

**Summary of  
Pesticide Use Report Data  
2004**  
*Indexed by Chemical*



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Questions regarding the Summary of Pesticide Use Report Data or information regarding the availability and cost of the computerized database should be directed to: Department of Pesticide Regulation, Pest Management and Licensing Branch, P.O. Box 4015, Sacramento, California 95812-4015. Telephone (916) 324-4100 or email questions to <llichtenberger@cdpr.ca.gov>.

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The 1989 - 2004 *Summary of Pesticide Use Report Data* indexed by chemical or commodity reports can be found on DPR's web at [www.cdpr.ca.gov](http://www.cdpr.ca.gov). The Annual Pesticide Use Report Data (the complete database of reported pesticide applications for 1990-2004) are available on CD ROM. The files are in text (comma delimited format).

The *Summary of Pesticide Use Report Data* is available in two formats. One report is indexed by chemical and lists the amount of each pesticide used, the commodity on which it was used, the number of agricultural applications, and the acres/units treated. The second report is indexed by commodity and lists the chemicals used, the number of agricultural applications, amount of pesticides used, and the acres/units treated.

Please use this form to order reports and enclose payment to the address below.

### California Pesticide Use Report Order Form

Item	Report	Quantity	Amount	Total
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## **I. INTRODUCTION**

### **DEVELOPMENT AND IMPLEMENTATION OF THE PESTICIDE USE REPORTING SYSTEM**

This 2004 *Summary of Pesticide Use Report Data* includes agricultural applications and other selected uses reported in California. The report represents a summary of the data gathered under full use reporting. The Department of Pesticide Regulation (DPR) uses the data to help estimate dietary risk and to ensure compliance with clean air laws as well as ground water protection regulations. Site-specific use report data, combined with geographic data on endangered species habitats, also helps county agricultural commissioners resolve potential pesticide use conflicts. Detailed, individual pesticide use report data may be obtained from DPR for in-depth, analytical purposes.

Under full use reporting, which began in 1990, California became the first state to require reporting of all agricultural pesticide use, including amounts applied and types of crops or places (e.g., structures, roadsides) treated. Commercial applications—including structural fumigation, pest control, and turf applications—must also be reported. The main exceptions to full use reporting are home and garden applications, and most industrial and institutional uses. Pesticide use reporting is explained in more detail below.

To enhance accuracy of the data, DPR contracts with the county agricultural commissioners in the state's 58 counties for the electronic submittal of their pesticide use data. To further improve the accuracy and timeliness of pesticide use data, DPR initiated the California Electronic Data Transfer System (CEDTS) in 1994. This system allows growers and pest control operators to electronically transfer application data to the agricultural commissioners' offices. Although response to CEDTS from pesticide users was favorable, adoption of the reporting system was slow. Many growers and pest control operators lack the time and expertise to write the software that pulls together the necessary pieces of information into a single pesticide use application database that meets DPR's standardized data requirements. In response, private software providers and others began introducing systems that allow use reporting via Internet Web sites in 1999. In addition, new programs are being developed to allow nonagricultural users of pesticides to file electronic reports. This continues to be an opportunity for additional streamlining.

### **TYPES OF PESTICIDE APPLICATIONS REPORTED**

Partial reporting of agricultural pesticide use has been in place in California since at least the 1950s. Beginning in 1970, anyone who used restricted materials was required to file a pesticide use report with the county agricultural commissioner. The criteria established to designate a pesticide as a restricted material include:

- hazard to public health
- farm workers
- domestic animals
- honeybees
- the environment
- wildlife
- other crops

Restricted materials, with certain exceptions, may be possessed or used only by, or under the supervision of, licensed or certified persons and only in accordance with an annual permit issued by a county agricultural commissioner.

In addition, the State required commercial pest control operators<sup>1</sup> to report all pesticides used, whether restricted or nonrestricted. These reports included information about the pesticide applied, when and where the application was made, and the crop involved if the application was in agriculture. The reports were entered into a computerized database and summarized by chemical and crop in annual reports.

With implementation of full use reporting in 1990, the following pesticide uses are required to be reported to the commissioner, who, in turn, reports the data to DPR:

- For the production of any agricultural commodity, except livestock.
- For the treatment of postharvest agricultural commodities.
- For landscape maintenance in parks, golf courses, and cemeteries.
- For roadside and railroad rights-of-way.
- For poultry and fish production.
- Any application of a restricted material.
- Any application of a pesticide with the potential to pollute ground water (listed in section 6800 (b) of the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1) when used outdoors in industrial and institutional settings.
- Any application by a licensed pest control operator.

The primary exceptions to the use reporting requirements are home and garden use and most industrial and institutional uses.

## **HOW PESTICIDE DATA ARE USED**

DPR undertook the expansion of use reporting primarily in response to concerns of many individuals and groups, including government officials, scientists, farmers, legislators, and public interest groups. It was generally acknowledged that the system for estimating dietary exposure to pesticide residues did not provide sufficient data on which to make realistic assessments; this often resulted in overestimates of risk. Farm worker representatives were also asking for more information to determine exposure and potential risk to those who handle pesticides or who work in treated fields.

There are several key areas in which data generated by full use reporting are proving beneficial.

### **Risk Assessment**

Without information on actual pesticide use, regulatory agencies conducting risk assessment assume all planted crop acreage is treated with many pesticides, even though most crops are treated with just a few chemicals. If the assumptions used by regulatory agencies are incorrect, regulators could make judgments on pesticide risks that are too cautious by several orders of magnitude, reducing the credibility of risk management decisions. The use report data, on the

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<sup>1</sup> Pest control operators include those in the business of applying pesticides such as agricultural applicators, structural fumigators, and professional gardeners.

other hand, provides actual use data so DPR can better assess risk and make more realistic risk management decisions.

After the passage of the federal Food Quality Protection Act (FQPA) in 1996, complete pesticide use data became even more important to commodity groups in California and to the U.S. Environmental Protection Agency (U.S. EPA). FQPA contains a new food safety standard against which all pesticide tolerances must be measured. The increased interest in the state's pesticide use data, especially for calculating percent crop treated, came at a time when DPR was increasing the efficiency with which it produced its annual report. DPR was able to provide up-to-date use data and summaries to commodity groups, University of California specialists, U.S. EPA programs, and other interested parties as they developed the necessary information for the reassessment of existing tolerances.

### **Worker Health and Safety**

Under the reporting regulations, pest control operators must give farmers a written notice after every pesticide application that includes the date and time the application was completed, and the reentry and preharvest intervals.<sup>2</sup> This notice gives the farmer accurate information to help keep workers from entering fields prematurely, and also lets the farmer know the earliest date a commodity can be harvested.

DPR's Worker Health and Safety Branch also uses the data for worker exposure assessment as part of developing an overall risk characterization document. Use data helps scientists estimate typical applications and how often pesticides are used.

### **Public Health**

The expanded reporting system provides DPR, the State Department of Health Services, and the Office of Environmental Health Hazards Assessment with complete pesticide use data for evaluating possible human illness clusters in epidemiological studies.

### **Endangered Species**

DPR works with the county agricultural commissioners to combine site-specific use report data with geographic information system-based data on locations of endangered species. The resulting database helps commissioners resolve potential conflicts over pesticide use where endangered species may occur. DPR and the commissioners can also examine patterns of pesticide use near habitats to determine the potential impact of proposed use limitations. With location-specific data on pesticide use, restrictions on use can be better designed to protect endangered species while still allowing necessary pest control.

### **Water Quality**

Since 1983, DPR has had a program to work with the rice industry and the Central Valley Regional Water Quality Control Board to reduce contamination of surface water by rice pesticides. Using PUR data to help in pinpointing specific agricultural practices, more precise alternative use recommendations can be made to assure protection of surface water.

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<sup>2</sup> A reentry interval is the time from which a pesticide application is made and when workers may enter a field. A preharvest interval is the time between an application and when a commodity can be harvested.

In 1985, the Pesticide Contamination Prevention Act of 1985 was passed, and it requires site-specific records to help track pesticide use in areas known to be susceptible to ground water contamination. Determinations can also be made from the records on whether a contaminated well is physically associated with agricultural practices. These records also provide data to help researchers determine why certain soil types are more prone to ground water contamination.

### **Air Quality**

Many pesticide products contain volatile organic compounds (VOCs) that contribute to the formation of smog. DPR worked with the state Air Resources Board to put together a State Implementation Plan under the federal Clean Air Act to reduce emissions of all sources of VOCs, including pesticides, in nonattainment areas of the state. DPR's contribution to the plan included accurate data on the amount of VOCs contained in pesticides and the ability to inventory the use of those pesticides through pesticide use reporting.

### **Pest Management**

The Department uses the PUR database to understand patterns and changes in pest management practices. This information can be used to determine possible alternatives to pesticides that are subject to regulatory actions and to help determine possible impacts of different regulatory actions on pest management.

The PUR is used to help meet the needs of FQPA, which requires pesticide use information for determining the appropriateness of pesticide residue tolerances. As part of this process many commodity groups have created crop profiles, which include information on the pest management practices and available options, both chemical and nonchemical. Pesticide use data is critical to developing these lists of practices and options.

The PUR data have been used to support and assess grant projects for a grant program conducted by DPR to develop, demonstrate and implement reduced-hazard pest management strategies from 1995 to 2003. Due to the statewide budget shortfall, funds are not currently available to offer grants. However, the PUR data is used in several projects that build on work conducted in our grant program in the almond and stonefruit industries. In these and other projects, the PUR data are used to address regional pesticide use patterns and environmental problems such as water and air quality. The data are also used to better understand current changes in pesticide use.

DPR has published general analyses of statewide pesticide use patterns and trends. The first analysis covered the years 1991 to 1995, and the second more detailed analysis covered 1991 to 1996. These analyses identified high-use pesticides, the crops to which those pesticides were applied, trends in use, and the pesticides most responsible for changes in use. In addition, since 1997, the annual Summary of Pesticide Use Report Data reports include summary trends of pesticides in several different categories such as carcinogens, reproductive toxins, and ground water contaminants.

### **Processor and Retailer Requirements**

Food processors, produce packers, and retailers often require farmers to submit a complete history of pesticide use on crops. DPR's use report form often satisfies this requirement.



## II. COMMENTS AND CLARIFICATIONS OF DATA

The following comments and points should be taken into consideration when analyzing data contained in this report:

### TERMINOLOGY

The following terminology is used in this report:

*Number of agricultural applications* – Number of applications of pesticide products made to production agriculture. More detailed information is given below under "Number of Applications."

*Pounds applied* – Number of pounds of an active ingredient.

*Unit type* – The amount listed in this column is one of the following:

A = Acreage

C = Cubic feet (of commodity treated)

K = Thousand cubic feet (of commodity treated)

P = Pounds (of commodity treated)

S = Square feet

T = Tons (of commodity treated)

U = Miscellaneous units (e.g., number of tractors, trees, bins, etc.)

### COMMODITY CODES

DPR's pesticide product label database is used to cross-check data entries to determine if the product reported used is registered on the reported commodity. The DPR label database uses a crop coding system based on crop names used by the U.S. EPA to prepare official label language. However, this system caused some problems until DPR modified it in the early 1990s to account for U.S. EPA's grouping of certain crops under generic names. Problems occurred when the label language in the database called a crop by one name, and the use report used another. For example, a grower may have reported a pesticide use on "almonds," but the actual label on the pesticide product--coded into the database--stated the pesticide was to be used on "nuts." To eliminate records being rejected as "errors" because the specific commodity listed on the use report is not on the label, DPR modified the database. To designate a commodity not specifically listed on the label as a correct use, a qualifier code is appended to the commodity code in the label database. A qualifier code would be attached to the "almond" code when nuts are only listed on the label. This system greatly reduces the number of rejections.

Plants and commodities grown in greenhouse and nursery operations represented a challenge in use reporting because of their diversity. Six commodity groupings were suggested by industry in 1990 and incorporate terminology that are generally known and accepted. The six use reporting categories are: greenhouse-grown cut flowers or greens; outdoor-grown cut flowers or greens; greenhouse-grown plants in containers; outdoor container/field-grown plants; greenhouse-grown transplants/propagative material; and outdoor-grown transplants/propagative material.

Tomatoes and grapes were also separated into two categories because of public and processor interest in differentiating pesticide use. Tomatoes are assigned two codes to differentiate between fresh market and processing categories. One code was assigned to table grapes, which includes grapes grown for fresh market, raisins, canning, or juicing. A second code was assigned to wine grapes.

## **UNREGISTERED USE**

The report contains entries that reflect the use of a pesticide on a commodity for which the pesticide is not currently registered. This sometimes occurs because the original use report was in error, that is, either the pesticide or the commodity was inaccurately reported. DPR's computer program checks that the commodity is listed on the label, but nonetheless such errors appear in the PUR, possibly because of errors in the label database. Also, the validation program does not check whether the pesticide product was registered at the time of application. For example, parathion (ethyl parathion) is shown reported on crops after most uses were suspended in 1992. (These records are researched and corrected as time and resources allow.) DPR continues to implement methods which identify and reduce these types of reporting errors in future reports. Other instances may occur because by law, growers are sometimes allowed to use stock they have on hand of a pesticide product that has been withdrawn from the market by the manufacturer or suspended or canceled by regulatory authorities.

Other reporting "errors" may occur when a pesticide is applied directly to a site to control a particular pest, but is not applied directly to the crop in the field. A grower may use an herbicide to treat weeds on the edge of a field, a fumigant on bare soil prior to planting, or a rodenticide to treat rodent burrows. For example, reporting the use of the herbicide glyphosate on tomatoes – when it was actually applied to bare soil prior to planting the tomatoes – could be perceived to be an error. Although technically incorrect, recording the data as if the application were made directly to the commodity provides valuable crop usage information for DPR's regulatory program.

## **ADJUVANTS**

Data on spray adjuvants (including emulsifiers, wetting agents, foam suppressants, and other efficacy enhancers), not reported prior to full use reporting, are now included. Examples of these types of chemicals include the "alkyls" and some petroleum distillates. (Adjuvants are exempt from federal registration requirements, but must be registered as pesticides in California.)

## **ZERO POUNDS APPLIED**

There are a few entries in this report in which the total pounds applied for certain active ingredients are displayed as zero. This is because the chemical (active ingredient) made up a very small percentage of the formulated product that was used. When these products are applied in extremely low quantities, the resulting value of the active ingredient is too low to register an amount.

## **ACRES TREATED**

The summary information in this annual report cannot be used to determine the total number of acres of a crop to which pesticides were applied during the year. Sometimes the product used contains more than one active ingredient. (In any pesticide product, the active ingredient is the component which kills, or otherwise controls, target pests. A pesticide product is made up of one or more active ingredients, as well as one or more inert ingredients.) For example, if a 20-acre field is treated with a product that contains three different pesticide active ingredients, a use report is filed by the farmer correctly recording the application of a single pesticide product to 20 acres. However, in the summary tables, the three different active ingredients will each have recorded 20 acres treated. Adding these values results in a total of 60 acres as being treated instead of the 20 acres actually treated. A similar problem occurs when the same field is treated more than once in the year with the same active ingredient.

## NUMBER OF APPLICATIONS

The values for number of applications include only production agricultural applications. Applicators are required to submit one of two basic types of use reports, a production agricultural report or a monthly summary report. The production agricultural report must include information for each application. The monthly summary report, for all uses other than production agriculture, includes only monthly totals for all applications of pesticide product, site or commodity, and applicator. The total number of applications in the monthly summary reports are not consistently given so they are no longer included in the totals. In the annual PUR reports before 1997, each monthly summary record was counted as one application.

In the annual summary report by commodity, the total number of applications given for each commodity may not equal the sum of all applications of each active ingredient on that commodity. As explained above, some pesticide products contain more than one active ingredient. If the number of applications were summed for each active ingredient in such a product, the total number of applications would be more than one, even though only one application of the product was made. The same logic applies to the annual summary report by chemical.

## OUTLIERS

In calculating the total pounds of pesticides used in these tables, DPR excluded values for rates of use which were so large they were probably in error. Errors occur, for example, when those reporting pesticide use shift decimal points during data entry. DPR specialists spent more than a year developing, testing, and implementing software to detect probable errors (outliers). Pesticide rates were considered outliers if (1) they were higher than 200 pounds of active ingredient per acre (or greater than 1,000 pounds per acre for fumigants); (2) they were 50 times larger than the median rate for all uses with the same pesticide product, crop treated, unit treated, and record type (that is, production agricultural or all other use); or (3) they were higher than a value determined by a neural network procedure that approximates what a group of 12 scientists believed were obvious outliers. Although these criteria removed less than one percent of the rate values in the PUR, some rates were so large that if included in the sums, they would have significantly affected total pounds applied of some pesticides. (The outliers are excluded from the total pounds in the summary reports but remain in the database.)

For the years 1991 to 1998, we determined whether or not a use rate was an outlier based on the distribution of rates for all applications on each crop and pesticide during the year of its application. Beginning with the 1999 PUR, we determined outliers in two stages. In the first stage, outliers were identified as data that came to DPR from the counties during the year but based on the distribution of rates from the previous year. This procedure allowed us to include outliers in the error reports sent back to the counties. In the second stage, the outlier program was run after all the current year data were received using the distribution of rates for that year. This procedure found additional outliers for new products and new uses. We currently use the two-stage procedure.

Beginning with the 1999 PUR data, values have been substituted where outliers were identified in the first phase. Nulls were substituted in numeric fields identified as outliers, and “???” were substituted in character fields identified as outliers. A median rate value for use on a commodity/product combination was substituted where a high rate per acre was the error. In addition, “Unknown” was substituted where the reported site code was invalid.

### **III. DATA SUMMARY**

This report is a summary of data submitted to DPR. Total pounds may change slightly due to ongoing error correction. The revised numbers will more accurately reflect the total pounds applied.

#### **PESTICIDE USE IN CALIFORNIA**

In 2004, there were 180, 272,161 pounds of pesticide active ingredients reported used in California. Annual use has varied from year to year since full use reporting was implemented in 1990. For example, reported pesticide use was 176 million pounds in 2003, 172 million pounds in 2002, 151 million pounds in 2001 (not all of Kern County PUR data was available), 188 million pounds in 2000, 203 million pounds in 1999, 214 million pounds in 1998, and 205 million pounds in 1997.

Such variances are, and will continue to be, a normal occurrence. These fluctuations can be attributed to a variety of factors, including changes in planted acreage, crop plantings, pest pressures, and weather conditions. For example, extremely heavy rains result in excessive weeds, thus more pesticides may be used; drought conditions may result in fewer planted acres, thus less pesticide may be used.

As in previous years, the greatest pesticide use occurred in California's San Joaquin Valley (Table 1). Four counties in this region had the highest use: Fresno, Kern, Tulare, and San Joaquin.

Table 2 breaks down the pounds of pesticide use by general use categories: production agriculture, post-harvest commodity fumigation, structural pest control, landscape maintenance, and all others.

#### **PESTICIDE SALES IN CALIFORNIA**

Reported pesticide applications are only a portion of the pesticides sold each year. Typically, about two-thirds of the pesticide active ingredients sold in a given year are not subject to use reporting. Examples of non-reported active ingredients are chlorine (used primarily for municipal water treatment) and home-use pesticide products.

The pounds of pesticide active ingredient sold in California in 2004 has not been finalized and is not currently available. There were 645 million pounds sold in 2003, 598 million pounds in 2002, 563 million pounds in 2001, 601 million pounds in 2000, 707 million pounds in 1999, 617 million pounds in 1998, and 645 million pounds in 1997. Prior years data are posted on DPR's web site at [www.cdpr.ca.gov](http://www.cdpr.ca.gov) under programs & services/mill assessment/report of pesticides sold in California.

In addition, it should be noted that the pounds of pesticides used and the number of applications are not necessarily accurate indicators of the extent of pesticide use or, conversely, the extent of use of reduced-risk pest management methods. For example, farmers may make a number of small-scale "spot" applications targeted at problem areas rather than one treatment of a large area. They may replace a more toxic pesticide used at one pound per acre with a less hazardous compound that must be applied at several pounds per acre. Either of these scenarios could

increase the number of applications or amount of pounds used without indicating an increased reliance on pesticides.

**Table 1.** Total pounds of pesticide active ingredients reported in each county and rank during 2003 and 2004.

County	2003 Pesticide Use		2004 Pesticide Use	
	Pounds Applied	Rank	Pounds Applied	Rank
Alameda	444,850	37	269,261	41
Alpine	184	58	109	58
Amador	101,889	45	117,736	43
Butte	3,062,292	17	2,962,210	18
Calaveras	57,827	49	92,203	45
Colusa	2,088,248	22	1,809,678	23
Contra Costa	991,115	30	556,561	36
Del Norte	371,176	38	369,627	39
El Dorado	103,487	44	105,982	44
Fresno	27,256,367	1	29,434,260	1
Glenn	2,284,461	21	2,399,082	20
Humboldt	106,514	43	86,266	46
Imperial	6,809,038	8	6,072,783	10
Inyo	51,129	50	27,579	51
Kern	22,905,081	2	23,882,466	2
Kings	5,233,435	11	5,903,039	11
Lake	786,874	32	704,033	32
Lassen	61,347	47	70,447	47
Los Angeles	4,070,598	12	3,674,348	13
Madera	8,614,993	6	8,512,876	6
Marin	59,156	48	56,552	49
Mariposa	16,185	53	24,557	52
Mendocino	1,475,689	27	1,162,903	28
Merced	6,839,552	7	7,707,805	7
Modoc	232,839	42	385,516	37
Mono	24,729	52	1,119	57
Monterey	9,329,416	5	9,114,603	5
Napa	1,934,856	24	2,236,410	21
Nevada	42,098	51	34,792	50
Orange	1,669,090	25	1,469,915	26
Placer	267,931	41	374,618	38
Plumas	14,447	54	11,931	53
Riverside	3,340,585	14	3,242,339	16
Sacramento	3,583,177	13	3,283,459	15
San Benito	743,723	34	624,510	33
San Bernardino	517,631	36	619,459	34
San Diego	2,491,139	20	2,108,419	22
San Francisco	12,085	55	10,794	54
San Joaquin	10,203,204	4	10,036,054	4
San Luis Obispo	2,032,697	23	1,712,208	25
San Mateo	273,273	40	223,683	42

**Table 1** (continued) Total pounds of pesticide active ingredients reported in each county and rank during 2003 and 2004.

Santa Barbara	3,331,881	15	4,109,252	12
Santa Clara	978,008	31	865,992	30
Santa Cruz	1,643,653	26	1,743,551	24
Shasta	293,445	39	294,416	40
Sierra	4,812	57	3,727	56
Siskiyou	750,180	33	837,675	31
Solano	1,089,607	29	1,025,269	29
Sonoma	2,892,958	18	3,058,405	17
Stanislaus	5,573,755	10	6,138,003	9
Sutter	3,305,776	16	3,624,764	14
Tehama	659,978	35	596,303	35
Trinity	6,917	56	10,223	55
Tulare	13,303,523	3	15,056,053	3
Tuolumne	72,189	46	69,071	48
Ventura	6,644,422	9	7,283,033	8
Yolo	2,644,303	19	2,665,655	19
Yuba	1,427,355	28	1,398,577	27
	<b>175,127,171</b>		<b>180,272,161</b>	

**Table 2.** Pounds of pesticide active ingredients, 1994 – 2004, by general use categories.

Year	Production Agriculture	Postharvest Fumigation	Structural Pest Control	Landscape Maintenance	All Others*	Total Pounds
1994	175,408,663	2,004,123	5,186,253	1,325,560	7,430,770	191,355,369
1995	187,577,922	3,770,169	4,839,368	1,382,563	7,563,928	205,133,950
1996	182,375,369	1,847,859	4,738,168	1,259,332	7,607,752	197,828,481
1997	189,796,122	1,608,996	5,184,905	1,231,788	6,957,905	204,779,717
1998	198,568,999	1,655,875	5,930,988	1,405,312	6,783,731	214,344,905
1999	185,457,062	2,019,542	5,673,321	1,403,635	7,858,041	202,411,602
2000	172,730,676	2,143,396	5,165,189	1,395,598	6,728,174	188,163,033
2001	138,842,868	1,446,359	4,923,647	1,290,542	6,214,977	152,718,393
2002	152,506,562	1,847,353	5,467,116	1,439,532	6,679,534	167,940,097
2003	158,729,003	1,821,455	5,143,281	1,946,478	7,487,648	175,127,865
2004	164,704,049	1,901,289	5,129,817	1,565,103	6,971,903	180,272,161

\* This category includes pesticide applications reported in the following general categories: pest control on rights-of-way; public health which includes mosquito abatement work; vertebrate pest control; fumigation of nonfood and nonfeed materials such as lumber, furniture, etc.; pesticide used in research; and regulatory pest control used in ongoing control and/eradication of pest infestations.

#### IV. TRENDS IN USE IN CERTAIN PESTICIDE CATEGORIES

Reported pesticide use in California in 2004 totaled 180 million pounds, an increase of 5.1 million pounds from 2003. Production agriculture, the major category of use subject to reporting requirements, accounted for most of the overall increase in use. Applications for production agriculture increased by 6.0 million pounds.

The active ingredients (AI) with the largest uses by pounds were sulfur, petroleum oils, metam-sodium, mineral oil, and 1,3-dichloropropene (1,3-D). Sulfur use increased by 783,000 pounds (1.5 percent) and was the most highly used non-adjuvant pesticide in 2004, both in pounds applied and acres treated. By pounds, sulfur accounted for 30 percent of all reported pesticide use. Sulfur is a natural fungicide favored by both conventional and organic farmers. Petroleum oil use decreased by 1.5 million pounds (-8.7 percent), metam sodium use decreased by 132,000 pounds (-0.9 percent), mineral oil use increased by 2.8 million pounds (44 percent), and 1,3-D use increased by 1.9 million pounds (28 percent).

Major crops or sites that showed an overall increase in pesticide pounds applied from 2003 to 2004 included almonds (2.8 million pounds increase), oranges (2.4 million pounds), processing tomatoes (0.6 million pounds), fresh tomatoes (0.5 million pounds), and outdoor nurseries in containers (0.4 million pounds). Major crops or sites with decreased pounds applied included carrots (0.5 million pounds decrease), walnuts (0.3 million pounds), public health (0.3 million pounds), lemons (0.3 million pounds), and pears (0.3 million pounds).

DPR data analyses have shown that pesticide use varies from year to year depending upon pest problems, weather, acreage and types of crops planted, economics, and other factors. Spring of 2004 was warm and dry so diseases of many crops were low; therefore fungicide use was less in 2004 than in 2003. Herbicide use increased partly because a wet winter promoted the growth of weeds. The hot dry summer was conducive to mite buildups, so miticide use increased. A dramatic increase occurred in the use of some newer, reduced-risk pesticides such as spinosad, acetamiprid, pyraclostrobin, methoxyfenozide, carfentrazone-ethyl, and boscalid. Field prices improved in 2004 for most of the 12 crops discussed in Section V of this report, entitled "Trends in Pesticide Use in Certain Commodities". This increase may have also been a contributor to use more pesticides to protect valuable crops.

Pesticide use is reported as the number of pounds of AI and the total number of acres treated. The data for pounds include both agricultural and nonagricultural applications; the data for acres treated are primarily agricultural applications. The number of acres treated means the cumulative number of acres treated; the acres treated in each application are summed even when the same field is sprayed more than once in a year. (For example, if one acre is treated three times in a season with an individual AI, it is counted as three acres treated in the tables and graphs in Sections IV and V of this report.)

In the past several years, the PUR Annual Reports have included tables of pesticide use in various pesticide categories, including reproductive toxins, carcinogens, organophosphates and carbamates, ground water contaminants, toxic air contaminants, oils, reduced-risk pesticides, and biopesticides. Use in about half of these pesticide categories increased and about half decreased from 2003 to 2004. However, most of the increase in pounds applied was due to increases in the fumigant 1,3-D and the herbicides diuron and simazine. Fumigants are applied at high rates, in part, because they treat a volume of space rather than a surface area such as the leaves and stems

of plants. Thus, the pounds applied are large even though the number of applications or number of acres treated may be relatively small. Herbicide use in general increased as mentioned above because of increased weed problems in 2004. If these three AIs were not included, then use would have decreased in all of the categories, excluding the low risk oils and reduced-risk AIs. Some of the major statistical changes from 2003 to 2004 include:

- Chemicals classified as reproductive toxins decreased in pounds applied from 2003 to 2004 (down 600,000 pounds or 2.5 percent) and decreased in cumulative acres treated (down 180,000 acres or 7.7 percent). The largest decrease in pounds was from the fumigant methyl bromide.
- The pounds of chemicals classified as carcinogens increased (up 1.1 million pounds or 3.8 percent), but acres treated decreased (down 160,000 acres or 4.1 percent). The increase in pounds was mainly due to increase in use of the fumigant 1,3-D, one of several alternatives to methyl bromide. However, diuron had the largest increase in acres treated. Use of most other AIs classified as carcinogens decreased.
- Use of insecticide organophosphate and carbamate chemicals, which includes compounds of high regulatory concern, continued to decline as they have for nearly every year since 1995. Use decreased by 130,000 pounds (1.6 percent) and by 360,000 acres treated (5.7 percent). Although most organophosphate and carbamate AIs decreased, pounds of phosmet and chlorpyrifos increased, and acres treated with phosmet increased. Interestingly, acres treated with chlorpyrifos decreased more than nearly all other organophosphates and carbamates. The reason for this difference with chlorpyrifos is that use increased dramatically on oranges, where chlorpyrifos rate of use was about 3 pounds/acre and decreased on alfalfa, where rate of use was about 0.5 pounds/acres
- Use of chemicals categorized as ground water contaminants increased from 2003 to 2004. Use by pounds increased 81,000 pounds applied (3.6 percent), and cumulative acres treated increased by about 170,000 acres (11 percent). Nearly all of the increase was due to diuron and simazine.
- Chemicals categorized as toxic air contaminants, another regulatory concern, increased by 1.0 million pounds applied (2.7 percent) but decreased by 250,000 cumulative acres treated (7.1 percent). Most of the increase in pounds was due to increases in 1,3-D.
- Pounds of reduced-risk pesticides decreased by 32,000 pounds applied (2.9 percent) but increased by 130,000 acres treated (2.2 percent). The biggest increases (with both pounds and acres treated) were in use of methoxyfenozide, pyraclostrobin, and boscalid. The biggest decreases were in use of tebufenozide and indoxacarb.
- Biopesticide use decreased, especially by pounds applied. Use decreased by 340,000 pounds (33 percent) and by 150,000 acres treated (6.6 percent). By far, most of the decrease in pounds was due to liquefied nitrogen used in structural applications and potassium bicarbonate; most of the decrease in acres treated was due to *Bacillus thuringiensis*.

Since 1992, the reported pounds of pesticides applied have fluctuated from year to year. An increase or decrease in use from one year to the next or in the span of a few years does not



necessarily indicate a general trend in use; it simply may reflect normal variations. Short periods of time (three to five years) may suggest trends, such as the increased pesticide use from 2001 to 2004 or the decreased use from 1998 to 2001. However, statistical analyses from 1992 to 2004 do not indicate a significant trend of either increase or decrease in pesticide use.

To improve data quality when calculating the total pounds of pesticides, DPR excluded values that were so large they were probably in error. The procedure to exclude probable errors involved the development of complex error-checking algorithms, a data improvement process that is ongoing.

Over-reporting errors have a much greater impact on the numerical accuracy of the database than under-reporting errors. For example, if a field is treated with 100 pounds of a pesticide AI and the application is erroneously recorded as 100,000 pounds (a decimal point shift of three places to the right), an error of 99,900 pounds is introduced into the database. If the same degree of error is made in shifting the decimal point to the left, the application is recorded as 0.1 pound, and an error of 99.9 pounds is entered into the database.

To provide an overview, pesticide use is summarized for eight different categories from 1994 to 2004 (Tables 3–10 and Figures 1–8). These categories classify pesticides according to certain characteristics such as reproductive toxins, carcinogens, or reduced-risk characteristics.

The statistical summaries detailed in these categories are not intended to serve as indicators of pesticide risks to the public or the environment. Rather, the data supports DPR regulatory functions to enhance public safety and environmental protection. (See “How Pesticide Data are Used” on page 2.) The different pesticide categories, described more fully, are:

1. Pesticides listed on the State's Proposition 65 list of chemicals "known to cause reproductive toxicity".
2. Pesticides listed by U.S. EPA as B2 carcinogens or on the State's Proposition 65 list of chemicals "known to cause cancer".
3. Pesticides that are cholinesterase inhibitors, that is, organophosphate and carbamate chemicals.
4. Pesticides on the “a” part of DPR's groundwater protection list (section 6800 (a) of the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1).
5. Pesticides from DPR's toxic air contaminants list (California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, section 6860).
6. Oil pesticides, which may include some chemicals on the State's Proposition 65 list of chemicals “known to cause cancer” but which also serve as alternatives to high-toxicity pesticides.
7. AIs contained in pesticide products that have been given reduced-risk status by U.S. EPA.
8. Biopesticides, which include microorganisms and naturally occurring compounds, or compounds essentially identical to naturally occurring compounds that are not toxic to the target pest (such as pheromones).

**USE TRENDS OF PESTICIDES ON THE STATE'S PROPOSITION 65 LIST OF CHEMICALS THAT ARE "KNOWN TO CAUSE REPRODUCTIVE TOXICITY"**

**Table 3A.** *The reported pounds of pesticides used which are on the State's Proposition 65 list of chemicals that are "known to cause reproductive toxicity." Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.*

<b>AI</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
1080	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-DB ACID	0	0	0	1,697	6,932	12,397	11,453	16,954	9,393	6,408	4,789
AMITRAZ	70,363	75,018	55,459	66,439	13,563	7,558	8,087	263	154	115	0
ARSENIC PENTOXIDE	86,445	83,814	205,089	64,372	50,899	245,238	91,267	259,386	194,650	165,709	12,705
ARSENIC TRIOXIDE	<1	<1	<1	<1	1	1	<1	<1	<1	<1	<1
BENOMYL	141,586	189,943	148,433	114,406	227,690	133,109	118,601	76,739	28,978	7,094	2,209
BROMACIL, LITHIUM SALT	11,085	6,517	17,381	9,141	4,686	4,162	4,478	3,217	4,016	3,025	1,801
BROMOXYNIL OCTANOATE	127,154	119,407	148,480	115,368	120,877	120,338	116,125	78,484	72,759	76,927	50,223
CHLORSULFURON	1,228	1,485	1,623	2,218	3,046	1,445	2,590	1,203	2,190	8,690	9,978
CYANAZINE	532,688	641,057	566,632	470,838	277,313	180,487	50,468	17,250	7,178	37	8
CYCLOATE	51,035	49,138	44,628	55,459	62,753	49,096	37,408	31,785	34,347	30,080	42,563
DICLOFOR-METHYL	38,276	16,540	79,874	41,130	24,783	18,710	21,696	11,765	5,058	9,309	5,988
EPTC	765,576	660,185	703,996	579,245	393,031	448,883	323,254	276,782	253,887	141,756	182,245
ETHYLENE OXIDE	3	0	0	0	31	2	6	3	0	0	0
FENOXAPROP-ETHYL	5,023	3,731	3,974	3,895	1,504	2,048	979	366	106	53	64
FLUAZIFOP-BUTYL	2,375	2,148	823	2,028	1,211	516	205	149	166	31	34
HYDRAMETHYLNON	227	807	1,741	5,456	3,183	2,267	2,495	2,381	2,741	2,024	1,896
LINURON	79,950	84,937	84,335	84,621	82,170	78,046	65,511	58,173	61,994	60,128	69,289
METAM-SODIUM	11,122,361	14,975,528	15,253,924	14,969,732	13,729,306	16,774,246	13,218,764	12,545,403	15,137,719	14,815,687	14,683,308
METHYL BROMIDE	16,607,324	17,165,964	16,022,069	15,663,832	13,569,875	15,300,388	10,869,241	6,618,631	6,550,818	7,384,398	7,089,862
METIRAM	0	0	0	0	<1	0	0	2	0	1	5
MYCLOBUTANIL	69,941	85,525	89,087	94,375	129,773	94,626	96,175	83,995	76,655	83,465	70,896
NABAM	8	1	0	0	50	2	1	8	0	0	10,693
NICOTINE	457	228	298	258	83	93	21	17	2	2	4
NITRAPYRIN	150	639	114	49	407	150	192	16	89	117	12
OXADIAZON	20,488	21,458	25,260	23,196	21,959	19,399	18,256	15,905	16,692	12,550	12,980

**Table 3A (cont.).** *The reported pounds of pesticides used which are on the State’s Proposition 65 list of chemicals that are “known to cause reproductive toxicity.”*

<b>AI</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
OXYDEMETON-METHYL	111,347	120,101	106,612	115,781	89,789	122,912	110,797	99,756	96,357	93,789	102,554
OXYTHIOQUINOX	4,474	7,172	6,204	2,709	1,576	2,705	411	149	117	34	27
POTASSIUM DIMETHYL DITHIO CARBAMATE	47	0	0	15	24,795	0	0	0	23	28	293
PROPARGITE	1,742,736	1,770,065	1,743,278	1,816,028	1,385,327	1,504,268	1,331,979	1,159,792	972,371	1,054,607	1,010,872
RESMETHRIN	1,069	856	661	594	796	632	712	542	661	1,561	245
SODIUM DIMETHYL DITHIO CARBAMATE	337	1	0	0	8,279	355	1,315	173	0	0	10,693
STREPTOMYCIN SULFATE	6,165	9,619	9,494	9,605	14,950	9,406	10,820	7,554	5,990	8,588	4,702
TAU-FLUVALINATE	4,723	3,787	4,137	3,040	2,827	3,315	2,251	2,228	2,184	1,630	1,581
THIOPHANATE-METHYL	100,890	116,746	122,862	88,640	65,169	76,040	67,779	66,953	71,468	125,925	119,008
TRIADIMEFON	24,147	20,692	17,370	12,204	12,919	4,846	3,114	2,840	1,736	1,770	2,110
TRIBUTYL TIN METHACRYLATE	1,734	278	185	60	113	270	107	106	39	0	0
TRIFORINE	32,574	39,729	24,877	6,562	2,752	519	365	99	78	88	294
VINCLOZOLIN	33,661	48,270	60,286	46,908	54,719	52,731	35,658	32,208	22,164	18,568	14,863
WARFARIN	<1	<1	1	1	1	1	1	1	1	3	3
<b>TOTAL</b>	<b>31,797,646</b>	<b>36,321,386</b>	<b>35,549,186</b>	<b>34,469,905</b>	<b>30,389,140</b>	<b>35,271,206</b>	<b>26,622,586</b>	<b>21,471,277</b>	<b>23,632,778</b>	<b>24,114,197</b>	<b>23,518,798</b>

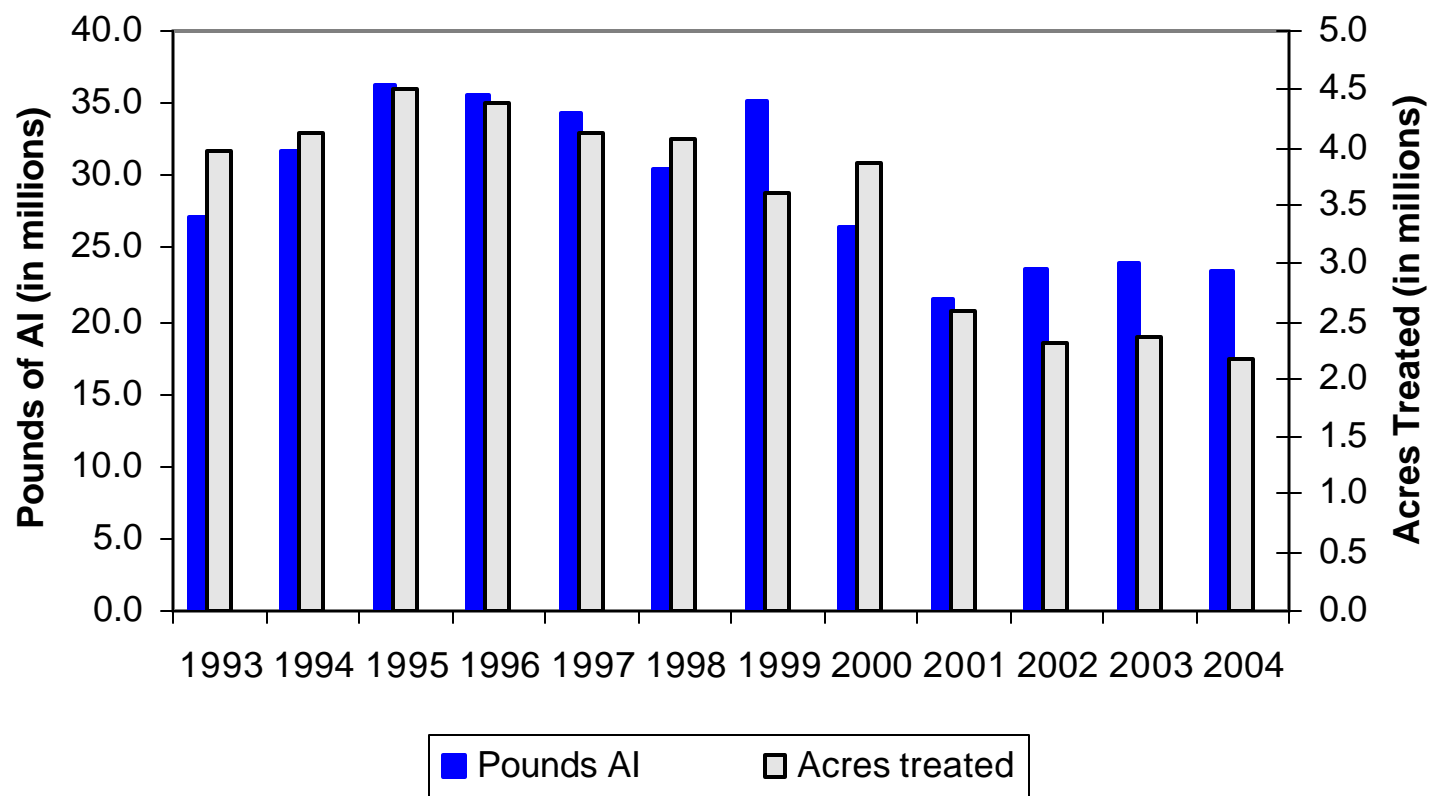
**Table 3B.** The reported cumulative acres treated with pesticides that are on the State’s Proposition 65 list of chemicals “known to cause reproductive toxicity.” Use includes primarily agricultural applications. The grand total for acres treated may be less than the sum of acres treated for all active ingredients because some products contain more than one active ingredient. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1080	53	32	25	0	0	0	42	30	301	50	0
2,4-DB ACID	0	0	0	2,599	12,167	20,063	19,496	25,843	15,584	10,384	8,873
AMITRAZ	137,434	174,867	129,857	161,651	28,945	14,684	16,011	1,269	605	379	0
ARSENIC PENTOXIDE	660	0	0	0	0	0	709,893	56	0	0	48
ARSENIC TRIOXIDE	0	0	0	0	0	0	0	0	1	<1	0
BENOMYL	271,289	360,931	310,563	245,687	434,725	242,796	217,611	135,929	47,771	13,360	3,983
BROMACIL, LITHIUM SALT	0	0	0	0	40	40	30	0	0	0	0
BROMOXYNIL OCTANOATE	245,715	224,276	277,062	224,250	240,997	257,417	313,362	251,527	238,713	218,285	162,572
CHLORS ULFURON	39,962	39,584	54,360	27,628	39,873	30,691	34,528	29,079	18,836	25,830	25,929
CYANAZINE	284,812	365,520	325,627	288,087	185,082	129,547	56,059	19,708	8,763	25	5
CYCLOATE	22,571	20,685	19,597	25,986	29,761	24,555	18,487	15,918	17,213	16,721	20,695
DICLOFOP-METHYL	47,273	19,314	89,276	47,217	28,296	21,442	24,470	14,198	6,259	11,257	7,391
EPTC	273,441	241,587	232,820	208,093	141,511	148,685	107,613	99,953	94,240	56,639	64,049
ETHYLENE OXIDE	0	0	0	0	194	31	41	0	0	0	0
FENOXAPROP-ETHYL	33,712	24,153	25,540	24,439	10,480	13,824	8,847	3,820	1,327	839	1,681
FLUAZIFOP-BUTYL	3,824	2,225	1,513	1,537	3,908	806	137	144	98	0	<1
HYDRAMETHYLNON	0	3	36	35	289	1,615	3,648	2,762	2,148	1,978	1,314
LINURON	97,887	105,284	104,772	110,067	112,122	111,009	86,317	81,801	86,914	85,427	95,565
METAM-SODIUM	183,625	199,457	215,899	198,395	154,309	186,300	146,847	125,263	141,357	142,396	128,427
METHYL BROMIDE	106,694	107,933	96,507	103,068	90,107	102,125	75,741	60,892	53,100	55,251	57,175
METIRAM	0	0	0	0	<1	0	0	7	0	<1	2
MYCLOBUTANIL	692,036	841,178	814,268	866,360	1,225,372	887,981	842,639	737,643	704,231	741,930	655,947
NABAM	0	0	0	0	55	20	0	60	0	0	0
NICOTINE	382	237	167	128	57	36	14	31	1	0	2
NITRAPYRIN	261	1,493	147	105	851	329	276	0	169	258	42
OXADIAZON	1,812	2,400	2,213	1,832	1,933	3,407	2,656	2,637	1,838	1,904	3,121
OXYDEMETON-METHYL	226,433	253,868	220,824	244,056	186,964	253,281	225,984	200,171	193,441	189,047	206,746
OXYTHIOQUINOX	6,410	10,000	8,768	5,896	5,306	2,152	817	250	182	71	137

**Table 3B (cont.).** *The reported cumulative acres treated with pesticides that are on the State’s Proposition 65 list of chemicals “known to cause reproductive toxicity.”*

<b>AI</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
POTASSIUM DIMETHYL DITHIO CARBAMATE	6	0	0	0	0	0	0	0	2	6	0
PROPARGITE	1,030,485	1,052,358	980,963	989,265	756,098	795,410	704,529	606,737	524,421	558,006	543,728
RESMETHRIN	419	222	144	182	160	84,044	33	35	32	66	209
SODIUM DIMETHYL DITHIO CARBAMATE	0	0	0	0	253	20	0	60	0	0	0
STREPTOMYCIN SULFATE	58,703	84,111	84,999	89,336	131,936	76,414	97,019	62,184	52,180	63,444	37,461
TAU-FLUVALINATE	26,578	19,771	22,156	18,387	14,075	17,343	10,101	10,893	9,024	7,937	7,312
THIOPHANATE-METHYL	86,803	101,694	128,267	89,556	63,842	81,428	68,422	53,990	64,324	121,294	112,500
TRIADIMEFON	132,295	118,746	100,142	59,229	79,968	25,719	11,855	9,501	6,747	7,625	6,751
TRIBUTYL TIN METHACRYLATE	13	<1	1	<1	1	1	1	<1	0	0	0
TRIFORINE	64,069	76,411	53,589	17,455	6,352	1,279	751	244	203	196	61
VINCLOZOLIN	49,519	66,672	82,968	67,373	69,067	63,931	43,629	38,570	27,786	21,682	18,207
WARFARIN	192	151	541	382	310	99	556	101	449	632	1,504
<b>TOTAL</b>	<b>4,125,368</b>	<b>4,515,163</b>	<b>4,383,613</b>	<b>4,118,283</b>	<b>4,055,351</b>	<b>3,598,505</b>	<b>3,848,461</b>	<b>2,591,245</b>	<b>2,318,261</b>	<b>2,352,919</b>	<b>2,171,437</b>

**Figure 1.** Use trends of pesticides that are on the State’s Proposition 65 list of chemicals that are “known to cause reproductive toxicity.” Reported pounds of active ingredient (AI) applied include both agricultural and non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation’s Pesticide Use Reports.



**USE TRENDS OF PESTICIDES LISTED BY U.S. EPA AS CARCINOGENS OR BY THE STATE AS “KNOWN TO CAUSE CANCER”**

**Table 4A.** *The reported pounds of pesticides used that are listed by U.S. EPA as B2 carcinogens or that are on the State’s Proposition 65 list of chemicals “known to cause cancer.” Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation’s Pesticide Use Reports.*

<b>AI</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
1,3-DICHLOROPROPENE	2,122	409,821	1,956,846	2,400,930	2,911,385	3,122,723	4,442,193	4,135,462	5,359,193	7,009,034	8,945,145
ACIFLUORFEN, SODIUM SALT	1	6	11	29	<1	10	<1	1	3	<1	18
ALACHLOR	42,854	41,119	45,733	51,259	46,264	29,789	36,468	29,431	28,666	24,913	27,229
ARSENIC ACID	27,571	37,206	53,777	59,835	52,558	48,029	11,906	12,023	4,976	318	223
ARSENIC PENTOXIDE	86,445	83,814	205,089	64,372	50,899	245,238	91,267	259,386	194,650	165,709	12,705
ARSENIC TRIOXIDE	<1	<1	<1	<1	1	1	<1	<1	<1	<1	<1
CACODYLIC ACID	43,685	43,275	31,417	26,060	17,379	15,930	16,093	3,983	1,795	207	115
CAPTAN	608,658	734,314	918,588	799,878	1,559,136	965,922	642,757	399,263	392,205	499,973	370,418
CHLOROTHALONIL	832,288	1,125,790	1,053,319	779,328	1,181,163	753,840	680,735	522,212	605,016	712,761	571,428
CHROMIC ACID	120,822	117,092	286,521	89,931	71,109	343,543	128,642	363,205	272,300	232,064	17,753
CREOSOTE	871,469	444,461	491,044	259,086	1,752	4,873	9,879	4,700	9,018	3,384	1,092
DAMINOZIDE	6,775	6,763	7,944	11,028	10,306	9,411	9,138	11,323	10,048	10,156	9,582
DDVP	4,798	6,063	13,097	13,636	13,998	12,325	12,718	12,837	8,524	3,437	3,807
DIOCTYL PHTHALATE	83	<1	1	1	318	1,076	595	640	604	521	397
DIPROPYL											
ISOCINCHOMERONATE	2	1	3	<1	<1	0	<1	1	0	1	<1
DIURON	1,234,507	1,054,409	1,265,426	1,228,114	1,504,268	1,188,640	1,343,727	1,107,421	1,303,108	1,343,596	1,397,638
ETHOPROP	51,270	51,104	27,955	23,842	27,949	26,196	16,119	19,046	16,531	28,419	23,130
ETHYLENE OXIDE	3	0	0	0	31	2	6	3	0	0	0
FENOXYCARB	1,492	1,673	712	65	552	71	88	86	53	32	34
FOLPET	3	2	<1	<1	<1	<1	<1	0	2	<1	0
FORMALDEHYDE	11,864	153,519	334,548	403,824	305,297	111,714	55,300	28,612	14,035	18,690	111,151
IPRODIONE	431,318	564,127	520,763	424,338	572,287	411,548	422,179	305,629	247,365	287,631	261,039
LINDANE	5,281	4,507	4,576	5,388	6,293	4,842	4,738	2,388	1,633	908	775
MANCOZEB	464,924	659,240	567,866	526,364	987,270	630,968	611,498	430,604	396,672	538,033	379,299
MANEB	912,903	1,257,122	1,328,318	1,081,124	1,596,876	1,045,567	1,203,483	817,059	851,643	1,026,685	953,782
METAM-SODIUM	11,122,361	14,975,528	15,253,924	14,969,732	13,729,306	16,774,246	13,218,764	12,545,403	15,137,719	14,815,687	14,683,308
METIRAM	0	0	0	0	<1	0	0	2	0	1	5
ORTHO-PHENYLPHENOL	11,027	14,892	10,349	15,962	11,248	8,600	8,516	4,016	15,205	5,141	21,740

**Table 4A (cont.).** *The reported pounds of pesticides used that are listed by U.S. EPA as B2 carcinogens or that are on the State’s Proposition 65 list of chemicals “known to cause cancer.”*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ORTHO-PHENYLPHENOL, SODIUM SALT	46,825	30,830	33,539	25,389	32,315	29,019	31,681	27,071	25,249	20,857	5,898
OXADIAZON	20,488	21,458	25,260	23,196	21,959	19,399	18,256	15,905	16,692	12,550	12,980
OXYTHIOQUINOX	4,474	7,172	6,204	2,709	1,576	2,705	411	149	117	34	27
PARA-DICHLOROBENZENE	3	2	4	3	219	86	4	11	1	25	10
PENTACHLOROPHENOL	40	3	3	8	33	92	466	14	17	3	2
POTASSIUM DICHROMATE	596	380	41	50	103	319	554	1	<1	11	74
PROPARGITE	1,742,736	1,770,065	1,743,278	1,816,028	1,385,327	1,504,268	1,331,979	1,159,792	972,371	1,054,607	1,010,872
PROPOXUR	2,667	3,296	1,341	1,760	1,604	1,735	2,141	611	449	304	223
PROPYLENE OXIDE	41,815	131,593	224,495	198,559	198,595	172,556	118,381	99,727	99,674	99,396	151,484
PROPYZAMIDE	111,797	113,761	106,811	99,292	104,292	104,484	103,705	108,987	107,531	104,375	119,035
SODIUM DICHROMATE	0	0	180,478	182,185	122,647	32,699	122	329	633	217	0
THIODICARB	0	13,679	122,927	156,002	114,785	60,453	36,844	9,360	5,194	8,392	2,236
VINCLOZOLIN	33,661	48,270	60,286	46,908	54,719	52,731	35,658	32,208	22,164	18,568	14,863
TOTAL	18,899,632	23,926,358	26,882,493	25,786,216	26,695,819	27,735,648	24,647,014	22,468,903	26,121,055	28,046,644	29,109,519



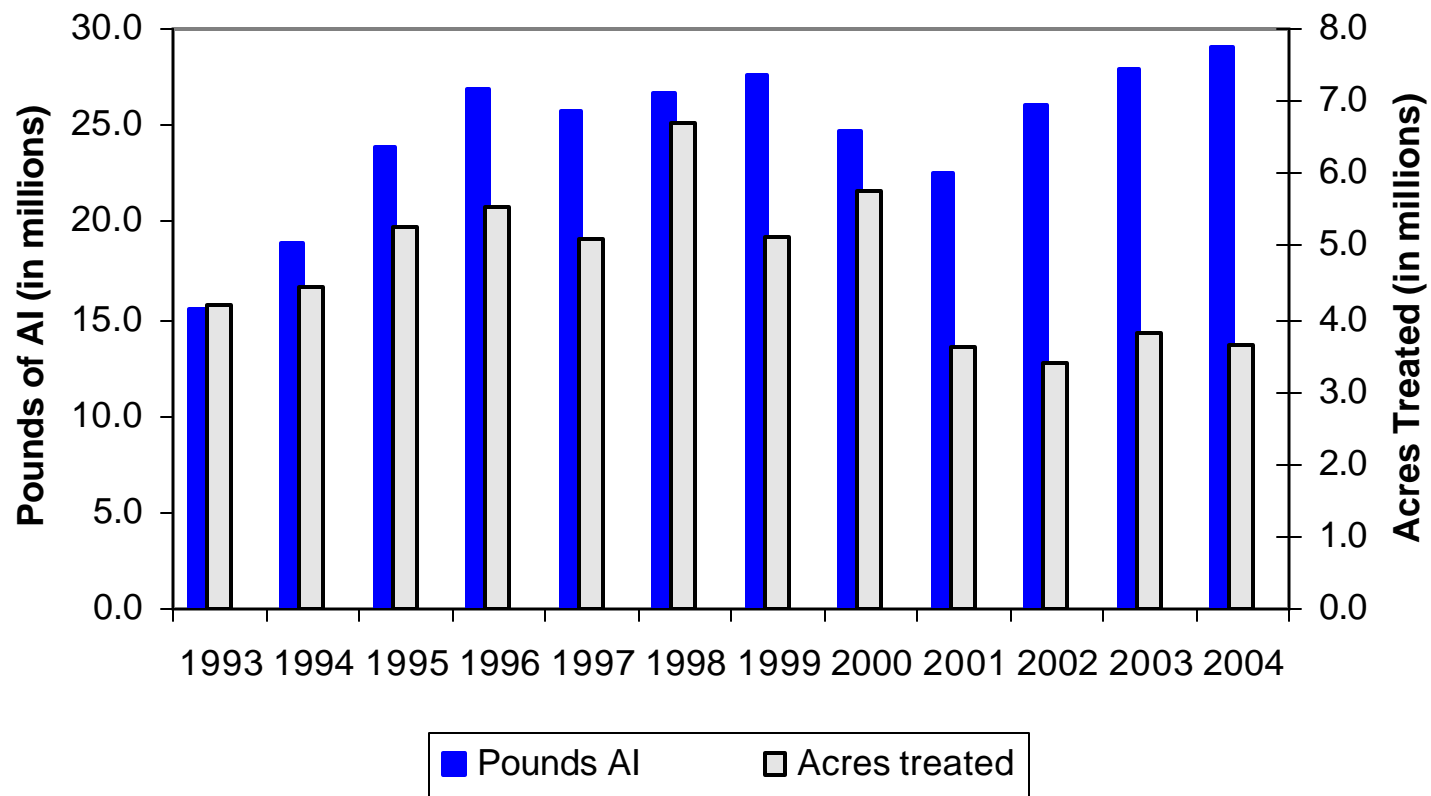
**Table 4B.** The reported cumulative acres treated with pesticides listed by U.S. EPA as B2 carcinogens or on the State's Proposition 65 list of chemicals "known to cause cancer." Use includes primarily agricultural applications. The grand total for acres treated is less than the sum of acres treated for all active ingredients because some products contain more than one active ingredient. Data are from the Department of Pesticide Regulation's Pesticide Use.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1,3-DICHLOROPROPENE	33	4,174	17,223	22,193	27,059	29,430	33,101	30,817	42,064	48,944	56,618
ACIFLUORFEN, SODIUM SALT	2	8	<1	0	0	0	0	0	11	0	3
ALACHLOR	16,135	15,359	18,181	19,059	16,430	11,008	13,302	11,453	14,467	10,004	9,888
ARSENIC ACID	0	0	0	0	0	0	0	0	0	0	0
ARSENIC PENTOXIDE	660	0	0	0	0	0	709,893	56	0	0	48
ARSENIC TRIOXIDE	0	0	0	0	0	0	0	0	1	<1	0
CACODYLIC ACID	304,060	315,336	251,414	192,816	126,912	111,607	117,656	31,283	12,648	757	100
CAPTAN	244,164	295,860	381,989	347,631	602,684	404,731	309,768	215,969	213,438	271,140	211,028
CHLOROTHALONIL	517,357	674,126	674,086	492,219	796,672	456,007	428,109	312,726	347,725	361,250	331,650
CHROMIC ACID	660	0	0	0	0	0	709,893	56	0	0	0
CREOSOTE	0	0	0	0	126	11	45	1	0	0	56
DAMINOZIDE	2,692	2,659	2,653	3,512	4,510	3,107	3,416	6,146	5,319	3,103	2,664
DDVP	1,888	1,887	1,499	2,596	3,692	2,180	2,336	3,954	4,327	2,576	1,637
DIOCTYL PHTHALATE	1,060	0	55	14	6,250	24,270	11,195	10,776	6,649	3,880	6,249
DIPROPYL ISOCINCHOMERONATE	50	10	0	0	0	0	5	0	0	0	0
DIURON	454,829	507,279	685,352	819,993	865,246	849,482	864,334	788,559	796,903	843,154	971,384
ETHOPROP	5,767	5,470	3,139	3,213	3,784	3,610	3,477	3,542	4,152	6,078	4,917
ETHYLENE OXIDE	0	0	0	0	194	31	41	0	0	0	0
FENOXYCARB	5	11	5	<1	210	3,707	3,388	3,241	1,242	811	1,011
FOLPET	<1	0	1	2	0	0	0	0	0	0	0
FORMALDEHYDE	15	137	234	12	126	123	47	53	33	18	23
IPRODIONE	656,402	886,077	804,311	666,336	1,348,367	933,982	1,194,377	501,033	364,770	445,383	409,092
LINDANE	22,984	19,380	25,352	36,573	32,650	20,930	14,628	13,832	8,010	8,828	9,437
MANCOZEB	273,836	405,494	351,801	284,134	682,979	387,300	363,260	228,275	197,055	276,096	194,219
MANEB	512,009	652,122	731,079	624,123	942,083	629,897	611,717	535,105	554,787	659,893	601,360
METAM-SODIUM	183,625	199,457	215,899	198,395	154,309	186,300	146,847	125,263	141,357	142,396	128,427
METIRAM	0	0	0	0	<1	0	0	7	0	<1	2

**Table 4B** (cont.). The reported cumulative acres treated with pesticides listed by U.S. EPA as B2 carcinogens or on the State's Proposition 65 list of chemicals "known to cause cancer."

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ORTHO-PHENYLPHENOL	4	8	67	75	645	583	321	59	82	726	272
ORTHO-PHENYLPHENOL, SODIUM SALT	88	47	652	0	20	6,234	18,599	60	40	9	0
OXADIAZON	1,812	2,400	2,213	1,832	1,933	3,407	2,656	2,637	1,838	1,904	3,121
OXYTHIOQUINOX	6,410	10,000	8,768	5,896	5,306	2,152	817	250	182	71	137
PARA-DICHLOROBENZENE	0	0	0	0	10	0	0	0	0	0	0
PENTACHLOROPHENOL	2	<1	15	4	190	0	59	38	0	0	20
POTASSIUM DICHROMATE	0	0	0	0	40	71	40	0	20	0	56
PROPARGITE	1,030,485	1,052,358	980,963	989,265	756,098	795,410	704,529	606,737	524,421	558,006	543,728
PROPOXUR	14	5	9	73	45	39	26	4	23	1	7
PROPYLENE OXIDE	0	0	0	<1	0	573	0	0	<1	0	22
PROPYZAMIDE	157,829	155,773	150,791	140,791	144,864	142,194	137,337	145,325	140,680	132,819	147,600
SODIUM DICHROMATE	0	0	0	0	0	0	0	0	0	0	0
THIODICARB	0	22,785	176,788	223,154	155,440	83,796	50,604	13,382	8,256	12,113	3,684
VINCLOZOLIN	49,519	66,672	82,968	67,373	69,067	63,931	43,629	38,570	27,786	21,682	18,207
TOTAL	4,424,181	5,278,330	5,545,337	5,108,872	6,725,624	5,142,621	5,776,617	3,616,556	3,410,894	3,802,876	3,647,211

**Figure 2.** Use trends of pesticides that are listed by U.S. EPA as B2 carcinogens or that are on the State's Proposition 65 list of chemicals "known to cause cancer." Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



# USE TRENDS OF CHOLINESTERASE-INHIBITING PESTICIDES

**Table 5A.** The reported pounds of cholinesterase-inhibiting pesticides used. These pesticides are the currently registered organophosphate and carbamate active ingredients. Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
3-iodo-2-propynyl butylcarbamate	0	0	<1	0	1	<1	<1	<1	0	0	0
acephate	371,862	458,012	355,350	343,840	384,091	307,272	283,355	240,191	217,383	223,749	204,816
aldicarb	225,973	354,500	545,117	530,066	534,665	280,755	329,431	297,882	244,786	262,103	231,012
azinphos-methyl	418,935	406,230	406,099	336,353	193,069	216,624	185,055	159,786	153,200	213,863	50,562
bendiocarb	4,431	1,526	1,674	259	125	108	593	62	32	23	9
bensulide	64,796	69,271	94,587	129,784	192,136	242,460	217,150	189,216	194,687	229,016	236,814
butylate	108,686	67,179	87,612	84,268	69,805	71,071	31,732	27,640	19,412	26,826	20,323
carbaryl	820,787	835,811	809,794	753,801	426,893	387,145	365,174	287,802	256,057	205,080	240,071
carbofuran	278,108	242,999	220,622	183,321	161,588	138,665	132,427	95,863	81,486	49,275	30,354
chlorpropham	3,000	3,230	3,015	2,057	2,321	3,102	3,544	3,504	1,380	6,191	2,861
chlorpyrifos	2,887,838	3,385,416	2,687,809	3,152,564	2,355,626	2,257,936	2,093,400	1,674,120	1,419,332	1,546,481	1,775,828
coumaphos	0	0	0	0	0	15	152	97	62	64	63
cycloate	51,035	49,138	44,628	55,459	62,753	49,096	37,408	31,785	34,347	30,080	42,563
ddvp	4,798	6,063	13,097	13,636	13,998	12,325	12,718	12,837	8,524	3,437	3,807
demeton	1,238	775	411	0	3	5	2	3	42	<1	0
desmedipham	8,588	8,465	6,092	6,188	4,737	6,014	6,703	3,750	3,398	3,636	3,747
diazinon	1,358,358	1,216,935	1,093,121	955,108	900,596	979,458	1,057,845	1,001,294	690,590	523,786	492,050
dicrotophos	1	113	3	0	11	122	0	2	27	41	0
dimethoate	671,948	583,498	419,807	515,798	397,847	485,274	397,223	284,751	310,422	294,928	332,043
disulfoton	134,600	95,972	142,372	128,335	105,327	95,919	76,164	51,545	54,567	46,996	41,211
eptc	765,576	660,185	703,996	579,245	393,031	448,883	323,254	276,782	253,887	141,756	182,245
ethephon	848,134	982,776	951,415	882,802	762,217	734,263	734,810	620,075	538,449	574,371	637,205
ethion	4,054	79	2	3	906	64	0	5	13	13	<1
ethoprop	51,270	51,104	27,955	23,842	27,949	26,196	16,119	19,046	16,531	28,419	23,130
fenamiphos	178,781	187,242	189,379	156,280	125,459	107,745	104,505	74,858	70,939	59,421	58,691
fenthion	186	413	141	176	29	22	33	61	79	3	36
fonofos	73,167	74,936	67,969	50,555	25,349	24,216	4,370	580	465	182	30

**Table 5A (cont.).** The reported pounds of cholinesterase-inhibiting pesticides used. These pesticides are the currently registered organophosphate and carbamate active ingredients.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
FORMETANATE HYDROCHLORIDE	152,622	104,012	106,168	97,907	77,723	65,030	43,941	45,625	35,844	28,420	30,651
MALATHION	749,317	801,496	673,379	773,782	645,889	678,105	505,970	556,371	636,384	654,151	492,308
METHAMIDOPHOS	240,959	500,055	260,255	312,067	244,269	116,256	76,865	46,615	30,645	36,987	31,332
METHIDATHION	367,447	321,605	328,328	309,154	178,451	177,105	98,129	93,521	68,389	54,398	61,204
METHIOCARB	4,126	2,672	2,120	4,769	5,384	3,314	2,411	2,262	1,852	2,274	2,789
METHOMYL	707,814	807,977	679,383	833,758	666,442	551,181	550,862	378,305	294,491	364,779	262,195
METHYL PARATHION	129,155	140,469	130,614	153,187	158,228	157,594	75,169	59,620	53,644	73,337	71,525
MOLINATE	1,496,227	1,377,257	1,356,258	1,170,699	1,006,025	911,376	1,025,786	733,534	877,572	539,871	367,155
NALED	457,723	700,676	351,267	615,314	260,048	297,895	255,419	261,882	196,777	186,260	152,479
OXAMYL	73,440	66,179	82,327	119,441	161,042	128,956	137,989	77,121	80,315	93,754	112,603
OXYDEMETON-METHYL	111,347	120,101	106,612	115,781	89,789	122,912	110,797	99,756	96,357	93,789	102,554
PARATHION	6,104	13,642	14,050	5,187	5,766	4,041	3,581	2,589	3,205	621	240
PEBULATE	235,690	244,181	202,634	184,015	185,696	225,077	160,018	45,619	71,721	35,755	10,118
PHENMEDIPHAM	8,863	8,771	6,612	6,621	5,836	6,735	7,478	4,249	4,351	5,021	4,481
PHORATE	159,146	135,887	160,854	139,725	149,707	93,488	87,974	70,645	76,482	64,947	60,162
PHOSALONE	99	52	27	33	11	0	4	0	0	0	0
PHOSMET	189,415	266,349	395,160	566,484	644,898	638,822	583,116	484,059	404,934	341,642	658,087
POTASSIUM DIMETHYL DITHIO CARBAMATE	47	0	0	15	24,795	0	0	0	23	28	293
PROFENOFOS	263,884	245,420	184,264	150,575	40,433	49,575	43,879	22,011	24,452	12,871	15,620
PROPAMOCARB HYDROCHLORIDE	0	0	16,341	10,215	57,121	6,285	4,959	2,288	828	83	5
PROPETAMPHOS	38,307	77,985	23,249	17,338	9,970	6,074	4,500	3,991	2,463	721	315
PROPOXUR	2,667	3,296	1,341	1,760	1,604	1,735	2,141	611	449	304	223
S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE	892,441	866,726	760,809	626,684	440,382	345,842	396,827	257,062	190,149	233,640	179,690
SODIUM DIMETHYL DITHIO CARBAMATE	337	1	0	0	8,279	355	1,315	173	0	0	10,693
SULFOTEP	1,000	509	316	355	213	246	215	267	77	8	29
SULPROFOS	876	171	0	119	84	0	0	<1	0	0	0
TETRACHLORVINPHOS	10,051	7,118	7,056	6,044	5,831	3,975	4,850	4,746	3,285	1,262	722
THIOBENCARB	406,085	559,610	618,412	894,287	724,926	732,505	1,007,249	644,625	839,962	587,211	521,586
THIODICARB	0	13,679	122,927	156,002	114,785	60,453	36,844	9,360	5,194	8,392	2,236
TRICHLORFON	4,275	4,552	3,327	3,843	2,476	2,779	3,992	3,004	1,545	1,068	1,035
TOTAL	16,045,617	17,132,318	15,466,155	16,158,902	13,056,633	12,262,468	11,645,448	9,263,448	8,571,483	7,891,332	7,761,802

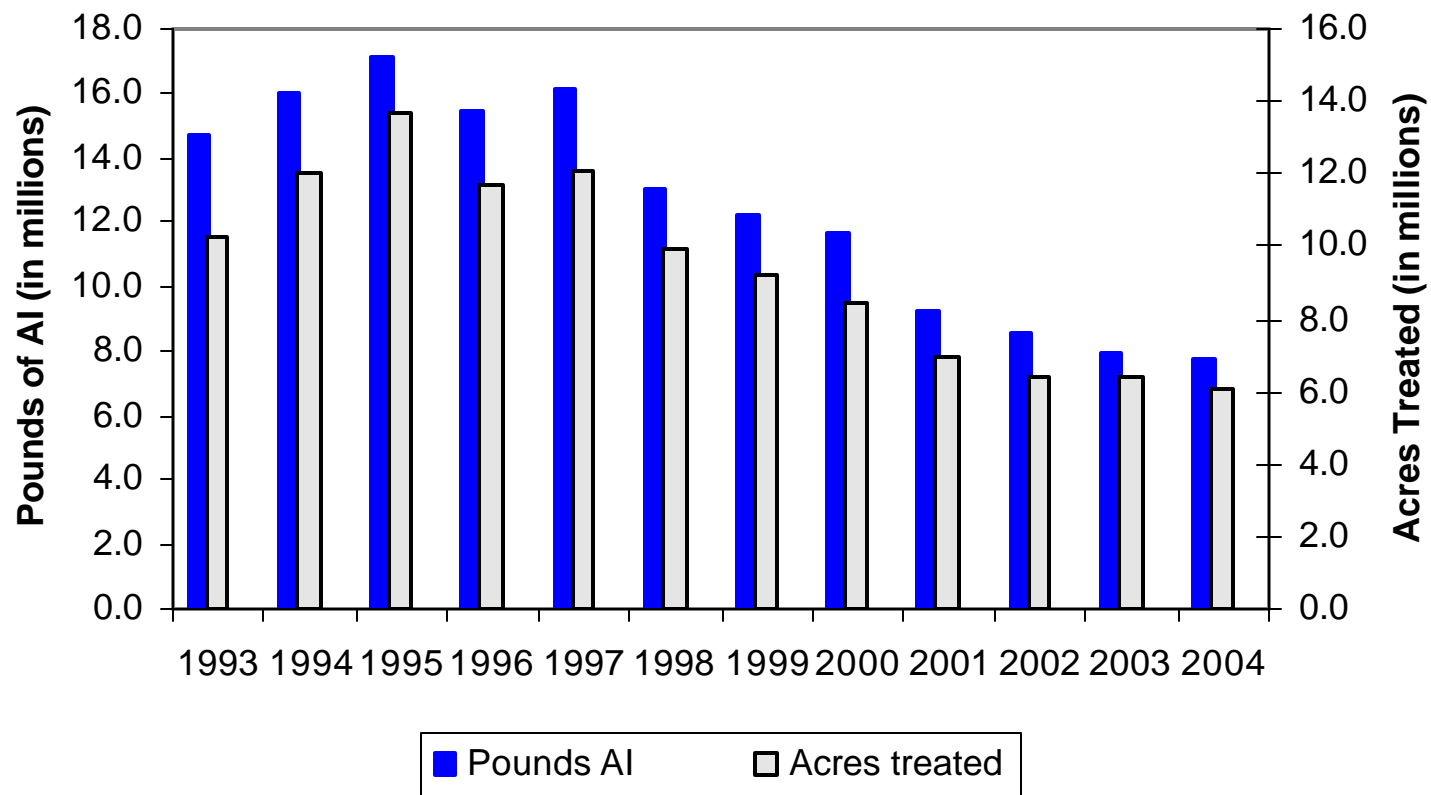
**Table 5B.** The reported cumulative acres treated with cholinesterase-inhibiting pesticides. These pesticides are the currently registered organophosphate and carbamate active ingredients. Use includes primarily agricultural applications. The grand total for acres treated is less than the sum of acres treated for all active ingredients because some products contain more than one active ingredient. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
3-iodo-2-propynyl butylcarbamate	0	0	0	0	150	0	0	40	0	0	0
acephate	402,643	489,259	406,607	372,566	403,537	370,111	295,298	266,278	232,908	223,396	211,892
aldicarb	256,428	355,717	490,499	442,029	397,890	266,773	314,440	282,453	225,820	231,090	217,540
azinphos-methyl	293,466	274,347	277,745	233,406	134,334	140,226	118,805	117,544	94,035	117,001	38,622
bendiocarb	1,574	499	188	19	28	11	<1	2	0	9	<1
bensulide	17,446	22,489	31,916	45,795	61,984	80,873	72,866	62,859	60,883	66,375	70,239
butylate	23,105	14,864	17,689	17,572	14,259	14,959	6,957	6,270	4,598	5,450	3,940
carbaryl	291,147	305,452	312,058	292,721	197,664	216,991	196,264	147,612	106,590	97,811	103,261
carbofuran	460,647	449,507	364,150	322,064	303,957	272,441	258,441	246,149	182,567	91,791	50,138
chlorpropham	20	0	4	26	106	151	127	112	80	124	166
chlorpyrifos	1,910,520	2,824,142	1,869,874	2,223,551	1,669,859	1,420,414	1,441,819	1,355,172	1,235,180	1,478,761	1,322,839
coumaphos	0	0	0	0	0	0	1,339	809	733	17	49
cycloate	22,571	20,685	19,597	25,986	29,761	24,555	18,487	15,918	17,213	16,721	20,695
ddvp	1,888	1,887	1,499	2,596	3,692	2,180	2,336	3,954	4,327	2,576	1,637
demeton	2,490	1,583	1,002	0	18	66	0	56	0	2	0
desmedipham	62,171	71,577	51,183	61,368	56,272	71,977	60,248	34,738	32,344	35,435	35,938
diazinon	878,221	752,898	680,947	530,355	477,804	546,577	478,994	437,934	489,149	483,283	509,158
dicrotophos	0	76	9	0	16	11	0	0	0	64	0
dimethoate	1,205,884	1,193,214	955,445	1,097,751	871,305	1,078,024	874,730	639,271	681,318	621,038	701,470
disulfoton	114,949	87,291	147,078	124,319	100,935	86,332	69,018	45,258	48,723	39,182	34,481
eptc	273,441	241,587	232,820	208,093	141,511	148,685	107,613	99,953	94,240	56,639	64,049
ethephon	704,394	806,425	776,247	700,941	653,817	720,773	697,300	631,330	550,255	601,519	660,356
ethion	2,093	91	5	2	621	53	0	5	0	1	0
ethoprop	5,767	5,470	3,139	3,213	3,784	3,610	3,477	3,542	4,152	6,078	4,917
fenamiphos	114,333	112,249	111,729	97,013	72,102	66,100	60,340	36,999	38,397	36,293	34,142
fenthion	0	0	0	0	0	0	0	0	0	0	18
fonofos	58,852	59,041	55,207	36,123	16,926	14,146	2,325	497	234	116	20
formetanate hydrochloride	141,203	100,837	103,521	95,544	77,965	63,047	42,880	45,234	36,131	29,411	33,167

**Table 5B (cont.).** The reported cumulative acres treated with cholinesterase-inhibiting pesticides. These pesticides are the currently registered organophosphate and carbamate active ingredients.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MALATHION	401,037	425,062	363,635	410,658	383,121	403,646	323,737	290,933	314,361	287,445	249,314
METHAMIDOPHOS	199,314	418,703	313,618	263,816	290,061	158,079	101,494	63,046	37,012	41,506	38,874
METHIDATHION	255,006	231,930	245,914	200,528	129,358	115,249	71,992	64,785	48,554	38,516	45,281
METHIOCARB	3,394	2,129	1,511	2,906	3,523	2,369	2,700	1,866	1,997	1,757	3,064
METHOMYL	1,215,586	1,425,295	1,145,115	1,376,868	1,118,188	880,910	893,424	627,264	509,104	615,609	437,673
METHYL PARATHION	137,691	129,976	125,729	125,638	128,675	119,315	43,773	39,449	37,448	51,192	48,640
MOLINATE	384,031	348,465	357,239	317,680	267,090	246,084	276,315	190,488	222,044	134,120	89,593
NALED	473,011	702,155	338,861	604,615	251,044	279,898	244,617	234,184	154,963	148,781	110,218
OXAMYL	115,085	106,205	122,353	176,793	225,380	177,183	179,048	100,294	98,313	115,250	135,832
OXYDEMETON-METHYL	226,433	253,868	220,824	244,056	186,964	253,281	225,984	200,171	193,441	189,047	206,746
PARATHION	3,404	6,688	5,099	2,071	2,592	1,976	4,025	2,977	7,026	1,016	392
PEBULATE	76,688	86,494	74,647	69,381	64,501	74,697	51,205	15,122	21,491	10,680	4,319
PHENMEDIPHAM	62,694	72,060	52,125	62,449	58,649	73,905	61,975	35,477	34,452	38,265	37,750
PHORATE	133,392	111,217	123,789	106,427	109,759	81,724	71,407	63,160	58,391	50,290	47,488
PHOSALONE	47	56	18	64	5	0	10	0	0	0	0
PHOSMET	136,500	172,539	214,416	236,611	312,707	253,234	219,707	189,517	158,970	128,029	209,843
POTASSIUM DIMETHYL DITHIO CARBAMATE	6	0	0	0	0	0	0	0	2	6	0
PROFENOFOS	336,830	296,860	211,769	162,204	44,641	46,250	46,617	23,700	25,997	13,599	11,657
PROPAMOCARB HYDROCHLORIDE	0	0	23,793	14,677	81,050	6,851	17,696	2,625	1,041	22	10
PROPETAMPHOS	0	0	0	0	0	0	0	0	0	0	0
PROPOXUR	14	5	9	73	45	39	26	4	23	1	7
S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE	615,978	604,586	531,052	437,505	305,306	245,470	282,844	187,153	129,570	158,604	133,535
SODIUM DIMETHYL DITHIO CARBAMATE	0	0	0	0	253	20	0	60	0	0	0
SULFOTEP	884	537	408	251	241	224	168	314	57	3	8
SULPROFOS	896	299	0	83	80	0	0	0	0	0	0
TETRACHLORVINPHOS	780	519	674	356	3,109	1,543	575	232	125	6	291
THIOBENCARB	91,906	126,745	159,121	227,658	187,295	186,341	252,506	169,056	222,606	154,952	136,132
THIODICARB	0	22,785	176,788	223,154	155,440	83,796	50,604	13,382	8,256	12,113	3,684
TRICHLORFON	818	1,037	204	149	1,071	97	70	51	19	8	0
TOTAL	12,051,166	13,664,563	11,666,708	12,137,558	9,940,972	9,227,717	8,484,527	6,960,130	6,392,624	6,395,557	6,032,734

**Figure 3.** Use trends of cholinesterase-inhibiting pesticides, which includes pesticides with organophosphate and carbamate active ingredients. Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.





## USE TRENDS OF PESTICIDES ON DPR'S GROUND WATER PROTECTION LIST

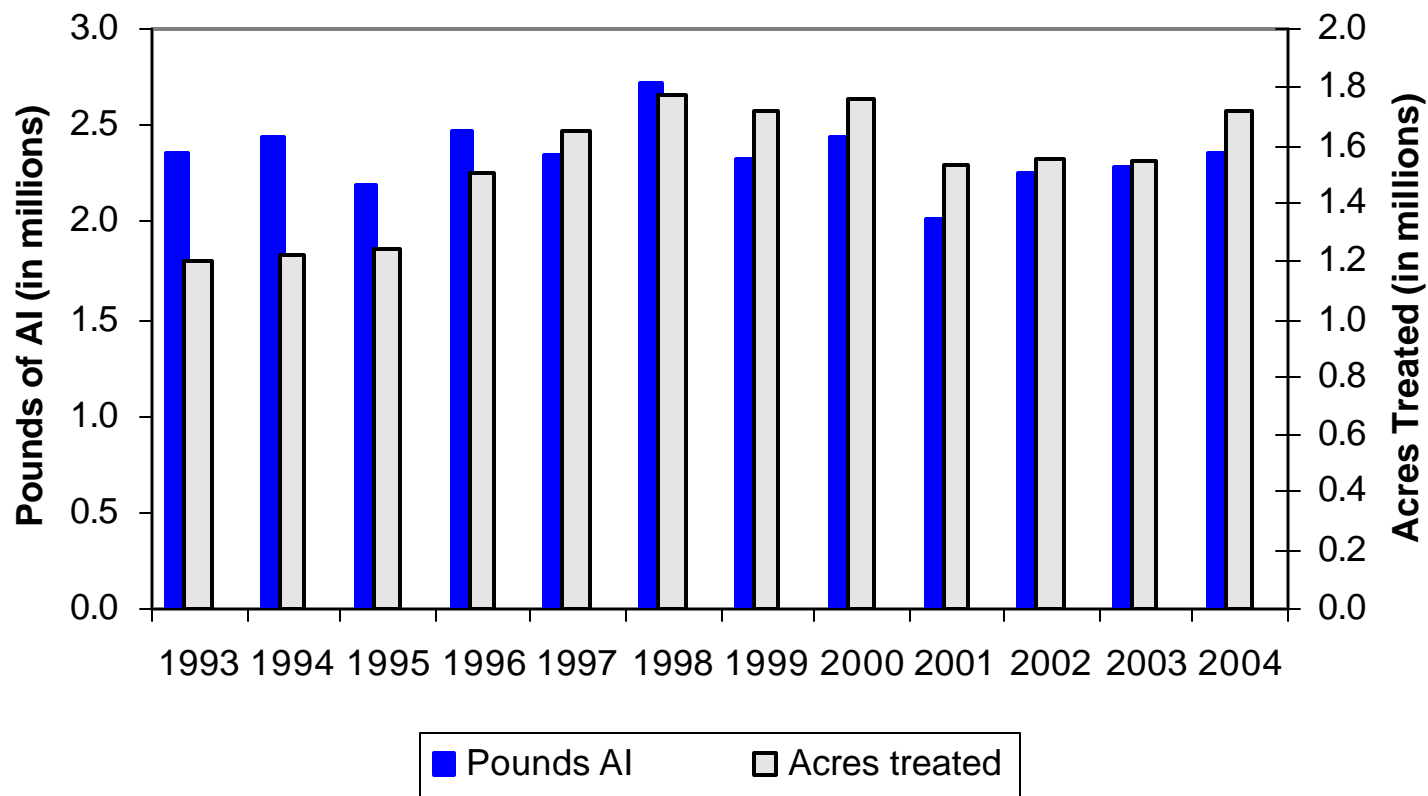
**Table 6A.** The reported pounds of pesticides on the "a" part of DPR's groundwater protection list. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6800(a). Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ATRAZINE	46,497	36,078	57,018	46,568	54,840	69,549	57,403	62,872	59,292	58,245	38,701
ATRAZINE, OTHER RELATED	2,480	1,932	3,062	2,502	2,943	3,706	1,224	1,321	1,237	1,216	810
BENTAZON, SODIUM SALT	1,175	655	1,518	1,907	1,757	1,837	1,210	393	1,045	1,216	1,370
BROMACIL	104,052	95,444	98,293	82,424	84,645	75,613	67,753	56,128	55,821	56,417	56,476
BROMACIL, LITHIUM SALT	11,085	6,517	17,381	9,141	4,686	4,162	4,478	3,217	4,016	3,025	1,801
DIURON	1,234,507	1,054,409	1,265,426	1,228,114	1,504,268	1,188,640	1,343,727	1,107,421	1,303,108	1,343,596	1,397,638
NORFLURAZON	154,383	153,138	196,142	212,621	265,886	286,214	257,651	209,981	188,032	146,815	139,960
PROMETON	84	117	68	20	22	4	28	2	21	2	20
SIMAZINE	890,353	837,366	839,209	764,586	794,758	696,574	700,648	587,000	634,176	674,141	729,349
TOTAL	2,444,616	2,185,656	2,478,115	2,347,882	2,713,804	2,326,298	2,434,122	2,028,334	2,246,747	2,284,673	2,366,124

**Table 6B.** The reported cumulative acres treated with pesticides on the "a" part of DPR's groundwater protection list. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6800(a). Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ATRAZINE	32,065	22,234	32,043	27,257	37,556	39,881	34,524	33,376	28,589	29,966	26,911
ATRAZINE, OTHER RELATED	32,065	22,234	32,042	27,257	37,529	39,876	34,524	33,376	28,589	29,966	26,911
BENTAZON, SODIUM SALT	1,688	805	1,460	2,010	1,904	1,968	1,502	432	1,094	987	1,279
BROMACIL	65,421	66,289	62,206	58,722	57,136	53,861	42,458	30,149	29,585	27,974	26,204
BROMACIL, LITHIUM SALT	0	0	0	0	40	40	30	0	0	0	0
DIURON	454,829	507,279	685,352	819,993	865,246	849,482	864,334	788,559	796,903	843,154	971,384
NORFLURAZON	139,498	133,585	179,015	186,991	214,144	217,178	230,836	192,305	161,702	125,619	125,802
PROMETON	8	23	27	8	85	18	51	0	174	49	171
SIMAZINE	589,560	573,735	607,228	613,237	647,072	611,626	619,639	515,419	561,195	546,015	587,663
TOTAL	1,218,778	1,238,484	1,505,936	1,651,236	1,769,479	1,721,896	1,757,983	1,532,564	1,551,972	1,547,283	1,716,031

**Figure 4.** Use trends of pesticides on DPR's groundwater protection list. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6800(a). Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



# USE TRENDS OF PESTICIDES ON DPR'S TOXIC AIR CONTAMINANTS LIST

**Table 7A.** The reported pounds of pesticides on DPR's toxic air contaminants list applied in California. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6860. Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1,3-DICHLOROPROPENE	2,122	409,821	1,956,846	2,400,930	2,911,385	3,122,723	4,442,193	4,135,462	5,359,193	7,009,034	8,945,145
2,4-D	27,544	23,995	22,089	10,227	3,868	3,060	2,065	1,787	1,691	1,732	1,828
2,4-D, 2-ETHYLHEXYL ESTER	71	278	10	1,313	13,750	72,225	12,557	13,706	15,477	19,715	20,816
2,4-D, ALKANOLAMINE SALTS (ETHANOL AND ISOPROPANOL AMINES)	28,863	30,642	27,954	25,684	29,061	15,992	6,737	674	452	1,357	624
2,4-D, BUTOXYETHANOL ESTER	67,414	31,743	38,567	13,263	12,140	5,628	6,107	5,336	3,482	3,812	4,837
2,4-D, BUTOXYPROPYL ESTER	1,166	224	61	13	569	5	4	3	0	0	0
2,4-D, BUTYL ESTER	1	39	0	0	2,169	8	21	<1	593	2	0
2,4-D, DIETHANOLAMINE SALT	714	1,938	3,003	24,809	14,965	5,843	13,002	6,667	8,080	8,831	5,022
2,4-D, DIMETHYLAMINE SALT	399,046	454,658	468,771	428,874	422,673	355,318	426,211	399,644	425,542	512,828	470,635
2,4-D, DODECYLAMINE SALT	5	16	8	58	75	730	0	257	322	0	0
2,4-D, HEPTYLAMINE SALT	0	86	<1	0	0	46	0	0	<1	0	0
2,4-D, ISOOCYL ESTER	1,212	13,466	7,822	60,356	46,603	17,387	6,914	15,828	12,343	12,366	10,039
2,4-D, ISOPROPYL ESTER	4,508	5,077	5,090	6,543	7,510	6,879	8,260	6,618	7,843	8,322	9,066
2,4-D, N-OLEYL-1,3-PROPYLENEDIAMINE SALT	672	37	35	0	3	7	11	0	0	0	0
2,4-D, OCTYL ESTER	0	15	0	0	0	0	0	0	0	0	0
2,4-D, PROPYL ESTER	2,326	2,032	1,774	1,575	999	1,822	783	391	634	326	472
2,4-D, TETRADECYLAMINE SALT	1	4	2	13	17	170	0	60	75	0	0
2,4-D, TRIETHYLAMINE SALT	121,241	105,656	93,876	34,610	5,688	2,344	1,038	634	426	435	386
2,4-D, TRIISOPROPYLAMINE SALT	24	6	2	3	5	6	0	5	9	6	0
ACROLEIN	336,993	362,773	322,578	341,245	264,207	328,238	290,180	233,928	283,541	272,733	211,014
ALUMINUM PHOSPHIDE	86,525	80,577	103,858	89,198	67,804	123,419	119,545	100,020	169,224	119,500	131,230
ARSENIC ACID	27,571	37,206	53,777	59,835	52,558	48,029	11,906	12,023	4,976	318	223
ARSENIC PENTOXIDE	86,445	83,814	205,089	64,372	50,899	245,238	91,267	259,386	194,650	165,709	12,705
ARSENIC TRIOXIDE	<1	<1	<1	<1	1	1	<1	<1	<1	<1	<1
CAPTAN	608,658	734,314	918,588	799,878	1,559,136	965,922	642,757	399,263	392,205	499,973	370,418

**Table 7A (cont.).** The reported pounds of pesticides on DPR's toxic air contaminants list applied in California.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
CAPTAN, OTHER RELATED	14,890	17,831	21,729	19,448	54,940	22,216	14,617	9,017	8,945	11,344	8,271
CARBARYL	820,787	835,811	809,794	753,801	426,893	387,145	365,174	287,802	256,057	205,080	240,071
CHLORINE	750,653	2,815,119	330,017	423,469	422,252	628,546	678,417	297,086	502,944	619,735	516,546
CHROMIC ACID	120,822	117,092	286,521	89,931	71,109	343,543	128,642	363,205	272,300	232,064	17,753
DAZOMET	3,026	5,875	12,851	13,305	12,217	12,409	10,486	44,299	45,020	44,798	58,492
DDVP	4,798	6,063	13,097	13,636	13,998	12,325	12,718	12,837	8,524	3,437	3,807
ETHYLENE OXIDE	3	0	0	0	31	2	6	3	0	0	0
FORMALDEHYDE	11,864	153,519	334,548	403,824	305,297	111,714	55,300	28,612	14,035	18,690	111,151
HYDROGEN CHLORIDE	206	224	1,938	129	762	11,067	3,316	4,276	4,256	3,222	2,510
LINDANE	5,281	4,507	4,576	5,388	6,293	4,842	4,738	2,388	1,633	908	775
MAGNESIUM PHOSPHIDE	1,892	2,703	2,163	2,362	4,132	3,540	3,541	2,492	4,811	2,844	2,621
MANCOZEB	464,924	659,240	567,866	526,364	987,270	630,968	611,498	430,604	396,672	538,033	379,299
MANEB	912,903	1,257,122	1,328,318	1,081,124	1,596,876	1,045,567	1,203,483	817,059	851,643	1,026,685	953,782
META-CRESOL	2	2	3	6	8	11	14	1	1	1	2
METAM-SODIUM	11,122,361	14,975,528	15,253,924	14,969,732	13,729,306	16,774,246	13,218,764	12,545,403	15,137,719	14,815,687	14,683,308
METHANOL	100	27	0	0	0	3	<1	0	0	0	0
METHOXYCHLOR	692	1,049	484	358	566	16	26	41	144	3	1
METHOXYCHLOR, OTHER RELATED	90	139	62	44	11	<1	0	<1	0	0	<1
METHYL BROMIDE	16,607,324	17,165,964	16,022,069	15,663,832	13,569,875	15,300,388	10,869,241	6,618,631	6,550,818	7,384,398	7,089,862
METHYL ISOTHIOCYANATE	2,219	123	0	353	220	616	3,323	2,871	3,512	547	1,357
METHYL PARATHION	129,155	140,469	130,614	153,187	158,228	157,594	75,169	59,620	53,644	73,337	71,525
NAPHTHALENE	1	<1	0	1	333	<1	0	0	<1	23	0
PARA-DICHLOROBENZENE	3	2	4	3	219	86	4	11	1	25	10
PARATHION	6,104	13,642	14,050	5,187	5,766	4,041	3,581	2,589	3,205	621	240
PCNB	91,601	109,755	83,087	89,548	88,036	67,424	62,224	50,341	43,387	38,821	34,176
PCP, OTHER RELATED	5	<1	<1	1	2	11	54	2	2	<1	<1
PCP, SODIUM SALT	0	0	0	0	2	0	0	<1	0	0	0
PCP, SODIUM SALT, OTHER RELATED	0	0	0	0	0	0	0	0	0	0	0
PENTACHLOROPHENOL	40	3	3	8	33	92	466	14	17	3	2
PHENOL	296	300	25	8	44	12	20	30	0	<1	9
PHOSPHINE	0	0	0	0	0	0	0	44	901	1,141	1,664

**Table 7A (cont.).** *The reported pounds of pesticides on DPR's toxic air contaminants list applied in California.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
PHOSPHORUS	29	34	58	14	12	9	22	3	1	1	1
POTASSIUM N-METHYLDITHIOCARBAMATE	0	0	0	0	9,143	0	105,364	137,098	449,804	581,840	851,181
POTASSIUM PERMANGANATE	0	0	0	0	243	0	0	0	0	0	0
PROPOXUR	2,667	3,296	1,341	1,760	1,604	1,735	2,141	611	449	304	223
PROPYLENE OXIDE	41,815	131,593	224,495	198,559	198,595	172,556	118,381	99,727	99,674	99,396	151,484
S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE	892,441	866,726	760,809	626,684	440,382	345,842	396,827	257,062	190,149	233,640	179,690
SODIUM CYANIDE	1,754	1,347	1,338	2,197	3,280	1,098	2,178	2,437	2,542	2,808	2,865
SODIUM DICHROMATE	0	0	180,478	182,185	122,647	32,699	122	329	633	217	0
SODIUM TETRATHIOCARBONATE	63,620	226,590	543,229	799,092	898,145	688,701	596,028	375,487	352,342	212,308	259,542
TRIFLURALIN	1,261,342	1,380,785	1,143,695	1,191,780	1,219,810	1,260,536	1,162,359	934,584	1,093,884	1,062,581	1,023,127
XYLENE	29,001	17,944	12,619	8,511	5,366	4,847	4,292	9,544	2,680	4,360	2,109
ZINC PHOSPHIDE	2,933	1,610	1,217	2,326	1,200	5,447	1,607	1,120	980	1,252	1,924
TOTAL	35,170,769	43,290,450	42,316,825	41,590,956	39,821,232	43,352,935	35,795,701	28,988,970	33,234,086	35,857,153	36,843,842

**Table 7B.** The reported cumulative acres treated in California with pesticides on DPR's toxic air contaminants list. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6860. Use includes primarily agricultural applications. The grand total for acres treated is less than the sum of acres treated for all active ingredients because some products contain more than one active ingredient. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1,3-DICHLOROPROPENE	33	4,174	17,223	22,193	27,059	29,430	33,101	30,817	42,064	48,944	56,618
2,4-D	156,563	151,453	137,230	50,709	11,649	7,791	5,054	3,952	2,295	2,562	3,577
2,4-D, 2-ETHYLHEXYL ESTER	65	385	160	729	6,867	7,624	7,833	6,919	9,906	22,426	20,362
2,4-D, ALKANOLAMINE SALTS (ETHANOL AND ISOPROPANOL AMINES)	26,138	22,298	21,872	20,055	22,117	11,843	5,711	359	264	630	1,475
2,4-D, BUTOXYETHANOL ESTER	46,343	29,933	35,599	13,504	13,798	7,198	7,013	5,633	2,565	2,539	4,035
2,4-D, BUTOXYPROPYL ESTER	100	5	2	51	105	37	5	9	0	0	0
2,4-D, BUTYL ESTER	0	0	0	0	307	37	24	1	101	0	0
2,4-D, DIETHANOLAMINE SALT	933	4,683	8,721	88,149	58,239	23,884	49,357	27,705	36,290	39,046	22,729
2,4-D, DIMETHYLAMINE SALT	474,599	524,146	540,728	527,870	477,967	411,858	495,513	475,796	491,048	595,257	553,037
2,4-D, DODECYLAMINE SALT	0	0	0	76	82	1,481	0	262	276	0	0
2,4-D, HEPTYLAMINE SALT	0	18	<1	0	0	29	0	0	0	0	0
2,4-D, ISOOCYL ESTER	379	3,497	5,163	35,045	29,179	14,449	3,970	16,375	6,925	9,476	7,502
2,4-D, ISOPROPYL ESTER	63,244	72,878	69,081	87,492	101,141	100,837	103,938	88,849	108,908	116,859	117,870
2,4-D, N-OLEYL-1,3- PROPYLENEDIAMINE SALT	449	36	26	0	2	3	0	0	0	0	0
2,4-D, OCTYL ESTER	0	0	0	0	0	0	0	0	0	0	0
2,4-D, PROPYL ESTER	28,812	22,655	23,846	21,479	14,356	15,542	11,278	5,200	7,468	5,509	8,680
2,4-D, TETRADECYLAMINE SALT	0	0	0	76	82	1,481	0	262	276	0	0
2,4-D, TRIETHYLAMINE SALT	152,474	146,454	131,679	46,600	7,381	2,638	1,311	1,257	688	1,035	677
2,4-D, TRIISOPROPYLAMINE SALT	0	0	0	0	0	0	0	0	0	0	0
ACROLEIN	888	3,190	2,462	1,514	292	3,981	873	1,409	2,206	642	575
ALUMINUM PHOSPHIDE	120,397	92,977	80,217	66,017	74,441	1,034,732	1,271,629	67,422	70,176	73,864	74,762
ARSENIC ACID	0	0	0	0	0	0	0	0	0	0	0
ARSENIC PENTOXIDE	660	0	0	0	0	0	709,893	56	0	0	48
ARSENIC TRIOXIDE	0	0	0	0	0	0	0	0	1	<1	0
CAPTAN	244,164	295,860	381,989	347,631	602,684	404,731	309,768	215,969	213,438	271,140	211,028
CAPTAN, OTHER RELATED	244,097	295,831	381,989	347,235	602,585	404,511	309,116	215,958	213,388	270,968	209,571

**Table 7B (cont.).** The reported cumulative acres treated in California with pesticides on DPR's toxic air contaminants list.

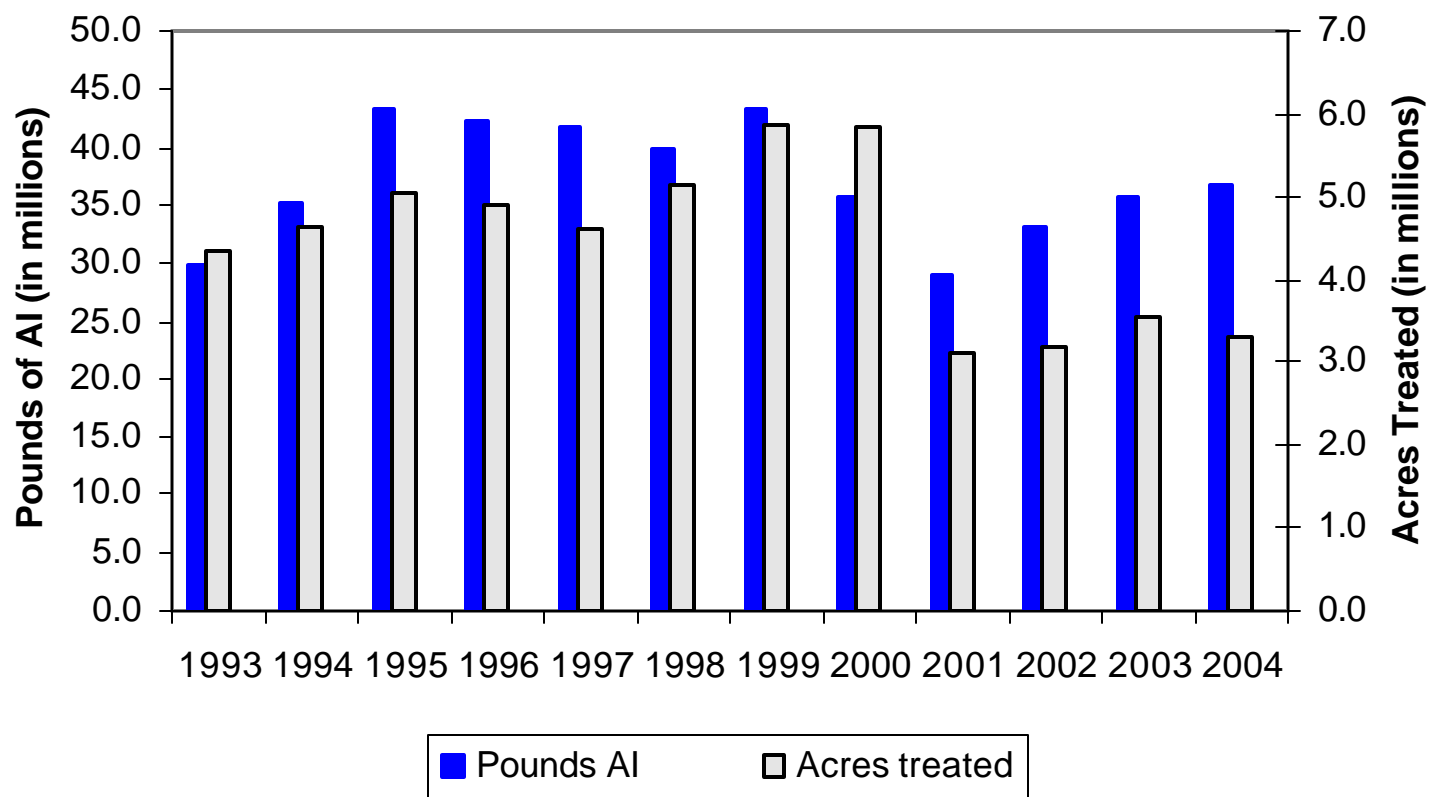
AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
CARBARYL	291,147	305,452	312,058	292,721	197,664	216,991	196,264	147,612	106,590	97,811	103,261
CHLORINE	0	290	0	1,005	1,329	46,611	37,220	95	150	650	2,137
CHROMIC ACID	660	0	0	0	0	0	709,893	56	0	0	0
DAZOMET	59	384	863	1,099	3,589	243	222	224	136	326	298
DDVP	1,888	1,887	1,499	2,596	3,692	2,180	2,336	3,954	4,327	2,576	1,637
ETHYLENE OXIDE	0	0	0	0	194	31	41	0	0	0	0
FORMALDEHYDE	15	137	234	12	126	123	47	53	33	18	23
HYDROGEN CHLORIDE	1	0	1	0	16	0	0	27	590	273	1
LINDANE	22,984	19,380	25,352	36,573	32,650	20,930	14,628	13,832	8,010	8,828	9,437
MAGNESIUM PHOSPHIDE	0	23	19	26	184	616,017	46	373	7	167	1
MANCOZEB	273,836	405,494	351,801	284,134	682,979	387,300	363,260	228,275	197,055	276,096	194,219
MANEB	512,009	652,122	731,079	624,123	942,083	629,897	611,717	535,105	554,787	659,893	601,360
META-CRESOL	930	1,279	1,309	3,488	1,407	657	3,142	517	267	244	288
METAM-SODIUM	183,625	199,457	215,899	198,395	154,309	186,300	146,847	125,263	141,357	142,396	128,427
METHANOL	0	0	0	0	0	0	14	0	0	0	0
METHOXYCHLOR	220	30	19	131	194	140	197	88	24	0	44
METHOXYCHLOR, OTHER RELATED	70	5	9	52	5	0	0	0	0	0	<1
METHYL BROMIDE	106,694	107,933	96,507	103,068	90,107	102,125	75,741	60,892	53,100	55,251	57,175
METHYL ISOTHIOCYANATE	0	0	0	0	47	100	0	0	0	0	0
METHYL PARATHION	137,691	129,976	125,729	125,638	128,675	119,315	43,773	39,449	37,448	51,192	48,640
NAPHTHALENE	0	0	0	0	0	0	0	0	20	0	0
PARA-DICHLOROBENZENE	0	0	0	0	10	0	0	0	0	0	0
PARATHION	3,404	6,688	5,099	2,071	2,592	1,976	4,025	2,977	7,026	1,016	392
PCNB	55,371	53,079	44,187	29,169	39,090	28,324	28,628	25,832	9,533	7,759	3,817
PCP, OTHER RELATED	2	<1	15	4	15	0	59	38	0	0	20
PCP, SODIUM SALT	0	0	0	0	20	0	0	0	0	0	0
PCP, SODIUM SALT, OTHER RELATED	0	0	0	0	0	0	0	0	0	0	0
PENTACHLOROPHENOL	2	<1	15	4	190	0	59	38	0	0	20
PHENOL	6,126	7,947	718	37	275	459	5	501	0	25	310
PHOSPHINE	0	0	0	0	0	0	0	0	0	0	349
PHOSPHORUS	3,435	1,908	69	790	965	5,701	2,847	252	0	0	0
POTASSIUM N- METHYLDITHIOCARBAMATE	0	0	0	21	50	0	534	2,321	9,073	12,887	10,229

**Table 7B (cont.).** *The reported cumulative acres treated in California with pesticides on DPR's toxic air contaminants list.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
POTASSIUM PERMANGANATE	0	0	0	0	20	0	0	0	0	0	0
PROPOXUR	14	5	9	73	45	39	26	4	23	1	7
PROPYLENE OXIDE	0	0	0	<1	0	573	0	0	<1	0	22
S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE	615,978	604,586	531,052	437,505	305,306	245,470	282,844	187,153	129,570	158,604	133,535
SODIUM CYANIDE	82,520	6,040	3,020	84,800	53,285	0	0	0	0	0	0
SODIUM DICHROMATE	0	0	0	0	0	0	0	0	0	0	0
SODIUM TETRATHIOCARBONATE	3,706	12,997	27,736	35,473	34,488	24,947	21,002	13,574	11,559	6,832	8,497
TRIFLURALIN	1,160,072	1,282,997	1,086,892	1,131,033	1,083,219	1,159,648	1,038,856	800,893	944,334	903,654	920,528
XYLENE	28,673	28,870	24,221	13,568	11,327	3,325	6,208	9,665	4,533	7,512	3,375
ZINC PHOSPHIDE	27,654	16,101	22,801	26,756	18,833	38,101	16,349	11,069	7,049	8,387	14,150
TOTAL	4,656,488	5,042,019	4,892,104	4,591,003	5,142,630	5,870,168	5,842,438	3,111,086	3,173,973	3,540,993	3,290,356



**Figure 5.** Use trends of pesticides on DPR's toxic air contaminants list. These pesticides are the currently registered active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6860. Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



## USE TRENDS OF OIL PESTICIDES

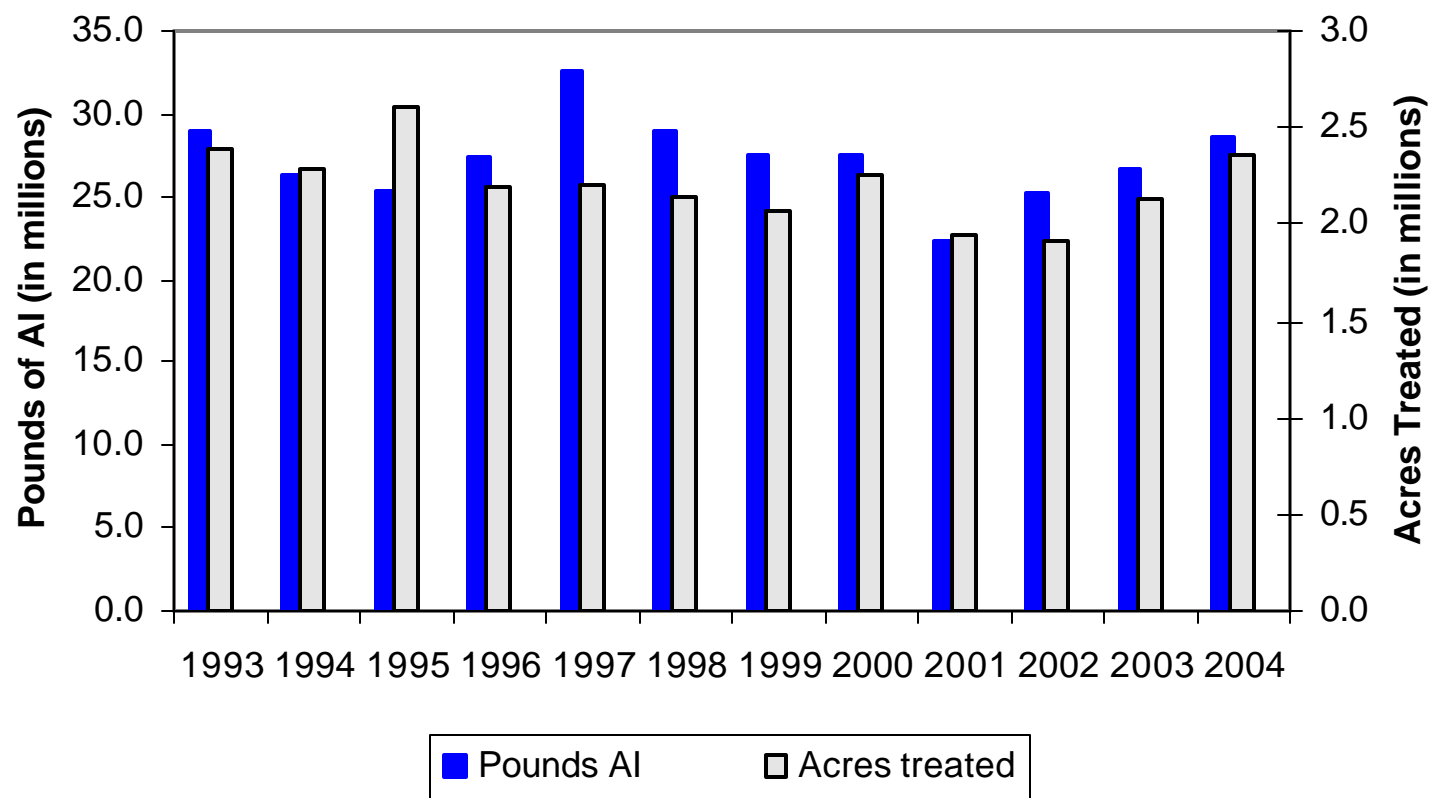
**Table 8A.** The reported pounds of oil pesticides. As a broad group, oil pesticides and other petroleum distillates are on U.S. EPA's list of B2 carcinogens or the State's Proposition 65 list of chemicals "known to cause cancer." However, these classifications do not distinguish among oil pesticides that may not qualify as carcinogenic due to their degree of refinement. Many such oil pesticides also serve as alternatives to high-toxicity chemicals. For this reason, oil pesticide data was classified separately in this report. Use includes both agricultural and reportable non-agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
COAL TAR HYDROCARBONS	0	0	0	0	0	0	0	50	<1	0	0
HYDROTREATED PARAFFINIC SOLVENT	0	0	0	0	0	0	0	0	0	284,236	320,019
ISOPARAFFINIC HYDROCARBONS	8	10	5	2	35	8	13	1	1,928	23,782	30,095
KEROSENE	152,200	145,743	120,700	101,293	90,108	70,398	84,562	48,304	18,404	12,407	9,585
MINERAL OIL	3,444,484	3,350,535	4,797,876	5,542,530	5,286,094	4,418,280	3,911,471	3,654,856	5,054,070	6,280,443	9,053,668
NAPHTHA, HEAVY AROMATIC PETROLEUM DERIVATIVE	27	26	143	83	0	0	0	29	0	2	53
RESIN	551	4	94	15	6	1	3	1	<1	1	1
PETROLEUM DISTILLATES	2,279,717	2,459,518	1,705,072	1,791,012	1,604,775	2,416,054	2,299,176	1,739,436	1,565,116	1,879,545	1,600,483
PETROLEUM DISTILLATES, ALIPHATIC	0	0	0	0	0	0	<1	7	49,237	15,163	30,638
PETROLEUM DISTILLATES, AROMATIC	64,526	31,535	14,630	13,961	35,085	9,925	10,400	2,851	6,202	2,916	5,506
PETROLEUM DISTILLATES, REFINED	63,524	45,967	38,396	45,094	60,337	114,329	927,949	842,758	286,978	371,482	1,023,896
PETROLEUM HYDROCARBONS	183,214	234,001	266,895	210,042	236,590	121,783	143,090	219,545	216,917	985	642
PETROLEUM NAPHTHENIC OILS	320	0	12	1	9	2	3	91	325	208	24
PETROLEUM OIL, PARAFFIN BASED	440,464	434,878	312,359	267,704	0	310,988	344,350	342,367	283,487	367,051	433,848
PETROLEUM OIL, UNCLASSIFIED	19,674,078	18,687,636	20,063,955	24,633,153	21,723,758	20,084,263	19,797,620	15,447,561	17,656,554	17,447,935	15,927,177
PETROLEUM SULFONATES	1	<1	4	1	<1	<1	1	<1	<1	0	0
TOTAL	26,303,115	25,389,853	27,320,140	32,604,892	29,036,797	27,546,031	27,518,636	22,297,858	25,139,218	26,686,154	28,435,635

**Table 8B.** The reported cumulative acres treated in California with oil pesticides. (See qualifying comments on U.S. EPA B2 carcinogen and Proposition 65 listing with Table 8A.) Uses include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
COAL TAR HYDROCARBONS	0	0	0	0	0	0	0	0	0	0	0
HYDROTREATED PARAFFINIC SOLVENT	0	0	0	0	0	0	0	0	0	306,243	327,022
ISOPARAFFINIC HYDROCARBONS	<1	0	0	0	0	0	0	0	4,490	56,120	67,795
KEROSENE	284,864	333,112	289,469	240,080	223,822	179,961	227,734	138,896	29,561	21,672	11,992
MINERAL OIL	130,688	144,413	190,550	191,954	615,564	163,976	157,520	169,885	199,089	286,423	407,021
NAPHTHA, HEAVY AROMATIC	0	0	0	0	0	0	0	11	0	0	0
PETROLEUM DERIVATIVE RESIN	1,321	3	191	50	13	1	0	0	0	0	0
PETROLEUM DISTILLATES	340,671	440,375	369,500	299,592	265,736	223,509	274,543	213,784	210,437	236,822	244,673
PETROLEUM DISTILLATES, ALIPHATIC	0	0	0	0	0	0	0	5,104	44,494	26,131	25,904
PETROLEUM DISTILLATES, AROMATIC	66,414	53,211	12,324	19,003	2,153	7,088	6,238	1,900	3,935	1,804	569
PETROLEUM DISTILLATES, REFINED	4,173	3,976	5,145	6,146	6,162	12,495	42,145	48,446	35,407	39,838	79,589
PETROLEUM HYDROCARBONS	191,965	248,347	193,257	200,989	276,950	237,043	258,740	289,094	273,322	2,869	108
PETROLEUM NAPHTHENIC OILS	540	0	73	0	50	37	0	5,119	13,241	11,314	2,484
PETROLEUM OIL, PARAFFIN BASED	664,715	680,590	464,508	443,059	0	470,204	461,939	445,342	416,483	488,928	555,670
PETROLEUM OIL, UNCLASSIFIED	603,690	703,859	663,575	811,902	753,904	775,828	817,752	631,471	703,820	667,064	653,593
PETROLEUM SULFONATES	0	<1	<1	<1	0	<1	10	0	0	0	0
TOTAL	2,288,491	2,607,726	2,188,420	2,212,690	2,144,304	2,070,045	2,246,598	1,937,975	1,914,147	2,124,920	2,369,478

**Figure 6.** Use trends of oil pesticides. As a broad group, oil pesticides and other petroleum distillates are on U.S. EPA’s list of B2 carcinogens or the State’s Proposition 65 list of chemicals “known to cause cancer.” However, these classifications do not distinguish among oil pesticides that may not qualify as carcinogenic due to their degree of refinement. Many such oil pesticides also serve as alternatives to high-toxicity chemicals. For this reason, oil pesticide data was classified separately in this report. Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



## USE TRENDS OF REDUCED-RISK PESTICIDES

**Table 9A.** The reported pounds of reduced-risk pesticides applied in California. These active ingredients are contained in pesticide products that have been given reduced-risk status by U.S. EPA. Use includes both agricultural and non-agricultural applications. Zero values in early years likely indicate the pesticide was not yet registered for use. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1-METHYLCYCLOPROPENE	0	0	0	0	0	0	0	<1	<1	<1	<1
ACETAMIPRID	0	0	0	0	0	0	0	0	6,434	26,628	34,717
ACIBENZOLAR-S-METHYL	0	0	0	0	0	0	0	230	1,157	1,159	714
AZOXYSTROBIN	0	0	0	23,851	69,232	95,723	114,968	85,600	95,827	97,516	87,275
BIFENAZATE	0	0	0	0	0	0	92	523	24,719	42,866	60,594
BISPYRIBAG-SODIUM	0	0	0	0	0	0	0	0	2,378	2,219	3,242
BOSCALID	0	0	0	0	0	0	0	0	0	59	62,149
BUPROFEZIN	0	0	0	6,987	8,459	22,244	678	3,439	22,302	33,510	43,055
CARBO METHOXY ETHER CELLULOSE, SODIUM SALT	92	184	22,994	1,032	723	638	436	543	6	0	0
CARFENTRAZONE-ETHYL	0	0	0	0	3,076	2,730	0	492	2,128	14,196	14,315
CINNAMALDEHYDE	0	0	0	<1	<1	6,764	10,332	4,704	806	238	326
CORN GLUTEN MEAL	0	0	0	0	0	2,490	4,590	2,744	1,294	8	18
CYPRODINIL	0	0	0	0	48,417	56,268	98,773	81,216	99,483	121,341	108,068
FENHEXAMID	0	0	0	0	0	12,386	36,240	39,583	50,073	64,535	53,890
FIPRONIL	0	0	0	<1	1	2	662	7,856	15,017	32,756	49,950
FLUDIOXONIL	0	0	0	0	551	349	568	974	5,021	7,369	6,504
FORCHLORFENURON	0	0	0	0	0	0	0	43	35	139	5
HEXAFLUMURON IMAZAMOX, AMMONIUM SALT	0	<1	<1	<1	2	8	8	12	93	21	5
INDOXACARB	0	0	0	0	0	0	3,535	29,016	27,098	70,058	36,930
IRON PHOSPHATE	0	0	0	0	66	187	344	617	545	855	1,255
MEFENOXAM	0	0	43	29,078	59,960	55,942	60,426	49,967	54,562	60,964	65,450
METHOXYFENOZIDE	0	0	0	0	0	0	0	0	0	861	74,915
METHYL ANTHRANILATE	0	0	6	184	49	57	50	37	85	34	534
NOVALURON	0	0	0	0	0	0	0	0	2	24	40
OIL OF PEPPERMINT	0	0	0	0	0	0	0	<1	0	<1	<1
OXYPURINOL	0	0	0	0	0	0	<1	<1	0	0	0
POTASSIUM BICARBONATE	0	0	0	28	65,909	92,990	130,462	121,804	179,676	283,851	159,764
PROHEXADIONE CALCIUM	0	0	0	0	0	0	0	46	52	153	185

**Table 9A (cont.).** *The reported pounds of reduced-risk pesticides applied in California.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
PYMETROZINE	0	0	0	0	0	18	829	1,284	1,420	2,226	5,250
PYRACLOSTROBIN	0	0	0	0	0	0	0	0	0	23,855	55,892
PYRIPROXYFEN	0	0	0	3,220	6,072	3,096	14,040	7,663	9,782	10,796	13,363
SODIUM BICARBONATE	0	0	0	0	0	5	22	230	2,063	0	126
SPINOSAD	0	0	0	10,146	29,717	44,573	55,443	51,071	53,574	61,613	65,984
TEBUFENOZIDE	0	7,955	3,463	5,300	9,178	8,815	62,310	65,724	65,094	93,057	21,087
THIAMETHOXAM	0	0	0	0	0	0	0	0	10,897	10,187	10,070
TRIFLOXYSTROBIN	0	0	0	0	0	0	45,938	12,303	18,321	21,234	16,629
XANTHINE	0	0	0	0	0	0	<1	<1	0	0	0
TOTAL	92	8,138	26,506	79,825	301,413	405,284	640,744	567,721	751,434	1,086,997	1,055,345

**Table 9B.** The reported cumulative acres treated in California with each reduced-risk pesticide. These active ingredients are contained in pesticide products that have been given reduced-risk status by U.S. EPA. Use includes primarily agricultural applications. Zero values in early years likely indicate the pesticide was not yet registered for use. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

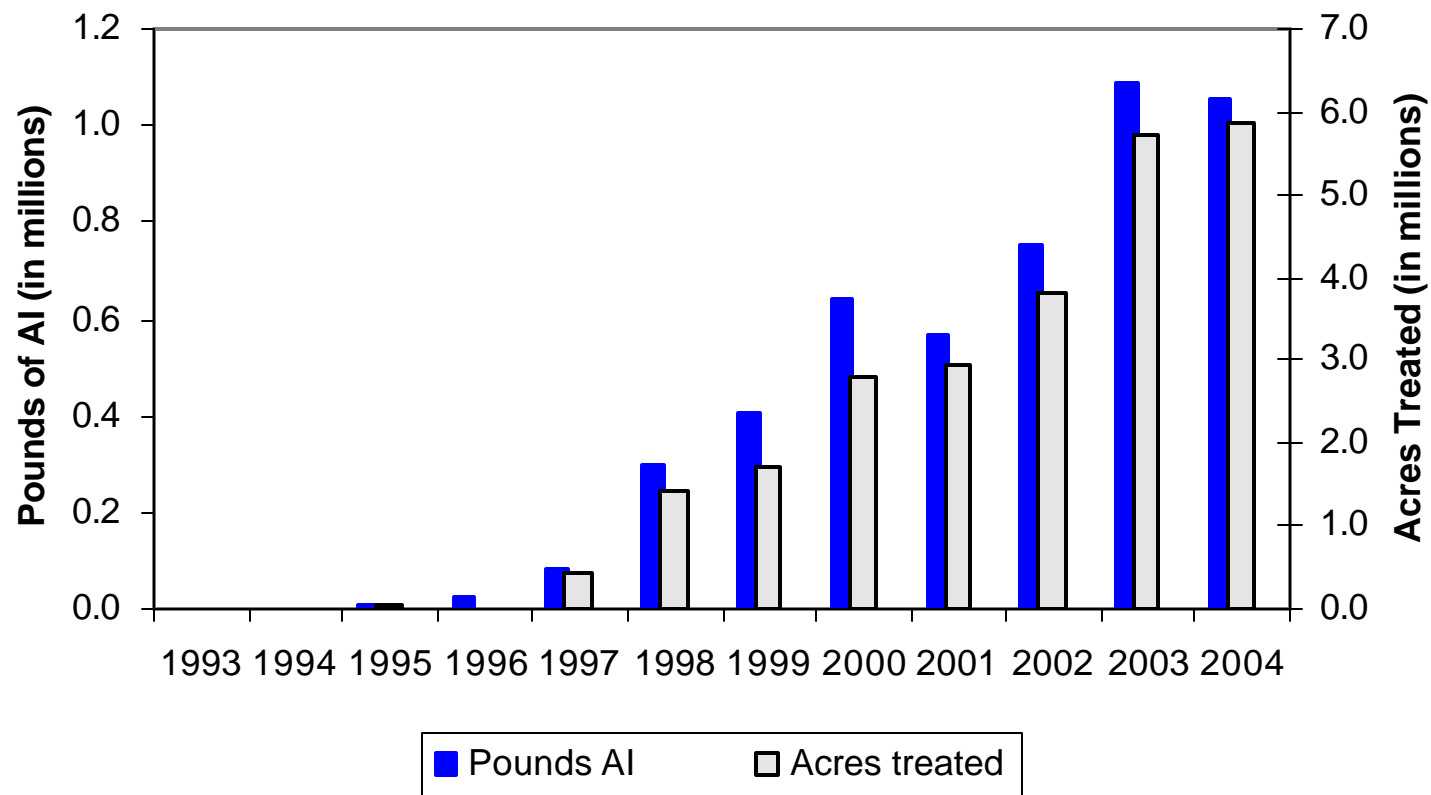
AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1-METHYLCYCLOPROPENE	0	0	0	0	0	0	0	3	<1	9	4
ACETAMIPRID	0	0	0	0	0	0	0	0	87,041	423,398	554,758
ACIBENZOLAR-S-METHYL	0	0	0	0	0	0	0	8,266	39,749	38,316	25,414
AZOXYSTROBIN	0	0	0	28,421	340,507	449,776	581,810	444,032	511,046	690,373	518,422
BIFENAZATE	0	0	0	0	0	0	249	2,173	58,876	97,369	136,234
BISPYRIBAC-SODIUM	0	0	0	0	0	0	0	0	80,499	70,514	94,653
BOSCALID	0	0	0	0	0	0	0	0	0	163	330,761
BUPROFEZIN	0	0	0	18,623	8,382	15,801	1,966	10,012	32,716	61,238	91,529
CARBO METHOXY ETHER CELLULOSE, SODIUM SALT	61	113	235	328	83	77	197	484	5	0	0
CARFENTRAZONE-ETHYL	0	0	0	0	38,578	17,800	0	7,027	16,440	167,610	357,461
CINNAMALDEHYDE	0	0	0	<1	<1	2,418	4,136	1,534	295	105	137
CORN GLUTEN MEAL	0	0	0	0	0	0	0	7	3	0	0
CYPRODINIL	0	0	0	0	122,772	186,536	314,850	282,736	346,342	412,877	401,141
FENHEXAMID	0	0	0	0	0	18,455	57,100	70,069	84,525	113,987	92,304
FIPRONIL	0	0	0	0	0	0	0	1	1	1	25
FLUDIOXONIL	0	0	0	0	0	1,102	343	431	21,654	29,962	28,372
FORCHLORFENURON	0	0	0	0	0	0	0	786	882	1,455	80
HEXAFLUMURON	0	0	0	0	0	0	0	1	0	2	0
IMAZAMOX, AMMONIUM SALT	0	0	0	0	0	0	0	0	34,700	60,827	72,851
INDOXACARB	0	0	0	0	0	0	33,833	390,579	365,901	900,278	493,004
IRON PHOSPHATE	0	0	0	0	205	470	852	1,036	1,929	1,253	2,148
MEFENOXAM	0	0	40	153,858	360,994	335,708	406,191	273,020	283,752	308,528	311,751
METHOXYFENOZIDE	0	0	0	0	0	0	0	0	0	3,239	387,470
METHYL ANTHRANILATE	0	0	0	0	0	0	0	0	81	56	1,458
NOVALURON	0	0	0	0	0	0	0	0	34	319	508
OIL OF PEPPERMINT	0	0	0	0	0	0	0	0	0	0	0
OXYPURINOL	0	0	0	0	0	0	0	0	0	0	0
POTASSIUM BICARBONATE	0	0	0	11	34,010	52,110	60,330	52,654	73,894	106,955	64,957
PROHEXADIONE CALCIUM	0	0	0	0	0	0	0	156	341	852	943

**Table 9B** (cont.). *The reported cumulative acres treated in California with each reduced-risk pesticide.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
PYMETROZINE	0	0	0	0	0	98	4,520	10,421	10,859	17,641	55,057
PYRACLOSTROBIN	0	0	0	0	0	0	0	0	0	156,150	495,107
PYRIPROXYFEN	0	0	0	60,164	64,648	35,307	72,934	100,297	142,040	197,811	234,152
SODIUM BICARBONATE	0	0	0	0	0	8	0	0	0	0	100
SPINOSAD	0	0	0	128,313	384,192	541,190	680,424	694,687	731,544	806,260	858,714
TEBUFENOZIDE	0	32,418	14,449	28,620	53,705	52,379	387,464	399,966	348,320	523,303	125,362
THIAMETHOXAM	0	0	0	0	0	0	0	0	255,350	270,843	221,882
TRIFLOXYSTROBIN	0	0	0	0	0	0	198,588	201,521	278,530	312,257	255,432
XANTHINE	0	0	0	0	0	0	0	0	0	0	0
TOTAL	61	32,531	14,724	418,337	1,408,077	1,709,237	2,805,785	2,951,775	3,791,152	5,747,973	5,876,442



**Figure 7.** Use trends of reduced-risk pesticides. These active ingredients are contained in pesticide products that have been given reduced-risk status by U.S. EPA. Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



## USE TRENDS OF BIOPESTICIDES

**Table 10A.** The reported pounds of biopesticides applied in California. Biopesticides include microorganisms and naturally occurring compounds, or compounds essentially identical to naturally occurring compounds that are not toxic to the target pest (such as pheromones). Use includes both agricultural and non-agricultural applications. Zero values in early years likely indicate the pesticide was not yet registered for use. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
(E)-4-TRIDECEN-1-YL-ACETATE	3	12	140	76	65	67	263	182	247	254	131
(E)-5-DECENOL	0	12	71	737	176	246	5	2	2	295	5
(E)-5-DECENYL ACETATE	0	58	339	3,508	844	1,183	26	9	12	889	23
(R,Z)-5-(1-DECENYL) DIHYDRO-2-(3H)-FURANONE	0	<1	0	0	<1	0	<1	0	0	0	<1
(S)-KINOPRENE	11	18	137	121	1,274	357	245	311	326	417	358
(Z)-11-HEXADECEN-1-YL-ACETATE	0	0	0	0	0	0	0	0	35	10	10
(Z)-11-HEXADECENAL	0	0	0	0	0	0	0	0	35	10	10
(Z)-4-TRIDECEN-1-YL-ACETATE	<1	<1	4	2	2	2	9	6	8	8	4
(Z,E)-7,11-HEXADECADIEN-1-YL-ACETATE	3	29	2	1	46	229	3	13	2	3	0
(Z,Z)-7,11-HEXADECADIEN-1-YL-ACETATE	3	2	2	1	46	242	3	<1	3	3	0
1-DECANOL	1	1	1	<1	<1	<1	<1	<1	0	0	0
1-METHYLCYCLOPROPENE	0	0	0	0	0	0	0	<1	<1	<1	<1
1-NAPHTHALENEACETAMIDE	72	54	99	115	283	333	217	213	88	119	113
ACETIC ACID	<1	0	0	0	0	0	0	0	0	<1	<1
AGROBACTERIUM RADIOBACTER	4	6	14	28	20	7	2	1	4	3	2
AGROBACTERIUM RADIOBACTER, STRAIN K1026	0	0	0	0	0	0	<1	<1	1	<1	<1
ALLYL ISOTHIOCYANATE	0	0	0	<1	0	0	<1	<1	<1	<1	<1
AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	0	0	0	0	0	1	<1	1	1	0	0
AMPELOMYCES QUISQUALIS	0	<1	3	9	40	4	4	2	<1	<1	<1
AZADIRACTIN	71	558	812	840	653	16,764	1,234	1,536	1,483	1,366	2,915
BACILLUS PUMILUS, STRAIN QST 2808	0	0	0	0	0	0	0	0	0	<1	2
BACILLUS SPHAERICUS, SEROTYPE H-5A5B, STRAIN 2362	0	0	0	1,298	4,886	2,274	2,746	7,941	4,667	10,122	14,187
BACILLUS SUBTILIS GB03	0	0	0	<1	<1	<1	<1	1	4	5	7
BACILLUS THURINGIENSIS (BERLINER)	476	1,562	520	177	751	24	76	115	16	11	12
BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, GC-91 PROTEIN	1,936	5,115	6,520	7,406	4,273	3,017	4,419	3,953	3,972	5,024	4,088
BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, SEROTYPE H-7	4,935	8,050	10,145	14,210	10,854	10,427	9,065	5,540	5,881	7,548	3,014
BACILLUS THURINGIENSIS (BERLINER), SUBSP. ISRAELENIS, SEROTYPE H-14	4,619	6,827	4,059	4,423	12,963	5,038	88,039	24,795	9,778	17,335	13,725

**Table 10A (cont.).** The reported pounds of biopesticides applied in California.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI STRAIN SA-12	0	0	0	0	0	0	1,562	1,510	4,962	5,754	3,510
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, SEROTYPE 3A,3B	39,667	39,550	25,890	29,825	20,535	14,154	13,145	30,166	2,667	6,162	3,916
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG 2348	2,714	3,391	3,056	1,448	4,548	1,360	1,810	738	1,228	66	21
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG2371	7,042	7,466	3,468	2,752	1,633	213	139	58	19	39	2
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11	6,416	8,643	8,689	11,676	9,603	8,730	9,931	12,583	13,391	12,879	14,636
BACILLUS THURINGIENSIS (BERLINER), SUBSP. SAN DIEGO	10	1	3	26	8	34	18	8	1	2	1
BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI STRAIN BMP 123	0	0	0	0	6	1	33	79	164	130	10
BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7841	0	0	257	15,619	12,522	12,831	16,679	8,749	681	1,503	344
LEPIDOPTERAN ACTIVE TOXIN	0	0	0	0	0	0	<1	<1	0	<1	0
BACILLUS THURINGIENSIS VAR. KURSTAKI STRAIN M-200	0	0	0	0	0	0	<1	<1	0	<1	0
BACILLUS THURINGIENSIS VAR. KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7826	0	0	0	0	0	0	6,482	14,734	439	1,527	930
BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN ABTS-1857	0	0	0	0	0	0	0	0	0	21,956	27,075
BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN SD-1372, LEPIDOPTERAN ACTIVE TOXIN(S)	0	0	0	0	0	3	158	498	1,295	562	347
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	0	0	0	0	0	0	0	0	9,485	29,326	23,001
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN ABTS-351, FERMENTATION SOLIDS AND SOLUBLES	0	0	0	0	0	0	0	0	47	538	42,329
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN HD-1	0	0	<1	57	20,771	21,652	21,081	16,917	24,388	38,698	4,743
BACILLUS THURINGIENSIS, VAR. KURSTAKI DELTA ENDOTOXINS CRY 1A(C) AND CRY 1C (GENETICALLY ENGINEERED) ENCAPSULATED IN PSEUDOMONAS FLUORESCENS (KILLED)	0	0	3,663	29,895	12,634	8,048	7,146	2,211	258	54	5
BEAUVERIA BASSIANA STRAIN GH4	0	0	1	573	1,243	914	913	678	1,032	715	863
CANDIDA OLEOPHILA ISOLATE I-182	0	0	0	305	103	55	0	0	0	0	0
CANOLA OIL	0	0	0	0	0	0	1	5	<1	1	4
CAPSICUM OLEORESIN	220	19	46	2	17	104	3	73	4	5	49

**Table 10A (cont.).** The reported pounds of biopesticides applied in California.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
CASTOR OIL	4	<1	1	40	174	24	557	297	504	1,281	363
CINNAMALDEHYDE	0	0	0	<1	<1	6,764	10,332	4,704	806	238	326
CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL	0	0	3,196	13,792	55,005	94,569	111,246	83,800	73,345	60,429	84,880
CODLING MOTH GRANULOSIS VIRUS	0	321	0	0	0	0	0	0	0	0	0
CONIOTHYRIUM MINITANS STRAIN CON/M/91-08	0	0	0	0	0	0	0	0	103	182	198
CYTOKININ	0	<1	0	0	<1	0	<1	<1	0	<1	0
DIHYDRO-5-HEPTYL-2(3H)-FURANONE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
DIHYDRO-5-PENTYL-2(3H)-FURANONE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
E,E-8,10-DODECADIEN-1-OL	214	1,067	253	431	220	21,029	6,278	6,390	5,126	1,807	1,113
E-11-TETRADECEN-1-YL ACETATE	0	0	0	3	2	548	397	65	122	131	91
E-8-DODECENYL ACETATE	25	38	27	46	57	66	92	73	59	113	122
ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. KURSTAKI IN KILLED PSEUDOMONAS FLUORESCENS	14,341	14,535	30,809	43,815	35,129	28,435	17,904	6,913	3,174	445	114
ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. SAN DIEGO IN KILLED PSEUDOMONAS FLUORESCENS	0	7	13	0	34	1	6	1	6	0	2
ESSENTIAL OILS	1	<1	0	<1	11	<1	<1	<1	<1	<1	1
ETHYLENE	0	0	0	0	1	5,073	6	6	3	24	32
EUGENOL	0	<1	0	0	3	0	<1	0	0	0	3
FARNESOL	28	39	53	38	30	36	37	15	10	9	7
GAMMA AMINOBUTYRIC ACID	0	0	0	0	0	0	0	23	3,100	6,077	8,402
GARLIC	2,130	2,549	5,108	8,983	10,203	7,113	899	1,490	684	295	174
GERMAN COCKROACH PHEROMONE	0	0	0	0	0	0	0	0	<1	<1	<1
GIBBERELLINS	30,209	21,037	21,249	23,403	23,085	20,363	21,169	19,743	25,363	20,891	20,350
GIBBERELLINS, POTASSIUM SALT	3	9	<1	1	1	15	<1	1	<1	<1	1
GLIOCLADIUM VIRENS GL-21 (SPORES)	0	15	144	156	104	86	60	314	110	48	30
GLUTAMIC ACID	0	0	0	0	0	0	0	23	3,100	6,077	8,402
HYDROGEN PEROXIDE	0	0	0	0	1	15	82	1,754	2,705	2,595	2,795
HYDROPRENE	681	5,476	1,131	9,305	1,486	1,609	1,700	1,380	1,656	1,035	1,309
IBA	5	8	16	14	38	9	12	18	16	12	19
LAGENIDIUM GIGANTEUM (CALIFORNIA STRAIN)	87	151	<1	134	859	499	0	1	0	0	58
LAURYL ALCOHOL	120	580	85	207	111	7,287	486	302	249	243	295
LINALOOL	114	403	391	358	631	229	196	173	274	280	174

**Table 10A (cont.).** The reported pounds of biopesticides applied in California.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
METARHIZIUM ANISOPLIAE, VAR. ANISOPLIAE, STRAIN ESF1	1	1	<1	3	37	15	18	15	22	<1	<1
METHOPRENE (POST 1997 SEE CHEM CODE 5026)	3,027	8,822	3,213	29,905	1,796	10,285	14,303	2,484	5,121	7,874	8,802
METHYL ANTHRANILATE	0	0	6	184	49	57	50	37	85	34	534
METHYL SALICYLATE	<1	0	0	0	0	0	0	<1	0	0	0
MUSCALURE	4	4	3	4	2	5	9	4	1	11	10
MYRISTYL ALCOHOL	25	117	18	42	22	1,502	99	62	51	49	60
MYROTHECIUM VERRUCARIA, DRIED FERMENTATION SOLIDS & SOLUBLES, STRAIN AARC-0255	0	0	0	1,097	8,496	18,824	20,869	45,917	36,280	47,037	39,789
NAA	99	41	18	21	238	14	24	10	6	5	9
NEROLIDOL	23	32	43	31	24	29	30	12	8	7	6
NITROGEN, LIQUIFIED	577,181	540,335	423,124	430,214	1,003,749	424,897	391,469	478,466	561,505	319,550	79,369
NONANOIC ACID	0	4,250	11,787	14,713	11,729	13,303	12,517	14,890	11,559	7,765	7,224
NONANOIC ACID, OTHER RELATED	0	224	620	774	617	700	659	784	608	409	380
NOSEMA LOCUSTAE SPORES	0	0	0	<1	<1	<1	<1	<1	<1	<1	<1
OIL OF ANISE	<1	0	0	0	0	0	0	<1	<1	<1	<1
OIL OF CEDARWOOD	0	0	0	0	0	0	0	0	0	0	0
OIL OF CITRONELLA	1	1	0	13	5	11	1	33	0	10	0
OIL OF LEMONGRASS	1	<1	0	0	0	0	0	0	0	2	0
OIL OF MUSTARD	<1	<1	0	0	0	0	0	0	0	0	0
OXYPURINOL	0	0	0	0	0	0	<1	<1	0	0	0
PAECILOMYCES FUMOSOROSEUS APOPKA STRAIN 97	0	0	0	0	0	0	0	5	0	0	0
PERFUME	0	0	0	0	<1	<1	<1	<1	<1	<1	<1
POLY-D-GLUCOSAMINE	0	0	0	0	0	0	0	0	0	0	<1
POLYHEDRAL OCCLUSION BODIES (OB'S) OF THE NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA (CORN EARWORM)	0	0	0	0	0	0	0	0	0	1	1
POTASSIUM BICARBONATE	0	0	0	28	65,909	92,990	130,462	121,804	179,676	283,851	159,764
PROPYLENE GLYCOL	44,863	54,137	61,455	60,421	67,530	54,281	63,627	58,293	60,369	50,440	44,213
PSEUDOMONAS FLUORESCENS, STRAIN A506	<1	206	3,044	3,639	3,660	2,173	103	1,102	1,361	1,972	841
PSEUDOMONAS SYRINGAE STRAIN ESC-11	0	0	0	0	34	0	0	0	<1	0	20
PSEUDOMONAS SYRINGAE, STRAIN ESC-10	0	0	15	<1	<1	0	0	0	0	0	0
PUTRESCENT WHOLE EGG SOLIDS	234	19	7	15	19	136	112	140	168	186	110
QST 713 STRAIN OF DRIED BACILLUS SUBTILIS	0	0	0	0	0	0	882	7,201	18,869	17,324	16,619

**Table 10A (cont.).** *The reported pounds of biopesticides applied in California.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
S-METHOPRENE	67	77	127	1,806	2,651	409	371	365	863	761	525
SODIUM BICARBONATE	0	0	0	0	0	5	22	230	2,063	0	126
SODIUM LAURYL SULFATE	86	21	9	6	14	8	2	9	<1	<1	3
SOYBEAN OIL	42,462	98,625	25,969	26,656	16,748	59,695	41,901	27,743	31,726	33,006	50,301
STREPTOMYCES GRISEOVIRIDIS STRAIN K61	<1	21	1	2	5	2	7	2	1	1	<1
TRICHODERMA HARZIANUM RIFAI STRAIN KRL-AG2	0	0	65	39	60	121	125	116	55	35	37
XANTHINE	0	0	0	0	0	0	<1	<1	0	0	0
XANTHINE	0	0	0	0	0	0	<1	<1	0	0	0
Z,E-9,12-TETRADECADIEN-1-YL ACETATE	0	0	0	0	0	0	0	0	<1	0	0
Z-11-TETRADECEN-1-YL ACETATE	0	0	0	<1	<1	85	61	9	18	19	14
Z-8-DODECENOL	4	6	4	7	10	12	16	13	11	20	22
Z-8-DODECENYL ACETATE	435	659	447	777	888	1,009	1,436	1,127	908	1,737	1,874
Z-9-TETRADECEN-1-OL	0	0	0	0	0	0	0	0	<1	0	0
TOTAL	784,673	835,208	660,394	796,255	1,432,274	982,651	1,036,089	1,021,989	1,118,476	1,037,658	700,310

**Table 10B.** The reported cumulative acres treated in California with each biopesticide. Biopesticides includes microorganisms and naturally occurring compounds, or compounds essentially identical to naturally occurring compounds that are not toxic to the target pest (such as pheromones). Use includes primarily agricultural applications. The grand total for acres treated is less than the sum of acres for all active ingredients because some products contain more than one active ingredient. Zero values in early years likely indicate the pesticide was not yet registered for use. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
(E)-4-TRIDECEN-1-YL-ACETATE	70	706	5,428	3,574	2,886	3,132	12,571	9,159	11,739	10,902	5,555
(E)-5-DECENOL	0	725	1,434	2,187	1,414	1,034	784	1,316	1,206	1,360	809
(E)-5-DECENYL ACETATE	0	725	1,434	2,187	1,414	1,034	784	1,316	1,206	1,360	809
(R,Z)-5-(1-DECENYL) DIHYDRO-2-(3H)-FURANONE	0	0	0	0	1	0	0	0	0	0	15
(S)-KINOPRENE	55	44	341	179	2,610	888	600	847	869	754	1,864
(Z)-11-HEXADECEN-1-YL ACETATE	0	0	0	0	0	0	0	0	1,053	476	365
(Z)-11-HEXADECENAL	0	0	0	0	0	0	0	0	1,053	476	365
(Z)-4-TRIDECEN-1-YL-ACETATE	70	706	5,428	3,574	2,886	3,132	12,571	9,159	11,739	10,902	5,555
(Z,E)-7,11-HEXADECADIEN-1-YL ACETATE	588	5,535	2,295	279	82	148	171	128	87	38	0
(Z,Z)-7,11-HEXADECADIEN-1-YL ACETATE	588	2,120	2,295	279	82	148	171	128	87	38	0
1-DECANOL	0	0	0	0	0	0	0	0	0	0	0
1-METHYLCYCLOPROPENE	0	0	0	0	0	0	0	3	<1	9	4
1-NAPHTHALENEACETAMIDE	695	812	1,784	1,820	5,211	5,418	4,135	3,690	1,705	2,355	2,201
ACETIC ACID	23	0	0	0	0	0	0	0	0	734	290
AGROBACTERIUM RADIOBACTER	2,517	2,110	6,048	1,284	5,954	1,517	1,072	514	500	365	493
AGROBACTERIUM RADIOBACTER, STRAIN K1026	0	0	0	0	0	0	4	325	355	716	524
ALLYL ISOTHIOCYANATE	0	0	0	2	0	0	0	1	0	36	0
AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	0	0	0	0	75	142	1	6	10	0	0
AMPELOMYCES QUISQUALIS	0	366	4,566	18,628	15,039	8,363	7,156	2,193	540	332	697
AZADIRACTIN	5,630	51,215	76,386	70,086	64,239	103,078	71,362	73,876	92,133	79,478	64,488
BACILLUS PUMILUS, STRAIN QST 2808	0	0	0	0	0	0	0	0	0	1	4
BACILLUS SPHAERICUS, SEROTYPE H-5A5B, STRAIN 2362	0	0	0	104	84	39	0	0	0	0	0
BACILLUS SUBTILIS GB03	0	0	0	0	0	0	0	0	0	0	379
BACILLUS THURINGIENSIS (BERLINER)	18,412	12,305	7,377	6,109	4,437	301	533	644	535	2	441
BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, GC-91 PROTEIN	42,378	108,867	137,786	146,197	82,473	60,262	74,282	71,531	73,888	90,285	63,498

**Table 10B** (cont). The reported cumulative acres treated in California with each biopesticide.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, SEROTYPE H-7	46,069	68,505	84,793	109,951	86,430	85,564	65,923	41,378	45,129	54,037	24,160
BACILLUS THURINGIENSIS (BERLINER), SUBSP. ISRAELENIS, SEROTYPE H-14	1,761	738	3,357	4,289	5,242	3,221	2,434	1,964	4,907	14,525	11,189
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI STRAIN SA-12	0	0	0	0	0	0	9,474	11,773	43,337	54,540	28,485
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, SEROTYPE 3A,3B	400,394	574,228	435,707	486,699	342,525	249,709	245,114	141,868	56,866	65,664	69,454
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG 2348	16,675	27,972	22,742	11,590	22,097	9,280	11,891	5,818	8,214	384	93
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG2371	56,536	62,435	32,471	19,739	11,015	1,684	845	439	134	338	19
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11	104,848	134,225	139,051	175,772	161,858	152,834	143,643	174,400	180,617	158,413	123,786
BACILLUS THURINGIENSIS (BERLINER), SUBSP. SAN DIEGO	3	0	4	100	6	20	18	7	2	3	1
BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI STRAIN BMP 123	0	0	0	0	87	7	687	1,913	6,279	3,013	268
BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7841 LEPIDOPTERAN ACTIVE TOXIN	0	0	1,377	87,123	81,541	83,094	118,598	55,515	5,061	8,479	1,766
BACILLUS THURINGIENSIS VAR. KURSTAKI STRAIN M-200	0	0	0	0	0	0	2	0	0	1	0
BACILLUS THURINGIENSIS VAR. KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7826	0	0	0	0	0	0	30,603	76,935	2,571	8,493	6,457
BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN ABTS-1857	0	0	0	0	0	0	0	0	0	34,164	38,718
BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN SD-1372, LEPIDOPTERAN ACTIVE TOXIN(S)	0	0	0	0	0	32	1,561	4,718	10,656	4,989	3,465
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	0	0	0	0	0	0	0	0	5	1	3
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN ABTS-351, FERMENTATION SOLIDS AND SOLUBLES	0	0	0	0	0	0	0	0	1,310	924	84,404
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN HD-1	0	0	24	2,718	202,653	217,136	199,377	170,574	138,223	124,389	44,550



**Table 10B (cont).** The reported cumulative acres treated in California with each biopesticide.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
BACILLUS THURINGIENSIS, VAR. KURSTAKI DELTA ENDOTOXINS CRY 1A(C) AND CRY 1C (GENETICALLY ENGINEERED) ENCAPSULATED IN PSEUDOMONAS FLUORESCENS (KILLED)	0	0	6,387	43,741	23,196	14,779	14,698	4,622	546	111	7
BEAUVERIA BASSIANA STRAIN GH4	0	0	3	1,459	2,991	25,510	3,399	2,853	3,673	2,887	4,019
CANDIDA OLEOPHILA ISOLATE I-182	0	0	0	0	0	0	0	0	0	0	0
CANOLA OIL	0	0	0	0	0	0	2	2	2	2	<1
CAPSICUM OLEORESIN	1,055	1,048	582	443	2,762	1,799	261	254	149	318	379
CASTOR OIL	0	0	0	<1	0	<1	1	0	0	0	0
CINNAMALDEHYDE	0	0	0	<1	<1	2,418	4,136	1,534	295	105	137
CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL	0	0	7,526	13,537	22,092	45,247	49,142	36,602	34,133	38,314	51,009
CODLING MOTH GRANULOSIS VIRUS CONIOTHYRIUM MINUTANS STRAIN CON/M/91- 08	0	448	0	0	0	0	0	0	0	0	0
CYTOKININ	0	0	0	0	82	0	3	0	0	0	0
DIHYDRO-5-HEPTYL-2(3H)-FURANONE	0	0	0	20	0	0	0	0	0	0	0
DIHYDRO-5-PENTYL-2(3H)-FURANONE	0	0	0	20	0	0	0	0	0	0	0
E,E-8,10-DODECADIEN-1-OL	3,001	3,880	3,811	3,696	4,300	4,514	10,407	10,381	11,841	21,217	17,383
E-11-TETRADECEN-1-YL ACETATE	0	0	0	13	2,171	54,460	38,834	14,063	16,870	10,335	8,836
E-8-DODECENYL ACETATE	4,539	3,870	6,045	9,932	11,791	23,549	22,721	33,383	33,602	39,198	41,752
ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. KURSTAKI IN KILLED PSEUDOMONAS FLUORESCENS	34,056	35,755	69,222	96,678	83,238	59,905	32,372	15,188	7,525	1,160	143
ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. SAN DIEGO IN KILLED PSEUDOMONAS FLUORESCENS	0	4	1	0	19	7	6	4	<1	0	1
ESSENTIAL OILS	10	0	0	0	0	0	6	268	0	0	1
ETHYLENE	0	0	0	0	0	2	0	0	0	0	7
EUGENOL	0	0	0	0	1	0	0	0	0	0	15
FARNESOL	15,121	17,721	22,113	16,837	12,543	43,212	25,673	8,495	6,584	5,451	4,294
GAMMA AMINOBUTYRIC ACID	0	0	0	0	0	0	0	320	43,652	87,153	117,477
GARLIC	4,763	3,976	6,586	24,333	12,403	7,376	4,725	2,407	2,756	828	259
GERMAN COCKROACH PHEROMONE	0	0	0	0	0	0	0	0	0	0	0
GIBBERELLINS	414,837	440,001	416,073	455,572	487,195	439,529	464,750	387,488	423,330	430,988	414,075
GIBBERELLINS, POTASSIUM SALT	479	903	101	184	70	1,429	8	188	22	59	170

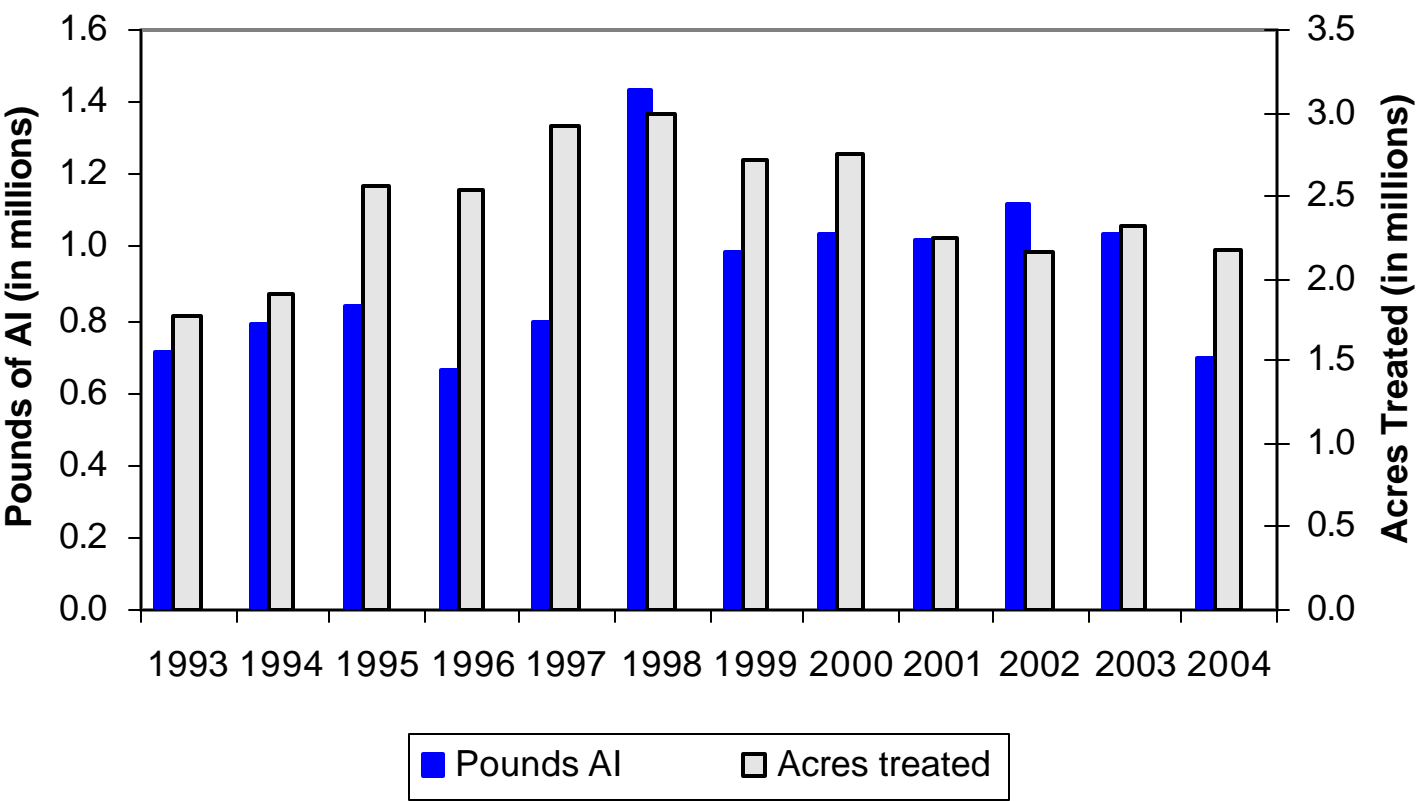
**Table 10B (cont).** The reported cumulative acres treated in California with each biopesticide.

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
GLIOCLADIUM VIRENS GL-21 (SPORES)	0	1	21	14	29	12	8	768	6	0	0
GLUTAMIC ACID	0	0	0	0	0	0	0	320	43,652	87,153	117,477
HYDROGEN PEROXIDE	0	0	0	0	0	5	21	485	633	802	1,057
HYDROPRENE	0	0	0	0	1	1	<1	1	0	0	<1
IBA	187	139	104	410	1,319	1,236	266	124	244	232	1,566
LAGENIDIUM GIGANTEUM (CALIFORNIA STRAIN)	0	0	<1	0	0	0	0	0	0	0	24
LAURYL ALCOHOL	2,807	3,028	1,798	2,858	2,886	2,666	8,038	6,429	4,635	4,791	6,009
LINALOOL	0	0	0	0	0	0	0	0	0	0	0
METARHIZIUM ANISOPLIAE, VAR. ANISOPLIAE, STRAIN ESF1	0	0	0	0	0	0	0	0	0	0	0
METHOPRENE (POST 1997 SEE CHEM CODE 5026)	35	86	65	11	23	58	38	50	0	359	1
METHYL ANTHRANILATE	0	0	0	0	0	0	0	0	81	56	1,458
METHYL SALICYLATE	0	0	0	0	0	0	0	0	0	0	0
MUSCALURE	361	794	1,439	699	979	292	435	189	121	2,283	307
MYRISTYL ALCOHOL	2,807	3,028	1,798	2,858	2,886	2,666	8,038	6,429	4,635	4,791	6,009
MYROTHECIUM VERRUCARIA, DRIED FERMENTATION SOLIDS & SOLUBLES, STRAIN AARC-0255	0	0	0	104	1,514	3,348	3,173	4,392	3,926	4,390	8,348
NAA	28	33	41	364	542	788	172	102	72	75	1,096
NEROLIDOL	15,121	17,721	22,113	16,837	12,543	43,212	25,673	8,495	6,584	5,451	4,294
NITROGEN, LIQUIFIED	0	0	0	0	0	0	0	0	0	0	0
NONANOIC ACID	0	674	518	294	645	573	496	495	443	446	1,075
NONANOIC ACID, OTHER RELATED	0	674	518	294	645	573	496	495	443	446	1,075
NOSEMA LOCUSTAE SPORES	0	0	0	0	7	14	2	9	0	35	37
OIL OF ANISE	0	0	0	0	0	0	0	0	0	0	0
OIL OF CEDARWOOD	0	0	0	0	0	0	0	0	0	0	0
OIL OF CITRONELLA	0	0	0	6	80	24	1	0	0	0	0
OIL OF LEMONGRASS	0	0	0	0	0	0	0	0	0	36	0
OIL OF MUSTARD	0	0	0	0	0	0	0	0	0	0	0
OXYPURINOL	0	0	0	0	0	0	0	0	0	0	0
PAECILOMYCES FUMOSOROSEUS APOPKA STRAIN 97	0	0	0	0	0	0	0	13	0	0	0
PERFUME	0	0	0	0	0	0	70	0	0	0	0
POLY-D-GLUCOSAMINE	0	0	0	0	0	0	0	0	0	0	<1

**Table 10B (cont).** *The reported cumulative acres treated in California with each biopesticide.*

AI	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
POLYHEDRAL OCCLUSION BODIES (OB'S) OF THE NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA (CORN EARWORM)	0	0	0	0	0	0	0	0	0	293	742
POTASSIUM BICARBONATE	0	0	0	11	34,010	52,110	60,330	52,654	73,894	106,955	64,957
PROPYLENE GLYCOL	662,069	901,000	1,008,762	1,053,200	1,147,506	924,156	998,115	780,442	726,172	763,911	777,977
PSEUDOMONAS FLUORESCENS, STRAIN A506	8	990	16,951	26,617	29,656	15,760	1,443	11,668	13,126	16,945	6,559
PSEUDOMONAS SYRINGAE STRAIN ESC-11	0	0	0	0	17	0	0	0	0	0	0
PSEUDOMONAS SYRINGAE, STRAIN ESC-10	0	0	0	0	0	0	0	0	0	0	0
PUTRESCENT WHOLE EGG SOLIDS	1,047	68	0	0	0	0	0	0	0	0	0
QST 713 STRAIN OF DRIED BACILLUS SUBTILIS	0	0	0	0	0	0	2,154	15,205	40,573	54,553	58,871
S-METHOPRENE	0	0	0	0	505	<1	567	951	166	21	49
SODIUM BICARBONATE	0	0	0	0	0	8	0	0	0	0	100
SODIUM LAURYL SULFATE	0	<1	0	0	48	0	16	0	29	0	0
SOYBEAN OIL	64,450	86,291	16,839	22,476	10,427	13,609	12,837	11,254	18,627	15,359	9,870
STREPTOMYCES GRISEOVIRIDIS STRAIN K61	<1	13	20	115	34	27	83	50	17	14	5
TRICHODERMA HARZIANUM RIFAI STRAIN KRL-AG2	0	0	<1	69	369	456	885	1,048	293	466	833
XANTHINE	0	0	0	0	0	0	0	0	0	0	0
Z,E-9,12-TETRADECADIEN-1-YL ACETATE	0	0	0	0	0	0	0	0	13	0	0
Z-11-TETRADECEN-1-YL ACETATE	0	0	0	13	2,171	54,460	38,834	14,063	16,870	10,335	8,836
Z-8-DODECENOL	4,539	3,870	6,045	9,932	11,791	23,549	22,721	33,383	33,602	39,198	41,752
Z-8-DODECENYL ACETATE	4,539	3,870	6,045	9,932	11,791	23,549	22,721	33,383	33,602	39,198	41,752
Z-9-TETRADECEN-1-OL	0	0	0	0	0	0	0	0	13	0	0
TOTAL	1,902,581	2,548,349	2,546,057	2,918,903	2,989,986	2,722,302	2,754,925	2,249,363	2,152,211	2,326,799	2,174,001

**Figure 8.** Use trends of biopesticides. Biopesticides include microorganisms and naturally occurring compounds, or compounds essentially identical to naturally occurring compounds that are not toxic to the target pest (such as pheromones). Reported pounds of active ingredient (AI) applied include both agricultural and reportable non-agricultural applications. The reported cumulative acres treated include primarily agricultural applications. Data are from the Department of Pesticide Regulation's Pesticide Use Reports.



## **V. TRENDS IN PESTICIDE USE IN CERTAIN COMMODITIES**

This summary describes possible reasons for changes in pesticide use from 2003 to 2004 for the following commodities: (1) cotton, (2) almonds, (3) wine grapes, (4) table and raisin grapes, (5) alfalfa, (6) rice, (7) processing tomatoes, (8) oranges, (9) head lettuce, (10) peaches and nectarines, (11) strawberries, and (12) carrots. These 12 commodities were chosen because they were treated with more than 5 million pounds of active ingredients (AI) or cumulatively treated on more than 2 million acres, which represents about 70 percent of all reported pesticide use in 2004.

Information used to develop this section was drawn from several publications and phone interviews with pest control advisors, growers, University of California Cooperative Extension farm advisors and specialists, researchers, and commodity association representatives. The information collected was analyzed by DPR staff, using their extensive knowledge of pesticides, California agriculture, and pest management practices to draw conclusions about possible reasons for changes in pesticide use. Thus these explanations are based on anecdotal information, not rigorous statistical analyses.

Reported pesticide use in California in 2004 totaled 180 million pounds, an increase of 5.1 million pounds from 2003 (3 percent increase). The AIs with the largest uses by pounds were sulfur, petroleum oils, metam-sodium, mineral oil, and 1,3-dichloropropene (1,3-D). Sulfur use increased by 783,000 pounds (1.5 percent) and was the most highly used non-adjuvant pesticide in 2004, both in pounds applied and acres treated. By pounds, sulfur accounted for 30 percent of all reported pesticide use. Sulfur is a natural fungicide favored by both conventional and organic farmers. Petroleum oil use decreased by 1.5 million pounds (-8.7 percent), metam sodium use decreased by 132,000 pounds (-0.9 percent), mineral oil use increased by 2.8 million pounds (44 percent), and 1,3-D use increased by 1.9 million pounds (28 percent).

DPR data analyses have shown that pesticide use varies from year to year depending upon pest problems, weather, acreage and types of crops planted, economics, and other factors. In general, weather in 2004 was good for crop production. In particular spring was warm and dry so diseases of many crops were low and therefore fungicide use was less in 2004 than in 2003. Pounds applied and acres treated of most of the other major pesticide types increased, except for a decrease in acres treated with insecticides. Herbicide use increased partly because a wet winter promoted the growth of weeds. The hot dry summer was conducive to mite buildups, so miticide use increased.

A dramatic increase occurred in the use of some newer, reduced-risk pesticides such as spinosad, acetamiprid, pyraclostrobin, methoxyfenozide, carfentrazone-ethyl, and boscalid. Prices for most of the 12 crops improved in 2004, which may have also been an incentive to use more pesticides to protect valuable crops.

Sulfur was used mostly to control powdery mildew on grapes; use increased just slightly from 2003 to 2004. Oils and the fumigant 1,3-D had the largest increase in pounds; both increased by 1.9 million pounds. Oils were used mostly on almonds and oranges and use of oils increased over 20 percent in both crops. Oils are low risk pesticides used mostly to control insects and mites. 1,3-D was used mostly on strawberries, carrots, and almonds.

Different pesticides are used at different rates. In California, most pesticides are applied at rates of around 1 to 2 pounds per acre. However, fumigants are usually applied at rates of hundreds of pounds per acre. Thus, comparing use by pounds will emphasize fumigants. Comparing use among different pesticides using acres treated gives a different picture.

By acres treated, the non-adjuvant pesticides with the greatest use in 2004 were sulfur, glyphosate, oxyfluorfen, paraquat dichloride, chlorpyrifos, and abamectin. Use of all of these pesticides, except for chlorpyrifos, increased. Most of the increase in total acres treated was from increased use of glyphosate, oxyfluorfen, and abamectin. Glyphosate was used mostly on rights of way, almond, cotton, landscape maintenance, and wine grapes. Glyphosate use on cotton and almonds increased from 2003 to 2004, because of a trend toward more use of postemergence herbicides and because it is less costly than other herbicides. On cotton, glyphosate use also increased because of increased acreage of varieties genetically engineered to be tolerant to glyphosate. Oxyfluorfen is often applied with glyphosate. Use of abamectin, a miticide, increased because of greater problems with mites in 2004.

Use is given by pounds of AI applied and by acres treated. Acres treated means the cumulative number of acres treated; the acres treated in each application are summed even when the same field is sprayed more than once in a year. (For example, if one acre is treated three times in a season with an individual AI, it is counted as three acres treated).

## Cotton

Cotton is grown for fiber, oil, and animal feed and is one of the most widely grown crops in California. Cotton acres planted increased by 11 percent from 2003 to 2004. Two main kinds of cotton are grown: upland and Pima. Most cotton acreage is in upland cotton, but a greater percentage of Pima cotton was planted in 2004 than in 2003. Most cotton is grown in the southern San Joaquin Valley, but a small percentage is grown in Imperial and Riverside counties and several counties in the Sacramento Valley.

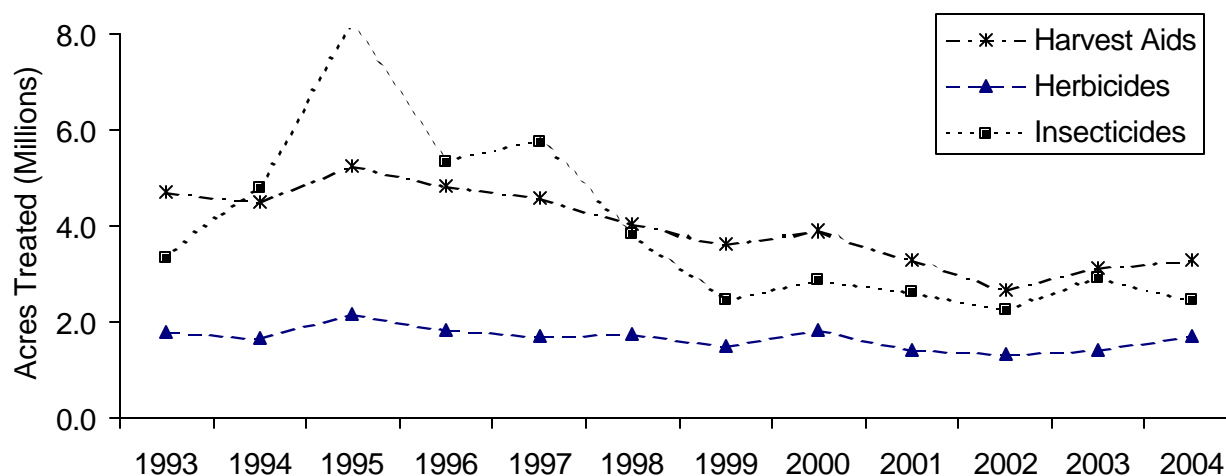
**Table 11A.** Total reported pounds of all active ingredients (AIs), acres treated, acres planted, and prices for cotton each year from 2000 to 2004. Planted acres from 2000 to 2003 are from CASS, October 2004; planted acres in 2004 are from CASS, January 2005; marketing year average prices from 2000 to 2004 are from NASS, July 2001, July 2002, July 2003, July 2004, and July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	9,359,879	8,127,020	7,157,764	7,141,281	7,150,897
<b>Acres Treated</b>	11,685,798	9,632,312	8,298,784	10,467,430	10,422,661
<b>Acres Planted Upland Cotton</b>	775,000	630,000	480,000	550,000	560,000
<b>Acres Planted Pima Cotton</b>	145,000	240,000	210,000	150,000	215,000
<b>Acres Planted Total</b>	920,000	870,000	690,000	700,000	775,000
<b>Price Upland \$/lbs</b>	\$0.520	\$0.416	\$0.573	\$0.745	\$0.555
<b>Price Pima \$/lbs</b>	\$1.010	\$0.856	\$0.860	\$1.230	\$1.010
<b>Acres Roundup-Ready</b>			175,000	220,000	330,400
<b>% Roundup-Ready</b>			25	31	43

**Table 11B.** *Percent difference from previous year for reported pounds of all AIs, acres treated, acres planted, and prices for cotton from 2000 to 2004.*

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	10	-13	-12	0	0
<b>Acres Treated</b>	15	-18	-14	26	0
<b>Acres Planted Upland Cotton</b>	27	-19	-24	15	2
<b>Acres Planted Pima Cotton</b>	-40	66	-13	-29	43
<b>Acres Planted Total</b>	8	-5	-21	1	11
<b>Price Upland \$/lbs</b>	-7	-20	38	30	-26
<b>Price Pima \$/lbs</b>	19	-15	0	43	-18
<b>Acres Roundup-Ready</b>				26	50

**Figure 9.** *Acres of cotton treated by all AIs in the major types of pesticides from 1993 to 2004.*



Although cotton acreage increased by 11 percent from 2003 to 2004, total pesticide use in pounds of AI and acres treated remained nearly the same; thus pesticide use per acre planted decreased. The decrease in pesticide use was mostly from insecticides, which decreased by 16 percent in acres treated; use of both harvest aids and herbicides increased by 6 percent and 21 percent respectively. The decrease in insecticides was due mostly to decreases in indoxacarb, tebufenozide, and chlorpyrifos. This decrease occurred in Fresno and Merced counties; in all other counties use increased.

The decrease in pounds in pesticide use statewide in cotton was mostly from decreases in sodium chlorate, which is a harvest aid used at a high rate. Other pesticides with large decreases in pounds were chlorpyrifos, sulfur, S,S,S-tributyl phosphorotrithioate, and naled.

In 2004, weather conditions for cotton production were generally good to excellent. Cotton harvest started earlier than normal and yields in most areas were good, but October rain caused some reduction in yields and cotton lint quality in fields not yet harvested. Arthropod pressure was generally low in most areas in 2004. However, spider mites caused some damage mid and late season in some areas. Lygus populations were low compared to most years; however, some problems occurred in a few areas in July and August. Although aphid populations were widespread, populations were not large enough to cause problems except in a few areas. After some early damage from beet armyworms and other lepidopteran pests, very little additional

damage occurred. The primary pest problems from July to September were silverleaf whiteflies, which have continued to expand their distribution from previous years. According to the Beltwide Cotton Crop Loss Data, the main arthropod pest treated was mites, followed by silverleaf whitefly, aphids, lygus, and beet armyworm. Growers treated more for mites in 2004 than 2003 and slightly more for whiteflies in 2004, but they treated less for the other pests.

Total insecticide use by acres treated has been decreasing in 1990s: from 2003 to 2004 acres treated with insecticides decreased by 16 percent and pounds insecticide decreased by 7 percent. By acres treated, the major insecticides in cotton in 2004 were acetamiprid, abamectin, chlorpyrifos, aldicarb, and thiamethoxam. A little over one half of the major insecticides decreased in use from 2003 to 2004. By pounds the insecticide with the largest decrease was chlorpyrifos, used mostly for aphids and whiteflies. By acres treated, most of the decreases in insecticides were from indoxacarb and tebufenozide, used mostly for beet armyworm and other lepidopteran pests. Other insecticides with large decreases in pounds or acres treated were thiamethoxam, imidacloprid, naled, and aldicarb. The insecticides with the largest increases in use by pounds were dicofol and propargite, used for mites; by acres treated the largest increase was acetamiprid, used mostly for aphids and whiteflies. Other major insecticides that increased in pounds or acres treated were buprofezin, pyriproxyfen, oxamyl, endosulfan, methoxyfenozide, and abamectin.

The increased pressure from spider mites would explain the increase in use of miticides such as dicofol, propargite, and abamectin. The increased whitefly numbers could partly explain increased use of acetamiprid, buprofezin, and pyriproxyfen. Also, all three of these AIs are fairly new, low risk AIs and are probably replacing use of chlorpyrifos. Use of the low risk pesticides indoxacarb and tebufenozide declined probably because of fewer problems with beet armyworms and lygus.

Throughout the 1990s, herbicide use by acres treated fluctuated from year to year between -22 percent to +30 percent; it increased by 22 percent from 2003 to 2004. By acres treated the major herbicides were glyphosate, trifluralin, oxyfluorfen, pendimethalin, and pyriproxyfen-sodium. Use of all of these herbicides increased from 2003 to 2004; only a few other herbicides had decreased use and then only by small amounts. Another herbicide, carfentrazone-ethyl, had twice the use in 2004 as 2003, when it was first used. Glyphosate had the largest increase in use, increasing by 22 percent from 2003 to 2004. It has become the most widely used herbicide in cotton production in recent years, used on more than twice as many acres from 2001 to 2004 as trifluralin, the next most widely-used herbicide.

Glyphosate is effective against many annual and perennial weeds that occur in California cotton fields. It can be used as an early over-the-top herbicide with Roundup-Ready cotton varieties (which are genetically engineered to be resistant to the herbicide glyphosate), or with hooded sprayers for a longer application window. Although it does not offer complete control, it can be an effective material for use in managing annual morningglory, nutsedge, and field bindweed, which continue to be problem weeds affecting an expanding acreage. It can be used as a harvest aid, particularly when late season weeds are also a problem; however, this use has been quite limited to date. It has replaced some other herbicides because of increased acreage of Roundup-Ready cotton.



The increased use of herbicides from 2003 to 2004 may have been due to the increased weed pressure, the result of a wetter than normal winter. Glyphosate use has increased because 59 percent of our Upland cotton is Roundup-Ready. The increased use of carfentrazone-ethyl is most likely because it was first registered late in 2003—growers had little chance to use it then—and they did not know much about the product. In 2004 they became aware of its use as a post directed herbicide, as well as a defoliant, so use increased.

Use of defoliants as harvest aids decreased nearly every year from 1995 to 2002. Although use by pounds also decreased from 2002 to 2004, use by acres treated increased from 2002 to 2004. Use by pounds decreased primarily from decreased use of sodium chlorate, which is used at a high rate. However, the increase in acres treated by harvest aids was slightly less than the increase in cotton acres planted. By acres treated, the major plant growth regulator was mepiquat dichloride; and the major harvest aids used were ethephon, thidiazuron, diuron (diuron and thidiazuron are mostly applied together), paraquat dichloride, and sodium chlorate.

Of the top 10 harvest aids and plant growth regulators, five increased and five decreased in use. Most of the decrease in pounds was due to decrease of sodium chlorate. The largest increase in acres treated was pyraflufen-ethyl, which was first used in 2004. Use of the plant growth regulator (also a harvest aid) mepiquat chloride, which is used mid-season for vegetative growth management, had a large decrease from 2003 to 2004. The use of and perceived need for plant growth regulators such as mepiquat chloride is strongly influenced by both weather conditions and early insect problems that cause fruit loss, both of which can affect relative levels of vegetative growth versus fruit retention and growth. Environmental and plant conditions in 2004 were generally good especially compared to last year when conditions favored late vegetative growth which required more use of mepiquat chloride.

## Almonds

Almonds are California's largest tree nut crop in total dollar value and acreage. They are the largest horticultural export from the United States. Approximately 6,000 almond growers produce nearly 100 percent of the commercial domestic supply and more than 75 percent of worldwide production. Nearly 80 countries import California almonds. The United States is by far the largest market for almonds; overseas, Germany is the largest market for almonds, consuming about 16 percent of the export crop, followed by Spain at about 15 percent. Other major importers include the Netherlands, Japan, France, the United Kingdom, Canada, India, and China. The Pacific Rim nations are a rapidly growing market for California almonds.

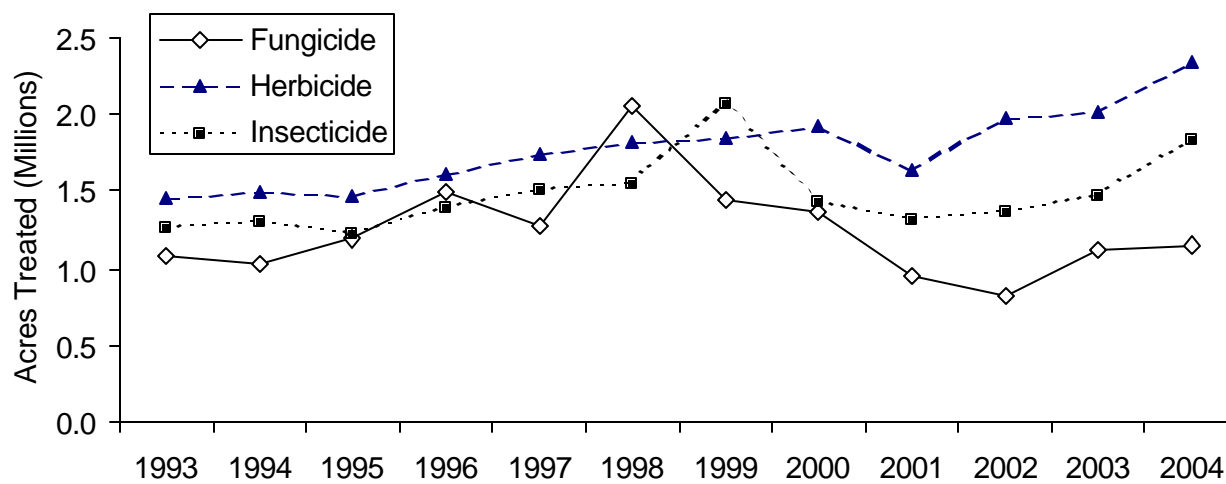
**Table 12A.** Total reported pounds of all AIs, acres treated, bearing acres, and prices for almonds each year from 2000 to 2004. Bearing acres from 2000 to 2003 are from CASS, October 2004; bearing acres in 2004 are from NASS, July 2005; all marketing year average prices are from NASS, July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	11,637,568	10,161,186	11,935,261	13,374,188	16,197,969
<b>Acres Treated</b>	7,213,842	5,049,101	5,441,005	6,367,669	7,363,704
<b>Acres Bearing</b>	510,000	530,000	545,000	550,000	550,000
<b>Price \$/lb</b>	\$0.97	\$0.91	\$1.11	\$1.57	\$2.21

**Table 12B.** Percent difference from previous year for reported pounds of all AIs, acres treated, bearing acres, and prices for almonds from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-22	-13	17	12	21
<b>Acres Treated</b>	-3	-30	8	17	16
<b>Acres Bearing</b>	5	4	3	1	0
<b>Price \$/lb</b>	13	-6	22	41	41

**Figure 10.** Acres of almonds treated by all AIs in the major types of pesticides from 1993 to 2004.



After a decline in almond pesticide use (pounds AI and acres treated) from 1998 to 2001, use increased from 2001 to 2004. From 2003 to 2004 use increased—by 21 percent as pounds AI and by 16 percent as acres treated. The rate of insecticide use (i.e., pounds AI per acre) increased by 27 percent, of herbicide use by 22 percent, and of fumigant use by 13 percent. Use in pounds of fungicides showed a slight decrease of 7 percent. Lambda-cyhalothrin, fosetyl-aluminum, bifentazate, carbaryl and hexythiazox showed the largest percent increases in acres treated between 2003 and 2004. The largest percent decreases in use in pounds were for azinphos-methyl, copper ammonium complex, tebufenozide, thiophanate, and chlorophacinone.

In 2004, the major insecticides used (by acres treated) were abamectin, petroleum oil (unclassified), mineral oil, chlorpyrifos and esfenvalerate; the major fungicides were cyprodinil, iprodione, copper hydroxide, and azoxystrobin; the major herbicides used were glyphosate, oxyfluorfen, paraquat dichloride, simazine, and 2,4-D, and the major fumigants used were aluminum phosphide, methyl bromide, and 1,3-dichloropropene (1,3-D).

Different factors play a role in understanding pesticide use trends. The most significant current almond industry trend is the increase in planted acreage. Almond growers report thousands of new acres being planted. Yet, until more technologically sophisticated methods of surveying acreage are employed, available objective data may lag behind actual new acreage. New acreage makes increased treated acres more likely, particularly in the case of a one-time application of a preplant fumigant. Another significant change within the almond industry is a shift from older, more broad spectrum pesticides to newer, reduced-risk compounds.

The 2004 crop was a little larger than 2003 and the price for almonds remains good. The fact that many growers had reduced pesticide applications for several years and were anticipating a more valuable crop may explain, in part, why some growers chose to put on applications to be sure to protect the more valuable 2004 crop. Generally, in a good year growers are more inclined to treat with pesticides to protect the crop, thereby increasing the number of applications.

Growers in the northern growing region used winter sanitation to reduce over-wintering populations of navel orangeworm. Generally, growers in the central and southern region checked for mummies and, if numbers were high, they used a winter sanitation program to help reduce the over-wintering population. In some regions, the combination of just enough mummy nuts missed and the mild winter significantly increased the reject potential. Wet weather was not particularly a problem affecting production. Bloom was a little late, which could explain the increased use of chlorothalonil to control anthracnose. A record-breaking heat wave in the spring set up optimum conditions for mite problems later in the season.

A hot, dry summer resulted in increased pressure from key insect pests. Mites continued to be a problem as evidenced by the increased use of materials such as abamectin, bifenazate and hexythiazox. Growers, particularly in the south tended to shift away from propargite to newer materials that are more effective. Peach twig borer was a concern resulting in an increase in applications. Use of phosmet increased significantly over azinphos- methyl. Use of the reduced-risk material spinosad to control peach twig borer increased in 2004, while use of tebufenozid decreased. Timing of sprays is critical for mid-season navel orange worm control. Use at hull-split could explain the increased use of chlorpyrifos and esfenvalerate for both peach twig borer and navel orange worm. Early harvest was practiced, particularly in the south to help prevent late season problems with navel orange worm. Oriental fruit moth was not particularly a problem in 2004. Ant damage was not as much of a problem in 2004 as it was in 2002 and 2003. Use of both pyriproxyfen and chlorpyrifos increased which could be due, in part, to their use to manage ants.

The use of glyphosate and paraquat dichloride was up in 2004. Many growers prefer to use contact herbicides as strip sprays, resulting in increased use. The use of oxyfluorfen also increased. Growers used the material at a low rate to take advantage of its contact action as a boost for glyphosate. The increased use of oryzalin was more than likely due to the fact that the material was available again after being in short supply.

The use of the fumigants methyl bromide and 1,3-D were slightly higher in 2004 compared to 2003. This increase could be attributed to a one-time treatment on newly planted and replanted almond acres. The increase in use of aluminum phosphide would be partly due to increased production.

## **Wine grapes**

California has four major wine grape production regions: 1) North Coast (Lake, Mendocino, Napa, and Sonoma counties); 2) Central Coast (Alameda, Monterey, San Luis Obispo, Santa Barbara, San Benito, Santa Cruz, and Santa Clara counties); 3) Northern San Joaquin Valley (San Joaquin, Calaveras, Amador, Sacramento, Merced, Stanislaus, and Yolo counties); and 4) Southern San Joaquin Valley (Fresno, Kings, Tulare, Kern, and Madera counties). Each region has distinct climatic and topographic characteristics that lead to different pest types, pest

pressures, and cultural and pest management practices. From 2003 to 2004, wine grape acreage decreased 3 percent and prices increased 8 percent.

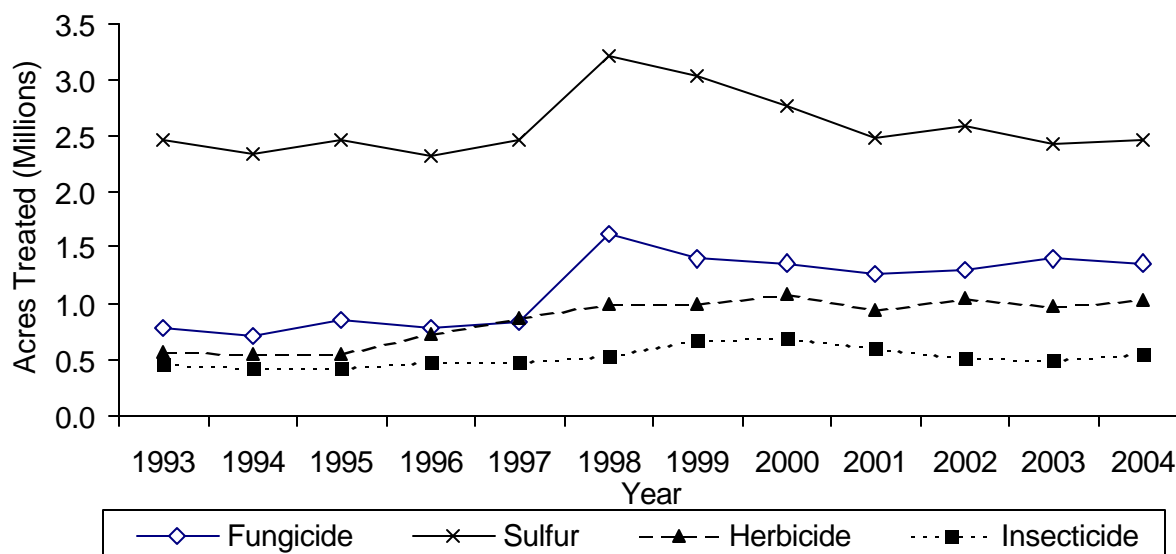
**Table 13A.** Total reported pounds of all AIs, acres treated, acres planted, and prices for wine grapes each year from 2000 to 2004. Planted acres from 2000 to 2003 are from CASS, October 2004; planted acres in 2004 are from CASS, March 2005; all marketing year average prices are from NASS, July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	27,615,039	22,780,016	24,110,830	23,464,001	23,800,655
<b>Acres Treated</b>	6,995,285	6,450,654	6,661,166	6,634,578	6,569,139
<b>Acres Planted</b>	568,000	570,000	556,000	529,000	513,000
<b>Price \$/ton</b>	\$567.00	\$597.00	\$535.00	\$530.00	\$570.00

**Table 13B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres planted, and prices for wine grapes from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-10	-18	6	-3	1
<b>Acres Treated</b>	-3	-8	3	0	-1
<b>Acres Planted</b>	3	0	-2	-5	-3
<b>Price \$/ton</b>	-3	5	-10	-1	8

**Figure 11.** Acres of wine grapes treated by all AIs in the major types of pesticides from 1993 to 2004.



The major fungicides by wine grape acres treated in 2004 were sulfur, myclobutanil, copper hydroxide, trifloxystrobin, and tebuconazole. The major insecticides and miticides were imidacloprid, petroleum distillates, methoxyfenozide, fenpropathrin, and bifenazate. The major herbicides were glyphosate, oxyfluorfen, paraquat, simazine, and oryzalin. Pesticides with large percentage increases in use by weight of AI. in 2004 include petroleum distillates together with other insecticidal and miticidal oils, chlorpyrifos, fenpropathrin, and bifenazate; the herbicides oxyfluorfen, trifluralin, and 2,4-D; and the fumigant 1,3-D. Pesticides with a large decrease in

use by weight include the fungicides potassium bicarbonate, mancozeb, cyprodinil, and triflumizole; and the fumigants methyl bromide and metam-sodium.

In 2004, the major factors influencing changes in pesticide use included weather and pest pressures (which varied by region), competition from newer products, application restrictions, efforts by growers to reduce costs, and increasing emphasis on sustainable farming.

Most fungicide applications were for control of powdery mildew. Sulfur use was nearly stable. Total use of other fungicides decreased by weight of AI, however, by about 29 percent from 2003 to 2004. The year 2003 was wet, and fungus infections were severe. In contrast, spring 2004 was exceptionally warm and dry, followed by warm summer temperatures. Disease pressure was low except on the Central Coast, where heavy winter rainfall caused severe fungus problems. Grape maturity and harvest came early. Certain fungicides in specific regions bucked the overall reduced-use trend. Application of lime-sulfur, which is applied to suppress overwintering inoculum of several fungal diseases including powdery mildew, Phomopsis, and canker diseases, increased in the North and Central Coast regions. This might have been an attempt to reduce problems associated with the year before. In addition, the early harvest may have led to lime-sulfur application in November/December, rather than in January/February of 2005. Triflumizole use, though not extensive, increased in the northern San Joaquin Valley. This may have been due in part to an increased preference for liquid fungicides because of a lengthened preharvest interval for sulfur.

Insecticide and miticide use increased substantially by weight of AI from 2003 to 2004, perhaps partly because oils have many attractive, broad-spectrum properties and are low-risk. They can replace a surfactant and eradicate mildew growth, as well as suppressing mites and insects such as grape leafhoppers. Oils are increasingly mixed with fungicides. Infestations of the vine mealybug, a relatively new and extremely serious pest that is tended by ants, were detected in all the major wine grape regions in late 2003 and 2004. Programs for vine mealybug eradication in regions with low populations account for the increased use of chlorpyrifos, which is one of very few control options. Use of the insecticide fenpropathrin decreased by almost half in the North Coast region but increased overall, perhaps due to omnivorous leafroller infestations in the Central Valley. The San Joaquin Valley had a bad mite year in 2004 because of the warm, dry spring. Use of the selective miticide bifenazate increased except on the coast, where conditions were favorable for natural predators and mite pressure was low compared to 2003. Bifenazate is an alternative to older, higher-risk products with longer worker re-entry periods.

Herbicide use increased roughly 8 percent by weight of AI from 2003 to 2004. Higher wine grape prices relaxed cost-cutting pressures somewhat. Postemergent applications of oxyfluorfen and 2,4-D may have increased partly for that reason. Pre-emergence herbicides such as trifluralin, used in strips under the vine row, can be economical and useful for residual control and control of weeds tolerant to glyphosate. Trifluralin, available in inexpensive generic products, is generally not used on the North Coast because heavy soils there do not allow herbicide incorporation; nor was it much used on the Central Coast. Applications jumped in the San Joaquin Valley, however.

Fumigants are usually applied to soil before vineyards are replanted, so trends in overall preharvest fumigant use reflect planting trends. In 2004, increased application of 1,3 D in the Central Coast and Northern San Joaquin Valley regions raised total fumigant use in wine grapes

over 25 percent by weight of AI. That fumigant is used to reduce nematode populations and is well suited to nematode control in sandier soils and dry conditions. Except for increased application in the Northern San Joaquin Valley, use of the general purpose fumigant methyl bromide declined in line with regulatory moves to phase it out. Therefore fumigant use patterns also reflect growers' choice of methyl bromide alternatives. A substantial decline in metam-sodium application in the Northern San Joaquin Valley accounts for the large decrease in its overall use. No metam-sodium applications were reported from the Central Coast or southern San Joaquin Valley regions, and its use on the North Coast was insignificant. Use of sodium tetrathiocarbonate, which kills nematodes, phylloxera, and root rots, was greater on the North Coast and in the Southern San Joaquin Valley in 2004, but decreased on the Central Coast. It was not used at all in the northern San Joaquin Valley in 2004.

### Table grapes and raisins

Commercial production of table grapes is centered in the southern San Joaquin Valley. The Coachella Valley is California's other significant table grape production area. In an average year, the state produces 90-94 million 19-lb boxes of table grapes, including about 7 million (8 percent) from the Coachella Valley. The southern San Joaquin Valley region includes Fresno, Madera, Tulare, Kern, and Kings counties; the Coachella Valley region includes Riverside, Imperial, and San Bernardino counties. California produced about 300 thousand tons of raisins in 2004. Almost all were from the southern San Joaquin Valley, although a few raisins are produced in the northern San Joaquin Valley region (San Joaquin, Calaveras, Amador, Sacramento, Merced, and Stanislaus counties).

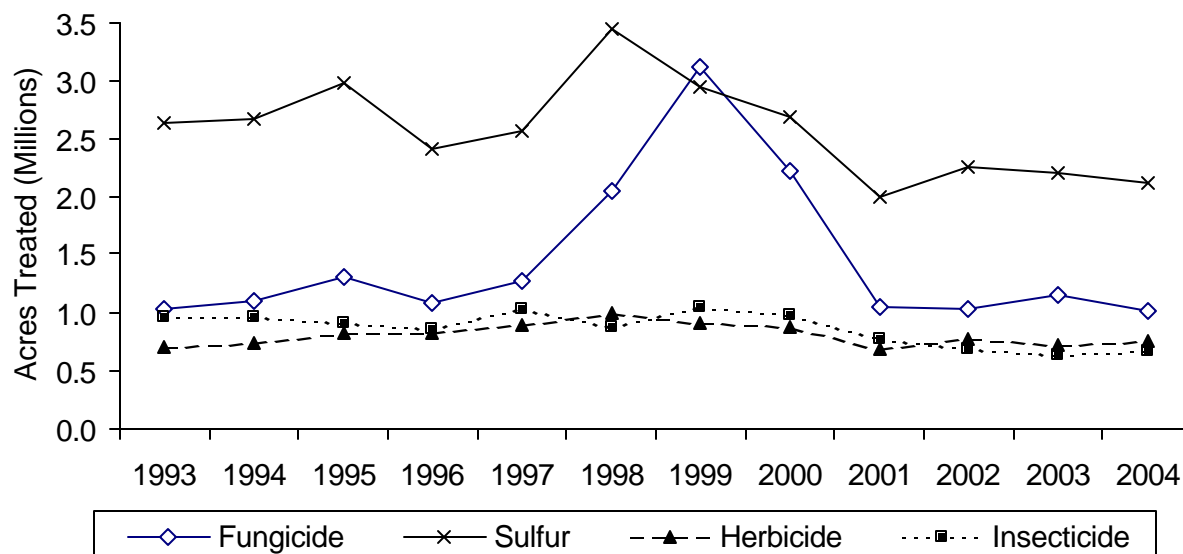
**Table 14A.** Total reported pounds of all AIs, acres treated, acres planted, and prices for raisin and table grapes each year from 2000 to 2004. Planted acres in 2000 to 2003 are from CASS October 2004; planted acres in 2004 are from CASS, March 2005; all marketing year average prices are from NASS, July 2005

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	26,769,275	19,638,930	22,161,940	21,525,587	21,399,811
<b>Acres Treated</b>	8,145,603	5,671,081	5,901,515	5,937,960	5,684,959
<b>Acres Planted Raisin</b>	287,000	283,000	279,000	260,000	248,000
<b>Acres Planted Table</b>	100,000	98,000	97,000	93,000	92,000
<b>Price Raisin \$/ton</b>	\$166.00	\$186.00	\$152.00	\$170.00	\$304.00
<b>Price Table \$/ton</b>	\$565.00	\$610.00	\$616.00	\$601.00	\$695.00

**Table 14B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres planted, and prices for raisin and table grapes from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-9	-27	13	-3	-1
<b>Acres Treated</b>	-14	-30	4	1	-4
<b>Acres Planted Raisin</b>	0	-1	-1	-7	-5
<b>Acres Planted Table</b>	0	-2	-1	-4	-1
<b>Price Raisin \$/ton</b>	-48	12	-18	12	79
<b>Price Table \$/ton</b>	2	8	1	-2	16

**Figure 12.** Acres of raisin and table grapes treated by all AIs in the major types of pesticides from 1993 to 2004.



The major fungicides by acres treated in table and raisin grapes in 2004 were sulfur, myclobutanil, copper hydroxide, tebuconazole, and trifloxystrobin; the major insecticides and miticides were imidacloprid, cryolite, methoxyfenozide, bifenazate, and propargite; and the major herbicides were glyphosate, paraquat, simazine, oxyfluorfen, and diuron. Pesticides with large increases in use by weight in 2004 include the insecticides bifenazate and oils; the herbicides glufosinate-ammonium, oryzalin, and diuron; and the fumigants metam-sodium, 1,3 D, sodium tetrathiocarbonate, and sulfur dioxide. Those with large decreases in use include the fungicides triflumizole, cyprodinil, lime-sulfur, and copper-based products; the insecticides tebufenozide, dimethoate, *Bacillus thuringiensis* and kaolin; the biological nematicide *Myrothecium verrucaria*; and the fumigants methyl bromide, chloropicrin, and aluminum phosphide. Three new pesticides, the insecticide methoxyfenozide and the fungicides pyraclostrobin and boscalid, saw significant use.

Powdery mildew is the reason for most of the fungicide use in San Joaquin Valley and Coachella Valley vineyards. Other diseases that growers manage using fungicides are Botrytis bunch rot and Phomopsis cane and leaf spot. In 2004 the total field use of fungicides (as pounds AI) was about 26 percent less than in 2003. Weather was a major factor: whereas early 2003 was wet and cool, causing major fungus problems, spring 2004 was dry and exceptionally warm. The season started with a March heat wave, continued with low pest pressure, and ended with one of the earliest grape harvests on record. Efforts by growers to reduce costs, pressure from wineries and packers to eliminate use of some products, and competition between products further explain year-to-year fluctuations in fungicide use. Application of some fungicides to manage powdery mildew decreased because of a better understanding of efficacy, resistance management, and powdery mildew phenology models that optimize application timing and use. Those models and the availability of cheaper alternatives may account for some of the reduction in triflumizole use. Newer alternatives including pyraclostrobin and boscalid are being substituted for cyprodinil, copper-based fungicides, and lime-sulfur.

The reported use of insecticides and miticides increased slightly by weight in 2004. Changes in use are caused by annual fluctuations in weather conditions and pest pressures, and competition between products with regard to efficacy, cost, and/or risk. Oils are low-risk products for controlling some key insect and mite pests. Although 2004 was not a heavy mite year, local infestations of Willamette mite required late season treatment. Bifenazate, a relatively new selective miticide, is gaining market share because of long worker re-entry periods for alternative products. Dimethoate is used to control leafhoppers, spider mites, and mealybugs, including postharvest treatment of grape and vine mealybugs; some growers are moving to more selective alternative products with fewer restrictions. Low leafhopper pressure, including more effective control of glassy-winged sharpshooter in pest management districts, could have contributed to reduced use of both dimethoate and kaolin. Increased availability of alternatives may have reduced Bt application. The Section 18 emergency registration exemption of tebufenozide for moth control expired in 2003; it was replaced in 2004 by the new insecticide methoxyfenozide.

Total herbicide use (as pounds AI) increased by about 6 percent in 2004, perhaps influenced by increased commodity prices. In 2002-03, weedy vineyards were common because growers were cutting costs. Oryzalin, like diuron, is a preemergence herbicide applied during the dormant period of the crop. It was not available for sale in 2003, but returned to the market in 2004. Use of oryzalin may also have increased because alternative products have resistance problems, are more phytotoxic, and/or pose a greater risk to ground and surface water, with attendant regulatory restrictions. Glufosinate-ammonium is a relatively new post-emergence contact material for grasses and broadleaf weeds. It is expensive, but provides excellent control of hairy fleabane and marehail, which are a significant problem in vineyards in the San Joaquin Valley and have become resistant to some other products.

In 2004, fewer pounds of the biological nematicide *Myrothecium verrucaria* were applied to more acres. Overall use varies because this product is best applied as part of an integrated program, with treatments not repeated year after year.

Use (as pounds AI) of the fumigant methyl bromide diminished in 2004, in line with regulatory moves to phase it out. Chloropicrin, in addition to its fungicidal properties is often formulated as a warning agent in combination with methyl bromide, was correspondingly less used. Metam-sodium and 1,3-D, which are preplant treatments for new vineyards, and sodium tetrathiocarbonate, applied both preplant and postplant against nematodes and phylloxera, can substitute for methyl bromide, at least in part. That may help account for a sizeable increase in the use of those fumigants. Fewer postplant alternatives may be another reason for growers' increased use of sodium tetrathiocarbonate.

Excellent grape quality and the early harvest led to more fruit being used for table grapes and stored for a long period. This increased the amount of sulfur dioxide applied, since table grapes are treated with SO<sub>2</sub> gas on a 7-10 day cycle in order to prevent Botrytis rot during storage. Fewer raisins were produced in 2004 because Thompson Seedless, the main raisin grape variety, commanded high prices not only as table grapes, but also for wine. Therefore, less aluminum phosphide was required to control pests such as raisin moths and Indian meal moths in postharvest storage facilities.



## Alfalfa

Alfalfa hay is produced for animal feed. The dairy industry is the biggest market for alfalfa hay production. California's alfalfa value was around \$1 billion in 2004, making it the highest value field crop in the state. Most counties in the state produce some alfalfa hay, but half of the state's production comes from Kern, Imperial, Tulare, Merced, and Fresno counties. Harvested alfalfa acres decreased in 2004 by 4 percent compared to 2003 while the price per ton of alfalfa hay increased by 25 percent.

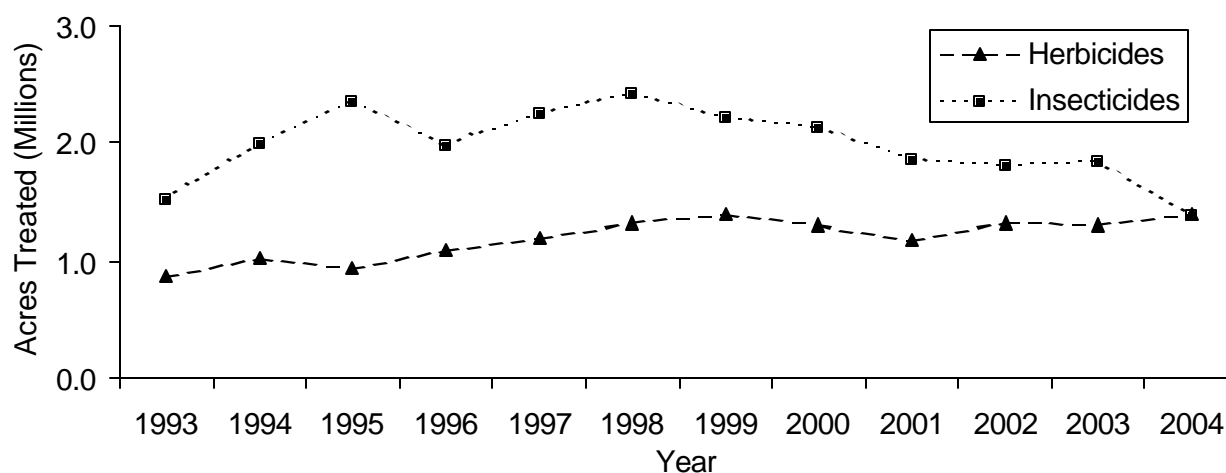
**Table 15A.** Total reported pounds of all AIs, acres treated, acres harvested, and prices for alfalfa each year from 2000 to 2004. Harvested acres from 2000 to 2003 are from CASS, October 2004; harvested acres in 2004 are from CASS, January 2005; marketing year average prices from 2000 to 2004 are from NASS, July 2001, July 2002, July 2003, July 2004, and July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	3,315,152	2,919,521	3,008,510	2,921,442	2,662,360
<b>Acres Treated</b>	5,182,465	4,443,511	4,467,000	4,857,298	4,167,860
<b>Acres Harvested</b>	1,020,000	1,010,000	1,160,000	1,090,000	1,050,000
<b>Price \$/ton</b>	\$92.00	\$119.00	\$98.00	\$93.00	\$116.00

**Table 15B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres harvested, and prices for alfalfa from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-12	-12	3	-3	-9
<b>Acres Treated</b>	-3	-14	0	9	-14
<b>Acres Harvested</b>	-3	-1	15	-6	-4
<b>Price \$/ton</b>	2	29	-18	-5	25

**Figure 13.** Acres of alfalfa treated by all AIs in the major types of pesticides from 1993 to 2004.



The total pounds of pesticide AIs applied to alfalfa decreased in the last six years. The total pounds of pesticide AIs used in 2004 declined by 9 percent compared to 2003 to the lowest level

in six years. The acres treated with pesticides declined by 14 percent compared to 2003, also falling to the lowest level in six years.

Herbicide use statewide (as pounds AI) remained about the same from 2003 to 2004, decreasing by less than 1 percent. Acres harvested decreased in 2004, which may explain the decreased pounds of herbicide AI used. However, the herbicide use (as acres treated) increased 7 percent in 2004. The increase in acres treated and the decrease in pounds AI in 2004 compared to 2003 would indicate that the amount of herbicide used per acre was less in 2004. The use of several postemergence herbicides increased in 2004 compared to 2003 as follows:

- Paraquat dichloride by 17 percent;
- Imazethapyr by 24 percent;
- 4 (2,4-DB) dimethylamine salt by 63 percent; and
- Sethoxydim and clethodim (used to control grasses postemergence) by 4 and 8 percent, respectively.

Two preemergence herbicides, trifluralin and diuron, accounted for nearly 65 percent of herbicide use in alfalfa (pounds AI) in 2004. Trifluralin use decreased 9 percent in 2004, to the lowest level since 2001. Generally, weather conditions in 2004 resulted in less preemergence herbicide use, more emerged weeds, and higher amounts of postemergence herbicides to control winter annual weeds.

Most alfalfa acreage is found in four regions of the state: the Intermountain Region, Sacramento Valley, San Joaquin Valley, and Low Desert Region. Regional variations occur when selecting and using individual herbicides. Compared to the acres treated in 2003, acres treated in 2004 with trifluralin increased 480 percent in the Intermountain Region and 72 percent in Sacramento Valley, but decreased 7 percent in the San Joaquin Valley and 18 percent in the Low Desert Region. For paraquat dichloride, acres treated in 2004 compared to 2003 decreased by 40 percent in the Low Desert Region, but increased by 5 percent, 14 percent, and 19 percent, respectively, in the Intermountain Region, Sacramento Valley and San Joaquin Valley. Compared to 2003, imazethapyr use, as acres treated, in 2004 decreased 15 percent in the Sacramento Valley, and increased 59 percent, 33 percent, and 70 percent, respectively, in the Sacramento Valley, San Joaquin Valley and Low Desert Region. The main reason for choosing certain herbicides was the combination of herbicide price and the weather. Some herbicides work better under certain conditions.

Insecticide use (as pounds AI) declined by 23 percent from 592,408 pounds AI (1,837,126 acres treated) in 2003 to 456,158 pounds AI (1,370,521 acres treated) in 2004, though the use of dimethoate and methamidophos increased by 16 percent and 71 percent, respectively. Statewide, insect pressure due to Egyptian alfalfa weevil and beet army worm was less in 2004 than in 2003; this decrease in pest pressure may explain the decrease in both pounds AI and acres treated with insecticides.

Statewide, the acres treated with insecticides declined by 29 percent. For specific insecticides, acres treated declined in 2004 compared as follows:

- chlorpyrifos by 30 percent;
- lambda-cyhalothrin by 16 percent;
- indoxacarb by 52 percent;
- methomyl by 65 percent;

- carbofuran by 41 percent;
- permethrin by 48 percent; and
- phosmet by 52 percent.

On a regional basis, differences in acres treated occurred. Acres treated with chlorpyrifos declined by 31 percent in the Sacramento Valley and 44 percent in the San Joaquin Valley, while acres treated with chlorpyrifos increased by 241 percent in the Intermountain Region and 38 percent in the Low Desert Region of the state. Acres treated with lambda-cyhalothrin declined by 59 percent in the Intermountain Region, 21 percent in the San Joaquin Valley, and 23 percent in the Low Desert Region, but increased by 5 percent in the Sacramento Valley. The decline in acres treated with indoxacarb was mainly in San Joaquin Valley and the Low Desert Region, 65 percent and 43 percent, respectively, while the acres treated increased by 12 percent in the Sacramento Valley. The acres treated with methomyl declined by 48 percent in the Sacramento Valley and 70 percent in the San Joaquin Valley.

## Rice

California's Sacramento Valley contains more than 95 percent of the state's rice acreage. The remainder is in north to central San Joaquin Valley. The leading rice-producing counties are Colusa, Sutter, Butte, Glenn, and Yolo. Approximately 600,000 acres in the Sacramento Valley are of a soil type restricting the crops to rice or pasture. The remainder of the acreage has greater crop flexibility.

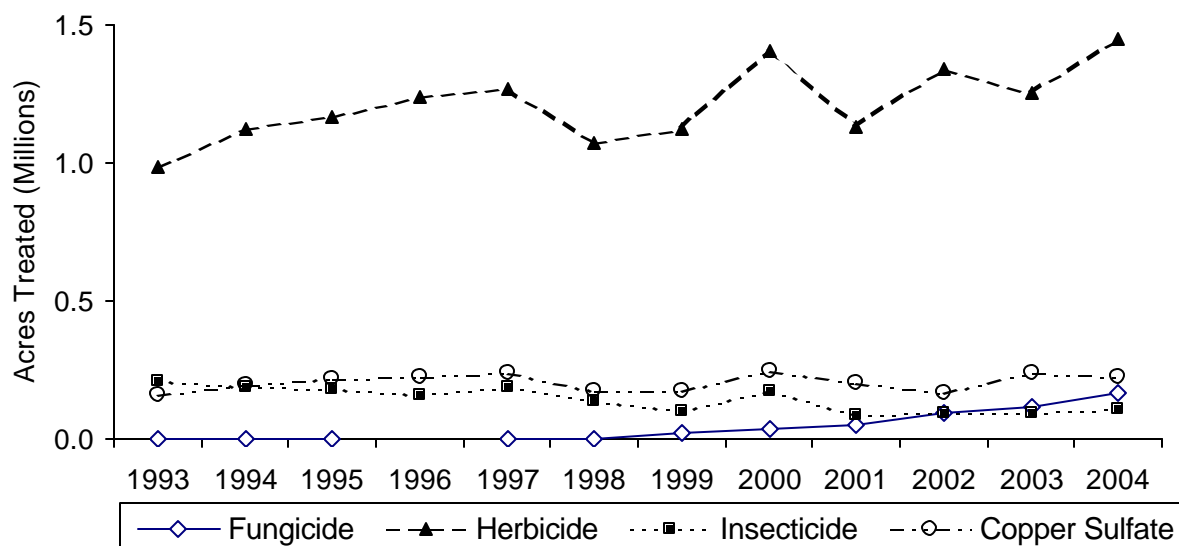
**Table 16A.** Total reported pounds of all AIs, acres treated, acres planted, and prices for rice each year from 2000 to 2004. Planted acres from 2000 to 2003 are from NASS, October 2004; planted acres in 2004 are from CASS, January 2005; marketing year average prices from 2000 to 2004 are from NASS, July 2001, July 2002, July 2003, July 2004, and July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	7,084,205	5,945,926	5,962,401	6,490,215	6,615,296
<b>Acres Treated</b>	2,164,498	1,738,355	2,061,850	2,226,949	2,755,210
<b>Acres Planted</b>	550,000	473,000	533,000	509,000	595,000
<b>Price \$/cwt</b>	\$4.99	\$5.28	\$6.32	\$10.40	\$6.95

**Table 16B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres planted, and prices for rice from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	43	-16	0	9	2
<b>Acres Treated</b>	32	-20	19	8	24
<b>Acres Planted</b>	8	-14	13	-5	17
<b>Price \$/cwt</b>	-28	6	20	65	-33

**Figure 14.** Acres of rice treated by all AIs in the major types of pesticides from 1993 to 2004.



Total pesticide use (as pounds AI) in rice has generally increased since 1993, although most of that increase was due to adjuvants. Pesticide use increased approximately 24 percent from 2003 to 2004 in terms of acres treated, but only increased 2 percent in terms of pounds AI applied. Herbicides accounted for most of the pesticide use; approximately 74 percent of non-adjuvant pesticide acres treated has been with herbicides. Herbicide use has increased slightly during the 1990's and increased by approximately 16 percent from 2003 to 2004. Insecticide use has been decreasing generally and fungicide use increasing. Pesticides with large increases in use include cyhalofop-butyl, bensulfuron-methyl, fenoxaprop-ethyl, (s)-cypermethrin, and azoxystrobin. Pesticides with large decreases in use include molinate, carfentrazone-ethyl, MCPA, and malathion.

The major insecticides by acres treated in rice in 2004 were lambda-cyhalothrin, (s)-cypermethrin, and diflubenzuron; the major herbicides were propanil, triclopyr, cyhalofop-butyl, thiobencarb, and bispyribac-sodium; and the major fungicide was azoxystrobin. The herbicides propanil and triclopyr were the two most commonly used pesticides. The third most commonly used pesticide was copper sulfate, which is used to control algae and tadpole shrimp.

In 2004, no major shifts in pest pressure occurred. Rice acres planted increased from 509,000 acres in 2003 to 595,000 acres in 2004, a 17 percent increase. Besides increases in planted acreage, reasons for increases in herbicide use include the shift to new herbicides in areas of resistance, and the need for tank mixes and sequential applications for managing herbicide resistant weeds. Reasons for decreases in herbicide use include weed resistance, wet weather causing difficulty with proper application timing, and increased grower confidence with the use of new herbicides on the market. Prices are not a factor in explaining changes in pesticide use because there are few rice pesticides and the modes of action limited, so applications are based on need and not crop price.

Over the years, the proportion of acres planted that have been treated has increased gradually, although this change was minimal from 2003 to 2004. Since herbicides account for most pesticide use in rice, it is safe to assume that the gradual increase in total rice pesticide use

parallels the problem of increasing herbicide resistance. Resistance has also forced an increasingly higher use of foliar herbicides applied in pin-point (flood water management systems) with water drained. This brings new flushes of weeds, particularly sprangletop and barnyardgrass, which explains the increase in use of herbicides like cyhalofop-butyl.

When considering pounds AI used per acre treated, there is an initial dramatic increase from 1999 until 2001, which probably has a lot to do with resistance. However, since then, there has been a steady and significant decrease in the amount of AI used per treated acre. In 2004 growers used 30 percent less herbicide AI per treated acre than in 2001, and about 18 percent less than 2003. This is due to the introduction of new compounds, such as bispyribac-sodium, clomazone, and cyhalofop-butyl that are used at very low rates. When considering the pounds AI used per acre planted, the total pounds of herbicide AI decreased by about 13 percent from 2003 to 2004, in spite of increased acreage that was planted.

The increases in the use of certain herbicides (propanil, bispyribac-sodium, clomazone, and bensulfuron-methyl) accompany fairly closely the increase in planted acreage plus the decrease in thiocarbamates (thiobencarb and molinate), carfentrazone-ethyl and MCPA use. More clomazone is used as growers learn how to use it. Mounting resistance problems with late watergrass (mimic) prompt growers to use bispyribac-sodium at the highest labeled rates, which are recommended for that purpose. The increased use of bensulfuron methyl is surprising, although the area treated is still small. This may reflect in part the recent difficulties in controlling rice field bulrush with carfentrazone-ethyl and the reduction in MCPA use. The large increase in cyhalofop-butyl use reflects the reduction in thiobencarb use (a sprangletop herbicide) and the mounting sprangletop problems resulting from an increasing use of pin-point systems for foliar herbicide application prompted by watergrass resistance, as discussed above.

Lambda-cyhalothrin is an insecticide used primarily for rice water weevil control and secondarily for armyworm control. Its use declined mainly due to competition from (s)-cypermethrin that was registered for the first time in California rice in 2003. Insect pressure is low for California rice and lambda-cyhalothrin is used on approximately 10 percent of all rice planted in California.

Copper sulfate is the only algacide registered for use on California rice, and one of the few products acceptable for organic rice production. The product doubles as an insecticide, which is very important to organic rice growers.

Azoxystrobin is reduced-risk and the only foliar fungicide registered for use on California rice. Disease pressure is low for California rice, which is the reason azoxystrobin is used on approximately one-fifth the total acres planted.

## Tomato (Processing)

Virtually all of the 281,000 acres of processing tomatoes harvested in 2004 were located in the Sacramento Valley or San Joaquin Valley. The increase in harvested acreage from 2003 to 2004 (nearly 7,000 acres, or 3 percent) partly explains the 5 percent increase in pesticide use from 10,943,940 to 11,536,133 pounds. A 12 percent increase in sulfur use—an additional 840,000 pounds over 2003 levels—also contributed significantly to the overall increase in pesticide use.

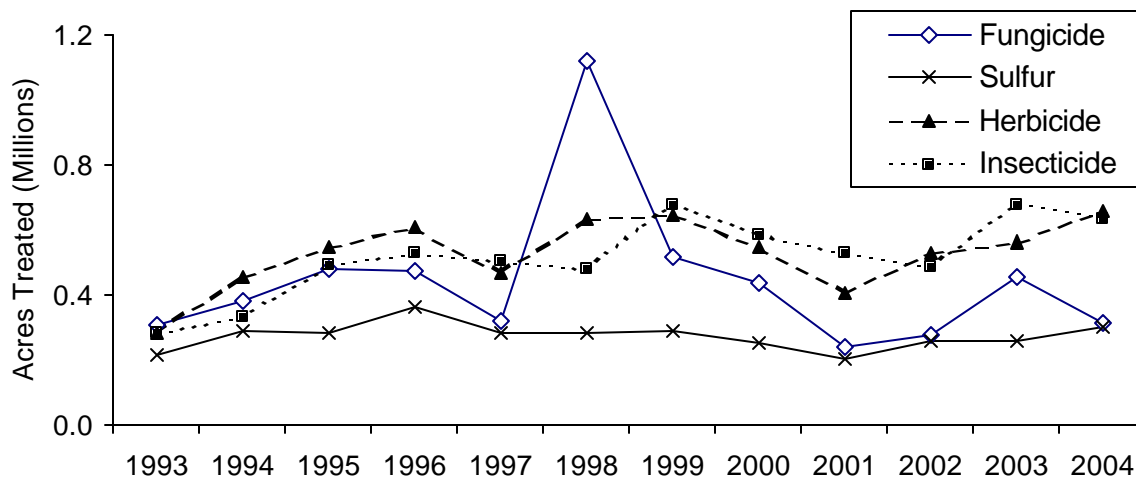
**Table 17A.** Total reported pounds of all AIs, acres treated, acres harvested, and prices for processing tomatoes each year from 2000 to 2004. Harvested acres from 2000 to 2003 are from CASS, October 2004; harvested acres in 2004 are from NASS, January 2005; marketing year average prices from 2000 to 2001 are from NASS, January 2002; prices from 2002 to 2004 are from NASS, January 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	10,665,766	7,917,190	10,645,872	10,943,940	11,531,813
<b>Acres Treated</b>	2,403,573	1,893,948	2,031,786	2,677,473	2,516,672
<b>Acres Harvested</b>	271,000	254,000	291,000	274,000	281,000
<b>Price \$/ton</b>	\$58.60	\$57.50	\$56.80	\$57.20	\$57.40

**Table 17B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres harvested, and prices for processing tomatoes from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-16	-26	34	3	5
<b>Acres Treated</b>	-13	-21	7	32	-6
<b>Acres Harvested</b>	-18	-6	15	-6	3
<b>Price \$/ton</b>	-17	-2	-1	1	0

**Figure 15.** Acres of processing tomatoes treated by all AIs in the major types of pesticides from 1993 to 2004.



Insecticide use (total pounds AI) decreased by 24 percent over 2003 and was lower than any time since 1993. The use of insecticides considered high-risk decreased 23 percent. Methomyl use decreased from 45,867 pounds in 2003 to 12,423 pounds in 2004 due to less concern for curly top in the south; the use of dimethoate was the inverse of methomyl, increasing from 24,250 pounds in 2003 to 39,188 pounds in 2004. Use of tebufenazide led a drop in the use of low-risk insecticides, accounting for nearly 70 percent (11,261 pounds) of the overall 41 percent drop in low-risk insecticide use. Methoxyfenozide substituted for tebufenazide in many cases, with use climbing from zero pounds in 2003 to 5,779 pounds in 2004. Both are used for armyworm control. Acetamiprid, a relatively new insecticide used for aphids, was another low-risk insecticide to increase, going from 173 pounds in 2003 to 1,732 pounds in 2004.

Growers continue to be concerned about the costs and availability of hand labor, reflected in a large increase in herbicide use (21 percent). The use of the three major herbicides—metolochlor, trifluralin, and glyphosate—increased (pounds used) by 77 percent, 9 percent, and 26 percent respectively. These three herbicides accounted for 91 percent of total pounds of herbicide use on processing tomatoes in 2004. Rimsulfuron use increased in terms of total acres treated, going from 119,809 treated acres in 2003 to 146,534 treated acres in 2004 but accounting for less than 1 percent of total pounds used. Transplant tomatoes continue to increase, resulting in increased use of metolochlor and decreased use of pebulate (down 74 percent) and napropamide (down 23 percent).

Two pesticides, sulfur and metam-sodium, made up over 83 percent of the total pounds of AIs applied to tomatoes in 2004, continuing a trend from the last three years. Sulfur is used for russet mite and powdery mildew, annual pests throughout California. Powdery mildew required early applications of sulfur in 2004 and remained a concern all year, explaining the increase in sulfur use. Metam-sodium is used as a preplant herbicide for both direct seeded and transplanted tomatoes.

Weather in April and May of 2004 returned to normal compared to the heavy spring rains of 2003. In the south there was no recorded rain in April, May, June or during harvest in August and September. Less bacterial speck and other early season diseases resulted in a 45 percent drop in fungicide use to more normal levels. The use of copper fungicides decreased precipitously, from 119,064 pounds in 2003 to 20,589 pounds in 2004. Use of mancozeb and maneb decreased 66 percent and 83 percent, respectively, partly attributable to less use in tank mix combinations with copper for the bacterial disease control program. Use of chlorothalonil decreased 15 percent due to a comparatively dry August and September in 2004.

## Oranges

Oranges are the eighth highest value crop grown in California. Eighty-six percent of California oranges are grown in the San Joaquin Valley. The rest are grown in the South East region (five percent, in Riverside and San Bernardino counties) and on the South Coast (about seven percent of the state's acreage, mostly in Ventura and San Diego).

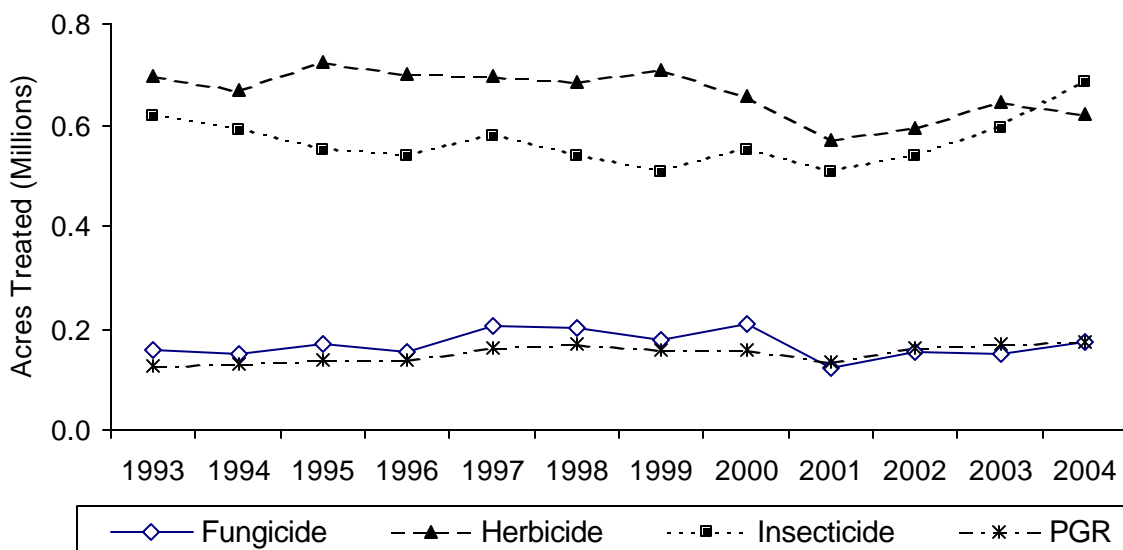
**Table 18A.** Total reported pounds of all AIs, acres treated, bearing acres, and prices for oranges each year from 2000 to 2004. Bearing acres from 2000 to 2003 are from CASS, October 2004; bearing acres in 2003-04 are from NASS, September 2004; marketing year average prices (equivalent P.H.D.) in 2000 to 2001 are from NASS, July 2003; prices in 2002 to 2004 are from NASS, July 2005. A box is about 75 pounds of oranges.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	8,569,479	6,293,041	6,949,452	7,237,990	9,603,848
<b>Acres Treated</b>	2,181,618	1,727,085	1,910,155	2,050,026	2,249,087
<b>Acres Bearing</b>	199,000	198,000	195,000	189,500	182,000
<b>Price \$/box</b>	\$5.40	\$9.44	\$10.85	\$7.51	\$10.72

**Table 18B.** Percent difference from previous year for reported pounds of all AIs, acres treated, bearing acres, and prices for oranges from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-2	-27	10	4	33
<b>Acres Treated</b>	7	-21	11	7	10
<b>Acres Bearing</b>	-2	-1	-2	-3	-4
<b>Price \$/box</b>	-52	75	15	-31	43

**Figure 16.** Acres of oranges treated by all AIs in the major types of pesticides from 1993 to 2004.





Total pesticide use (as pounds AI) in oranges between 2003 and 2004 increased from approximately 7.2 million pounds to approximately 9.6 million pounds, a change of 25 percent. Most of the change was due to increased insecticide use.

Overall insecticide use was up 20 percent from 2003, a change of over one million pounds. Insecticides used most (acres treated) in 2004 were chlorpyrifos, spinosad, petroleum oil, mineral oil, cyfluthrin and pyriproxifen. This list changes in terms of pounds AI used to petroleum oil and distillates, mineral oil, chlorpyrifos and cryolite. The discrepancy lies in the wide variation in rates applied for the various pesticides [some pesticides are applied at high rates (pounds per acre treated), e.g., petroleum oil, and some at very low rates, e.g., spinosad and cyfluthrin]. Between 2003 and 2004 large increases were reported in the use of mineral oil, chlorpyrifos and the reduced-risk insecticide spinosad. Carbaryl use decreased by 49 percent between 2003 and 2004 and pyriproxifen use increased by 25 percent.

Kaolin and sulfur are used as both fungicides and insecticides. Use of kaolin went up in both acres treated and pounds and use of sulfur went down in acres treated and pounds.

Overall, fungicide use increased by 19 percent from 2003 to 2004. The highest used fungicides by acres treated were copper hydroxide, copper sulfate, copper oxide and mefenoxam. High fungicide use by pounds included the copper compounds and imazalil. There was a large increase in acreage treated with mefenoxam, a reduced-risk fungicide. Use increased by 43 percent between 2003 and 2004, but the actual amount used was less than 2,200 pounds in 2004.

Use of herbicides in oranges decreased slightly between 2003 and 2004. The herbicides used most in both acres treated and pounds AI were two types of glyphosate, diuron, bromacil and simazine. Amount used of almost all twelve of the top-used herbicide AIs decreased slightly between 2003 and 2004. The major exception to the overall decrease was oryzalin. The amount used and acres treated in 2004 were doubled over the preceding year.

Acres treated with fumigants increased between 2003 and 2004, although use of some individual AIs, such as metam sodium, decreased. The top three fumigants used in both acres treated and pounds were aluminum phosphide, 1,3-D and methyl bromide. The highest increase was in use of 1,3-D, which increased in pounds used and acres treated. Pounds used of methyl bromide increased, although acres treated decreased. The fumigants were not used on large acreages but since they are used at high rates, the amount used is significant, particularly for 1,3-D. The total of fumigants used in 2004 was 269,048 pounds on 2,337 acres and almost all of this was 1,3-D. Acreage appears low since fumigants are also used in post-harvest treatments where acreage is not a valid measurement.

According to NOAA (2005), the citrus growing regions of California remain in a severe drought with another dry year (the fifth in a row). California had a wet winter and a warm, dry spring. Temperatures were above normal across California especially in the spring. Fall was wet and cold with precipitation was above average across the state and temperatures were below normal.

Petroleum oil, petroleum distillates and mineral oil are broad-spectrum insecticides for aphids, mites and scales and the oils are also used as an adjuvant in pesticide treatments. Chlorpyrifos is a broad-spectrum insecticide for insects, cyfluthrin is used for citrus thrips, katydids and glassy-winged sharpshooter and spinosad is used for citrus thrips. Kaolin is a whitewash that is used to

make citrus trees less attractive to glassy winged sharpshooter and is being used by some growers to reduce heat stress. *Bacillus thuringiensis* is used for caterpillar pests. Pyriproxyfen, an insect growth regulator, and carbaryl are used to manage scale insects.

Use of carbaryl decreased from 2003 to 2004, due to lower efficacy for scale pests relative to other insecticides. Growers are rotating the use of buprofezin and pyriproxyfen to control red scale. Citrus thrips are developing resistance to pyrethroids, so growers are using spinosad and cyfluthrin instead. The increase in chlorpyrifos was due to the dramatic increase in citricola scale and katydids in citrus groves. Growers are tank-mixing cyfluthrin, fenpropathrin, or chlorpyrifos with the spinosad used for citrus thrips in order to control katydids, which appear at the same time as thrips. Pesticide costs are increasing since the newer reduced-risk insecticides are more expensive. Growers needed to use more pesticides since orange production was down while prices were high in 2004.

Sulfur, copper hydroxide, copper sulfate and copper oxide are used to prevent Phytophthora gummosis, Phytophthora root rot, and fruit diseases such as brown rot and Septoria spot. Sulfur can also be used to control mites and citrus thrips. Mefenoxam, a reduced-risk fungicide, is used for Phytophthora diseases. Imazalil is used as a postharvest application on non-stored commodities.

The unusually wet late half of the year partially accounts for the increase in the use of copper products since they are used to protect the fruit. Treatments for Septoria spot for Korean exports are now required, resulting in more use of copper sprays. Wet weather encourages the growth of Phytophthora diseases so growers need to use mefenoxam to control those diseases.

The herbicide glyphosate is used to control weeds post-emergence. Diuron, bromacil and simazine are used for pre-emergent weed control. Growers use herbicides to prepare the ground prior to planting. Decreased use of glyphosate, simazine and diuron are most likely due to ground water regulations.

Pounds used of the preplant fumigants methyl bromide and 1-3-D almost doubled. These fumigants are used to protect newly planted orange trees from nematodes and soil diseases such as Phytophthora root rot. This increased use appears to be caused by large-scale removal of Valencia oranges and their replacement by other varieties of citrus. The market for Valencia oranges had been poor, although improving recently, and many growers bulldozed these blocks and replaced these trees with other varieties of citrus. Another use for methyl bromide is as a post-harvest treatment on the fruit.

### **Head (Iceberg) Lettuce**

Head lettuce is grown in four regions in the state: the central coastal area (Monterey, San Benito, Santa Cruz, and Santa Clara counties); the southern coastal area (Santa Barbara, Ventura, and San Luis Obispo counties); the San Joaquin Valley (Fresno, Kings, and Kern counties); and the southern deserts (Imperial and Riverside counties). In 2004, 59 percent of all California head lettuce was planted in the central coastal area, 17 percent in the southern coastal area, 12 percent in the San Joaquin Valley, and 11 percent in the southern deserts. California produces 70 to 75

percent of the head lettuce grown in the United States annually. In this analysis, the central and southern coastal areas are combined.

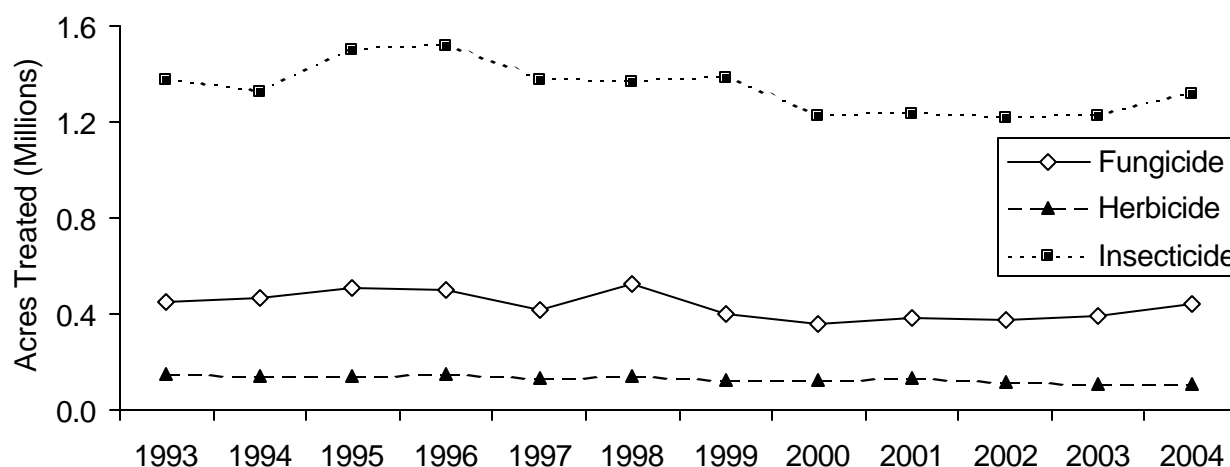
**Table 19A.** Total reported pounds of all AIs, acres treated, acres harvested, and prices for head lettuce each year from 2000 to 2004. Harvested acres from 2000 to 2003 are from NASS, October 2004; harvested acres in 2004 are from NASS, January 2005; all marketing year average prices are from NASS, July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	1,770,426	1,431,087	1,440,302	1,468,612	1,617,854
<b>Acres Treated</b>	2,028,305	2,071,215	2,008,936	2,042,801	2,226,577
<b>Acres Harvested</b>	130,000	128,000	130,000	135,000	139,000
<b>Price \$/lb</b>	\$18.80	\$18.50	\$14.90	\$21.00	\$15.10

**Table 19B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres harvested, and prices for head lettuce from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	9	-19	1	2	10
<b>Acres Treated</b>	-9	2	-3	2	9
<b>Acres Harvested</b>	-7	-2	2	4	3
<b>Price \$/lb</b>	37	-2	-19	41	-28

**Figure 17.** Acres of head lettuce treated by all AIs in the major types of pesticides from 1993 to 2004.



Pesticide use (as pounds AI) on head lettuce gradually declined from 1995 through 2003, but increased in 2004. Major pesticides with the largest percent increase in acres treated were diazinon, imidacloprid, (S)-cypermethrin, dimethomorph, benefin, and metam-sodium. Major pesticides with the largest percent decrease were permethrin, methomyl, and fosetyl-al. During 2004, the top insecticides used (by acres treated) were diazinon, spinosad, permethrin, imidacloprid, acephate and (S)-cypermethrin. The main fungicides used were maneb, dimethomorph, iprodione, fosetyl-al, and vinclozolin. Three herbicides dominated? propyzamide (pronamide), bensulide, and benefin. Metam-sodium was the main fumigant used, followed by 1,3-dichloropropene, chloropicrin, and methyl bromide.

Overall use of insecticides, fungicides, and fumigants rose during 2004 (both as acres and pounds treated). Use of insecticides varied among the different lettuce-growing areas. In the coastal area, more acres were treated with insecticides during 2004 than 2003. Use of low-risk insecticides increased by 28 percent, while that of high-risk pesticides increased by 12 percent. Insecticide use decreased by 4 percent in the southern deserts, and remained constant in the San Joaquin Valley. There was a 3 percent increase from 2003 to 2004 in acres of head lettuce harvested. Fungicide use increased by acres treated for the coastal area and southern deserts, possibly due to a wet winter and early spring along the coast, and a wet early summer in the southern desert, which led to outbreaks of diseases such as downy mildew. Although acreage of fungicides used increased during 2004, fewer pounds were used during 2004 than 2003, possibly because more products were used that are applied at a low rate.

The insecticides permethrin, spinosad, and emamectin are used to manage larvae of beet armyworm and cabbage looper, primarily pests in the southern deserts. Use of permethrin and spinosad dropped in the central coast and southern deserts in 2004, possibly due to less worm pressure. In the coastal area and San Joaquin Valley, use of emamectin increased, possibly because growers are substituting it for permethrin and spinosad. The decrease in spinosad use may have also resulted from lower populations of thrips, which have become serious pests in coastal and desert regions of California. Use of indoxacarb, an effective reduced-risk material for worms, decreased in all lettuce-growing regions. In the coastal area, insecticides such as avermectin are replacing permethrin to manage leafminers. Avermectin use in 2004 increased by 30 percent in Monterey County due to mounting leafminer pressure. In 2003, avermectin use had fallen off from previous years because leafminers posed little problem in this area. Use of cyromazine, a leafminer larvicide, increased by about 70 percent in the coastal area, thanks to a registration change that reduces plantback restrictions. Cyromazine also costs less than avermectin.

Diazinon is a preplant treatment applied to manage soil pests. Its use increased by 5 percent in the coastal area due to higher-than-normal pressure from symphylans. Diazinon use increased by 47 percent in the southern deserts, where it is often used for stand-establishment pests such as crickets, darkling ground beetles, earwigs, and sowbugs. In the coastal area, use of acephate and the neonicotinoid insecticide, imidacloprid, increased because lettuce aphids were plentiful. Use of another neonicotinoid insecticide, acetamiprid, also increased.

In 2004, maneb was the dominant fungicide used in head lettuce production, primarily to control downy mildew and prevent anthracnose. In the coastal area, less maneb was used in 2004 than in 2003, but a new material for downy mildew, dimethomorph, was used on 41,000 acres. Use of fosetyl-al fell from 2003 to 2004, possibly due to downy mildew tolerance. Use of acibenzolar-S-methyl, first registered for lettuce in 2001, increased seven-fold between 2001 and 2002, but fell four-fold from 2003 to 2004. This new reduced-risk fungicide stimulates plants to resist the pathogen that causes downy mildew. Although characterized as more effective against downy mildew than fosetyl-al, acibenzolar-S-methyl is more expensive. Use of iprodione in 2004 was higher than in 2003, although use of vinclozolin, also used for lettuce drop management, was lower. Use of another lettuce drop fungicide, dicloran, also decreased. Another new biofungicide, QST 713 strain of dried *Bacillus subtilis*, was used on three times more acres in 2002 than in 2001, but use fell in 2003, and even more so in 2004. First registered for use on lettuce in 2000, *B. subtilis* manages bacterial leaf spot and was the most frequently used bactericide. Although acreage of fungicides used increased during 2004, fewer pounds were used

during 2004 than 2003, possibly attributable to increased use of products that are applied at a low rate such as dimethomorph.

Herbicide use increased by less than one percent from 2003 to 2004. Some of the increase may be due to the popularity of planting 80-inch instead of 40-inch beds with five instead of two seed lines. This practice can increase lettuce production by a third, but slightly more herbicide is applied to the wider beds. Use of propyzamide (pronamide), applied as a postplant–preemergence herbicide, increased from 2003 to 2004, especially in the southern deserts. As consistent with its use for the past ten years, propyzamide was applied to many more acres than the preemergence bensulide, which targets small-seeded annual grasses and is not as effective as propyzamide in the coastal areas. Use of benefin, a pre-plant herbicide, increased from 2003 to 2004, especially in the San Joaquin Valley.

Nematodes are not economic pests of head lettuce, so soil is primarily fumigated to control soil-borne diseases. In 2004, fumigants were used on fewer than 4 percent of all lettuce acreage. Fumigants, however, are heavy materials, so application in pounds can seem high. For example, in 2004, 95 acres of head lettuce throughout California were treated with methyl bromide, which translated to 21,400 pounds. Yet, the acreage treated represented only about 0.7 percent of head lettuce acreage. Although mainly used to eliminate soil-borne diseases, metam-sodium also controls weeds in lettuce fields, if somewhat unreliably. In 2004, fields fumigated with metam-sodium represented less than 3 percent of all lettuce acreage. Use of 1,3-D increased by half, but only a fraction of lettuce acreage was treated. The third most widely used fumigant, chloropicrin, reduces soil populations of *Verticillium* wilt and lettuce drop (*Sclerotinia* drop) alone or when combined with methyl bromide or 1,3-dichloropropene. From 2003 to 2004, use of chloropicrin dropped by a third.

## **Peaches and Nectarines**

California ranks first in the United States in growing peaches and nectarines, producing 77 percent of the peaches and 96 percent of the nectarines in 2004. The state produced 100 percent of U.S. processed peaches and 60 percent of U.S. fresh market peaches. Clingstone peaches comprise about 57 percent of the total peach crop in California, and are used exclusively for processing into canned and frozen products (including baby food) and juice. California freestone peach production for fresh shipping represents 30 percent of the annual tonnage. Fresh market nectarines comprise approximately 98 percent of the annual tonnage. Clingstone peach acreage increased slightly in 2004, while freestone peach and nectarine acreage remained unchanged. Peaches and nectarines are discussed together because pest management issues for the two crops are very similar.

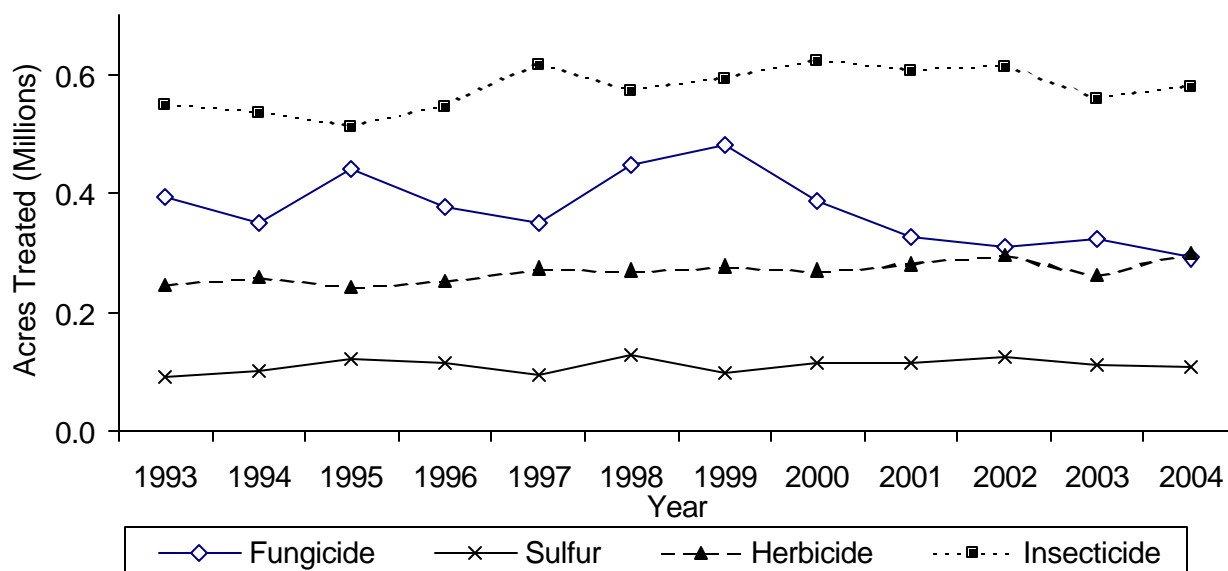
**Table 20A.** Total reported pounds of all active ingredients (AIs), acres treated, bearing acres, and prices for peaches and nectarines each year from 2000 to 2004. Bearing acres for peaches and nectarines from 2000 to 2003 are from CASS, October 2004; bearing acres in 2004 are from NASS, July 2005; marketing year average prices for fresh peach from 2000 to 2004 are from NASS, July 2001, July 2002, July 2003, July 2004, and July 2005; prices for nectarines all years are from NASS, July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	6,762,775	6,003,210	6,510,986	6,486,355	6,432,523
<b>Acres Treated</b>	1,687,752	1,609,554	1,581,916	1,496,833	1,518,626
<b>Acres Bearing Peach</b>	65,200	65,800	68,000	68,000	69,000
<b>Acres Bearing Nectarine</b>	35,500	36,500	36,500	36,500	36,500
<b>Acres Bearing Total</b>	100,700	102,300	104,500	104,500	105,500
<b>Price \$/ton Peach</b>	\$380.00	\$428.00	\$418.00	\$406.00	\$341.00
<b>Price \$/ton Nectarine</b>	\$398.00	\$464.00	\$382.00	\$436.00	\$342.00

**Table 20B.** Percent difference from previous year for reported pounds of all AIs, acres treated, bearing acres, and prices for peaches and nectarines from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	14	-11	8	0	-1
<b>Acres Treated</b>	-1	-5	-2	-5	1
<b>Acres Bearing Peach</b>	-2	1	3	0	1
<b>Acres Bearing Nectarine</b>	0	3	0	0	0
<b>Acres Bearing Total</b>	-1	2	2	0	1
<b>Price \$/tons Peach</b>	-4	13	-2	-3	-16
<b>Price \$/tons Nectarine</b>	-3	17	-18	14	-22

**Figure 18.** Acres of peaches and nectarines treated by all AIs in the major types of pesticides from 1993 to 2004.



Peach and nectarine acreage treated with the major categories of pesticides has fluctuated from year to year since 1993 without substantial increasing or decreasing trends. Total pounds of

pesticide AI applied and total acres treated changed very little in 2004. The major insecticides used (by acres treated) in peaches and nectarines in 2004 were oils, esfenvalerate, phosmet, the pheromones E-8-dodecenyl acetate, Z-8-dodecenyl acetate, and Z-8-dodecenol, chlorpyrifos, and spinosad; the major fungicides used were sulfur, copper products, propiconazole, ziram, and iprodione; and the major herbicides used were glyphosate, oxyfluorfen, paraquat dichloride, simazine, and 2,4-D.

The largest change in pesticide use was an increase in the total weight of herbicides applied. Pesticides with the greatest percentage increase in pounds AI applied on peaches and nectarines from 2003 to 2004 were the insecticide carbaryl and the miticide hexythiazox; the herbicides glyphosate, oryzalin, oxyfluorfen, 2,4-D, and pendimethalin; and the fumigants chloropicrin and sodium tetrathiocarbonate. Major pesticides with the greatest percentage decreases were the miticide fenbutatin-oxide and the fungicides chlorothalonil, captan, and fenbuconazole. Three new pesticides, the insecticide methoxyfenozide and the fungicides pyraclostrobin and boscalid, saw significant use.

Crop prices, particularly for nectarines, were down substantially in 2004. When prices go down growers look for ways to reduce production costs, such as reducing pesticide applications. No major changes were clearly attributable to cost-cutting alone, however. The weather in 2004 had an important impact on pesticide use. It was favorable for stone fruit production, particularly in the northern region. A sunny February brought on early bloom, which was battered by rain. Nevertheless, fruit set was generally good. A March heat wave enhanced pollination of late varieties, and by the end of the month early varieties were beginning to show fruit. Continued warm, dry weather led to an early, high quality clingstone peach crop with a slightly higher per acre yield than in 2003. Freestone peaches and nectarines were harvested 10-14 days early and were also of good quality; per acre yield declined slightly due to varieties not sizing to their normal potential.

Controlling San Jose scale is a primary concern for freestone peach growers in the San Joaquin Valley. Heavier infestations require a dormant organophosphate spray plus oil or pyriproxyfen. If infestations are light, as they were in 2004, then oil alone is used. Katydid continue to be a secondary pest of concern. As growers continue to move away from using broad-spectrum pesticides, the incidence of fruit damage by katydids is more prevalent. Phosmet, methomyl, and spinosad are reportedly used to control katydid; the use of the first two increased modestly by pounds AI in 2004, while spinosad application decreased slightly. Many producers used pheromone mating disruption to control Oriental fruit moth and peach twig borer. The March heat brought moth flights on early, however, and some pests had an extra generation during 2004. The new insecticide methoxyfenozide is used for moth control. The long, dry growing season was also favorable for mites. Weather may account for a slight overall increase by weight in the use of insecticides and miticides, including considerable increases in carbaryl and hexythiazox. Clingstone peach growers are using less of the miticide fenbutatin-oxide because of resistance problems.

In comparison to a wet 2003, the warm, dry spring of 2004 reduced disease pressure and can account for the modest decline in fungicide applications by weight of AI. Sulfur use dropped 8 percent. Overall use of other fungicides, including chlorothalonil, captan, and fenbuconazole, was down by about 4 percent. New, lower-risk alternatives such as pyraclostrobin and boscalid are being substituted for older products.

Similarly, the long, dry 2004 stone fruit growing season meant a longer control period for weeds. This may largely account for the 32 percent overall increase in herbicide applications by weight of AI, including substantially greater use of glyphosate, oryzalin, oxyfluorfen, 2,4-D, and pendimethalin.

Total fumigant use by weight decreased slightly, by about 2 percent. The all-purpose fumigant methyl bromide is coming under increasing regulatory restriction. Preplant use of methyl bromide in stone fruit orchards held steady while acreage treated declined somewhat, perhaps due to changes in the pattern of strip treatments. There was a small decline in the postharvest use of methyl bromide. One reason for substantial increases in field application of the fumigants chloropicrin and sodium tetrathiocarbonate may be that they are alternatives to methyl bromide, at least in part.

## Strawberries

Strawberries are grown mostly for fresh market. Depending on market prices, some are processed. California strawberry production occurs primarily along the central and southern coast, with small but significant production occurring in the Central Valley.

**Table 21A.** Total reported pounds of all AIs, acres treated, acres harvested, and prices for strawberries each year from 2000 to 2004. Harvested acres from 2000 to 2003 are from CASS, October 2004; harvested acres in 2004 are from NASS, July 2005; all marketing year average prices are from NASS, July 2005.

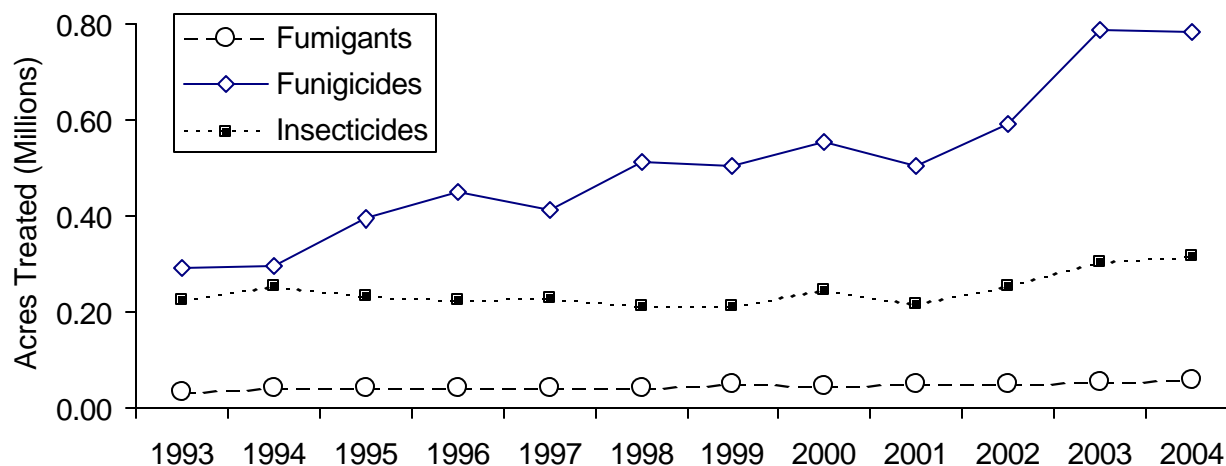
	2000	2001	2002	2003	2004
<b>Lbs AI</b>	7,742,885	7,892,756	8,208,032	9,175,187	9,566,254
<b>Acres Treated</b>	1,018,119	874,220	981,748	1,267,524	1,241,172
<b>Acres Harvested</b>	27,600	26,400	28,500	29,600	33,200
<b>Price \$/cwt</b>	\$61.40	\$70.60	\$67.40	\$72.80	\$74.20

**Table 21B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres harvested, and prices for strawberries from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-12	2	4	12	4
<b>Acres Treated</b>	13	-14	12	29	-2
<b>Acres Harvested</b>	7	-4	8	4	12
<b>Price \$/cwt</b>	-15	15	-5	8	2



**Figure 19.** Acres of strawberries treated by all AIs in the major types of pesticides from 1993 to 2004.



The major pesticides with greatest increase in percent of acres treated from 2003 to 2004 were boscalid, triflumizole, pyraclostrobin, sulfur, malathion, and fenpropathrin. The major pesticides with greatest decreased use per acre were, captan, thiram, myclobutanil, and *Bacillus thuringiensis* (Berliner).

The major pests of strawberries are botrytis, powdery mildew, and lygus bugs in the northern growing areas. Worms (various moth and beetle larvae) especially cutworms and beet armyworms continue to be particularly troublesome in the southern growing areas. The amount of strawberry acreage treated with pesticides has increased since 1993, with the exception of 1997, 2001, and 2004. In terms of total pounds AI, between 1993 and 2004 pesticide use increased most years except for 1997 and 2000. Fungicides and insecticides account for nearly all pesticide use increases seen during this period.

Most of the pesticides used, as measured by acres treated, were fungicides. Between 2003 and 2004 fungicide use held almost constant with a decrease of less than 1 percent. The major fungicides by acres treated in 2004 were captan, sulfur, fenhexamid, pyraclostrobin, and myclobutanil. The older registered fungicides (captan, thiram, thiophanate-methyl, and benomyl) and the newly registered fenhexamid, fludioxonil and cyprodinil are generally used to control Botrytis fruit rot, a major disease of strawberries. All of these products declined in use in 2004 in terms of pounds applied except thiophanate-methyl use, which increased slightly. This increase was likely due to increased acreage, specifically of summer planted strawberries. General declines in use of these products resulted from less favorable weather conditions for the development of Botrytis fruit rot. Thiram use continued the decline seen in 2003 over 2002 also because it was likely replaced by captan for resistance management. Following a 104 percent increase in 2003, thiophanate-methyl increased another 3 percent, and continues to replace benomyl as an inexpensive systemic fungicide. The manufacturer has voluntarily canceled benomyl.

Conventional strawberry growers primarily used sulfur and myclobutanil to control powdery mildew. Sulfur is inexpensive and is also used by organic growers. Increased acreage of both conventional and organic growers might also have contributed to the increased use of sulfur

despite somewhat less favorable weather conditions for disease development in 2004 over 2003. Nevertheless, powdery mildew pressure was high and many growers use sulfur exclusively to help control it. Boscalid, triflumizole and pyraclostrobin are new and effective fungicides for powdery mildew control first reported in 2003. Acres treated with these products increased substantially in 2004 over 2003. Boscalid is also used in combination with pyraclostrobin. Azoxystrobin is another new fungicide for strawberries that is very effective against anthracnose. Its use increased by 9 percent in 2004 over 2003.

Insecticide use increased by almost 4 percent. The major insecticides by acres treated were malathion, spinosad, methomyl, fenpropathrin, naled, bifenthrin, *Bacillus thuringiensis*, hexythiazox and abamectin. Use of all major broad-spectrum insecticides, such as malathion, methomyl, naled, fenpropathrin, and chlorpyrifos, increased due to increased acreage and pest pressure [primarily lygus, and worms (moth and beetle larvae)] in 2004. Fenpropathrin use increased primarily because it is one of only a few products effective against lygus bugs, which have become an increasing problem. It is also used in combination with malathion to control whitefly. Pyriproxyfen, a newly registered insect growth regulator, is effective against white flies. Pyriproxyfen increased in use in 2003 but then declined by 41 percent in 2004. Reduction of whitefly pressure has led to lower use of pyriproxyphen and imidacloprid (also a growth regulator) in favor of pyrethroids mixed with malathion. Reduction of petroleum oil use may have resulted in part from replacement by bifenthrin (which became available in 2002 for strawberries) and by neem oil. Reduction in two-spotted spider mite pressure in 2004 may also have resulted in some reduction in petroleum oil use. Reduction in use of *Bacillus thuringiensis* (all forms) is in part due to the greater effectiveness of spinosad for cutworm and beet armyworm control. Most conventional growers used the miticide bifenazate in 2003; its use remained relatively unchanged in 2004 despite increases in strawberry acreage. Some of the increased insecticide use over all might also be due to reduced use of methyl bromide and the change (from broadcast to bed fumigation) in the way methyl bromide alternatives were applied in 2003 and 2004. For instance, this change might have increased the usage of chlorpyrifos for worm control.

Strawberry production relies on several fumigants. Overall fumigant use increased by 9 percent, including chloropicrin, 1,3-D, metam sodium and metam potassium, with methyl bromide use declining. Fumigants usually are applied at higher rates than other pesticide types, such as fungicides and insecticides. Fumigants are applied at high rates, in part, because they treat a volume of space rather than a surface area such as leaves and stems of plants. Thus, the pounds applied are large relative to other pesticide types even though the number of applications or number of acres treated may be relatively small. Fumigants accounted for about 86 percent of all pesticide AIs by pounds applied in strawberries. Acres treated with methyl bromide decreased 10 percent from 20,593 acres in 2003 to 18,467 acres 2004. Methyl bromide pounds used decreased by 13 percent, from 3,671,982 pounds in 2003 to 3,190,832 pounds in 2004, despite a 12 percent increase in acres harvested. Decline in methyl bromide use continues a steady trend since a peak in 1999. This decrease in methyl bromide use was likely a result of increase in price for this fumigant due to the Montreal Protocol phase-out, and use of less costly replacements such as 1,3-D. However, township caps on 1,3-D are limiting use of this AI as well. Growers also appear to be replacing methyl bromide with 1,3-D formulated with various percentages of chloropicrin, chloropicrin alone, and metam sodium. 1,3-D use both in pounds and in acres treated with this fumigant increased 70 percent in 2004. Chloropicrin use in acres treated increased by 4.5 percent from 27,016 acres in 2003 to 28,242 acres in 2004. Acres treated with metam sodium increased by 55 percent from 1,127 acres in 2003 to 1,741 acres in 2004. Metam sodium is generally more

effective in controlling weeds, but less effective than 1,3-D or 1,3-D plus chloropicrin against soil-borne diseases and nematodes.

## Carrots

California is the largest producer of carrots in the United States, accounting for about 65 percent of all U.S. carrot production. California produces more than 1.1 million tons of carrots annually on about 70,000 acres, with a total crop value of nearly \$448 million. Carrots are grown for fresh market and processing. California has four main production regions for carrots: the San Joaquin Valley (Kern County), with significant production in Cuyama Valley (San Luis Obispo and Santa Barbara counties); the low desert (Imperial and Riverside counties); the high desert (Los Angeles County); and the central coast (Monterey County). The San Joaquin Valley accounts for more than half the state's acreage.

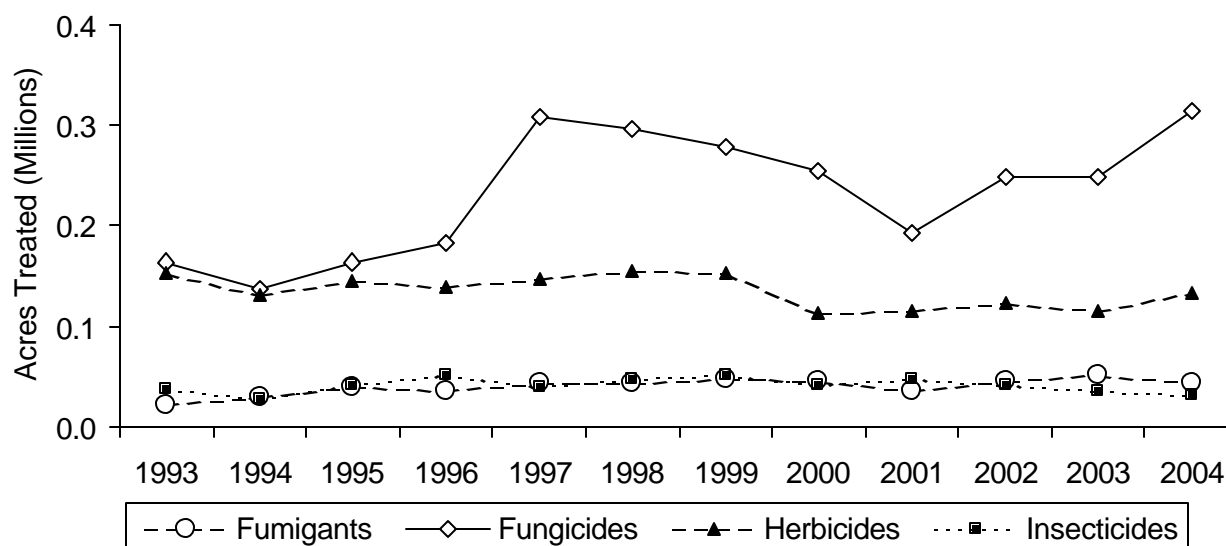
**Table 22A.** Total reported pounds of all AIs, acres treated, acres harvested, and prices for carrots each year from 2000 to 2004. Harvested acres of all carrots in 2000 to 2001 are from CDFA, 2002; harvested acres in 2002 and 2003 are from California Vegetable Review, CASS, January 2004; all marketing year average prices for fresh carrots are from NASS, July 2005.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	7,582,107	6,506,317	7,823,438	8,613,683	8,075,913
<b>Acres Treated</b>	412,294	359,125	426,126	448,463	503,022
<b>Acres Harvested</b>	73,900	72,300	71,100	71,500	70,800
<b>Price \$/cwt</b>	\$13.30	\$18.10	\$20.30	\$20.40	\$21.70

**Table 22B.** Percent difference from previous year for reported pounds of all AIs, acres treated, acres harvested, and prices for carrots from 2000 to 2004.

	2000	2001	2002	2003	2004
<b>Lbs AI</b>	-12	-14	20	10	-6
<b>Acres Treated</b>	-16	-13	19	5	12
<b>Acres Harvested</b>	-1	-2	-2	1	-1
<b>Price \$/cwt</b>	-23	36	12	0	6

**Figure 20.** Acres of carrots treated by all AIs in the major types of pesticides from 1993 to 2004.



Pesticide use (as acres treated) in carrots remained fairly constant between 1993 to 2004 except for an increase in fungicide use and a smaller increase in fumigant use. Pesticides used most (as measured by acres treated) were mefenoxam, linuron, trifluralin, iprodione, metam-sodium, sulfur, pyraclostrobin, copper hydroxide, chlorothalonil, 1,3-D, and fluazifop-p-butyl. The major pesticides with increased percentage in acres treated were polybutenes, boscalid, carbaryl, glyphosate, isopropylamine salt, pyraclostrobin, copper oxide, *Bacillus thuringiensis*, sulfur, and fluazifop-p-butyl. The major pesticides with decreased percentage use were tau-fluvalinate, fluazifop-p-butyl, cyfluthrin, azoxystrobin, and bifenthrin.

Cumulatively, the most used pesticide category for carrots, as measured by acres treated, was fungicides. From 2003 to 2004 acres treated with fungicides increased 27 percent while pounds increased by 4 percent. The most applied fungicides in 2004 were sulfur, chlorothalonil, copper hydroxide, mefenoxam, iprodione, copper oxide (ous), pyraclostrobin (registered in 2003), and azoxystrobin (registered in 2001). *Alternaria* leaf blight, a major foliar disease, is generally controlled by iprodione, chlorothalonil, pyraclostrobin, or azoxystrobin. Azoxystrobin and pyraclostrobin are strobilurins with the same mode of action. Increased use of pyraclostrobin probably resulted from market factors related to competition with azoxystrobin rather than to resistance to iprodione, although resistance has been documented. Weather conditions were normal without unusual *Alternaria* leaf blight development. Cavity spot is a major, troublesome soil-borne fungal disease that is commonly controlled by applying mefenoxam or metam sodium (a soil fumigant). Growers might have relied less on metam sodium use, which declined by 14 percent by weight, to manage this root disease in 2004, resulting in an increased use of mefenoxam. Powdery mildew is primarily controlled by sulfur, which is inexpensive and especially popular with organic growers. Azoxystrobin is an alternative to sulfur, although more expensive.

The main herbicides used in carrot production were linuron, trifluralin, fluazifop-p-butyl, and glyphosate. The two most important are linuron (55,620 pounds, 75,865 acres treated) and trifluralin (29,486 pounds, 39,934 acres treated). Linuron, a postemergence herbicide, provides good control of broadleaf weeds and small grasses. Trifluralin, a preemergent herbicide, is used

by carrot growers to complement linuron for weed management. There are no alternatives to trifluralin. However, metam sodium and crop rotation may be more effective for controlling specific weeds, e.g., nut sedges, especially purple nutsedge.

Carrot production relies on the fumigants 1,3-D, chloropicrin, and metam sodium. These fumigants are used at high rates to control soil-borne pests. Methyl bromide is no longer used on carrots. In 2004, fumigants accounted for about 82 percent of the total pounds of pesticide AIs applied to carrots. This figure is unchanged from 2003 because both pounds of fumigants and total pounds of pesticide used declined. Although acres treated with fumigants decreased by 14 percent, 1,3-D use increased by 5 percent. Use of metam sodium, primarily for weeds, soil-borne pathogens, and nematodes, declined 19 percent (acres treated) and 14 percent (pounds). Chloropicrin use also decreased by 45 percent (acres treated) and 27 percent (pounds). Chloropicrin like metam sodium appears to have decreased due primarily to concerns about off-gassing. These products are perhaps being replaced to some extent by mefenoxam as described above. Chloropicrin is not used by itself in carrot production, but it is contained in a formulation of 1,3-D. Therefore, increased use of 1,3-D formulations that do not contain chloropicrin is suggested. 1,3-D is used primarily to control various nematodes and secondarily against wireworms and symphylans. Overall pounds of fumigant declined 8 percent in carrot production.

Insects are generally not a major problem in carrot production, except for white flies that are controlled with esfenvalerate. The major insecticides used in 2004 were esfenvalerate, diazinon, methomyl, cyfluthrin, malathion, bifenthrin, tau-fluvalinate, carbaryl, and spinosad. In 2004, esfenvalerate and methomyl use (as acres treated) decreased 45 and 51 percent respectively due to decreased white fly pressure and growers switching to carbaryl. Use of foliar spray formulations of carbaryl for control of armyworms, leafhoppers, and flea beetles increased 3.66-fold, while bait formulations increased 100-fold. Baits are used primarily to control migratory pests including saltmarsh caterpillars and cutworms.

## Sources of Information

Adaskaveg, J., Holtz, J., Michailides, T., and D. Gubler. 2005. *Efficacy and Timing of Fungicides, Bactericides, and Biologicals for Deciduous Tree Fruit, Nut Crops, and Grapevines*. University of California, Riverside and Davis; University of California Cooperative Extension, Madera County; and the University of California, Davis/Kearney Agricultural Center. Linked to Pest Management Guidelines on the UC IPM Web site, <<http://www.ipm.ucdavis.edu>>.

Almond Board of California. <<http://www.almondboard.com>> (October 2005).

Blue Diamond Growers. <<http://www.bluediamond.com>> (October 2005).

[CASS] California Agricultural Statistics Service. October 2004. California Agricultural Statistics 2003.

CASS. 2004. California Fruit and Nut Review. January-October, December.

CASS. January 2005. California Field Crop Review.

CASS. March 2005. 2004 California Grape Acreage Report.

[CDFA] California Department of Food and Agriculture. 2002. Resource Directory California Agriculture: A Tradition in Innovation. Sacramento, CA.

County Agricultural Commissioners

Growers

Hutmacher, R.B., P. Goodell. 2005. 2004 SJV growing season review: weather conditions, pests and the crop. California Cotton Review 75: 1 -2.

Kurtz, E.A. 2001. Crop Profile for Iceberg Lettuce in California. Western Region Pest Management Center, United States Department of Agriculture.

[NASS] National Agricultural Statistics Service. July 2001. Agricultural Prices 2000 Summary. USDA. Pr 1-3 (01)a.

NASS. July 2002. Agricultural Prices 2001 Summary. USDA. Pr 1-3 (02)a.

NASS. January 2002. Vegetables 2001 Summary. USDA. Vg 1-2 (02).

NASS. July 2003. Agricultural Prices 2002 Summary. USDA. Pr 1-3 (03)a.

NASS. July 2004. Agricultural Prices 2003 Summary. USDA. Pr 1-3 (04).

NASS. September 2004. Citrus Fruits 2004 Summary. USDA. Fr Nt 3-1 (04) a.

NASS. July 2005. Agricultural Prices 2004 Summary. USDA. Pr 1-3 (05)a.

NASS. July 2005. Noncitrus Fruits and Nuts 2004 Summary. USDA. Fr Nt 1-3 (05).

NASS. January 2005. Vegetables 2004 Summary. USDA. Vg 1-2 (05).

[NOAA] National Oceanic and Atmospheric Administration. 2005. *Climate of 2004 – Annual Review U.S. Summary*. National Climatic Data Center, January 13.

<<http://www.ncdc.noaa.gov/oa/climate/research/2004/ann/ann04.html>>

<<http://www.ncdc.noaa.gov/oa/climate/research/cag3/cag3.html>> (searches)

<<http://www.ncdc.noaa.gov/oa/climate/research/2004/ann/us-summary.html>>

Number of acres planted: acres\_planted\_pur United State Department of Agriculture, Vegetables? 2004 Summary? July 2005.

Pest Control Advisors

Pest Management Strategic Plan for California and Arizona Lettuce Production 2003. Summary of a workshop held on June 18, 2002. United States Department of Agriculture, Salinas, Calif.

Private Consultants

[UC] University of California Cooperative Extension Area IPM Advisors

UC Cooperative Extension Farm Advisors

UC Cooperative Extension Specialists

UC Researchers

Weather station data from California Irrigation Management Information System (CIMIS), California Department of Water Resources.

<<http://www.cimis.water.ca.gov/cimjsp/WeatherStations.jsp>>.

Williams, Michael. 2005. Cotton Insect Losses – 2004.  
<<http://www.msstate.edu/Entomology/Cotton.html>>.



## **VI. SUMMARY OF PESTICIDE USE REPORT DATA 2004 INDEXED BY CHEMICAL**

The following report presents information of statewide pesticide use for 2004. For each chemical, the commodity on which it was used, total pounds applied, the number of agricultural applications made, and the amount of commodity treated are summarized.

A summary by commodity is presented in a separate report, *Summary of Pesticide Use Report Data 2004 Indexed by Commodity*. Both versions of the Pesticide Use Report can be purchased from DPR or downloaded from the DPR web site at [www.cdpr.ca.gov](http://www.cdpr.ca.gov).

**Department of Pesticide Regulation**  
**2004 Annual Statewide Pesticide Use Report**  
**Indexed by Chemical**

Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>ABAMECTIN</b>					
	ALFALFA	31.8466	71	3,682.00	A
	ALMOND	2,489.0612	4,279	342,895.26	A
	APPLE	34.6576	74	2,186.71	A
	AVOCADO	464.6932	934	22,757.18	A
		0.1236	1	460.00	U
	TOTAL POUNDS ON THIS COMMODITY	464.8168			
	BASIL, SWEET	0.7247	42	56.20	A
	CANTALOUPE	150.8217	248	21,112.90	A
	CAULIFLOWER	0.0596	2	16.90	A
	CELERIAC	0.6645	45	175.56	A
	CELERY	189.4681	1,733	16,668.62	A
	CHRISTMAS TREE	0.0445	2	7.00	A
	CITRUS	1.5322	7	178.00	A
	COTTON	2,354.2365	4,532	337,191.23	A
	CUCUMBER	22.6775	75	2,606.20	A
	GRAPE	346.4062	654	28,589.29	A
	GRAPE, WINE	226.8735	417	20,257.28	A
	GRAPEFRUIT	0.7008	13	46.28	A
	GREENHOUSE FUMIGATION	0.0022		4,592.00	S
	LANDSCAPE MAINTENANCE	7.6336			
	LEMON	163.8146	843	15,298.00	A
	LETTUCE, HEAD	348.8171	3,101	50,524.82	A
		0.0015	3	3,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	348.8186			
	LETTUCE, LEAF	0.0445	1	9.00	A
	LIME	0.0433	1	1.50	A
	MELON	20.0274	75	3,000.83	A
	N-GRNHS FLOWER	34.1691	1,264	2,610.45	A
		13.1895	360	14,414,668.00	S
	TOTAL POUNDS ON THIS COMMODITY	47.3586			
	N-GRNHS PLANTS IN CONTAINERS	27.3069	1,781	2,391.83	A
		24.3630	1,504	56,700,754.68	S
		0.1166	24	404,090.00	U
		0.0035			
	TOTAL POUNDS ON THIS COMMODITY	51.7900			
	N-GRNHS TRANSPLANTS	1.4986	117	110.17	A
		0.7470	136	2,657,114.00	S
		0.0012			
	TOTAL POUNDS ON THIS COMMODITY	2.2468			
	N-OUTDR FLOWER	13.1515	361	1,239.71	A
		0.3166	27	758,997.00	S
		0.1706	1	200,000.00	U
		0.0078		3.50	P
	TOTAL POUNDS ON THIS COMMODITY	13.6465			
	N-OUTDR PLANTS IN CONTAINERS	81.3374	2,006	8,714.54	A
		3.1828	340	9,848,424.00	S
		0.2007	24	131,366.00	U
	TOTAL POUNDS ON THIS COMMODITY	84.7209			
	N-OUTDR TRANSPLANTS	11.1871	342	1,404.70	A
		0.7930	47	2,202,529.00	S
	TOTAL POUNDS ON THIS COMMODITY	11.9801			
	ORANGE	233.6469	660	25,304.88	A
	PEAR	162.2666	346	11,242.61	A
	PEPPER, FRUITING	81.0481	231	7,142.29	A
	PEPPER, SPICE	3.4657	7	203.70	A
	POTATO	6.1495	9	656.42	A
	PUMPKIN	14.1635	32	1,151.00	A
	RASPBERRY	0.5134	1	34.62	A
	REGULATORY PEST CONTROL	0.6832			
		0.0004		200.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6836			
	RESEARCH COMMODITY	0.8722			
		0.0977	8	1.35	A
		0.0281	19	84,560.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.9980			
	RIGHTS OF WAY	0.0566			
	SOIL FUMIGATION/PREPLANT	0.7722	3	175.10	A
	SPINACH	46.5029	518	3,713.38	A

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>ABAMECTIN</b>					
	SQUASH	4.7616	29	541.10	A
	STRAWBERRY	249.0026	596	13,753.15	A
	STRUCTURAL PEST CONTROL	19.5023			
	TANGELO	2.6577	11	258.00	A
	TANGERINE	47.1034	84	5,698.92	A
	TOMATO	62.3073	149	4,705.78	A
	TOMATO, PROCESSING	112.2153	176	14,388.03	A
	VERTEBRATE CONTROL	0.0001			
	WALNUT	188.1415	380	14,811.88	A
	WATERMELON	103.8983	325	11,775.12	A
	Chemical Total	8,406.5762	29,071		
<b>ABAMECTIN, OTHER RELATED</b>					
	STRUCTURAL PEST CONTROL	0.0004			
	Chemical Total	0.0004			
<b>ABIETIC ANHYDRIDE</b>					
	ALFALFA	1.8792	1	40.00	A
	LEMON	0.1057	1	3.00	A
	RIGHTS OF WAY	12.3474			
	Chemical Total	14.3323	2		
<b>ACETAMIPRID</b>					
	ALFALFA	4.2420	1	97.00	A
	APPLE	693.3032	188	5,798.13	A
		0.0132	1	14.00	U
	TOTAL POUNDS ON THIS COMMODITY	693.3164			
	ARRUGULA	1.6142	1	30.00	A
	BOK CHOY	10.0233	102	132.75	A
	BROCCOLI	726.6459	711	10,733.80	A
	BRUSSELS SPROUT	11.4142	32	192.24	A
	CABBAGE	58.9065	120	1,089.16	A
	CANOLA (RAPE)	6.8600	3	152.50	A
	CARDOON	0.9975	5	15.20	A
	CARROT	4.4450	3	92.50	A
	CAULIFLOWER	202.5546	235	3,437.27	A
	CELERY	1,135.7555	1,429	19,191.48	A
	CHICORY	35.4705	36	503.10	A
	CHINESE CABBAGE (NAPPA)	12.7126	80	191.48	A
	CILANTRO	0.5040	1	3.50	A
	CITRUS	8.7019	7	74.00	A
	COLLARD	0.3710	2	5.00	A
	COTTON	20,585.1013	4,015	348,106.95	A
	EGGPLANT	2.3131	3	31.60	A
	ENDIVE (ESCAROLE)	61.7085	368	903.41	A
	FENNEL	9.1840	20	132.10	A
	GRAPE	662.5013	353	14,978.34	A
	GRAPE, WINE	713.8042	251	17,263.54	A
	GRAPEFRUIT	15.7745	10	184.00	A
	KALE	98.2044	155	1,389.37	A
	KOHLRABI	0.0280	1	0.33	A
	LANDSCAPE MAINTENANCE	54.1722			
	LEMON	135.3591	74	1,290.90	A
	LETTUCE, HEAD	2,143.4907	2,461	33,427.92	A
	LETTUCE, LEAF	2,610.3720	4,082	40,533.08	A
	MIZUNA	2.2596	2	40.00	A
	MUSTARD	2.7794	21	48.60	A
	N-GRNHS FLOWER	144.7174	264	433.84	A
		44.8858	64	3,046,220.00	S
	TOTAL POUNDS ON THIS COMMODITY	189.6032			
	N-GRNHS PLANTS IN CONTAINERS	72.0291	211	362.29	A
		18.5098	168	5,073,100.98	S
		0.1043	2	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	90.6432			

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<b>ACETAMIPRID</b>					
	N-GRNHS TRANSPLANTS	23.9978	56	42.09	A
		0.2516	3	59,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	24.2494			
	N-OUTDR FLOWER	29.7275	55	136.13	A
		2.6578	11	150,980.00	S
	TOTAL POUNDS ON THIS COMMODITY	32.3853			
	N-OUTDR PLANTS IN CONTAINERS	257.8854	310	1,683.26	A
		11.3213	51	1,571,128.00	S
	TOTAL POUNDS ON THIS COMMODITY	269.2067			
	N-OUTDR TRANSPLANTS	8.3737	41	202.32	A
		0.0328	1	7,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.4065			
	ORANGE	1,251.2149	301	8,881.42	A
	PARSLEY	0.1750	1	4.00	A
	PEACH	2.2838	1	18.00	A
	PEAR	455.7182	110	3,299.15	A
		0.0132	1	13.00	U
	TOTAL POUNDS ON THIS COMMODITY	455.7314			
	PEPPER, FRUITING	76.2619	56	1,355.32	A
	PEPPER, SPICE	8.7602	10	134.50	A
	PIMENTO	2.1070	2	40.00	A
	QUINCE	14.1007	8	97.00	A
	RAPPINI	132.8237	85	2,081.10	A
	RESEARCH COMMODITY	0.8859	6	52.50	A
		0.8249			
	TOTAL POUNDS ON THIS COMMODITY	1.7108			
	SPINACH	186.4104	398	3,278.54	A
	STRUCTURAL PEST CONTROL	35.0000			
	SWISS CHARD	16.8731	74	246.10	A
	TANGELO	48.6334	11	263.76	A
	TANGERINE	14.0018	7	171.50	A
	TOMATO	103.6937	41	1,828.70	A
	TOMATO, PROCESSING	1,732.4384	330	29,658.83	A
	UNKNOWN	6.4186	3	127.50	A
	VEGETABLES, LEAFY	2.5299	11	63.57	A
	Chemical Total	34,717.2504	17,466		
<b>ACEPHATE</b>					
	BARLEY	135.6060	2	139.80	A
	BEAN, DRIED	4,487.6740	118	5,383.99	A
	BEAN, SUCCULENT	2,371.3414	77	2,673.52	A
	BEAN, UNSPECIFIED	1,820.8365	66	2,246.82	A
	BERMUDAGRASS	60.0000	2	70.00	A
	BLACKBERRY	12.0000	1	16.00	A
	BRUSSELS SPROUT	2.9925	1	3.00	A
	CARROT	1.0725	1	1.90	A
	CAULIFLOWER	2,399.5757	286	2,530.26	A
	CELERY	17,048.5480	1,681	19,055.26	A
	CITRUS	268.1250	9	365.00	A
	COTTON	36,070.1586	745	48,556.11	A
		18,696.1956		3,428.34	T
	TOTAL POUNDS ON THIS COMMODITY	54,766.3542			
	GRAPE, WINE	0.5157	2	7.00	A
	GRAPEFRUIT	4.6875	2	16.80	A
	LANDSCAPE MAINTENANCE	6,522.0239			
		0.0938	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	6,522.1177			
	LEMON	269.4975	15	396.60	A
	LETTUCE, HEAD	82,660.6214	6,970	94,925.87	A
	LETTUCE, LEAF	281.2875	19	373.90	A
	MINT	1,169.0769	23	1,224.00	A
	N-GRNHS FLOWER	1,066.2938	589	1,073.60	A
		568.3168	316	12,627,078.00	S
		0.1407	2	356.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,634.7513			

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<b>ACEPHATE</b>					
	N-GRNHS PLANTS IN CONTAINERS	1,650.2122	1,239	1,636.64	A
		502.7035	643	17,420,687.82	S
		6.6321	10	50,520.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,159.5478			
	N-GRNHS TRANSPLANTS	125.0491	130	234.14	A
		43.8241	95	1,673,544.00	S
		0.0910			
		0.0352	2	18.00	U
	TOTAL POUNDS ON THIS COMMODITY	168.9994			
	N-OUTDR FLOWER	3,057.8168	1,492	5,650.94	A
		40.8484	63	2,380,802.00	S
		30.8581		63.70	P
		7.6213	4	684.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,137.1446			
	N-OUTDR PLANTS IN CONTAINERS	7,618.1734	2,545	10,132.46	A
		292.7563	433	7,877,784.00	S
		22.6341	31	1,184,195.00	U
	TOTAL POUNDS ON THIS COMMODITY	7,933.5638			
	N-OUTDR TRANSPLANTS	2,652.4764	428	3,305.35	A
		266.6055	213	14,486,049.00	S
		37.5000	10	1,060,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,956.5819			
	ORANGE	563.1930	119	1,771.80	A
	PEPPER, FRUITING	5,203.7700	191	6,887.65	A
	PEPPER, SPICE	112.7625	7	190.20	A
	PISTACHIO	243.1674	6	371.05	A
	PUBLIC HEALTH	10.0880			
	REGULATORY PEST CONTROL	0.0503			
	RESEARCH COMMODITY	26.9206			
		0.5625	1	0.50	A
	TOTAL POUNDS ON THIS COMMODITY	27.4831			
	RIGHTS OF WAY	187.8596			
		6.2250	2	5.15	A
	TOTAL POUNDS ON THIS COMMODITY	194.0846			
	SORGHUM/MILO	6.0000	1	38.00	A
	SPINACH	1.8750	1	0.81	A
	STRUCTURAL PEST CONTROL	5,726.9175			
	TANGELO	43.8750	7	88.50	A
	TANGERINE	280.5375	10	841.79	A
	UNCULTIVATED AG	104.5276	10	136.34	A
	UNCULTIVATED NON-AG	0.2813	1	60.00	A
	VERTEBRATE CONTROL	24.7650	2	184.30	A
		0.3840			
	TOTAL POUNDS ON THIS COMMODITY	25.1490			
	Chemical Total	204,816.2806	18,624		
<b>ACETIC ACID</b>					
	ALMOND	0.0197	10	179.00	A
	CORN (FORAGE - FODDER)	0.0010	1	65.00	A
	GRAPE, WINE	0.0068	2	46.00	A
	RIGHTS OF WAY	0.0011			
	Chemical Total	0.0286	13		
<b>ACIBENZOLAR-S-METHYL</b>					
	LETTUCE, HEAD	171.8150	387	5,510.49	A
	LETTUCE, LEAF	319.1505	1,173	10,472.86	A
	N-GRNHS TRANSPLANTS	0.0604	4	2.52	A
	N-OUTDR PLANTS IN CONTAINERS	0.0950	1	0.25	A
	RESEARCH COMMODITY	0.0625			
	SPINACH	222.5531	1,302	9,427.59	A
	Chemical Total	713.7365	2,867		

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<b>ACID BLUE 9, DIAMMONIUM SALT</b>					
	LANDSCAPE MAINTENANCE	2,304.2937			
		13.0858	2	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,317.3795			
	N-OUTDR PLANTS IN CONTAINERS	0.0596	3	2.50	A
	RIGHTS OF WAY	50.8710			
	STRUCTURAL PEST CONTROL	19.6287			
	WATER (INDUSTRIAL)	4.3619		2.00	A
	WATER AREA	880.1547	23	9,674.47	A
		9.4054		5,040,002.00	U
	TOTAL POUNDS ON THIS COMMODITY	889.5601			
	Chemical Total	3,281.8608	28		
<b>ACIFLUORFEN, SODIUM SALT</b>					
	GRAPE, WINE	1.0700	1	2.50	A
	LANDSCAPE MAINTENANCE	16.3274			
	VERTEBRATE CONTROL	0.8572			
	Chemical Total	18.2546	1		
<b>ACROLEIN</b>					
	ALFALFA	455.7860	2	120.00	A
	DITCH BANK	45.2435	1	2.00	U
	LANDSCAPE MAINTENANCE	2,427.9317			
	RANGELAND	102.5518	1	25.00	A
	RIGHTS OF WAY	190,159.1135			
	STRUCTURAL PEST CONTROL	597.8839			
	UNCULTIVATED AG	103.8924	1	14.00	A
	UNCULTIVATED NON-AG	7.0379	1	2.00	A
	WATER (INDUSTRIAL)	710.4899		240.00	C
	WATER AREA	7,808.3133		716.00	U
		5,797.8654		2,311.00	C
		2,797.7213		413.73	A
	TOTAL POUNDS ON THIS COMMODITY	16,403.9000			
	Chemical Total	211,013.8306	6		
<b>ACRYLAMIDE/SODIUM ACRYLATE COPOLYMER</b>					
	BROCCOLI	0.4949	1	9.60	A
	COTTON	7.9623	2	204.00	A
	GARLIC	16.6615	9	1,158.00	A
	GRAPE	0.8592	3	8.00	A
	GRAPE, WINE	0.1031	1	6.00	A
	TOMATO, PROCESSING	3.9654	2	306.00	A
	WHEAT	2.9117	5	784.00	A
	WHEAT (FORAGE - FODDER)	1.0998	1	8.00	A
	Chemical Total	34.0579	24		
<b>ACRYLIC ACID</b>					
	CHINESE GREENS	0.0284	1	24,000.00	S
	Chemical Total	0.0284	1		
<b>AGROBACTERIUM RADIOBACTER</b>					
	ALMOND	1.7150	21	332.81	A
		0.0125	1	96.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.7275			
	CHERRY	0.0008	1	0.10	A
	GRAPE, WINE	0.0148	1	6.00	A
	N-GRNHS FLOWER	0.1187	3	3.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0515	33	133,100.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.2530	6	26.00	A
	WALNUT	0.0552	6	122.00	A
	Chemical Total	2.2215	72		

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<b>AGROBACTERIUM RADIOBACTER, STRAIN K1026</b>					
	CHERRY	0.0055	1	1,200.00	U
		0.0003	1	70.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0058			
	WALNUT	0.0116	21	453.50	A
	Chemical Total	0.0174	23		
<b>ALACHLOR</b>					
	BEAN, DRIED	2,410.8697	17	841.00	A
	BEAN, SUCCULENT	1,692.5739	29	757.10	A
	BEAN, UNSPECIFIED	8,228.4418	90	2,668.50	A
	CORN (FORAGE - FODDER)	3,643.7013	50	1,360.50	A
	CORN, HUMAN CONSUMPTION	11,148.5652	157	4,216.06	A
	N-OUTDR FLOWER	14.9545	1	15.00	A
	SOIL FUMIGATION/PREPLANT	89.7272	1	30.00	A
	Chemical Total	27,228.8336	345		
<b>ALCOHOL SULFATES</b>					
	ALFALFA	13.4470	12	434.00	A
	OAT (FORAGE - FODDER)	3.8698	2	145.00	A
	Chemical Total	17.3168	14		
<b>ALCOHOLS, C4-C12, NORMAL</b>					
	ALFALFA	115.9390	220	12,513.56	A
	ALMOND	34.3822	24	1,216.40	A
	APRICOT	0.0909	1	45.00	A
	BEAN, DRIED	2.5902	5	198.00	A
	CANTALOUPE	3.2936	4	216.00	A
	CARROT	2.0378	3	203.00	A
	CELERY	0.5765	5	105.14	A
	CHERRY	1.4992	3	100.00	A
	CHICORY	1.7062	1	85.00	A
	CLOVER	5.6867	11	283.50	A
	CORN (FORAGE - FODDER)	44.4453	114	5,722.76	A
	COTTON	693.5519	915	71,663.45	A
	GARLIC	1.4653	1	146.00	A
	GRAPE	2.3037	13	421.00	A
	GRAPE, WINE	1.3955	2	175.00	A
	LANDSCAPE MAINTENANCE	0.0094			
	LETTUCE, HEAD	7.7459	13	270.50	A
	LETTUCE, LEAF	3.3346	31	341.24	A
	MELON	1.9070	2	130.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.2275	2	20.00	A
	OAT	0.2007	2	25.00	A
	ONION, DRY	1.6396	3	374.00	A
	PEACH	0.0805	1	40.00	A
	PEPPER, FRUITING	1.2646	5	179.00	A
	PISTACHIO	1.0968	3	145.00	A
	PRUNE	0.5942	1	37.00	A
	PUMPKIN	1.2044	1	20.00	A
	RIGHTS OF WAY	0.2007			
	SAFFLOWER	0.1253	1	10.00	A
	SOIL FUMIGATION/PREPLANT	6.1210	26	1,325.80	A
	SORGHUM/MILO	0.1510	1	75.00	A
	STRAWBERRY	0.0835	2	52.00	A
	TOMATO	7.3882	6	832.80	A
	TOMATO, PROCESSING	119.5296	95	11,779.89	A
	UNCULTIVATED AG	2.6878	6	114.00	A
	WALNUT	3.5734	14	476.00	A
	WATERMELON	2.8052	8	409.00	A
	WHEAT	0.9593	10	694.00	A
	WHEAT (FORAGE - FODDER)	0.1277	4	253.00	A
	Chemical Total	1,074.0219	1,559		

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<b>ALDICARB</b>					
	ALFALFA	495.7500	6	265.00	A
	ALMOND	252.0000	1	120.00	A
	BEAN, DRIED	108.0000	3	134.20	A
	COTTON	222,904.2176	2,798	215,381.46	A
	LANDSCAPE MAINTENANCE	0.7200			
	N-GRNHS FLOWER	0.3125	1	5,700.00	S
	N-GRNHS PLANTS IN CONTAINERS	1.0250	2	80,200.00	S
	N-OUTDR PLANTS IN CONTAINERS	870.2000	10	334.00	A
		7.9750	4	66,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	878.1750			
	PECAN	6,347.7000	42	1,290.00	A
	RESEARCH COMMODITY	23.1000	1	11.00	A
	STRUCTURAL PEST CONTROL	0.3500			
	SUGARBEET	0.6600	3	0.50	A
	Chemical Total	231,012.0101	2,871		
<b>ALPHA-ALKYLARYL-OMEGA-HYDROXPOLY (OXYETHYLENE)</b>					
	ALFALFA	12,195.1568	951	61,509.46	A
	ALMOND	33,112.0658	1,315	77,949.35	A
		0.4038		36.00	T
		0.1683		18.00	U
	TOTAL POUNDS ON THIS COMMODITY	33,112.6379			
	APPLE	572.3833	78	861.54	A
	APRICOT	93.7500	43	281.70	A
	ASPARAGUS	1,188.3478	36	2,189.02	A
	AVOCADO	22.2362	6	144.00	A
	BARLEY	297.0887	16	1,890.20	A
	BEAN, DRIED	64.6515	14	493.50	A
	BEAN, UNSPECIFIED	21.9569	11	577.25	A
	BLACKBERRY	8.7682	2	8.00	A
	BROCCOLI	416.7944	19	1,612.91	A
	CANTALOUPE	3,208.4303	131	14,941.10	A
	CARROT	3.3096	7	456.00	A
	CAULIFLOWER	1.4185	1	14.00	A
	CHERRY	1,446.1070	67	1,953.24	A
	CITRUS	23.7545	21	138.50	A
	CORN (FORAGE - FODDER)	2,550.1325	330	14,897.81	A
	CORN, HUMAN CONSUMPTION	181.3325	31	1,604.10	A
	COTTON	73,516.0569	4,410	394,070.12	A
	CUCUMBER	6.7421	1	100.00	A
	EGGPLANT	0.0505	1	20.00	A
	FIG	160.0606	10	734.00	A
	FOREST, TIMBERLAND	11.6620	1	19.72	A
	FUMIGATION, OTHER	0.4384			
	GARLIC	920.7034	37	4,084.40	A
	GRAPE	11,431.1758	1,156	42,161.66	A
	GRAPE, WINE	13,864.1334	825	57,624.01	A
	GRAPEFRUIT	1.3152	2	20.00	A
	HERB, SPICE	0.3799	7	29.00	A
	KIWI	11.2968	9	56.52	A
	LANDSCAPE MAINTENANCE	140.3572			
	LEMON	333.2606	39	1,344.10	A
	LETTUCE, HEAD	1,729.8502	89	2,476.57	A
	LETTUCE, LEAF	4.3490	3	30.00	A
	MELON	173.5055	11	1,018.00	A
	MINT	0.0543	1	2.00	A
	N-GRNHS PLANTS IN CONTAINERS	3.5073	1	1.00	A
		0.0288	1	600.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.5361			
	N-OUTDR PLANTS IN CONTAINERS	148.6536	38	595.25	A
	N-OUTDR TRANSPLANTS	2.7358	3	30.00	A
	NECTARINE	5,316.0245	2,387	34,518.12	A
	OAT	65.4106	9	371.00	A
	OAT (FORAGE - FODDER)	76.7904	8	436.00	A
	OLIVE	384.5977	11	547.00	A
	ONION, DRY	654.0013	71	6,737.61	A
	ONION, GREEN	1.7536	1	10.00	A



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<b>ALPHA-ALKYLARYL-OMEGA-HYDROXPOLY (OXYETHYLENE)</b>					
	ORANGE	5,792.0004	511	13,898.69	A
	PARSLEY	109.5123	4	391.00	A
	PEACH	3,849.6000	2,251	18,870.35	A
	PEAR	131.8112	20	218.00	A
	PEPPER, FRUITING	441.3829	27	1,252.10	A
	PERSIMMON	12.5396	6	21.84	A
	PISTACHIO	5,489.0116	255	15,310.86	A
	PLUM	2,146.7445	889	8,092.21	A
	POMEGRANATE	65.5858	7	236.00	A
	POTATO	0.6690	21	800.00	A
	PRUNE	690.4442	50	1,403.43	A
	PUMPKIN	6.1378	2	3.50	A
	RANGELAND	52.3088	3	146.50	A
	RESEARCH COMMODITY	9.7546	5	11.00	A
	RICE	6.4422	1	226.00	A
	RIGHTS OF WAY	3,924.1183			
		6.5761	5	15.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,930.6944			
	SAFFLOWER	12.8615	2	77.00	A
	SOIL FUMIGATION/PREPLANT	595.9339	31	2,199.40	A
	SQUASH	1.7578	2	10.25	A
	STRAWBERRY	0.3034	2	18.00	A
	SUDANGRASS	28.0582	3	148.00	A
	SUGARBEET	302.7026	38	4,152.90	A
	TANGELO	95.0551	9	245.00	A
	TANGERINE	263.8638	28	784.74	A
	TOMATO	2,195.9255	208	15,242.60	A
	TOMATO, PROCESSING	4,880.6723	316	30,846.42	A
	UNCULTIVATED AG	130.9797	18	1,058.80	A
	UNCULTIVATED NON-AG	220.9574	13	159.00	A
	UNKNOWN	19.7504	1	145.00	A
	WALNUT	5,046.5759	283	11,197.07	A
	WATERMELON	319.0206	20	1,356.50	A
	WHEAT	3,046.7168	173	19,426.20	A
	WHEAT (FORAGE - FODDER)	894.6199	98	5,198.06	A
	Chemical Total	205,157.5461	17,513		
<b>ALKYL (AS IN FATTY ACIDS OF COCONUT OIL) MONOETHANOLAMIDE</b>					
	LANDSCAPE MAINTENANCE	0.1297			
	STRUCTURAL PEST CONTROL	116.4069			
	Chemical Total	116.5366			
<b>ALKYL BENZENE SULFONIC ACID</b>					
	ALMOND	28.8362	4	377.60	A
	AVOCADO	1.5864	1	250.00	A
	BEAN, DRIED	0.1289	1	47.00	A
	COTTON	47.6016	47	4,165.30	A
	GRAPE	128.8249	165	5,795.73	A
	GRAPE, WINE	4.3793	15	106.38	A
	GRAPEFRUIT	6.9739	9	81.00	A
	LEMON	6.7313	4	136.00	A
	NECTARINE	11.3900	29	490.62	A
	ORANGE	363.6526	138	5,944.80	A
	PEPPER, FRUITING	0.6198	5	228.00	A
	POTATO	1.8193	7	451.69	A
	TANGERINE	34.4037	19	786.00	A
	TOMATO, PROCESSING	0.9380	4	276.00	A
	WALNUT	0.4817	1	15.00	A
	Chemical Total	638.3676	449		

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<b>ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	1,684.6113		450.00	U
		532.6546	1	421.36	A
		16.7933		2,634.00	K
		0.0000		112.77	S
	TOTAL POUNDS ON THIS COMMODITY	2,234.0592			
	FOOD PROCESSING PLANT	1.7091		317,158.00	S
	FUMIGATION, OTHER	0.2165			
	LANDSCAPE MAINTENANCE	2,571.1779			
	N-GRNHS FLOWER	0.0994	1	3.00	A
	N-GRNHS PLANTS IN CONTAINERS	7.6943	26	14.31	A
	N-GRNHS TRANSPLANTS	23.3225	8	48,000.00	S
	N-OUTDR FLOWER	0.0512	6	720.00	U
		0.0399	4	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0911			
	N-OUTDR PLANTS IN CONTAINERS	17.5033	34	53.10	A
	N-OUTDR TRANSPLANTS	0.0285	1	200.00	U
	PUBLIC HEALTH	0.0167			
	RIGHTS OF WAY	1.8670			
	STRUCTURAL PEST CONTROL	109.9483			
	Chemical Total	4,967.7338	81		
<b>ALKYL (58%C14, 28%C16, 14%C12) DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	13.7348		78.00	U
		0.1037		12.00	A
	TOTAL POUNDS ON THIS COMMODITY	13.8385			
	LANDSCAPE MAINTENANCE	1,322.2082			
	POULTRY	19.1386		2,195.00	U
	STRUCTURAL PEST CONTROL	15.3109			
	Chemical Total	1,370.4962			
<b>ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	62.9044		10.00	A
		0.4082		1.00	U
	TOTAL POUNDS ON THIS COMMODITY	63.3126			
	FOOD PROCESSING PLANT	3.0909		12.00	U
		1.1405	50	24,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2314			
	FUMIGATION, OTHER	2.4287			
	GREENHOUSE FUMIGATION	0.7175		17,000.00	S
	INDUSTRIAL SITE	0.9841		1.30	A
		0.6706		137.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.6547			
	LANDSCAPE MAINTENANCE	526.3164			
	MUSHROOM HOUSE	11.8078		33,000.00	S
	N-GRNHS FLOWER	9.9897	7	121,599.44	S
		2.7792	36	426.74	A
	TOTAL POUNDS ON THIS COMMODITY	12.7689			
	N-GRNHS PLANTS IN CONTAINERS	118.0117	104	168.53	A
		12.6395	19	596,035.00	S
		0.0130			
	TOTAL POUNDS ON THIS COMMODITY	130.6642			
	N-GRNHS TRANSPLANTS	30.1716	54	12.35	A
		0.8110	3	21,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	30.9826			
	N-OUTDR FLOWER	1.2227	10	3.85	A
		0.5773	3	20,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.8000			
	N-OUTDR PLANTS IN CONTAINERS	170.4517	162	341.28	A
		3.1786	5	54,250.00	S
		0.6695	4	6,650.00	U
	TOTAL POUNDS ON THIS COMMODITY	174.2998			
	N-OUTDR TRANSPLANTS	14.6850	16	4.17	A
	REGULATORY PEST CONTROL	3.9367			
	RESEARCH COMMODITY	3.2684			
	RIGHTS OF WAY	4.2304			
	STRUCTURAL PEST CONTROL	1,596.0986			

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<b>ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	UNCULTIVATED NON-AG	0.2938	1	1.00	A
	VERTEBRATE CONTROL	4.0817			
	WATER (INDUSTRIAL)	4,843.3026		4.00	U
	Chemical Total	7,430.8818	474		
<b>ALKYL (61%C12, 23%C14, 11%C16, 2.5%C8 &amp; C10, 2.5%C18) DIMETHYL BENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	335.1127	1	64.00	A
		127.5550		116.00	U
	TOTAL POUNDS ON THIS COMMODITY	462.6677			
	LANDSCAPE MAINTENANCE	5,044.0295			
	POULTRY	19.1386		2,195.00	U
	STRUCTURAL PEST CONTROL	15.3109			
	Chemical Total	5,541.1467	1		
<b>ALKYL (67%C12, 25%C14, 7%C16, 1%C8, C10, C18) DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	63.0075		4.00	U
	LANDSCAPE MAINTENANCE	43.3176			
	POULTRY	9.0011		10.00	A
	Chemical Total	115.3262			
<b>ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM SACCHARINATE</b>					
	ANIMAL PREMISE	0.0029		2.00	A
	Chemical Total	0.0029			
<b>ALKYL (50%C12, 30%C14, 17%C16, 3%C18) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	0.0083		9.00	A
	LANDSCAPE MAINTENANCE	0.0528			
	STRUCTURAL PEST CONTROL	0.0009			
	Chemical Total	0.0620			
<b>ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	62.8961		1.00	A
		0.4082		1.00	U
	TOTAL POUNDS ON THIS COMMODITY	63.3043			
	FOOD PROCESSING PLANT	3.0909		12.00	U
		1.1405	50	24,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2314			
	FUMIGATION, OTHER	2.4287			
	GREENHOUSE FUMIGATION	0.7175		17,000.00	S
	INDUSTRIAL SITE	0.9841		1.30	A
		0.6706		137.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.6547			
	LANDSCAPE MAINTENANCE	442.6537			
	MUSHROOM HOUSE	11.8078		33,000.00	S
	N-GRNHS FLOWER	9.9546	5	101,599.44	S
		2.4594	30	414.54	A
	TOTAL POUNDS ON THIS COMMODITY	12.4140			
	N-GRNHS PLANTS IN CONTAINERS	118.0117	104	168.53	A
		12.6149	13	428,035.00	S
		0.0130			
	TOTAL POUNDS ON THIS COMMODITY	130.6396			
	N-GRNHS TRANSPLANTS	30.1716	54	12.35	A
		0.6617	1	1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	30.8333			
	N-OUTDR FLOWER	1.1525	8	1.35	A
		0.5773	3	20,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.7298			
	N-OUTDR PLANTS IN CONTAINERS	118.1826	161	339.30	A
		3.1786	5	54,250.00	S
		0.6695	4	6,650.00	U
	TOTAL POUNDS ON THIS COMMODITY	122.0307			
	N-OUTDR TRANSPLANTS	14.6639	15	3.17	A
	REGULATORY PEST CONTROL	3.9367			

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<b>ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE</b>					
	RESEARCH COMMODITY	3.2684			
	RIGHTS OF WAY	4.2304			
	STRUCTURAL PEST CONTROL	92.5724			
	UNCULTIVATED NON-AG	0.2938	1	1.00	A
	VERTEBRATE CONTROL	4.0817			
	Chemical Total	947.4928	454		
<b>ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CYCLOHEXYL SULFAMATE</b>					
	LANDSCAPE MAINTENANCE	3.8234			
	Chemical Total	3.8234			
<b>ALPHA-ALKYL (C8-C18)-OMEGA-HYDROXYPOLY(OXYETHYLENE) POLY(OXYPROPYLENE)</b>					
	ALFALFA	9.5587	1	60.00	A
	ALMOND	1.3190	1	80.00	A
	BOK CHOY	9.6438	48	111.55	A
	BROCCOLI	23.2807	12	198.50	A
	CABBAGE	1.0196	3	10.80	A
	CAULIFLOWER	57.8194	15	394.50	A
	CELERY	28.5699	31	214.90	A
	CHINESE CABBAGE (NAPPA)	36.8161	87	427.85	A
	CITRUS	2.4842	8	61.00	A
	CORN (FORAGE - FODDER)	27.9642	14	2,313.40	A
	CORN, HUMAN CONSUMPTION	2.9526	3	11.00	A
	COTTON	34.6927	6	425.00	A
	CUCUMBER	42.8150	10	450.00	A
	GAI CHOY	3.9509	13	60.00	A
	GRAPE	9.5329	32	947.50	A
	GRAPE, WINE	35.0361	152	1,528.28	A
	GRAPEFRUIT	10.4588	4	99.00	A
	LANDSCAPE MAINTENANCE	20.9151			
	LEMON	105.2535	49	2,125.46	A
	LETTUCE, HEAD	640.3568	561	4,356.90	A
	LETTUCE, LEAF	102.6820	389	1,415.95	A
	N-GRNHS PLANTS IN CONTAINERS	1.0582	14	32.00	A
	N-GRNHS TRANSPLANTS	0.0166	1	0.02	A
	N-OUTDR FLOWER	10.9178	35	160.85	A
	N-OUTDR PLANTS IN CONTAINERS	44.5332	299	1,780.17	A
	OLIVE	14.0230	21	431.50	A
	ORANGE	2,166.8556	856	37,163.67	A
	PEPPER, FRUITING	7.1159	9	107.00	A
	RIGHTS OF WAY	29.7499			
	STRAWBERRY	62.5608	93	1,126.73	A
	STRUCTURAL PEST CONTROL	0.1577			
	SUNFLOWER	5.5016	1	69.00	A
	TANGELO	41.7162	32	845.30	A
	TANGERINE	52.9626	35	2,012.57	A
	TOMATO	1,773.1826	218	13,958.50	A
	TOMATO, PROCESSING	196.3777	23	1,421.00	A
	UNCULTIVATED AG	0.9346	1	7.00	A
	UNKNOWN	0.9127	3	28.00	A
	WALNUT	1.9089	4	42.00	A
	Chemical Total	5,617.6076	3,084		
<b>ALPHA-ALKYL (C9-C11)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	7,468.8740	1,646	102,074.83	A
	ALMOND	3,482.2073	1,000	68,632.54	A
	APPLE	89.3850	55	904.35	A
	APRICOT	11.7145	9	139.00	A
	ARTICHOKE, GLOBE	7.0460	1	25.00	A
	ASPARAGUS	195.4783	47	2,626.03	A
	BARLEY	13.9343	8	148.30	A
	BEAN, DRIED	60.2242	22	1,553.30	A
	BEAN, SUCCULENT	46.2285	17	887.89	A
	BEAN, UNSPECIFIED	7.3957	1	40.00	A
	BERMUDAGRASS	232.5030	33	2,419.00	A

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<b>ALPHA-ALKYL (C9-C11)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	BOK CHOY	0.1986	7	6.35	A
	BROCCOLI	212.1319	210	4,096.50	A
	CABBAGE	34.7268	84	552.32	A
	CANOLA (RAPE)	73.4943	10	737.00	A
	CANTALOUPE	57.7027	14	922.00	A
	CARROT	328.7437	96	5,376.50	A
	CAULIFLOWER	67.8605	128	1,578.25	A
	CELERY	212.2644	470	3,549.05	A
	CHERRY	324.9121	176	2,320.70	A
	CHICORY	0.4639	1	8.00	A
	CHINESE CABBAGE (NAPPA)	0.6469	13	17.00	A
	CITRUS	0.3467	1	6.00	A
	CLOVER	2.9499	5	93.00	A
	COMMODITY FUMIGATION	0.6576			
	CORN (FORAGE - FODDER)	1,061.8621	344	16,251.18	A
	CORN, HUMAN CONSUMPTION	1,163.1264	439	22,082.40	A
	COTTON	6,995.8027	1,126	101,870.43	A
	CUCUMBER	25.2419	9	269.60	A
	DITCH BANK	4.6223		6.00	A
	EGGPLANT	0.1156	1	10.00	A
	ENDIVE (ESCAROLE)	0.4639	7	15.98	A
	FORAGE HAY/SILAGE	9.2446	2	232.00	A
	FOREST, TIMBERLAND	1.1274	2	1,000.00	A
	GARLIC	108.4781	23	2,949.00	A
	GRAPE	665.6637	192	6,721.97	A
	GRAPE, WINE	491.4064	296	7,916.41	A
	KALE	2.9178	7	37.20	A
	LANDSCAPE MAINTENANCE	402.4272			
	LEMON	0.2912	1	5.00	A
	LETTUCE, HEAD	181.2805	154	5,349.90	A
	LETTUCE, LEAF	85.0712	116	1,664.35	A
	MUSTARD	1.1556	1	35.00	A
	N-OUTDR PLANTS IN CONTAINERS	4.3671	2	55.00	A
	N-OUTDR TRANSPLANTS	0.2889	1	4.50	A
	NECTARINE	0.0971	1	2.00	A
	OAT	5.7480	5	129.40	A
	OAT (FORAGE - FODDER)	11.8605	6	301.30	A
	OLIVE	40.8929	33	1,078.60	A
	ONION, DRY	842.3882	144	9,693.50	A
	ONION, GREEN	0.0217	1	6.00	A
	ORANGE	47.8468	18	654.83	A
	PEACH	45.5346	42	784.50	A
	PEAR	11.8492	10	190.20	A
	PECAN	7.9555	5	135.00	A
	PEPPER, FRUITING	0.5200	1	45.00	A
	PEPPER, SPICE	1.3821	3	49.20	A
	PERSIMMON	0.8135	2	23.00	A
	PISTACHIO	46.4250	11	1,396.90	A
	PLUM	1.6178	3	40.00	A
	POTATO	64.8863	8	586.00	A
	PRUNE	161.3664	156	6,358.86	A
	PUMPKIN	2.8467	4	123.00	A
	RANGELAND	51.2496	6	117.00	A
	RESEARCH COMMODITY	0.2818			
	RICE	15,517.8942	2,029	148,903.63	A
	RIGHTS OF WAY	710.4299			
		49.8234	9	279.00	A
	TOTAL POUNDS ON THIS COMMODITY	760.2533			
	RYE	1.1076	2	39.60	A
	SAFFLOWER	77.5704	20	3,481.30	A
	SOIL FUMIGATION/PREPLANT	231.8700	69	5,311.70	A
	SORGHUM (FORAGE - FODDER)	5.6368	1	150.00	A
	SORGHUM/MILO	6.4965	5	193.00	A
	SOYBEAN	8.9400	4	140.00	A
	SQUASH	15.8554	10	184.50	A
	STRAWBERRY	0.0528	1	0.50	A
	STRUCTURAL PEST CONTROL	9.8175			
	SUDANGRASS	219.9225	36	2,078.20	A

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<b>ALPHA-ALKYL (C9-C11)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	SUGARBEET	889.8516	287	18,255.90	A
	SUGARBEET (FORAGE - FODDER)	10.1690	2	118.00	A
	SUGARCANE	9.9379	4	88.00	A
	SUNFLOWER	28.2640	10	583.30	A
	SWISS CHARD	2.0801	2	28.00	A
	TANGELO	0.2649	1	5.64	A
	TOMATO	36.9031	13	746.00	A
	TOMATO, PROCESSING	1,400.4288	374	28,578.07	A
	UNCULTIVATED AG	1,398.7109	572	29,615.10	A
	UNCULTIVATED NON-AG	9.2702	7	267.00	A
	WALNUT	731.0811	454	15,046.52	A
		0.0058	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	731.0869			
	WATER AREA	0.1409	2	120.00	A
	WATERMELON	34.4285	19	507.90	A
	WHEAT	290.1939	61	5,167.43	A
	WHEAT (FORAGE - FODDER)	60.0546	18	852.39	A
	Chemical Total	47,239.8314	11,249		
<b>ALPHA-ALKYL (C9-C16)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	24.4657	6	425.00	A
	ALMOND	120.0986	42	1,983.25	A
	BERMUDAGRASS	3.3737	1	70.00	A
	CHERRY	1.6025	6	75.00	A
	CORN (FORAGE - FODDER)	25.0848	12	591.00	A
	COTTON	299.1159	70	8,916.10	A
	FORAGE HAY/SILAGE	4.0484	2	102.00	A
	GRAPE	7.2668	21	162.00	A
	GRAPE, WINE	10.9745	3	245.00	A
	OLIVE	1.9685	3	69.00	A
	PEACH	0.9278	6	39.00	A
	PISTACHIO	85.0430	56	2,981.49	A
	PLUM	0.3374	1	4.00	A
	RIGHTS OF WAY	46.5564			
	SAFFLOWER	3.5761	1	106.00	A
	UNCULTIVATED AG	5.0942	1	151.00	A
	WALNUT	5.8752	5	107.00	A
	WHEAT	34.1616	17	1,137.00	A
	WHEAT (FORAGE - FODDER)	3.9134	6	186.00	A
	Chemical Total	683.4845	259		
<b>ALPHA-ALKYL (C9-C18)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	REGULATORY PEST CONTROL	13.9992			
	RIGHTS OF WAY	8.9371			
	STRUCTURAL PEST CONTROL	1.5476			
	Chemical Total	24.4839			
<b>ALPHA-ALKYL (C10-C12)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	LANDSCAPE MAINTENANCE	0.1164			
	RIGHTS OF WAY	0.2003			
	Chemical Total	0.3167			
<b>ALPHA-ALKYL (C10-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	294.9511	91	5,167.00	A
	ALMOND	346.4506	33	1,821.35	A
	ASPARAGUS	38.2125	3	201.00	A
	BARLEY	26.8293	19	1,070.00	A
	BEAN, DRIED	21.8083	10	412.50	A
	BEAN, UNSPECIFIED	33.0590	3	469.00	A
	CANTALOUPE	2.0204	4	26.00	A
	CAULIFLOWER	4.6946	1	7.40	A
	CHERRY	13.0303	3	47.00	A
	CLOVER	4.3922	3	73.40	A
	CORN (FORAGE - FODDER)	27.5907	6	199.30	A

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<b>ALPHA-ALKYL (C10-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	COTTON	154.4313	19	1,337.40	A
	CUCUMBER	4.8155	5	105.20	A
	FORAGE HAY/SILAGE	0.7320	1	34.00	A
	GRAPE	2.6354	1	9.00	A
	MINT	6.9507	4	142.60	A
	OAT	3.2210	1	88.00	A
	ONION, DRY	84.4203	39	2,208.00	A
	ORANGE	8.7845	1	30.00	A
	PEACH	8.7845	1	40.00	A
	PEAS	2.7452	1	87.00	A
	PISTACHIO	70.7737	3	386.70	A
	POTATO	252.3499	118	6,747.00	A
	PUMPKIN	3.3088	2	55.00	A
	RESEARCH COMMODITY	1.4641	1	30.00	A
	RICE	2.5621	1	70.00	A
	SAFFLOWER	15.5193	1	53.00	A
	SOIL FUMIGATION/PREPLANT	245.1447	16	1,112.90	A
	SORGHUM/MILO	0.9663	1	26.40	A
	SQUASH	11.3867	13	182.50	A
	STRAWBERRY	3.6602	1	119.00	A
	SUNFLOWER	26.8366	9	366.50	A
	TOMATO, PROCESSING	702.1183	59	4,049.30	A
	UNCULTIVATED AG	7.3204	1	25.00	A
	UNCULTIVATED NON-AG	15.3728	3	75.00	A
	WALNUT	183.6250	22	872.00	A
	WATERMELON	39.1758	19	772.50	A
	WHEAT	125.2510	79	5,273.00	A
	Chemical Total	2,797.3951	598		
<b>ALPHA-ALKYL (C10-C20)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	91.2055	2	123.00	A
	ALMOND	70.0281	18	237.00	A
	AVOCADO	652.1464	267	1,900.42	A
	GRAPE, WINE	38.0613	3	64.00	A
	GRAPEFRUIT	677.0805	206	1,999.50	A
	LEMON	12.3854	6	37.00	A
	ORANGE	31.6208	8	94.02	A
	PEACH	2.7401	1	30.00	A
	RIGHTS OF WAY	1,335.5696			
	TOMATO, PROCESSING	0.4529	4	142.70	A
	WALNUT	6.1653	8	31.00	A
	Chemical Total	2,917.4559	523		
<b>ALPHA-ALKYL-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	APPLE	5.0511	1	23.00	A
	CELERY	4.8941	1	46.00	A
	COTTON	0.4041	1	52.00	A
	LANDSCAPE MAINTENANCE	0.0191			
	N-OUTDR PLANTS IN CONTAINERS	0.0861	2	1.25	A
	PEAR	0.3827	1	2.00	A
	RESEARCH COMMODITY	0.0567			
	RIGHTS OF WAY	14.3235			
	Chemical Total	25.2174	6		
<b>ALPHA-ALKYL (SECONDARY C12-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	80.0638	73	5,195.60	A
	ALMOND	76.1044	140	3,694.63	A
	BEAN, DRIED	4.2542	2	104.00	A
	BOYSENBERRY	0.3556	1	13.00	A
	CHERRY	0.8999	1	88.00	A
	CORN (FORAGE - FODDER)	30.7544	45	2,213.90	A
	COTTON	6.0104	8	981.70	A
	GRAPE	15.0205	34	929.64	A
	GRAPE, WINE	3.2081	6	102.50	A
	GRAPEFRUIT	0.2596	1	38.00	A

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<b>ALPHA-ALKYL (SECONDARY C12-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	LEMON	2.1604	9	317.00	A
	N-OUTDR TRANSPLANTS	0.0109	1	0.80	A
	OAT	1.3504	4	49.50	A
	ONION, DRY	0.1309	4	12.00	A
	PEACH	9.6621	17	322.50	A
	PEAR	0.8181	1	100.00	A
	PISTACHIO	0.5454	1	12.00	A
	POTATO	5.0177	4	224.00	A
	PRUNE	1.2817	7	54.00	A
	RANGELAND	2.1816	1	80.00	A
	RIGHTS OF WAY	2.4979			
	SOIL FUMIGATION/PREPLANT	0.3736	2	137.00	A
	SQUASH	0.2182	1	45.00	A
	SUGARBEET	0.6545	1	25.00	A
	TOMATO, PROCESSING	6.6694	12	821.00	A
	UNCULTIVATED AG	1.9089	2	80.00	A
	WALNUT	32.1984	67	1,780.92	A
	WHEAT	1.6362	1	32.00	A
	Chemical Total	286.2472	446		
<b>ALPHA-ALKYL (C12-C16)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	36.6507	91	5,167.00	A
	ALMOND	43.0501	33	1,821.35	A
	ASPARAGUS	4.7483	3	201.00	A
	BARLEY	3.3338	19	1,070.00	A
	BEAN, DRIED	2.7099	10	412.50	A
	BEAN, UNSPECIFIED	4.1079	3	469.00	A
	CANTALOUPE	0.2511	4	26.00	A
	CHERRY	1.6192	3	47.00	A
	CLOVER	0.5458	3	73.40	A
	CORN (FORAGE - FODDER)	3.4284	6	199.30	A
	COTTON	19.1897	19	1,337.40	A
	CUCUMBER	0.5984	5	105.20	A
	FORAGE HAY/SILAGE	0.0910	1	34.00	A
	GRAPE	0.3275	1	9.00	A
	MINT	0.8637	4	142.60	A
	OAT	0.4002	1	88.00	A
	ONION, DRY	10.4901	39	2,208.00	A
	ORANGE	1.0916	1	30.00	A
	PEACH	1.0916	1	40.00	A
	PEAS	0.3411	1	87.00	A
	PISTACHIO	8.7944	3	386.70	A
	POTATO	31.3571	118	6,747.00	A
	PUMPKIN	0.4112	2	55.00	A
	RESEARCH COMMODITY	0.1819	1	30.00	A
	RICE	0.3184	1	70.00	A
	SAFFLOWER	1.9284	1	53.00	A
	SOIL FUMIGATION/PREPLANT	30.4618	16	1,112.90	A
	SORGHUM/MILO	0.1201	1	26.40	A
	SQUASH	1.4149	13	182.50	A
	STRAWBERRY	0.4548	1	119.00	A
	SUNFLOWER	3.3347	9	366.50	A
	TOMATO, PROCESSING	87.2455	59	4,049.30	A
	UNCULTIVATED AG	0.9096	1	25.00	A
	UNCULTIVATED NON-AG	1.9102	3	75.00	A
	WALNUT	22.8173	22	872.00	A
	WATERMELON	4.8680	19	772.50	A
	WHEAT	15.5637	79	5,273.00	A
	Chemical Total	347.0221	597		
<b>ALPHA-ALKYL (MIXED)-OMEGA-HYDROXYPOLY (OXYETHYLENE) SULFATE</b>					
	LANDSCAPE MAINTENANCE	0.4150			
	STRUCTURAL PEST CONTROL	372.5022			
	Chemical Total	372.9172			



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<b>ALPHA-ALKYL (C6-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE) POLY(OXYPROPYLENE)</b>					
	GRAPE	5.2583	1	63.00	A
	PEACH	1.3536	1	8.00	A
	Chemical Total	6.6119	2		
<b>ALPHA-ALKYL (C12-C18)-OMEGA-HYDROXYPOLY(OXYETHYLENE) POLY(OXYPROPYLENE)</b>					
	ALFALFA	4.1225	1	45.00	A
	COTTON	7.7338	3	198.70	A
	GRAPE, WINE	4,201.0562	109	21,114.02	A
	LANDSCAPE MAINTENANCE	1.2368			
	RIGHTS OF WAY	134.3941			
	WATERMELON	0.3865	1	50.00	A
	Chemical Total	4,348.9299	114		
<b>ALPHA-ALKYL (C10-C16)-OMEGA-HYDROXYPOLY(OXYETHYLENE) POLY(OXYPROPYLENE) PHOSPHATE</b>					
	ALMOND	5.1969	1	32.00	A
	GRAPE, WINE	26.0400	1	20.00	A
	STRUCTURAL PEST CONTROL	14.0477			
	Chemical Total	45.2846	2		
<b>ALPHA-ALKYL (C12-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	3,082.8975	788	47,724.28	A
	ALMOND	6,767.2900	864	51,293.48	A
	APPLE	55.2624	15	217.00	A
	AVOCADO	0.7403	1	10.00	A
	BARLEY	308.4374	101	6,581.80	A
	BARLEY (FORAGE - FODDER)	42.2284	5	430.00	A
	BEAN, DRIED	5.9523	9	89.81	A
	BEAN, SUCCULENT	6.0445	3	39.00	A
	BEAN, UNSPECIFIED	175.9021	46	1,600.67	A
	BEET	1.8656	1	20.00	A
	BERMUDAGRASS	6.1601	2	140.00	A
	BLUEBERRY	2.2210	1	30.00	A
	BOK CHOY	5.8934	17	42.50	A
	BROCCOLI	197.2455	90	1,645.74	A
	CABBAGE	228.7764	156	1,696.82	A
	CANTALOUPE	11.7268	3	124.00	A
	CARROT	10.4833	2	120.00	A
	CAULIFLOWER	77.3317	54	738.46	A
	CELERY	2,458.0489	580	13,594.43	A
	CHERRY	332.3900	35	954.02	A
	CHICORY	48.2248	14	283.00	A
	CHINESE CABBAGE (NAPPA)	0.5330	1	7.00	A
	CLOVER	31.5861	3	128.00	A
	COLLARD	84.0126	34	437.30	A
	CORN (FORAGE - FODDER)	1,407.6399	163	8,250.50	A
	CORN, HUMAN CONSUMPTION	139.1397	22	1,278.90	A
	COTTON	2,627.4685	755	34,424.60	A
	CUCUMBER	13.4184	6	85.00	A
	DITCH BANK	2.3100	1	3.00	A
	FORAGE HAY/SILAGE	45.6305	11	800.00	A
	FOREST, TIMBERLAND	120.2131	18	653.00	A
	GARLIC	9.2400	2	214.00	A
	GRAPE	622.4356	125	4,316.00	A
	GRAPE, WINE	729.8163	116	5,710.76	A
	KALE	24.4675	49	161.03	A
	KIWI	6.1601	1	20.00	A
	LANDSCAPE MAINTENANCE	15.0837			
	LEMON	403.6165	11	347.50	A
	LETTUCE, HEAD	402.2019	165	2,851.76	A
	LETTUCE, LEAF	109.6764	70	910.98	A
	MINT	75.6178	35	1,734.33	A
	MUSTARD	14.0278	13	112.00	A
	N-OUTDR FLOWER	531.4323	258	2,623.45	A
	N-OUTDR PLANTS IN CONTAINERS	8.1188	5	6.71	A
	N-OUTDR TRANSPLANTS	244.5801	79	527.23	A

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<b>ALPHA-ALKYL (C12-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	NECTARINE	49.2898	39	244.50	A
	OAT	65.9636	22	1,187.90	A
	OAT (FORAGE - FODDER)	347.8120	53	2,642.00	A
	OLIVE	159.4026	19	329.81	A
	ONION, DRY	347.6799	64	3,430.90	A
	ONION, GREEN	31.6039	16	251.00	A
	ORANGE	1,425.9672	71	2,345.10	A
	PARSLEY	34.3071	23	213.43	A
	PASTURELAND	45.6581	18	596.00	A
	PEACH	1,262.1736	150	2,509.16	A
	PEAR	14.1521	6	59.00	A
	PEPPER, FRUITING	504.1764	91	2,904.00	A
	PEPPER, SPICE	73.5591	26	819.10	A
	PISTACHIO	2,579.3780	330	24,027.12	A
	PLUM	56.5088	23	233.00	A
	POMEGRANATE	20.8196	5	53.00	A
	POTATO	409.7217	145	8,508.60	A
	PRUNE	232.4159	99	4,556.33	A
	PUMPKIN	8.2970	11	112.00	A
	RADISH	43.0842	60	347.67	A
	RANGELAND	8.8551	2	425.00	A
	RASPBERRY	28.2976	10	91.00	A
	REGULATORY PEST CONTROL	28.6692			
	RESEARCH COMMODITY	0.3850	1	5.00	A
	RICE	110.1016	30	2,516.01	A
	RIGHTS OF WAY	3,894.5493			
		23.6844	14	77.75	A
	TOTAL POUNDS ON THIS COMMODITY	3,918.2337			
	RYE	1.2956	1	14.00	A
	SOIL FUMIGATION/PREPLANT	26.0374	4	122.00	A
	SPINACH	92.5500	105	736.36	A
	SQUASH	20.3590	4	145.00	A
	STRAWBERRY	4,196.6703	270	13,129.18	A
	STRUCTURAL PEST CONTROL	0.7519			
	SUDANGRASS	15.3279	2	91.00	A
	SUGARBEET	210.3654	68	3,822.00	A
	SUNFLOWER	4.9602	2	134.00	A
	SWISS CHARD	12.4375	16	66.00	A
	TANGELO	0.0000	1	5.00	A
	TANGERINE	8.9432	2	6.00	A
	TOMATO	402.2827	98	3,373.63	A
	TOMATO, PROCESSING	262.6120	61	5,325.50	A
	TURNIP	49.1580	11	46.00	A
	UNCULTIVATED AG	239.0956	39	1,512.30	A
	UNCULTIVATED NON-AG	4.0988	7	588.10	A
	VERTEBRATE CONTROL	3.4804	1	18.00	A
	WALNUT	1,322.3824	320	13,040.87	A
	WATERMELON	1.8879	3	23.50	A
	WHEAT	852.2289	296	17,766.50	A
	WHEAT (FORAGE - FODDER)	331.0455	63	3,532.10	A
	Chemical Total	41,358.0324	7,432		
<b>ALPHA-ALKYL (C12-C15)-OMEGA-HYDROXYPOLY(OXYETHYLENE) SULFATE, SODIUM SALT</b>					
	ALFALFA	2.1732	5	150.00	A
	ALMOND	784.0000	427	23,734.61	A
	APRICOT	1.9201	4	66.00	A
	BROCCOLI	0.8053	3	38.32	A
	CABBAGE	0.0255	1	1.30	A
	CAULIFLOWER	0.2141	2	22.00	A
	CELERY	5.6480	11	194.50	A
	CHICORY	0.1164	2	3.40	A
	CORN (FORAGE - FODDER)	16.0870	12	538.00	A
	COTTON	7.2336	3	211.90	A
	GRAPE	83.8733	116	5,286.20	A
	GRAPE, WINE	82.1774	111	5,645.37	A
	GRAPEFRUIT	0.1164	1	2.00	A
	LANDSCAPE MAINTENANCE	1.6146			

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<b>ALPHA-ALKYL (C12-C15)-OMEGA-HYDROXPOLY(OXYETHYLENE) SULFATE, SODIUM SALT</b>					
	LEMON	12.1717	5	105.10	A
	LETTUCE, HEAD	6.0518	19	234.60	A
	LETTUCE, LEAF	13.2345	58	642.56	A
	N-OUTDR FLOWER	0.8844	2	35.00	A
	NECTARINE	0.1210	1	17.00	A
	OLIVE	85.4456	58	975.00	A
	ONION, DRY	10.3597	4	300.80	A
	ORANGE	232.8635	148	3,332.05	A
	PEACH	23.6636	50	896.95	A
	PEAR	0.3927	2	18.00	A
	PISTACHIO	78.1643	38	2,107.90	A
	PRUNE	45.5054	36	1,739.80	A
	RAPPINI	1.8992	6	130.80	A
	RICE	1.3127	1	45.00	A
	RIGHTS OF WAY	1.5128			
	SQUASH, WINTER	1.6106	1	37.00	A
	STRAWBERRY	20.1420	26	383.80	A
	TANGELO	0.9310	1	30.00	A
	TOMATO, PROCESSING	2.7929	1	151.00	A
	UNCULTIVATED NON-AG	0.2036	1	14.00	A
	WALNUT	80.2167	101	2,507.65	A
Chemical Total		1,605.4846	1,257		
<b>ALPHA-ALKYLPHENYL-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	ALFALFA	32.1038	2	112.00	A
	ALMOND	288.8192	48	1,733.63	A
	AVOCADO	12.5283	1	2.00	A
	BEAN, DRIED	2.4430	1	50.00	A
	CAULIFLOWER	0.0890	1	10.00	A
	CELERY	1.5802	1	12.50	A
	CHERRY	1.2440	5	103.00	A
	CORN (FORAGE - FODDER)	6.2642	1	40.00	A
	CORN, HUMAN CONSUMPTION	0.2594	1	2.34	A
	COTTON	104.6897	11	718.49	A
	GRAPE	23.4906	6	197.50	A
	GRAPE, WINE	122.3932	31	772.09	A
	LETTUCE, HEAD	0.0475	1	8.00	A
	LETTUCE, LEAF	0.0237	1	2.00	A
	N-OUTDR PLANTS IN CONTAINERS	3.5554	1	35.00	A
	NECTARINE	0.0734	1	0.25	A
	ORANGE	2.9140	3	22.90	A
	PEACH	4.9096	6	47.26	A
	PLUM	12.5332	2	26.52	A
	RICE	159.4542	8	259.20	A
	STRAWBERRY	0.3585	1	15.10	A
	TANGERINE	224.1943	1	71.58	A
	UNCULTIVATED NON-AG	3.8417	3	2.45	A
	WALNUT	29.3006	5	85.00	A
Chemical Total		1,037.1107	142		
<b>ALKYL (C9-C11) OLIGOMERIC D-GLUCOPYRANOSIDE</b>					
	ALFALFA	24.8484	6	258.00	A
	ALMOND	142.6049	181	10,736.10	A
	CORN (FORAGE - FODDER)	14.4737	4	158.00	A
	COTTON	0.3775	1	69.00	A
	GRAPE, WINE	1.1768	15	137.95	A
	OLIVE	2.4559	4	105.00	A
	PRUNE	29.7694	54	2,763.25	A
	RIGHTS OF WAY	1.5236			
	UNCULTIVATED AG	4.7925	5	218.00	A
	UNCULTIVATED NON-AG	13.2857	7	588.10	A
	WALNUT	46.7454	100	5,491.86	A
Chemical Total		282.0538	377		

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<b>ALKYL (C8,C10) POLYGLYCOSIDE</b>					
	ALFALFA	10,699.5009	175	12,773.80	A
	ALMOND	6,472.1752	346	19,110.28	A
	APPLE	10.3694	7	132.00	A
	APRICOT	29.9003	12	157.00	A
	ASPARAGUS	34.2370	4	427.80	A
	AVOCADO	6.4977	2	16.00	A
	BARLEY	0.0122	2	0.10	A
	BEAN, DRIED	254.5870	9	479.00	A
	BEAN, UNSPECIFIED	16.5414	3	63.00	A
	BERMUDAGRASS	259.9085	9	588.00	A
	BROCCOLI	4.6738	1	35.00	A
	CANOLA (RAPE)	259.9085	7	349.00	A
	CANTALOUPE	38.9863	1	57.00	A
	CARROT	459.3103	20	610.00	A
	CAULIFLOWER	26.0948	1	41.00	A
	CHERRY	18.3251	7	64.00	A
	CITRUS	6.4977	3	15.00	A
	CORN (FORAGE - FODDER)	1,654.5356	86	5,211.00	A
	CORN, HUMAN CONSUMPTION	1.7673	2	10.00	A
	COTTON	1,581.2506	64	5,108.70	A
	CUCUMBER	31.1890	2	102.00	A
	FIG	0.3249	1	2.00	A
	FORAGE HAY/SILAGE	25.9908	1	320.00	A
	GARLIC	8.2805	1	155.00	A
	GRAPE	1,082.0713	273	9,414.06	A
	GRAPE, WINE	2,368.4652	244	10,205.55	A
	KIWI	14.5542	3	56.00	A
	LANDSCAPE MAINTENANCE	414.8486			
	LEMON	16.2022	22	116.00	A
	LETTUCE, HEAD	420.3240	6	323.40	A
	LETTUCE, LEAF	333.0988	5	256.30	A
	MELON	451.4806	10	910.00	A
	MUSTARD	46.6801	2	118.60	A
	N-OUTDR PLANTS IN CONTAINERS	0.6888	3	2.63	A
	N-OUTDR TRANSPLANTS	0.8122	1	2.00	A
	NECTARINE	180.1737	68	670.16	A
	OLIVE	37.8427	12	102.00	A
	ONION, DRY	287.9117	20	601.52	A
	ORANGE	2,305.4331	568	13,639.60	A
	PASTURELAND	2.0992	1	20.00	A
	PEACH	159.1923	101	860.52	A
	PEAR	0.3249	1	2.00	A
	PEPPER, FRUITING	23.3637	3	89.00	A
	PEPPER, SPICE	2.0992	1	4.00	A
	PERSIMMON	0.3249	1	2.00	A
	PISTACHIO	137.9360	19	1,262.00	A
	PLUM	441.5983	126	1,730.12	A
	POMEGRANATE	27.4854	19	120.00	A
	POTATO	20.9916	1	35.00	A
	PRUNE	637.0184	62	3,702.60	A
	PUMPKIN	2.3721	1	9.00	A
	RANGELAND	14.7302	3	133.00	A
	REGULATORY PEST CONTROL	1.0559			
	RICE	5,456.4793	151	14,992.25	A
	RIGHTS OF WAY	6,170.3577	73	3,589.00	A
		4,393.6013			
	TOTAL POUNDS ON THIS COMMODITY	10,563.9590			
	SAFFLOWER	81.5593	7	261.00	A
	SOIL FUMIGATION/PREPLANT	3,079.3288	166	10,297.48	A
	SQUASH	10.3963	1	35.00	A
	STRAWBERRY	7.0952	1	18.00	A
	STRUCTURAL PEST CONTROL	5.2663			
	SUGARBEET	285.8993	5	369.00	A
	SUGARCANE	38.9863	2	46.00	A
	TANGELO	31.7318	12	240.00	A
	TANGERINE	75.5164	50	395.00	A
	TOMATO	7.8299	2	37.00	A
	TOMATO, PROCESSING	2,523.2201	137	9,892.87	A

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<b>ALKYL (C8,C10) POLYGLYCOSIDE</b>					
	UNCULTIVATED AG	3,494.3950	179	12,556.30	A
	UNCULTIVATED NON-AG	297.9797	101	693.80	A
	UNKNOWN	7.7363	1	145.00	A
	VERTEBRATE CONTROL	1.9493			
	WALNUT	1,488.5860	169	5,108.18	A
	WATERMELON	21.8323	2	62.00	A
	WHEAT	538.2590	34	3,521.60	A
	Chemical Total	59,350.0497	3,435		
<b>ALKYL(42%C12, 26%C18, 15%C14, 8%C16, 5%C10, 4%C8)1,3-PROPYLENEDIAMINE</b>					
	RIGHTS OF WAY	2,283.8266			
	STRUCTURAL PEST CONTROL	520.1280			
	Chemical Total	2,803.9546			
<b>ALKYL-1,3-PROPYLENE DIAMINE ACETATE, ALKYL DERIVED FROM COCONUT OIL FATTY ACIDS</b>					
	STRUCTURAL PEST CONTROL	0.4177			
	Chemical Total	0.4177			
<b>ALLETHRIN</b>					
	LANDSCAPE MAINTENANCE	0.0546			
	N-OUTDR PLANTS IN CONTAINERS	0.0386	1	1.00	A
	RIGHTS OF WAY	1.1661			
	STRUCTURAL PEST CONTROL	0.7024			
	Chemical Total	1.9617	1		
<b>ALLETHRIN, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	0.0000			
	STRUCTURAL PEST CONTROL	0.0531			
	Chemical Total	0.0531			
<b>D-ALLETHRIN</b>					
	LANDSCAPE MAINTENANCE	0.0023			
	PUBLIC HEALTH	3.7054			
	STRUCTURAL PEST CONTROL	0.0005			
	Chemical Total	3.7082			
<b>D-TRANS ALLETHRIN</b>					
	ANIMAL PREMISE	0.1176		38.00	U
		0.0529		15.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.1705			
	LANDSCAPE MAINTENANCE	3.1663			
	N-GRNHS PLANTS IN CONTAINERS	0.0003	1	3,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.0017	1	9,000.00	S
	N-OUTDR TRANSPLANTS	0.0011	1	0.01	A
	PUBLIC HEALTH	0.2920			
	REGULATORY PEST CONTROL	0.2291			
	RIGHTS OF WAY	0.2882			
	STRUCTURAL PEST CONTROL	92.2613			
	Chemical Total	96.4105	3		
<b>ALLYL ISOTHIOCYANATE</b>					
	LANDSCAPE MAINTENANCE	0.0015			
	Chemical Total	0.0015			
<b>ALLYLOXYPOLYETHYLENE GLYCOL ACETATE</b>					
	ALFALFA	15.8407	24	1,620.60	A
	ALMOND	1,172.2586	526	32,274.42	A
	APPLE	2.2979	8	37.00	A
	APRICOT	1.0812	1	10.00	A
	ASPARAGUS	4.1417	1	322.00	A

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<b>ALLYLOXYPOLYETHYLENE GLYCOL ACETATE</b>					
	AVOCADO	5.0638	16	278.17	A
	BEAN, DRIED	3.7789	7	126.00	A
	BROCCOLI	104.2032	180	2,569.50	A
	CABBAGE	6.1575	26	148.10	A
	CARROT	0.4765	2	17.00	A
	CAULIFLOWER	87.5983	179	2,204.88	A
	CELERY	82.9068	178	2,150.60	A
	CHERRY	31.6476	23	650.00	A
	CHICORY	2.9551	3	34.40	A
	CORN (FORAGE - FODDER)	2.3707	19	504.90	A
	CORN, HUMAN CONSUMPTION	0.9636	2	55.00	A
	COTTON	31.1377	18	1,060.70	A
	CUCUMBER	4.8215	11	501.20	A
	ENDIVE (ESCAROLE)	1.3561	11	31.50	A
	FOREST, TIMBERLAND	61.8136	2	202.00	A
	GRAPE	252.3242	107	4,164.48	A
	GRAPE, WINE	545.7532	307	14,406.08	A
	KALE	15.9436	30	393.80	A
	LANDSCAPE MAINTENANCE	23.4469			
	LEMON	67.3394	20	705.04	A
	LETTUCE, HEAD	137.6318	212	2,752.40	A
	LETTUCE, LEAF	145.0731	333	3,019.40	A
	MELON	0.1100	2	30.00	A
	N-OUTDR PLANTS IN CONTAINERS	82.9383	139	1,059.23	A
	NECTARINE	42.9306	23	423.00	A
	ONION, DRY	108.1476	95	4,420.68	A
	ONION, GREEN	1.1454	6	20.00	A
	ORANGE	3.7798	4	66.50	A
	PEACH	45.2547	74	1,393.00	A
	PEAR	35.4333	50	1,261.10	A
	PEAS	93.7237	238	2,732.52	A
	PEPPER, FRUITING	0.5131	1	18.00	A
	PEPPER, SPICE	0.8613	1	15.00	A
	PISTACHIO	17.4166	8	423.00	A
	PLUM	14.5039	8	176.00	A
	POMEGRANATE	331.4366	27	5,720.51	A
	POTATO	0.0401	1	7.00	A
	PRUNE	34.6832	17	1,109.00	A
	PUMPKIN	0.7047	5	131.00	A
	RAPPINI	3.4453	14	42.00	A
	RESEARCH COMMODITY	0.2016	1	25.00	A
	RICE	315.5353	108	8,704.50	A
	RIGHTS OF WAY	7.5671			
	SAFFLOWER	0.9163	2	160.00	A
	SORGHUM/MILO	0.1512	3	56.20	A
	SPINACH	10.3737	23	399.20	A
	SQUASH	1.6170	7	191.00	A
	SQUASH, SUMMER	0.4398	2	12.55	A
	STRAWBERRY	98.7401	118	2,473.50	A
	SUNFLOWER	3.2987	8	569.00	A
	SWISS CHARD	6.2675	33	196.62	A
	TOMATO	7.0353	16	676.00	A
	TOMATO, PROCESSING	2.3143	7	395.00	A
	UNCULTIVATED AG	0.9449	2	8.50	A
	WALNUT	1,054.8965	802	19,621.11	A
	WATERMELON	6.9183	27	1,344.00	A
	WHEAT	4.4590	11	752.00	A
Chemical Total		5,149.1280	4,129		
<b>ALUMINUM HYDROXIDE</b>					
	ALMOND	10.5585	2	205.00	A
Chemical Total		10.5585	2		

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ALUMINUM PHOSPHIDE					
ALFALFA		35.1610	16	856.00	A
		23.6408		13,103.17	T
		6.1578		29,700.00	C
		0.3968	3	50.00	U
TOTAL POUNDS ON THIS COMMODITY		65.3564			
ALMOND		3,766.4214		41,212,385.41	C
		3,656.3646		861,937.43	T
		2,325.8781	98	14,398,496.70	U
		2,240.3375	745	42,636.65	A
		988.3468		11,766.09	K
		339.3984		17,117,770.85	P
		250.3327		1,962,546.00	S
TOTAL POUNDS ON THIS COMMODITY		13,567.0795			
APPLE		115.5041	68	1,409.13	A
APRICOT		41.7625	4	472.00	A
ARTICHOKE, GLOBE		142.7776	72	2,413.60	A
AVOCADO		17.9028	40	556.00	A
BARLEY		1.8150		200.00	T
BEAN, DRIED		22.7173		1,169,401.00	C
		1.9125	2	340.00	A
TOTAL POUNDS ON THIS COMMODITY		24.6298			
BEAN, UNSPECIFIED		0.0688		2,053.00	P
BEEHIVE		24.8017		55,620.00	C
		16.1387	4	58,932.00	U
		14.2474	3	592.00	A
TOTAL POUNDS ON THIS COMMODITY		55.1878			
BERMUDAGRASS		56.4728		31,175.02	T
BLACKBERRY		0.3000	1	4.00	A
BLUEBERRY		2.8800	4	24.00	A
BROCCOLI		10.1400	2	43.00	A
BRUSSELS SPROUT		0.3540	3	24.50	A
CANTALOUPE		0.2750	1	0.50	A
CHERRY		8.4590	16	197.50	A
		0.5940	2	150.00	U
TOTAL POUNDS ON THIS COMMODITY		9.0530			
CHESTNUT		0.4703	1	4.00	A
CHRISTMAS TREE		13.9718	16	67.00	A
CITRUS		5.7563	10	274.00	A
COMMODITY FUMIGATION		13,663.7302			
		2,624.8986	40	572.90	A
		53.4206	24	154,789.00	U
		0.4345		3,000.00	C
		0.0997		2.69	K
TOTAL POUNDS ON THIS COMMODITY		16,342.5836			
CORN (FORAGE - FODDER)		82.0600		4,909.00	T
		7.2000	1	45.00	A
TOTAL POUNDS ON THIS COMMODITY		89.2600			
CORN, HUMAN CONSUMPTION		214.8850		16,725.17	K
		103.5705		1,003,280.00	C
		9.6525		1,240.00	T
TOTAL POUNDS ON THIS COMMODITY		328.1080			
COTTON		9.1685		63,080.00	C
CRANBERRY		0.1100		3.00	T
DATE		2.4000	1	100.00	A
DRIED FRUIT		6,098.8757		21,431,922.20	C
		2,480.1020		34,762.72	T
		1,642.4203		94,664.71	K
		198.0000		1,557,500.00	S
		27.9396		301,991.00	U
		16.8059		121.41	A
TOTAL POUNDS ON THIS COMMODITY		10,464.1435			
FIG		200.7500		3,000.00	C
		82.5000		1,250.00	K
		10.3500	5	180.40	A
		6.0000	1	1,500.00	U
TOTAL POUNDS ON THIS COMMODITY		299.6000			

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<b>ALUMINUM PHOSPHIDE</b>					
	FOOD PROCESSING PLANT	249.2019		1,121,330.00	C
		43.4500		1.00	U
	TOTAL POUNDS ON THIS COMMODITY	292.6519			
	FORAGE HAY/SILAGE	28.8725		17,425.56	T
		1.7875	1	15.00	A
		0.6270		2,390.00	C
	TOTAL POUNDS ON THIS COMMODITY	31.2870			
	FUMIGATION, OTHER	7,850.8640			
		70.2900	1	190.00	A
		4.0825	8	568,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	7,925.2365			
	GRAIN	75.2970	16	4,168.00	U
		1.9800		40.00	C
	TOTAL POUNDS ON THIS COMMODITY	77.2770			
	GRANARY	0.0227		6,400.00	C
	GRAPE	1,336.0394		76,926.00	T
		1,323.4133		8,939,311.82	C
		1,312.8613		173,374.00	K
		65.4500		515,000.00	S
		32.1681	11	220.39	A
	TOTAL POUNDS ON THIS COMMODITY	4,069.9321			
	GRAPE, WINE	727.2575	560	6,490.36	A
		6.5670	4	850.00	U
	TOTAL POUNDS ON THIS COMMODITY	733.8245			
	GRAPEFRUIT	20.4000	3	240.00	A
	KIWI	0.4606	3	19.00	A
	LANDSCAPE MAINTENANCE	37,485.1295			
		58.4034	51	314.60	A
	TOTAL POUNDS ON THIS COMMODITY	37,543.5329			
	LEMON	5.1237	10	320.40	A
	LETTUCE, HEAD	0.2750	1	20.00	A
	N-GRNHS FLOWER	14.0988	4	6.25	A
		3.1281	7	8,225.00	S
	TOTAL POUNDS ON THIS COMMODITY	17.2269			
	N-GRNHS PLANTS IN CONTAINERS	2.6757	5	8.63	A
		0.1965	1	76,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.8722			
	N-OUTDR FLOWER	70.0838	26	113.75	A
	N-OUTDR PLANTS IN CONTAINERS	4.8896	12	108.00	A
	N-OUTDR TRANSPLANTS	18.1500	1	160,000.00	S
	NECTARINE	0.1979	2	26.38	A
	NUTS	241.2335		1,653.00	T
	OAT	7.6972		2,476.27	T
		1.7100	1	178.00	A
	TOTAL POUNDS ON THIS COMMODITY	9.4072			
	OAT (FORAGE - FODDER)	1.9875	1	52.00	A
	OLIVE	6.2839	2	34.00	A
	ONION, DRY	7.5600	2	28.00	A
	ORANGE	41.1588	24	891.40	A
		4.6141		430.00	U
	TOTAL POUNDS ON THIS COMMODITY	45.7729			
	ORCHARD FLOOR	5.4678	2	49.00	A
	PASTURELAND	31.7244	26	623.30	A
	PEACH	4.2127	6	130.51	A
		1.0890	3	150.00	U
	TOTAL POUNDS ON THIS COMMODITY	5.3017			
	PEAS	0.3750	1	6.00	A
	PECAN	13.2001	3	13.00	A
		1.1550		33.00	T
	TOTAL POUNDS ON THIS COMMODITY	14.3551			
	PERSIMMON	0.4910	10	17.78	A
	PISTACHIO	1,274.1039		2,206,828.00	C
		1,135.3100		6,972.50	K
		89.6500		2,810.00	T
		63.1750	10	1,089.00	A
		9.5040	2	600.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,571.7429			



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<b>ALUMINUM PHOSPHIDE</b>					
	PLUM	47.8500		3,524.00	K
		0.2166	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	48.0666			
	PRUNE	162.9850		1,629,152.00	C
		71.0936	31	1,612.25	A
	TOTAL POUNDS ON THIS COMMODITY	234.0786			
	PUBLIC HEALTH	31.0750			
	RANGELAND	20.9500	4	109.00	A
	RASPBERRY	0.2700	1	10.00	A
	RESEARCH COMMODITY	15.3010			
	RICE	803.6490		36,106.75	T
		20.1483		143,200.00	C
		18.7000		900.00	K
	TOTAL POUNDS ON THIS COMMODITY	842.4973			
	RICE, WILD	0.3592		1,000.00	C
	RIGHTS OF WAY	1,939.6142			
		5.7975	21	855.50	A
	TOTAL POUNDS ON THIS COMMODITY	1,945.4117			
	SAFFLOWER	6.9781		278.00	T
		1.6500		35,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	8.6281			
	STORAGE AREA/BOX	70.4000		4,443.80	T
		63.5250		951,280.00	C
		0.2425	1	40.00	U
		0.0066	2	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	134.1741			
	STRAWBERRY	4.6738	14	636.00	A
	STRUCTURAL PEST CONTROL	10,923.4862			
	SUDANGRASS	45.7496		25,032.50	T
	SUNFLOWER	45.6622		73,128.00	C
		7.2738		271.50	T
	TOTAL POUNDS ON THIS COMMODITY	52.9360			
	TURF/SOD	15.0525	8	103.96	A
	UNCULTIVATED AG	11.8539	25	717.90	A
	UNCULTIVATED NON-AG	473.6757	6	83.30	A
	VEGETABLE	11.0000		135,000.00	C
	VERTEBRATE CONTROL	7,981.2958			
		68.8564	38	1,823.23	A
	TOTAL POUNDS ON THIS COMMODITY	8,050.1522			
	WALNUT	158.4306	140	6,239.70	A
		27.4793		1,817,500.00	P
		25.7950		22,518.25	T
		3.8069	2	501.00	U
		2.6658		34,426.00	C
		0.0516	2	50.00	S
	TOTAL POUNDS ON THIS COMMODITY	218.2292			
	WATER AREA	1,402.5000		23,522.40	K
	WHEAT	10,122.8959		412,500.00	C
		1,107.5200		84,519.90	T
		84.3370	4	22.00	U
		1.9800	1	320.00	A
		0.8250		537,793.00	P
	TOTAL POUNDS ON THIS COMMODITY	11,317.5579			
	Chemical Total	131,229.9569	2,304		
<b>ALUMINUM SULFATE</b>					
	WALNUT	2.7000	1	60.00	A
	Chemical Total	2.7000	1		

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<b>4-AMINOPYRIDINE</b>					
	COMMODITY FUMIGATION	0.0013			
	LANDSCAPE MAINTENANCE	0.2205			
	RIGHTS OF WAY	0.0025			
	STRUCTURAL PEST CONTROL	31.9533			
	VERTEBRATE CONTROL	1.0584			
	Chemical Total	33.2360			
<b>AMITROLE</b>					
	LANDSCAPE MAINTENANCE	7.3265			
	PUBLIC HEALTH	0.2147			
	RIGHTS OF WAY	12.7634			
	Chemical Total	20.3046			
<b>AMMONIUM FLUOSILICATE</b>					
	LANDSCAPE MAINTENANCE	0.0030			
	Chemical Total	0.0030			
<b>AMMONIUM OLEATE</b>					
	GRAPE	4.1878	4	88.00	A
	GRAPE, WINE	2.8553	3	60.00	A
	Chemical Total	7.0431	7		
<b>AMMONIUM NITRATE</b>					
	ALFALFA	325.1262	24	1,480.10	A
	ALMOND	1,799.6072	308	17,184.80	A
	APPLE	4.7831	6	130.00	A
	APRICOT	4.0384	8	119.00	A
	ASPARAGUS	16.3034	4	427.80	A
	BEAN, UNSPECIFIED	7.8769	3	63.00	A
	BROCCOLI	2.2256	1	35.00	A
	CHERRY	8.0455	5	56.00	A
	CORN (FORAGE - FODDER)	611.9509	64	3,572.40	A
	COTTON	83.7584	37	3,066.40	A
	GARLIC	3.9431	1	155.00	A
	GRAPE	455.3469	259	9,259.39	A
	GRAPE, WINE	90.3234	65	2,420.98	A
	KIWI	6.4974	2	49.00	A
	LANDSCAPE MAINTENANCE	0.0937			
	LEMON	1.1495	1	23.00	A
	MUSTARD	22.2286	2	118.60	A
	N-OUTDR PLANTS IN CONTAINERS	0.3280	3	2.63	A
	NECTARINE	16.6933	37	375.26	A
	OLIVE	23.3250	4	105.00	A
	ONION, DRY	6.9486	5	230.02	A
	ORANGE	297.8946	114	3,347.60	A
	PASTURELAND	0.9996	1	20.00	A
	PEACH	32.6723	67	590.52	A
	PEPPER, FRUITING	11.1256	3	89.00	A
	PEPPER, SPICE	0.9996	1	4.00	A
	PISTACHIO	65.6838	19	1,262.00	A
	PLUM	46.4877	59	961.92	A
	POTATO	9.9960	1	35.00	A
	PRUNE	321.9966	74	3,273.25	A
	PUMPKIN	1.1296	1	9.00	A
	RANGELAND	7.0144	3	133.00	A
	RIGHTS OF WAY	48.7887			
	SOIL FUMIGATION/PREPLANT	118.3077	38	2,639.40	A
	STRAWBERRY	3.3787	1	18.00	A
	STRUCTURAL PEST CONTROL	0.1562			
	TANGELO	0.4998	2	16.00	A
	TOMATO	3.7285	2	37.00	A
	TOMATO, PROCESSING	36.7965	7	766.87	A
	UNCULTIVATED AG	138.9543	46	750.10	A
	UNCULTIVATED NON-AG	268.0738	108	1,281.90	A

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<b>AMMONIUM NITRATE</b>					
	UNKNOWN	3.6839	1	145.00	A
	WALNUT	627.8631	145	7,545.86	A
	WHEAT	57.6942	9	1,310.00	A
	Chemical Total	5,594.5183	1,541		
<b>AMMONIUM PROPIONATE</b>					
	ALFALFA	1,275.1112	169	10,619.80	A
	ALMOND	110.0237	47	2,403.05	A
	AVOCADO	2.5842	3	14.50	A
	BARLEY	5.9776	1	65.00	A
	BEAN, DRIED	24.0599	5	209.30	A
	BEAN, SUCCULENT	2.5382	1	55.00	A
	BROCCOLI	13.8864	3	104.00	A
	CABBAGE	1.8393	1	4.00	A
	CANTALOUPE	8.6261	1	75.00	A
	CELERY	0.2134	1	5.40	A
	CORN (FORAGE - FODDER)	144.4236	20	1,390.10	A
	CORN, HUMAN CONSUMPTION	456.9054	97	3,258.00	A
	COTTON	649.1438	192	21,123.98	A
	DITCH BANK	12.8748	2	112.00	A
	FORAGE HAY/SILAGE	3.2187	1	21.00	A
	GARLIC	5.5178	1	75.00	A
	GRAPE	2.0692	1	18.00	A
	GRAPE, WINE	1,226.9360	322	7,367.15	A
	GRAPEFRUIT	0.5702	1	5.00	A
	LANDSCAPE MAINTENANCE	51.2307			
	LEMON	56.4746	19	365.00	A
	LETTUCE, HEAD	7.1363	2	62.00	A
	MINT	19.1890	9	435.00	A
	N-OUTDR FLOWER	41.6134	8	49.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.4598	2	2.00	A
	OAT (FORAGE - FODDER)	32.4170	3	135.00	A
	OLIVE	0.4598	1	9.00	A
	ONION, DRY	45.6689	7	496.15	A
	ORANGE	276.7749	75	2,757.00	A
	PASTURELAND	3.7418	3	80.00	A
	PEACH	50.8741	42	1,013.85	A
	PEAR	52.5742	5	140.50	A
	PECAN	7.0077	25	313.85	A
	PEPPER, FRUITING	0.6667	2	9.50	A
	PLUM	7.4490	14	142.50	A
	POTATO	27.9246	16	984.00	A
	PRUNE	99.9824	15	2,085.50	A
	RANGELAND	169.0284	15	550.00	A
	RICE	32.1871	1	140.00	A
	RIGHTS OF WAY	609.3712			
	RYEGRASS	25.7497	3	112.00	A
	SAFFLOWER	41.1076	14	758.00	A
	SOIL FUMIGATION/PREPLANT	157.4594	10	514.30	A
	SOYBEAN	303.1797	8	467.00	A
	STRAWBERRY	196.8012	4	214.00	A
	SUNFLOWER	20.6917	4	197.00	A
	TANGELO	2.1267	3	55.00	A
	TANGERINE	1.2875	1	7.00	A
	TOMATO	68.9540	14	581.60	A
	TOMATO, PROCESSING	255.9290	96	6,741.00	A
	UNCULTIVATED AG	1,129.5808	232	14,812.45	A
	UNCULTIVATED NON-AG	5.5178	1	20.00	A
	WALNUT	24.0162	14	353.00	A
	WHEAT	198.9647	21	897.20	A
	WHEAT (FORAGE - FODDER)	12.5300	2	109.00	A
	Chemical Total	7,982.6471	1,560		

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<b>AMMONIUM SULFAMATE</b>					
	RIGHTS OF WAY	19.0000			
	Chemical Total	19.0000			
<b>AMMONIUM SULFATE</b>					
	ALFALFA	13,301.8142	1,130	62,212.34	A
	ALMOND	75,995.0579	2,040	139,997.71	A
	APPLE	678.2184	36	784.44	A
	APRICOT	39.5011	20	282.00	A
	ARTICHOKE, GLOBE	26.3074	2	26.50	A
	ASPARAGUS	353.5489	30	1,434.23	A
	AVOCADO	36.7900	10	53.50	A
	BARLEY	1,108.8744	16	735.30	A
	BARLEY (FORAGE - FODDER)	29.7358	1	77.00	A
	BEAN, DRIED	909.5391	26	1,833.30	A
	BEAN, SUCCULENT	0.6345	1	55.00	A
	BEAN, UNSPECIFIED	15.7537	3	63.00	A
	BLUEBERRY	196.6798	20	674.33	A
	BOK CHOY	1.9309	2	3.00	A
	BROCCOLI	24.7602	6	244.69	A
	CABBAGE	0.4598	1	4.00	A
	CANOLA (RAPE)	21.0855	3	212.00	A
	CANTALOUPE	127.9787	7	438.00	A
	CARROT	176.5445	6	422.46	A
	CAULIFLOWER	191.9294	94	1,412.90	A
	CELERY	193.9895	86	1,080.90	A
	CHERRY	1,338.4284	137	4,727.85	A
	CHESTNUT	0.9509	4	32.50	A
	CHINESE CABBAGE (NAPPA)	14.7907	2	17.95	A
	CITRUS	47.3069	1	35.00	A
	CLOVER	9.8014	5	93.00	A
	COMMODITY FUMIGATION	2.1850			
	CORN (FORAGE - FODDER)	11,169.3139	694	35,362.74	A
	CORN, HUMAN CONSUMPTION	338.9798	113	4,562.50	A
	COTTON	16,862.0624	1,814	132,019.19	A
	CUCUMBER	13.7595	3	83.00	A
	DITCH BANK	3.2187	2	112.00	A
	FIG	166.0569	2	560.00	A
	FORAGE HAY/SILAGE	3.0624	2	44.00	A
	FOREST, TIMBERLAND	3.7457	2	1,000.00	A
	GARLIC	1,042.7767	16	1,918.00	A
	GRAPE	6,969.9610	486	18,121.35	A
	GRAPE, WINE	8,370.9023	869	28,107.35	A
	GRAPEFRUIT	0.1425	1	5.00	A
	KIWI	91.7435	72	614.50	A
	LANDSCAPE MAINTENANCE	6,102.7576			
	LEMON	600.1634	81	2,822.71	A
	LETTUCE, HEAD	484.7960	228	3,488.50	A
	LETTUCE, LEAF	8.7562	2	88.00	A
	MELON	288.8058	7	741.00	A
	MINT	4.7973	9	435.00	A
	MUSTARD	44.4572	2	118.60	A
	N-GRNHS FLOWER	15.6885	4	26.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.9816	1	1.00	A
	N-OUTDR FLOWER	171.3473	124	701.96	A
		11.5854	1	15,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	182.9327			
	N-OUTDR PLANTS IN CONTAINERS	7.7670	9	28.63	A
	N-OUTDR TRANSPLANTS	39.2653	4	188.00	A
	NECTARINE	196.8555	47	477.76	A
	OAT	20.0800	6	139.40	A
	OAT (FORAGE - FODDER)	1,331.8026	90	3,470.30	A
	OLIVE	140.6667	38	1,050.90	A
	ONION, DRY	363.6331	18	1,527.32	A
	ORANGE	4,025.9558	523	18,844.13	A
	PASTURELAND	111.9440	16	493.00	A
	PEACH	967.4826	238	3,959.91	A
	PEAR	294.2033	40	671.35	A

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<b>AMMONIUM SULFATE</b>					
	PECAN	23.5773	28	418.85	A
	PEPPER, FRUITING	165.6516	15	337.80	A
	PEPPER, SPICE	1.9992	1	4.00	A
	PERSIMMON	164.5100	4	29.50	A
	PISTACHIO	1,605.8504	70	5,761.15	A
	PLUM	952.3390	263	4,744.56	A
	POMEGRANATE	2.8897	1	157.00	A
	POTATO	143.7415	23	1,381.00	A
	PRUNE	618.8791	143	7,633.32	A
	PUMPKIN	8.5021	2	109.00	A
	RANGELAND	118.1286	19	756.00	A
	RESEARCH COMMODITY	0.9365			
	RICE	4,382.0963	307	19,737.00	A
	RICE, WILD	88.1935	3	575.00	A
	RIGHTS OF WAY	9,066.6105			
		107.0565	5	96.75	A
	TOTAL POUNDS ON THIS COMMODITY	9,173.6670			
	RYEGRASS	86.9313	6	276.00	A
	SAFFLOWER	369.4287	38	5,247.70	A
	SOIL FUMIGATION/PREPLANT	1,483.8850	135	11,801.04	A
	SORGHUM (FORAGE - FODDER)	18.7289	1	150.00	A
	SORGHUM/MILO	19.6653	4	183.00	A
	SOYBEAN	100.8916	10	577.00	A
	SQUASH	23.9258	7	191.00	A
	STRAWBERRY	58.0965	7	236.50	A
	STRUCTURAL PEST CONTROL	33.4226			
	SUDANGRASS	151.9295	14	572.20	A
	SUGARBEET	289.0155	29	2,540.20	A
	SUNFLOWER	38.6019	10	595.30	A
	TANGELO	42.8548	10	245.42	A
	TANGERINE	1,578.5845	92	8,201.29	A
	TOMATO	280.8888	25	1,134.85	A
	TOMATO, PROCESSING	3,950.0628	282	22,530.17	A
	UNCULTIVATED AG	4,920.9850	756	38,973.48	A
		4.8273	1	40.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,925.8123			
	UNCULTIVATED NON-AG	342.1890	112	918.80	A
	UNKNOWN	12.5116	2	166.00	A
	VERTEBRATE CONTROL	2.2087	1	18.00	A
	WALNUT	6,538.8372	678	24,720.54	A
	WATER AREA	0.4682	2	120.00	A
	WATERMELON	104.3740	13	525.20	A
	WHEAT	858.7447	83	6,063.50	A
	WHEAT (FORAGE - FODDER)	512.5666	35	1,869.45	A
	Chemical Total	194,389.7021	12,490		
<b>AMMONIUM TALL OIL FATTY ACID SOAP</b>					
	APPLE	0.5809	1	10.00	A
	GRAPE, WINE	38.0070	11	59.02	A
	LANDSCAPE MAINTENANCE	1.7429			
	LEMON	0.0539	2	16.00	A
	N-OUTDR PLANTS IN CONTAINERS	31.4871	11	9.31	A
	N-OUTDR TRANSPLANTS	0.2760	1	10.00	A
	RESEARCH COMMODITY	5.0430			
	UNCULTIVATED NON-AG	1.4082	1	0.50	A
	VERTEBRATE CONTROL	0.1892			
	Chemical Total	78.7882	27		
<b>AMMONIUM THIOCYANATE</b>					
	ALMOND	103.2390	2	205.00	A
	Chemical Total	103.2390	2		

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<b>AMMONIUM THIOSULFATE</b>					
	LANDSCAPE MAINTENANCE	1.6378			
	Chemical Total	1.6378			
<b>AMPELOMYCES QUISQUALIS</b>					
	GRAPE	0.3716	15	683.00	A
	GRAPE, WINE	0.0041	4	11.50	A
	N-GRNHS FLOWER	0.0025	2	2.00	A
	Chemical Total	0.3782	21		
<b>PARA-TERT-AMYLPHENOL</b>					
	ANIMAL PREMISE	418.7771		341.00	U
		106.0901	1	228.00	A
		58.7480		1,470,861.00	S
	TOTAL POUNDS ON THIS COMMODITY	583.6152			
	FUMIGATION, OTHER	4.6300			
	HOUSEHOLD	2.1246		8.00	U
	LANDSCAPE MAINTENANCE	6,961.2066			
	POULTRY	7.7904		109.00	U
		0.0996		10.00	A
	TOTAL POUNDS ON THIS COMMODITY	7.8900			
	RIGHTS OF WAY	2.8522			
	STRUCTURAL PEST CONTROL	26.6349			
	VERTEBRATE CONTROL	5.9177			
	Chemical Total	7,594.8712	1		
<b>PARA-TERT-AMYLPHENOL, POTASSIUM SALT</b>					
	FUMIGATION, OTHER	3.1400			
	LANDSCAPE MAINTENANCE	1.5700			
	STRUCTURAL PEST CONTROL	4.7101			
	Chemical Total	9.4201			
<b>ANCYMIDOL</b>					
	N-GRNHS FLOWER	0.0229	31	4.69	A
	N-GRNHS PLANTS IN CONTAINERS	0.7429	75	165.54	A
		0.5958	101	487,731.00	S
		0.0037	9	45,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.3424			
	N-GRNHS TRANSPLANTS	0.2627	427	3,598,525.00	S
		0.0110	12	2.71	A
	TOTAL POUNDS ON THIS COMMODITY	0.2737			
	N-OUTDR PLANTS IN CONTAINERS	0.3359	24	850,478.00	S
		0.1726	42	74.35	A
	TOTAL POUNDS ON THIS COMMODITY	0.5085			
	N-OUTDR TRANSPLANTS	0.0529	57	43.71	A
		0.0024	7	8,250.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0553			
	Chemical Total	2.2028	785		
<b>ANILAZINE</b>					
	CELERY	4.5000	1	2.00	A
	GRAPE, WINE	97.6563	1	40.00	A
	LANDSCAPE MAINTENANCE	42.0583			
	N-OUTDR PLANTS IN CONTAINERS	0.1076	1	0.25	A
	STRAWBERRY	526.5000	5	351.00	A
	STRUCTURAL PEST CONTROL	1.5372			
	Chemical Total	672.3594	8		

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<b>AROMATIC 150</b>					
	ALMOND	8.3821	1	32.00	A
	GRAPE, WINE	42.0000	1	20.00	A
	STRUCTURAL PEST CONTROL	22.6576			
	Chemical Total	73.0397	2		
<b>ARSENIC ACID</b>					
	LANDSCAPE MAINTENANCE	222.7500			
	Chemical Total	222.7500			
<b>ARSENIC PENTOXIDE</b>					
	GRAPE, WINE	3.6803	3	48.00	A
	LUMBER, TREATED	9,095.5979		535,880.00	U
		3,605.3600		62,533.56	C
	TOTAL POUNDS ON THIS COMMODITY	12,700.9579			
	Chemical Total	12,704.6382	3		
<b>ARSENIC TRIOXIDE</b>					
	LANDSCAPE MAINTENANCE	0.0003			
	STRUCTURAL PEST CONTROL	0.1006			
	Chemical Total	0.1009			
<b>ATRAZINE</b>					
	BERMUDAGRASS	5,275.6624	53	3,715.50	A
	CHRISTMAS TREE	31.5546	2	8.00	A
	CORN (FORAGE - FODDER)	7,228.1002	89	7,084.30	A
	CORN, HUMAN CONSUMPTION	6,911.6183	165	6,541.50	A
	FOREST, TIMBERLAND	11,507.3398	180	4,630.36	A
	GRAPE, WINE	0.6105	1	4.00	A
	LANDSCAPE MAINTENANCE	469.2170			
	N-OUTDR PLANTS IN CONTAINERS	2.9304	1	2.00	A
	N-OUTDR TRANSPLANTS	81.1440	1	18.50	A
	RIGHTS OF WAY	82.0485			
	SORGHUM/MILO	531.6761	6	445.00	A
	SUDANGRASS	6,199.6005	79	3,993.70	A
	SUGARCANE	243.9649	5	101.00	A
	TURF/SOD	113.7886	38	109.23	A
	UNCULTIVATED AG	22.0500	1	257.68	A
	Chemical Total	38,701.3058	621		
<b>ATRAZINE, OTHER RELATED</b>					
	BERMUDAGRASS	111.4577	53	3,715.50	A
	CHRISTMAS TREE	0.6774	2	8.00	A
	CORN (FORAGE - FODDER)	151.5823	89	7,084.30	A
	CORN, HUMAN CONSUMPTION	146.2019	165	6,541.50	A
	FOREST, TIMBERLAND	236.7903	180	4,630.36	A
	GRAPE, WINE	0.0116	1	4.00	A
	LANDSCAPE MAINTENANCE	9.6880			
	N-OUTDR PLANTS IN CONTAINERS	0.0556	1	2.00	A
	N-OUTDR TRANSPLANTS	1.6560	1	18.50	A
	RIGHTS OF WAY	1.7334			
	SORGHUM/MILO	11.0918	6	445.00	A
	SUDANGRASS	130.9775	79	3,993.70	A
	SUGARCANE	5.1542	5	101.00	A
	TURF/SOD	2.4040	38	109.23	A
	UNCULTIVATED AG	0.4500	1	257.68	A
	Chemical Total	809.9317	621		

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<b>AZADIRACTIN</b>					
	ALFALFA	0.2564	4	227.00	A
	APPLE	1.9548	2	176.12	A
	ARRUGULA	0.5497	21	66.80	A
		0.0079	10	7,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5576			
	ARTICHOKE, GLOBE	9.6760	65	508.41	A
	ASPARAGUS	0.4096	4	120.00	A
	BASIL, SWEET	4.3650	148	342.97	A
	BEAN, SUCCULENT	8.7961	18	355.49	A
	BEET	0.9863	86	85.76	A
	BLACKBERRY	1.1173	7	40.19	A
	BLUEBERRY	0.1113	4	11.50	A
	BOK CHOY	0.2922	45	40.20	A
	BROCCOLI	45.2214	281	2,107.27	A
	CABBAGE	1.6378	83	169.49	A
		0.0276	19	13,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.6654			
	CANTALOUPE	993.3183	5	650.00	A
	CARROT	0.2372	1	16.50	A
	CAULIFLOWER	16.4152	139	623.12	A
	CELERIAC	0.1948	17	140.39	A
	CELERY	61.4134	438	2,570.89	A
	CHERVIL	0.0146	2	4.00	A
	CHICORY	0.1284	4	7.61	A
	CHINESE CABBAGE (NAPPA)	1.4563	16	156.40	A
	CHINESE GREENS	0.0313	4	2.50	A
	CHIVE	0.5000	12	56.14	A
	CILANTRO	2.8951	48	142.02	A
	CITRUS	0.6142	6	43.00	A
	COLLARD	0.2475	45	58.87	A
	CUCUMBER	2.8907	49	74.40	A
	DAIKON	0.1171	15	12.16	A
	DANDELION GREEN	0.0175	4	1.96	A
	DILL	0.2077	25	24.55	A
	EGGPLANT	0.3412	5	37.50	A
	ENDIVE (ESCAROLE)	10.2714	103	430.92	A
	GAI LON	0.0682	2	6.00	A
	GRAPE	28.5297	74	2,063.72	A
	GRAPE, WINE	5.1056	5	213.00	A
	HERB, SPICE	2.6496	104	168.78	A
		0.1972	8	412,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.8468			
	KALE	4.3896	147	343.32	A
	KOHLRABI	0.0084	2	0.99	A
	LANDSCAPE MAINTENANCE	12.6081			
	LEEK	1.5855	7	86.38	A
	LEMON	0.9078	2	12.00	A
	LETTUCE, HEAD	33.0896	165	1,967.74	A
		0.0071	9	1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	33.0967			
	LETTUCE, LEAF	246.1858	1,371	13,526.45	A
		0.0158	20	33,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	246.2016			
	MELON	622.5094	5	445.50	A
	MINT	0.5087	17	51.34	A
	MIZUNA	0.7965	24	96.95	A
		0.0087	11	3,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.8052			
	MUSHROOM	4.3474	680	3,770,852.00	S
		2.9387	11	71.70	A
	TOTAL POUNDS ON THIS COMMODITY	7.2861			
	MUSTARD	1.6429	81	382.18	A
		0.0049	6	900.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.6478			
	N-GRNHS FLOWER	81.3775	1,171	3,051.78	A
		7.9020	101	3,610,850.00	S
		0.0031		3,820.00	U
	TOTAL POUNDS ON THIS COMMODITY	89.2826			



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<b>AZADIRACTIN</b>					
	N-GRNHS PLANTS IN CONTAINERS	33.9448	529	1,147.91	A
		24.3289	658	28,733,565.00	S
	TOTAL POUNDS ON THIS COMMODITY	58.2737			
	N-GRNHS TRANSPLANTS	1.5574	183	182.09	A
		1.3333	90	2,953,100.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.8907			
	N-OUTDR FLOWER	20.8832	232	1,006.28	A
	N-OUTDR PLANTS IN CONTAINERS	40.5753	295	1,352.69	A
		2.1732	65	3,164,894.00	S
		0.0062	2	6,100.00	U
	TOTAL POUNDS ON THIS COMMODITY	42.7547			
	N-OUTDR TRANSPLANTS	9.6557	55	740.24	A
		0.2115	14	190,169.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.8672			
	NECTARINE	1.6096	6	92.00	A
	ONION, DRY	20.8563	33	885.17	A
	ONION, GREEN	36.5691	158	1,270.15	A
	ORANGE	1.4854	8	110.00	A
	PARSLEY	0.0975	7	9.03	A
	PEACH	1.0386	3	48.00	A
	PEAS	3.2154	21	233.30	A
	PEPPER, FRUITING	6.9393	20	430.10	A
	PEPPER, SPICE	0.3276	1	7.50	A
	PLUM	0.2146	3	19.00	A
	POTATO	36.6879	38	984.67	A
	RAPPINI	1.5214	14	167.80	A
	RASPBERRY	6.2051	16	134.80	A
	RESEARCH COMMODITY	0.8590			
		0.1485	16	2.99	A
		0.0560	14	87,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.0635			
	RIGHTS OF WAY	0.1969			
	SAGE	0.3040	7	38.00	A
	SOIL FUMIGATION/PREPLANT	0.0044	3	8.00	A
	SPINACH	79.5451	734	5,493.41	A
		0.0079	10	2,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	79.5530			
	SQUASH	4.2612	12	150.77	A
	SQUASH, WINTER	1.6743	1	37.00	A
	STRAWBERRY	76.4265	137	2,895.24	A
	STRUCTURAL PEST CONTROL	0.7105			
	SWISS CHARD	9.8136	312	734.18	A
	TARRAGON	0.1747	5	17.00	A
	TOMATO	246.8226	256	12,662.40	A
		0.4763	13	728,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	247.2989			
	TURNIP	0.1751	29	20.42	A
	UNKNOWN	0.7386	11	70.55	A
	VEGETABLE	0.0435	6	7.35	A
	VEGETABLES, LEAFY	5.8348	31	278.70	A
	WATERCRESS	0.0079	10	4,200.00	S
	WATERMELON	10.6810	22	455.66	A
	Chemical Total	2,914.5088	9,838		
<b>AZINPHOS -METHYL</b>					
	ALMOND	8,499.2100	70	4,602.93	A
	APPLE	17,182.0500	517	13,919.63	A
	APRICOT	1.0000	1	1.00	A
	BLACKBERRY	5.0000	1	10.00	A
	BROCCOLI	146.9200	21	195.90	A
	BRUSSELS SPROUT	622.8700	79	839.50	A
	CABBAGE	50.7391	6	33.50	A
	CAULIFLOWER	247.2250	28	338.30	A
	CELERY	16.3750	4	43.00	A
	CHERRY	105.0025	6	140.10	A
	CITRUS	1.5000	1	2.00	A
	LEMON	27.0000	2	100.00	A

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<b>AZINPHOS -METHYL</b>					
	NECTARINE	1,506.1950	51	1,326.00	A
	ONION, DRY	16.5000	1	22.00	A
	ONION, GREEN	10.0000	1	20.00	A
	ORANGE	387.5000	3	277.00	A
	PEACH	1,994.4340	70	1,628.18	A
	PEAR	10,817.8850	321	8,332.18	A
	PISTACHIO	5,047.6500	24	3,861.24	A
	PLUM	735.7800	29	690.60	A
	POTATO	293.1000	15	390.80	A
	QUINCE	229.4450	26	169.60	A
	RASPBERRY	1.4840	1	3.00	A
	RESEARCH COMMODITY	1.1250	1	1.50	A
		0.0450			
	TOTAL POUNDS ON THIS COMMODITY	1.1700			
	STRUCTURAL PEST CONTROL	0.4057			
	WALNUT	2,616.0000	56	1,674.30	A
	Chemical Total	50,562.4403	1,335		
<b>AZOXYSTROBIN</b>					
	ALMOND	19,961.2437	1,411	100,952.62	A
	APRICOT	303.3845	35	1,457.50	A
	ARRUGULA	3.4113	2	15.50	A
	BARLEY	15.8866	4	230.00	A
	BEEF	21.8486	85	149.63	A
	BLUEBERRY	34.8898	9	177.00	A
	BOK CHOY	49.2939	159	249.37	A
	BROCCOLI	269.5297	162	1,645.99	A
	BRUSSELS SPROUT	11.1643	9	44.82	A
	CABBAGE	8.3145	6	57.55	A
	CANTALOUPE	47.0480	8	966.00	A
	CARROT	1,609.0185	130	8,413.61	A
	CELERIAC	31.8263	79	285.14	A
	CELERY	1,212.8539	339	5,942.92	A
	CHERRY	14.8382	4	78.00	A
	CHESTNUT	1.5919	2	8.20	A
	CHICORY	101.5243	73	423.98	A
	CHINESE CABBAGE (NAPPA)	0.4366	1	2.20	A
	CILANTRO	30.8973	56	184.70	A
	CITRUS	126.6803	4	84.00	A
	COLE CROP	44.0386	8	175.90	A
	COLLARD	39.1215	70	255.20	A
	CORN, HUMAN CONSUMPTION	61.8668	25	577.00	A
	COTTON	4,478.3371	275	41,157.18	A
	CUCUMBER	12.6487	3	65.00	A
	DAIKON	5.9010	34	35.87	A
	DANDELION GREEN	3.7613	22	31.87	A
	ENDIVE (ESCAROLE)	8.1434	9	49.90	A
	FENNEL	0.2509	1	1.00	A
	GARLIC	2,353.1080	102	12,782.30	A
	GRAPE	2,471.0589	233	12,030.47	A
	GRAPE, WINE	5,621.3106	772	28,214.57	A
	GRAPEFRUIT	1.0453	1	5.00	A
	HERB, SPICE	0.1949	1	0.66	A
	KALE	39.1945	81	188.59	A
	LANDSCAPE MAINTENANCE	1,737.2528			
	LEEK	33.5395	35	181.03	A
	LETTUCE, HEAD	405.3738	125	1,936.67	A
	LETTUCE, LEAF	536.0235	520	3,062.90	A
	MELON	153.4206	12	917.00	A
	MINT	0.3046	2	1.25	A
	MUSTARD	42.3264	177	278.04	A
	N-GRNHS FLOWER	33.3161	188	423.84	A
		2.7563	22	406,218.00	S
	TOTAL POUNDS ON THIS COMMODITY	36.0724			

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<b>AZOXYSTROBIN</b>					
	N-GRNHS PLANTS IN CONTAINERS	163.5188	603	934.26	A
		61.5916	340	10,253,684.00	S
		0.1079	4	2,075.00	U
	TOTAL POUNDS ON THIS COMMODITY	225.2183			
	N-GRNHS TRANSPLANTS	42.3366	95	1,549.71	A
		5.3953	203	2,909,438.00	S
		0.2744	4	2,676.00	U
		0.0625			
		0.0016		0.70	T
	TOTAL POUNDS ON THIS COMMODITY	48.0704			
	N-OUTDR FLOWER	108.5111	292	1,070.57	A
		8.6719		59.20	P
		4.4500		20.60	?
		4.0501	34	2,255,728.00	S
	TOTAL POUNDS ON THIS COMMODITY	125.6831			
	N-OUTDR PLANTS IN CONTAINERS	477.8532	714	3,550.17	A
		22.8841	173	5,172,662.00	S
		5.4099	20	1,514,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	506.1472			
	N-OUTDR TRANSPLANTS	331.3220	376	2,040.56	A
		100.6979	244	16,772,445.00	S
		0.0122	1	1,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	432.0321			
	NECTARINE	8.2184	4	34.50	A
	OLIVE	1.4971	1	14.70	A
	ONION, DRY	366.6947	47	2,245.90	A
	ONION, GREEN	10.5802	3	42.00	A
	ORANGE	60.9983	19	317.50	A
	PARSLEY	129.9098	213	776.17	A
	PARSNIP	9.8263	1	50.00	A
	PEACH	225.2097	28	1,108.80	A
	PEPPER, FRUITING	369.4067	53	1,811.50	A
	PEPPER, SPICE	190.3171	28	1,073.50	A
	PISTACHIO	1,182.7228	101	5,757.00	A
	PLUM	3.7632	2	30.00	A
	POTATO	3,000.4138	298	18,829.38	A
	PRUNE	13.6535	3	64.00	A
	PUBLIC HEALTH	1.2500			
	PUMPKIN	9.6635	6	63.00	A
	RADISH	98.5957	99	558.55	A
	RAPPINI	59.0926	22	240.30	A
	RECREATION AREA	0.0125		0.03	A
	RESEARCH COMMODITY	7.1611			
		0.2232	13	1.60	A
		0.1156	6	36,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.4999			
	RICE	25,948.5138	2,006	167,767.08	A
	RIGHTS OF WAY	0.3103			
	SOIL FUMIGATION/PREPLANT	19.5586	2	194.20	A
	SPINACH	423.0895	213	1,776.94	A
	SQUASH	38.5355	9	160.77	A
	SQUASH, SUMMER	11.6098	3	50.50	A
	STRAWBERRY	4,933.5228	694	23,580.92	A
		7.7630	3	478,787.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,941.2858			
	STRUCTURAL PEST CONTROL	3.8335			
	SUGARBEET	333.5367	14	1,741.00	A
	SWISS CHARD	70.7495	346	450.47	A
	TANGERINE	87.2980	32	381.30	A
	TOMATO	811.3745	204	8,460.50	A
	TOMATO, PROCESSING	2,893.1125	410	29,609.60	A
	TURF/SOD	35.2175	12	275.50	A
	TURNIP	15.0831	78	115.31	A
	UNKNOWN	1.4620	1	9.00	A
	VEGETABLES, LEAFY	0.4873	1	2.10	A
	VERTEBRATE CONTROL	4.0743	2	20.50	A
		0.1782			
	TOTAL POUNDS ON THIS COMMODITY	4.2525			

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<b>AZOXYSTROBIN</b>					
	WATERMELON	56.9696	11	270.00	A
	WHEAT	2,495.7913	198	16,286.73	A
	WHEAT (FORAGE - FODDER)	56.4928	11	498.10	A
	Chemical Total	87,275.0183	13,596		
<b>BACILLUS PUMILUS, STRAIN QST 2808</b>					
	GRAPE, WINE	0.8522	1	3.64	A
	RESEARCH COMMODITY	0.9365			
	Chemical Total	1.7887	1		
<b>BACILLUS SPHAERICUS, SEROTYPE H-5A5B, STRAIN 2362</b>					
	LANDSCAPE MAINTENANCE	33.7875			
	PUBLIC HEALTH	14,151.6849			
	STRUCTURAL PEST CONTROL	1.6709			
	Chemical Total	14,187.1433			
<b>BACILLUS SUBTILIS GB03</b>					
	BEAN, DRIED	0.4675		127.80	T
	COTTON	3.2450		377.60	A
		2.1285		247.80	T
		0.0006		160.00	P
	TOTAL POUNDS ON THIS COMMODITY	5.3741			
	N-OUTDR PLANTS IN CONTAINERS	0.0239	3	77,500.00	S
	STRUCTURAL PEST CONTROL	1.5070			
	Chemical Total	7.3725	3		
<b>BACILLUS THURINGIENSIS (BERLINER)</b>					
	APRICOT	0.0214	3	0.60	A
	CANTALOUPE	4.1600	1	130.00	A
	CHERRY	0.0160	3	0.75	A
	FORAGE HAY/SILAGE	0.8750	1	8.00	A
	GRAPE	0.0384	1	80.00	A
	GRAPE, WINE	0.0156	1	1.00	A
	LANDSCAPE MAINTENANCE	0.4965			
	N-OUTDR PLANTS IN CONTAINERS	0.0428	5	7.00	A
	NECTARINE	0.2586	4	4.00	A
	PEACH	0.5574	3	15.60	A
	PLUM	0.0214	3	0.65	A
	PUBLIC HEALTH	1.9321			
	RIGHTS OF WAY	0.0476			
	STRUCTURAL PEST CONTROL	0.5680			
	TOMATO, PROCESSING	2.7489	4	192.00	A
	TURNIP	0.0006	1	1.00	A
	Chemical Total	11.8003	30		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, GC-91 PROTEIN</b>					
	ALFALFA	79.1540	15	1,348.00	A
	APPLE	1.2920	2	34.00	A
	ARTICHOKE, GLOBE	8.1206	16	135.60	A
	BLACKBERRY	29.0035	136	551.42	A
	BLUEBERRY	0.0076	1	0.10	A
	BOK CHOY	4.1876	32	57.30	A
	BROCCOLI	75.8935	100	1,058.57	A
	CABBAGE	0.9424	2	12.40	A
	CANTALOUPE	220.5414	38	4,658.50	A
	CARROT	48.1114	13	843.99	A
	CAULIFLOWER	20.8514	61	312.88	A
	CELERY	70.2846	136	447.15	A
	CHERRY	0.0380	1	2.00	A
	CHICORY	7.9078	7	104.05	A
	CHINESE CABBAGE (NAPPA)	4.6132	28	60.70	A
	CORN, HUMAN CONSUMPTION	0.1520	1	2.00	A
	CUCUMBER	0.7600	1	10.00	A

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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, GC-91 PROTEIN</b>					
	DILL	0.2660	3	3.50	A
	ENDIVE (ESCAROLE)	7.2063	35	96.28	A
	GRAPE, WINE	3.8570	4	51.50	A
	HERB, SPICE	4.3320	46	93.60	A
	KALE	4.5068	16	59.30	A
	LETTUCE, HEAD	272.6779	166	1,662.22	A
	LETTUCE, LEAF	448.7661	528	4,754.51	A
		0.0285	3	18,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	448.7946			
	MELON	57.0380	9	1,350.00	A
	MUSTARD	0.2014	5	2.65	A
	N-GRNHS PLANTS IN CONTAINERS	0.0228	2	0.36	A
	N-GRNHS TRANSPLANTS	5.5572	198	123.33	A
	NECTARINE	32.3182	21	522.53	A
	ONION, GREEN	3.2984	3	43.40	A
	PARSLEY	6.1769	34	83.76	A
	PEACH	8.3182	10	124.81	A
	PEAS	18.4528	18	242.80	A
	PEPPER, FRUITING	21.0699	14	436.90	A
	PLUM	7.3177	10	113.67	A
	PUMPKIN	0.1748	1	4.60	A
	RADISH	0.5472	2	7.20	A
	RASPBERRY	45.7402	65	956.67	A
	RESEARCH COMMODITY	0.0363			
	SPINACH	92.1928	72	772.18	A
	STRAWBERRY	151.2793	129	2,871.31	A
	SUGARBEET	67.4120	6	886.00	A
	TOMATO	49.8408	11	895.40	A
	TOMATO, PROCESSING	2,052.2158	299	35,379.05	A
	VEGETABLES, LEAFY	3.5417	6	8.79	A
		0.0190	2	12,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.5607			
	WATERMELON	151.6827	61	2,312.30	A
	Chemical Total	4,087.9557	2,369		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, SEROTYPE H-7</b>					
	ALFALFA	15.9650	4	135.00	A
	APRICOT	4.7360	5	74.00	A
	ARRUGULA	0.9254	5	8.55	A
	ARTICHOKE, GLOBE	13.4500	6	127.81	A
	ASPARAGUS	5.1479	3	42.00	A
	BEAN, DRIED	71.0700	7	629.00	A
	BEAN, SUCCULENT	70.4458	11	551.20	A
	BEET	0.3013	2	2.50	A
	BOK CHOY	2.9793	23	25.05	A
	BROCCOLI	89.8234	38	619.90	A
	CABBAGE	118.7080	164	1,216.16	A
	CANTALOUPE	299.8588	20	2,261.50	A
	CAULIFLOWER	16.8220	10	170.18	A
	CELERY	271.2673	148	2,433.44	A
	CHICORY	0.5150	1	5.10	A
	CHINESE GREENS	0.2060	2	2.00	A
	COLLARD	47.5658	40	304.51	A
	CORN (FORAGE - FODDER)	16.8920	4	164.00	A
	CORN, HUMAN CONSUMPTION	14.1728	6	68.80	A
	COTTON	14.3788	1	139.60	A
	CUCUMBER	0.2060	1	1.50	A
	DILL	0.1030	2	0.75	A
	GAI LON	0.6180	2	6.00	A
	HERB, SPICE	1.8986	30	14.48	A
		0.0521	1	0.33	U
	TOTAL POUNDS ON THIS COMMODITY	1.9507			
	KALE	23.6184	64	188.93	A
	LANDSCAPE MAINTENANCE	1.3245			
	LETTUCE, HEAD	40.2517	53	319.24	A
	LETTUCE, LEAF	118.5659	98	906.72	A
	MELON	154.7287	12	1,168.16	A

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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. AIZAWAI, SEROTYPE H-7</b>					
	MUSTARD	3.1724	3	20.78	A
	N-GRNHS FLOWER	11.7012	40	71.47	A
		0.6438	20	200,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.3450			
	N-GRNHS PLANTS IN CONTAINERS	1.7948	9	392,384.00	S
		1.0480	13	7.76	A
		0.2833	1	0.99	U
	TOTAL POUNDS ON THIS COMMODITY	3.1261			
	N-GRNHS TRANSPLANTS	20.7624	149	211.32	A
		1.5926	9	765,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	22.3550			
	N-OUTDR FLOWER	8.5902	23	100.40	A
		2.0600	7	435,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.6502			
	N-OUTDR PLANTS IN CONTAINERS	6.9154	28	84.67	A
		0.4893	9	159,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.4047			
	N-OUTDR TRANSPLANTS	62.1476	297	28,478,800.00	S
		5.2025	15	37.16	A
	TOTAL POUNDS ON THIS COMMODITY	67.3501			
	ONION, DRY	6.1800	1	40.00	A
	ONION, GREEN	7.9310	4	77.00	A
	PEPPER, FRUITING	184.9504	38	1,410.35	A
	PEPPER, SPICE	7.7250	1	70.00	A
	PUMPKIN	1.4008	1	13.60	A
	RADISH	0.6180	1	6.00	A
	RAPPINI	0.2575	2	2.00	A
	RASPBERRY	66.0910	33	528.86	A
	SPINACH	8.8090	22	78.55	A
	STRAWBERRY	716.2198	165	5,690.92	A
	STRUCTURAL PEST CONTROL	1.0847			
	SUGARBEET	60.3580	2	299.00	A
	SUNFLOWER	4.6350	1	30.00	A
	SWISS CHARD	14.8163	61	131.25	A
	TOMATO	30.2635	33	216.55	A
	TOMATO, PROCESSING	214.0598	23	1,851.42	A
	TURNIP	9.8453	13	55.50	A
	WATERCRESS	1.3374	5	11.00	A
	WATERMELON	134.0112	18	829.60	A
	Chemical Total	3,013.5947	1,810		
<b>BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN ABTS-1857</b>					
	ALFALFA	186.4350	7	308.00	A
	APRICOT	14.0400	8	26.00	A
	ARTICHOKE, GLOBE	95.6880	13	163.20	A
	BEAN, SUCCULENT	504.9000	27	777.00	A
	BEAN, UNSPECIFIED	0.3240	1	0.60	A
	BEET	14.3100	3	28.00	A
	BOK CHOY	40.0410	34	65.08	A
	BROCCOLI	490.6073	123	1,035.12	A
	BRUSSELS SPROUT	2.1600	1	4.00	A
	CABBAGE	350.3790	70	513.85	A
	CANTALOUPE	3,434.6700	38	4,589.00	A
	CARROT	862.7202	11	997.08	A
	CAULIFLOWER	374.7776	108	753.99	A
	CELERY	834.5133	67	1,465.65	A
	CHICORY	110.4300	8	197.00	A
	CHINESE CABBAGE (NAPPA)	86.3460	29	137.70	A
	CITRUS	3.2400	2	24.00	A
	CORN (FORAGE - FODDER)	96.6600	3	179.00	A
	CORN, HUMAN CONSUMPTION	267.0732	51	247.69	A
	CUCUMBER	4.8600	5	9.00	A
	EGGPLANT	5.4000	3	10.00	A
	ENDIVE (ESCAROLE)	4.4820	3	6.50	A
	HERB, SPICE	2.1600	2	12.00	A
	KALE	38.8800	14	73.00	A

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<b>BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN ABTS-1857</b>					
	LETTUCE, HEAD	203.2331	62	312.83	A
	LETTUCE, LEAF	1,998.9032	340	3,199.36	A
	MELON	506.2500	5	675.00	A
	MUSTARD	4.9680	1	4.60	A
	N-GRNHS FLOWER	30.1766	29	40.29	A
	N-GRNHS PLANTS IN CONTAINERS	14.9364	18	20.52	A
	N-GRNHS TRANSPLANTS	2.1924	13	5.06	A
	N-OUTDR FLOWER	87.1263	31	142.32	A
	N-OUTDR PLANTS IN CONTAINERS	118.2870	62	124.49	A
	N-OUTDR TRANSPLANTS	15.9705	14	34.25	A
	ONION, GREEN	6.0480	2	11.15	A
	PARSLEY	278.1000	5	515.00	A
	PEACH	19.9800	13	37.00	A
	PEPPER, FRUITING	1,492.4844	27	1,906.15	A
	POTATO	253.6920	4	385.52	A
	PUBLIC HEALTH	0.5400			
	RADISH	82.3500	23	152.54	A
	RASPBERRY	194.4000	16	192.00	A
	RESEARCH COMMODITY	0.0508			
	SPINACH	170.3106	41	262.39	A
	SQUASH	15.1200	2	28.00	A
	STRAWBERRY	10,045.9800	403	13,425.06	A
	SUGARBEET	378.0000	8	350.00	A
	SWISS CHARD	1.3851	2	3.42	A
	TOMATO	2,180.8319	166	3,425.30	A
	TOMATO, PROCESSING	628.0200	19	1,163.00	A
	TURNIP	5.4000	1	5.00	A
	UNCULTIVATED AG	4.8600	1	15.00	A
	UNKNOWN	4.0500	1	15.00	A
	VEGETABLES, LEAFY	117.4500	17	182.66	A
	WATERMELON	388.7190	9	462.80	A
	Chemical Total	27,074.9119	1,966		
<b>BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN SD-1372, LEPIDOPTERAN ACTIVE TOXIN(S)</b>					
	BASIL, SWEET	16.3660	151	237.22	A
	BEEF	13.2090	133	158.03	A
	BOK CHOY	3.9636	51	50.56	A
	CABBAGE	10.0348	101	122.33	A
	CELERYAC	11.7589	132	520.86	A
	CELERY	7.5857	84	111.76	A
	CHICORY	0.0668	1	1.30	A
	CILANTRO	1.3343	21	15.69	A
	COLLARD	5.1237	56	65.24	A
	DAIKON	3.7578	67	56.75	A
	DANDELION GREEN	0.3421	6	3.81	A
	DILL	1.4785	30	19.34	A
	FENNEL	0.0296	1	0.34	A
	HERB, SPICE	6.2379	27	42.25	A
	KALE	4.0640	103	51.44	A
	KOHLRABI	0.9971	20	15.09	A
	LEEK	3.0842	21	41.01	A
	LETTUCE, LEAF	8.3984	169	151.45	A
	MINT	2.5445	25	38.81	A
	MUSTARD	2.1598	26	28.56	A
	N-GRNHS FLOWER	3.9913	24	31.00	A
		1.1845	4	250,470.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.1758			
	N-GRNHS PLANTS IN CONTAINERS	0.5987	15	28.12	A
	N-GRNHS TRANSPLANTS	0.7272	3	7.00	A
		0.2060	2	80,000.00	S
		0.1133		1.10	T
	TOTAL POUNDS ON THIS COMMODITY	1.0465			
	N-OUTDR PLANTS IN CONTAINERS	2.8840	20	47.00	A
		2.8711	11	1,132,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.7551			
	N-OUTDR TRANSPLANTS	4.9762	51	97.77	A
	PARSLEY	2.3395	20	33.78	A

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<b>BACILLUS THURINGIENSIS, SUBSP. AIZAWAI, STRAIN SD-1372, LEPIDOPTERAN ACTIVE TOXIN(S)</b>					
	RASPBERRY	136.9514	71	780.00	A
	SPINACH	0.7288	19	8.82	A
	STRAWBERRY	70.7095	51	477.50	A
	SWISS CHARD	6.8284	156	77.22	A
	TURNIP	2.9304	57	38.15	A
	WATERMELON	5.9322	20	73.64	A
	Chemical Total	346.5092	1,749		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. ISRAELENIS, SEROTYPE H-14</b>					
	ALFALFA	141.6888	10	555.80	A
	ALMOND	3,474.9213	111	8,137.30	A
	CHERRY	4.6384	2	8.00	A
	HERB, SPICE	3.3799	42	19.51	A
		0.1192	1	0.60	U
	TOTAL POUNDS ON THIS COMMODITY	3.4991			
	LANDSCAPE MAINTENANCE	18.2328			
		0.0400	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	18.2728			
	LETTUCE, HEAD	15.2793	5	5.00	A
	N-GRNHS FLOWER	0.9937	3	1.80	A
		0.8156	5	13,878.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.8093			
	N-GRNHS PLANTS IN CONTAINERS	181.5642	319	154.67	A
		84.0300	124	3,834,065.00	S
		0.4297	2	58,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	266.0239			
	N-GRNHS TRANSPLANTS	65.9479	29	712,200.00	S
		1.6981	99	77.60	A
		0.0083	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	67.6543			
	N-OUTDR FLOWER	6.1117	1	40,000.00	S
		0.0003	2	0.30	A
	TOTAL POUNDS ON THIS COMMODITY	6.1120			
	N-OUTDR PLANTS IN CONTAINERS	9.3703	25	18.03	A
		0.5133	8	370,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.8836			
	N-OUTDR TRANSPLANTS	11.3640	96	10,440,000.00	S
		0.4020	14	11.91	A
	TOTAL POUNDS ON THIS COMMODITY	11.7660			
	NECTARINE	22.4963	5	34.00	A
	ORANGE	370.3304	15	732.00	A
	PEACH	28.7581	6	59.00	A
	PLUM	55.1970	4	67.00	A
	PRUNE	77.6950	4	190.00	A
	PUBLIC HEALTH	8,880.9831			
	REGULATORY PEST CONTROL	0.1833			
		0.0007		200.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.1840			
	RESEARCH COMMODITY	1.5447			
		0.0406	2	0.03	A
	TOTAL POUNDS ON THIS COMMODITY	1.5853			
	RIGHTS OF WAY	18.3522			
	STRUCTURAL PEST CONTROL	1.8704			
	TANGELO	16.8838	1	40.00	A
	WALNUT	221.6045	4	318.50	A
	WATER AREA	8.0000		400.00	A
	Chemical Total	13,725.4889	941		
<b>BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52</b>					
	LANDSCAPE MAINTENANCE	74.6191			
	N-GRNHS FLOWER	4.4880	1	1.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.4200	5	1.50	A
	PUBLIC HEALTH	22,918.5633			
	STRUCTURAL PEST CONTROL	2.7307			
	Chemical Total	23,000.8211	6		



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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, SEROTYPE 3A,3B</b>					
	ALFALFA	0.1116	2	55.00	A
	ALMOND	761.1433	145	9,854.08	A
	APPLE	2.7840	6	29.00	A
	APRICOT	20.8299	21	294.00	A
	ARRUGULA	0.1280	3	1.00	A
	BASIL, SWEET	0.7680	4	7.50	A
	BEAN, SUCCULENT	5.1827	3	40.49	A
	BOK CHOY	1.2040	15	19.50	A
	BOYSENBERRY	0.0320	1	1.00	A
	BROCCOLI	0.0640	1	1.00	A
	CABBAGE	0.1920	1	1.50	A
	CANTALOUPE	15.6800	8	427.00	A
	CELERY	1.0227	3	17.00	A
	CHERRY	2.2687	5	38.00	A
	CHINESE CABBAGE (NAPPA)	0.6323	3	4.25	A
	COLE CROP	0.0672	3	1.05	A
	COLLARD	0.3840	6	6.00	A
	CORN, HUMAN CONSUMPTION	1.7792	7	13.90	A
	COTTON	8.2250	2	235.00	A
	CUCUMBER	3.1526	4	28.31	A
	DILL	0.1920	3	2.50	A
	GRAPE	915.0634	375	19,591.74	A
	GRAPE, WINE	1,401.7115	257	27,398.04	A
	HERB, SPICE	0.3328	2	3.20	A
	KOHLRABI	0.1280	2	3.00	A
	LANDSCAPE MAINTENANCE	4.7028			
	LETTUCE, HEAD	2.1312	1	22.20	A
	LETTUCE, LEAF	7.1994	6	75.97	A
	MELON	0.8000	1	35.00	A
	MINT	0.2560	3	3.00	A
	MUSTARD	0.2400	4	2.75	A
	N-GRNHS FLOWER	7.9006	48	143.03	A
	N-GRNHS PLANTS IN CONTAINERS	2.7132	49	49.88	A
		1.2482	14	441,218.00	S
		0.4840	18	690,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	4.4454			
	N-GRNHS TRANSPLANTS	1.0880	29	47.30	A
	N-OUTDR FLOWER	9.6320	43	259.70	A
	N-OUTDR PLANTS IN CONTAINERS	12.7279	50	151.76	A
		0.1640	3	118,714.00	S
		0.0756	4	53,900.00	U
	TOTAL POUNDS ON THIS COMMODITY	12.9675			
	N-OUTDR TRANSPLANTS	1.3440	33	29.95	A
		0.2560	1	62,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.6000			
	NECTARINE	167.6685	101	2,341.91	A
	ONION, GREEN	0.4000	2	5.00	A
	ORANGE	98.6517	56	1,533.00	A
	PARSLEY	0.2560	3	2.50	A
	PEACH	198.8903	158	2,864.08	A
	PLUM	121.4036	82	1,495.36	A
	POMEGRANATE	1.2800	1	20.00	A
	PRUNE	2.6503	2	60.00	A
	RASPBERRY	4.5888	3	35.85	A
	RESEARCH COMMODITY	0.0960			
	SPINACH	0.7667	5	10.90	A
	SQUASH, SUMMER	0.0640	1	0.50	A
	SQUASH, ZUCCHINI	0.9318	1	7.28	A
	STRAWBERRY	49.9326	58	651.15	A
	STRUCTURAL PEST CONTROL	0.0008			
	SWISS CHARD	0.3840	2	4.00	A
	TANGELO	1.8636	1	27.00	A
	TANGERINE	0.2055	1	3.00	A
	TOMATO	3.3440	4	37.00	A
	TOMATO, PROCESSING	3.2000	1	50.00	A
	WALNUT	24.6584	23	332.00	A

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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, SEROTYPE 3A,3B</b>					
	WATERMELON	38.9602	29	964.44	A
	WHEAT	0.0403	1	101.00	A
	Chemical Total	3,916.2789	1,724		
<b>BACILLUS THURINGIENSIS, VAR. KURSTAKI DELTA ENDOTOXINS CRY 1A(C) AND CRY 1C (GENETICALLY ENGINEERED) ENCAPSULATED IN PSEUDOMONAS FLUORESCENS (KILLED)</b>					
	LANDSCAPE MAINTENANCE	1.6707			
	N-OUTDR FLOWER	0.5248	1	2.00	A
	PEAS	2.6240	1	5.00	A
	Chemical Total	4.8195	2		
<b>BACILLUS THURINGIENSIS VAR. KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7826</b>					
	ALFALFA	170.5500	18	1,137.00	A
	CANTALOUPE	7.5000	1	50.00	A
	CAULIFLOWER	4.5000	1	40.00	A
	CORN (FORAGE - FODDER)	6.0000	1	40.00	A
	COTTON	196.6875	14	1,689.00	A
	STRAWBERRY	9.0000	1	15.00	A
	SUGARBEET	121.0500	7	732.00	A
	SWISS CHARD	0.1500	1	1.00	A
	TOMATO	2.0250	2	13.50	A
	TOMATO, PROCESSING	412.3941	18	2,739.00	A
	Chemical Total	929.8566	64		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG 2348</b>					
	ALMOND	4.4982	1	30.00	A
	CELERY	11.7000	2	50.00	A
	N-GRNHS FLOWER	2.9988	7	3.50	A
	N-OUTDR TRANSPLANTS	1.4244	3	9.50	A
	STRUCTURAL PEST CONTROL	0.0375			
	Chemical Total	20.6589	13		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN EG2371</b>					
	LANDSCAPE MAINTENANCE	1.0000	1	10.00	A
	LETTUCE, HEAD	0.5000	1	5.00	A
	N-GRNHS TRANSPLANTS	0.3750	2	2.50	A
	VEGETABLE	0.0266	1	1.00	A
	Chemical Total	1.9016	5		
<b>BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI STRAIN BMP 123</b>					
	CANTALOUPE	7.4688	5	194.50	A
	MELON	2.8186	2	73.40	A
	Chemical Total	10.2874	7		
<b>BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN ABTS-351, FERMENTATION SOLIDS AND SOLUBLES</b>					
	ALFALFA	649.5067	100	6,448.97	A
	ALMOND	2,590.5839	105	4,930.33	A
	APPLE	261.2250	20	410.30	A
	APRICOT	161.8326	25	258.69	A
	AVOCADO	248.4000	1	230.00	A
	BASIL, SWEET	36.1773	49	99.16	A
	BEAN, DRIED	197.2349	10	623.10	A
	BEAN, SUCCULENT	117.2475	10	165.10	A
	BEET	12.2029	29	30.03	A
	BLACKBERRY	177.6600	32	227.25	A
	BOK CHOY	246.1487	116	366.07	A
	BOYSENBERRY	54.5400	2	52.00	A
	BROCCOLI	451.8558	139	825.26	A
	BRUSSELS SPROUT	6.4800	3	12.00	A
	CABBAGE	78.1657	54	167.06	A
	CANTALOUPE	2,685.6846	58	6,126.80	A
	CARROT	81.2700	4	208.00	A

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<b>BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN ABTS-351, FERMENTATION SOLIDS AND SOLUBLES</b>					
	CAULIFLOWER	238.1616	107	489.48	A
	CELERIAC	14.9510	25	151.68	A
	CELERY	1,068.4391	265	1,396.78	A
	CHERRY	331.6518	32	622.82	A
	CHICORY	16.2000	2	30.00	A
	CHINESE CABBAGE (NAPPA)	180.8730	56	327.50	A
	CHIVE	0.5400	1	1.00	A
	CILANTRO	0.5308	1	1.97	A
	CITRUS	2.7000	1	5.00	A
	COLE CROP	0.5346	3	3.00	A
	COLLARD	6.7748	28	18.46	A
	CORN (FORAGE - FODDER)	192.9825	8	349.50	A
	CORN, HUMAN CONSUMPTION	316.6398	84	339.14	A
	COTTON	979.4214	15	1,934.50	A
	CUCUMBER	5.6700	3	10.60	A
	DAIKON	12.7418	29	26.74	A
	DILL	0.5789	2	2.14	A
	EGGPLANT	17.3475	8	48.10	A
	ENDIVE (ESCAROLE)	60.3990	23	74.00	A
	GAI CHOY	5.4000	2	2.00	A
	GAI LON	28.7550	11	57.50	A
	GRAPE	8,637.9453	468	19,580.15	A
	GRAPE, WINE	3,577.6422	125	7,064.66	A
	GRAPEFRUIT	18.9000	2	29.00	A
	HERB, SPICE	16.2000	19	25.00	A
	KALE	6.4184	43	12.59	A
	KOHLRABI	0.8510	3	2.18	A
	LANDSCAPE MAINTENANCE	266.3162			
	LEEK	1.6556	2	3.93	A
	LEMON	27.8100	2	52.00	A
	LETTUCE, HEAD	767.3414	136	1,058.05	A
	LETTUCE, LEAF	1,493.8606	446	2,564.92	A
	MELON	215.5140	10	395.10	A
	MINT	3.0866	7	9.28	A
	MUSTARD	11.8147	12	24.07	A
	N-GRNHS FLOWER	82.3500	9	132.50	A
		0.2700	1	3,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	82.6200			
	N-GRNHS PLANTS IN CONTAINERS	127.0013	263	14,995,330.00	S
		15.9759	47	39.53	A
	TOTAL POUNDS ON THIS COMMODITY	142.9772			
	N-GRNHS TRANSPLANTS	38.6694	55	121.11	A
		0.5704	4	28,250.00	S
	TOTAL POUNDS ON THIS COMMODITY	39.2398			
	N-OUTDR FLOWER	16.5375	6	33.10	A
		11.4750	21	1,732,028.00	S
	TOTAL POUNDS ON THIS COMMODITY	28.0125			
	N-OUTDR PLANTS IN CONTAINERS	69.6074	32	129.82	A
		17.4488	55	2,739,314.00	S
	TOTAL POUNDS ON THIS COMMODITY	87.0562			
	N-OUTDR TRANSPLANTS	6.7500	5	20.00	A
	NECTARINE	1,834.2180	239	2,798.01	A
	ONION, GREEN	193.4577	48	238.85	A
	ORANGE	2,327.5350	113	4,012.50	A
	PEACH	2,031.9627	335	3,085.37	A
	PEAR	4.8600	3	9.00	A
	PEAS	113.4810	7	142.10	A
	PEPPER, FRUITING	284.8500	27	861.64	A
	PLUM	574.3980	98	958.41	A
	POMEGRANATE	65.8800	10	122.00	A
	PRUNE	746.5986	32	1,426.00	A
	PUMPKIN	35.1000	3	50.00	A
	RASPBERRY	516.5080	43	629.71	A
	REGULATORY PEST CONTROL	0.5738			
	RESEARCH COMMODITY	0.9282			
	SAGE	2.7000	3	6.00	A
	SPINACH	159.0251	32	199.33	A
	SQUASH	146.2725	13	184.00	A

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	SQUASH, SUMMER	4.9410	2	15.00	A
	SQUASH, WINTER	1.0800	1	7.00	A
	STRAWBERRY	3,382.4250	202	5,019.54	A
	STRUCTURAL PEST CONTROL	0.0233			
	SUDANGRASS	46.4400	2	45.00	A
	SUGARBEET	43.2000	1	80.00	A
	SWISS CHARD	10.7141	54	19.60	A
	TANGELO	2.7000	1	5.00	A
	TANGERINE	143.0325	17	625.00	A
	TARRAGON	0.5400	1	1.00	A
	TOMATILLO	3.2400	2	12.00	A
	TOMATO	1,151.5212	72	2,005.97	A
		0.8910	5	48,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,152.4122			
	TOMATO, PROCESSING	1,094.0616	17	2,112.20	A
	TURNIP	1.9510	8	5.97	A
	UNCULTIVATED AG	12.9600	2	17.00	A
	VEGETABLES, LEAFY	7.5600	1	14.00	A
	WALNUT	29.4840	1	35.00	A
	WATERMELON	384.0464	42	843.59	A
	Chemical Total	42,328.6796	4,673		
<b>BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN HD-1</b>					
	ALFALFA	34.2063	31	2,077.80	A
	ALMOND	563.0114	93	4,832.76	A
	APPLE	21.2438	22	181.75	A
	APRICOT	15.9485	16	153.84	A
	ARRUGULA	0.5150	2	4.75	A
	ASPARAGUS	37.8010	4	248.00	A
	BLACKBERRY	5.3560	1	26.00	A
	BOK CHOY	0.5344	11	11.50	A
		0.0644	1	16,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5988			
	BROCCOLI	67.3620	39	485.57	A
	CABBAGE	11.1298	10	34.87	A
	CANTALOUPE	552.9431	40	5,199.40	A
	CARROT	26.3680	3	148.00	A
	CAULIFLOWER	4.0030	8	36.39	A
	CELERY	14.8112	19	119.16	A
	CHERRY	14.2655	12	132.00	A
	CHICORY	0.5150	1	5.00	A
	CHINESE CABBAGE (NAPPA)	39.0885	13	132.00	A
	CHIVE	0.2060	1	1.00	A
	CORN (FORAGE - FODDER)	13.6475	2	145.00	A
	CORN, HUMAN CONSUMPTION	2.6770	2	31.50	A
	COTTON	20.9090	4	203.00	A
	CUCUMBER	2.4720	9	19.25	A
	EGGPLANT	0.5150	1	3.80	A
	ENDIVE (ESCAROLE)	0.5021	1	3.25	A
	GAI CHOY	1.1845	16	19.58	A
	GAI LON	2.2660	9	63.00	A
	GRAPE	1,090.2609	290	12,044.91	A
	GRAPE, WINE	204.7376	28	1,639.27	A
	HERB, SPICE	12.0510	20	324,000.00	S
		2.2011	31	17.95	A
		0.0521	1	0.33	U
	TOTAL POUNDS ON THIS COMMODITY	14.3042			
	KALE	0.0515	1	1.00	A
	KIWI	0.6180	1	6.00	A
	LANDSCAPE MAINTENANCE	27.5877			
	LEEK	3.3269	2	32.25	A
	LETTUCE, HEAD	15.5633	12	151.05	A
	LETTUCE, LEAF	131.6495	64	1,059.05	A
	MINT	0.1996	5	4.00	A
	MIZUNA	0.5150	2	4.75	A
	MUSTARD	6.1961	9	58.50	A

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<b>BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN HD-1</b>					
	N-GRNHS FLOWER	11.8643	33	68.82	A
		4.1200	18	470,340.00	S
	TOTAL POUNDS ON THIS COMMODITY	15.9843			
	N-GRNHS PLANTS IN CONTAINERS	13.4418	93	144.43	A
		6.3384	40	1,032,969.00	S
	TOTAL POUNDS ON THIS COMMODITY	19.7802			
	N-GRNHS TRANSPLANTS	8.9095	39	71.30	A
		2.0076	19	567,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.9171			
	N-OUTDR FLOWER	8.1885	31	1,746,170.00	S
		7.9207	48	88.05	A
	TOTAL POUNDS ON THIS COMMODITY	16.1092			
	N-OUTDR PLANTS IN CONTAINERS	26.7060	78	221.48	A
		6.0564	29	1,342,700.00	S
		0.5794	2	152,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	33.3418			
	N-OUTDR TRANSPLANTS	4.1973	31	56.94	A
		0.0773	1	46,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2746			
	NECTARINE	154.6967	102	1,132.81	A
	ONION, GREEN	0.3296	1	3.15	A
	ORANGE	143.4172	38	1,194.30	A
	PARSLEY	5.1629	1	1.00	A
	PEACH	278.6223	195	2,305.81	A
	PEAR	8.2915	5	80.50	A
	PEAS	7.2100	3	23.50	A
	PEPPER, FRUITING	75.2989	24	819.61	A
	PISTACHIO	0.9270	1	10.00	A
	PLUM	248.4842	111	2,323.87	A
	POTATO	193.2898	16	1,373.64	A
	PRUNE	30.4365	11	257.00	A
	RASPBERRY	0.3090	3	6.00	A
	RESEARCH COMMODITY	0.0579			
	SPINACH	7.1134	14	63.25	A
	STRAWBERRY	129.0300	83	1,106.31	A
	STRUCTURAL PEST CONTROL	0.3637			
	SUGARBEET	4.1200	1	73.00	A
	SUGARBEET (FORAGE - FODDER)	58.5040	9	568.00	A
	SWISS CHARD	0.4120	4	2.00	A
	TOMATO	67.3620	21	357.40	A
	TOMATO, PROCESSING	70.9155	9	690.00	A
	TURNIP	5.3045	5	25.00	A
	UNKNOWN	3.1029	8	24.54	A
	VEGETABLE	6.8835	5	33.83	A
	VEGETABLES, LEAFY	15.8723	18	149.76	A
	WALNUT	73.4390	18	725.08	A
	WATERMELON	104.6583	22	1,085.10	A
Chemical Total		4,742.5781	2,027		
<b>BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7841 LEPIDOPTERAN ACTIVE TOXIN</b>					
	ALFALFA	31.3500	5	256.00	A
	ALMOND	13.8000	2	47.00	A
	CELERIAC	0.7500	1	5.00	A
	CHINESE GREENS	15.0000	20	100.00	A
	CORN (FORAGE - FODDER)	5.2500	2	70.00	A
	CORN, HUMAN CONSUMPTION	18.5000	2	75.00	A
	GRAPE, WINE	20.9365	2	92.91	A
	N-GRNHS FLOWER	21.9125	15	47.50	A
		4.6219	8	232,890.00	S
	TOTAL POUNDS ON THIS COMMODITY	26.5344			
	N-GRNHS PLANTS IN CONTAINERS	0.4913	8	6.55	A
		0.3000	1	50,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.7913			
	N-OUTDR FLOWER	24.1875	26	304.50	A
		0.0750	2	21,780.00	S
	TOTAL POUNDS ON THIS COMMODITY	24.2625			

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<b>BACILLUS THURINGIENSIS SUBSPECIES KURSTAKI, GENETICALLY ENGINEERED STRAIN EG7841 LEPIDOPTERAN ACTIVE TOXIN</b>					
	N-OUTDR PLANTS IN CONTAINERS	5.4938	12	19.71	A
		0.4875	3	141,570.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.9813			
	N-OUTDR TRANSPLANTS	0.3750	4	2.50	A
	PEACH	1.6000	1	16.00	A
	SQUASH	13.5000	3	90.00	A
	TOMATO	2.1000	1	7.00	A
	TOMATO, PROCESSING	96.2550	12	541.70	A
	WALNUT	66.7800	1	74.20	A
	Chemical Total	343.7660	131		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11</b>					
	ALFALFA	139.5210	29	1,870.00	A
	ALMOND	313.6929	63	1,760.87	A
	APPLE	9.9945	8	78.50	A
		0.0563	6	84.00	U
	TOTAL POUNDS ON THIS COMMODITY	10.0508			
	APRICOT	139.0938	10	195.00	A
	ARTICHOKE, GLOBE	63.4768	40	513.80	A
	ASPARAGUS	46.4556	12	523.00	A
	AVOCADO	11.7750	6	126.00	A
	BASIL, SWEET	11.8856	106	249.01	A
	BEAN, DRIED	14.7300	4	180.80	A
	BEAN, SUCCULENT	29.6360	27	320.92	A
	BEAN, UNSPECIFIED	2.4128	2	39.80	A
	BEEF	3.5845	60	62.73	A
	BERMUDAGRASS	210.6965	44	3,674.00	A
	BLACKBERRY	2.1083	4	31.63	A
	BOK CHOY	9.9061	77	114.73	A
	BROCCOLI	151.3338	128	2,264.62	A
	CABBAGE	94.5000	159	1,107.64	A
	CANTALOUPE	447.3234	67	5,237.50	A
	CARDON	2.4308	5	27.22	A
	CARROT	63.2780	22	822.96	A
	CAULIFLOWER	49.1457	119	623.70	A
	CELERIAC	7.1841	107	250.89	A
	CELERY	180.9285	199	1,836.49	A
	CHERRY	87.3590	11	132.04	A
		0.0028	2	4.00	U
	TOTAL POUNDS ON THIS COMMODITY	87.3618			
	CHICORY	3.7285	6	45.60	A
	CHINESE CABBAGE (NAPPA)	29.9383	70	334.45	A
	CHINESE GREENS	5.6250	15	75.00	A
	CHIVE	0.4390	1	10.00	A
	CILANTRO	1.0034	22	19.20	A
	COLLARD	52.7253	58	484.98	A
	CORN (FORAGE - FODDER)	5.5500	2	74.00	A
	CORN, HUMAN CONSUMPTION	278.8052	118	4,457.20	A
	COTTON	35.4375	3	225.00	A
	CUCUMBER	38.6484	13	439.14	A
	DAIKON	1.6223	39	30.65	A
	DANDELION GREEN	0.0280	2	0.52	A
	DILL	6.8052	34	31.90	A
	EGGPLANT	0.1390	2	3.60	A
	ENDIVE (ESCAROLE)	7.6896	26	85.55	A
	FIG	1.6200	1	9.00	A
	GAI LON	2.7980	4	26.00	A
	GRAPE	738.2361	176	5,878.92	A
		0.0075	2	12.00	U
	TOTAL POUNDS ON THIS COMMODITY	738.2436			
	GRAPE, WINE	127.1552	36	877.27	A
	GRAPEFRUIT	7.8012	1	80.00	A
	HERB, SPICE	21.5573	133	223.93	A
	KALE	11.2535	78	133.39	A
	KIWI	0.3600	1	2.00	A
	KOHLRABI	0.5801	11	8.40	A
	LANDSCAPE MAINTENANCE	23.9607			

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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11</b>					
	LEEK	3.5298	14	51.51	A
	LEMON	39.5250	1	62.00	A
	LETTUCE, HEAD	280.3306	193	3,273.44	A
	LETTUCE, LEAF	407.3046	542	3,832.49	A
	MELON	214.7040	51	3,629.10	A
	MINT	2.6224	25	102.67	A
	MUSTARD	53.4482	49	509.93	A
	N-GRNHS FLOWER	7.1176	50	186.68	A
		0.7013	12	333,030.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.8189			
	N-GRNHS PLANTS IN CONTAINERS	4.8828	59	1,955,250.00	S
		2.4056	29	38.50	A
	TOTAL POUNDS ON THIS COMMODITY	7.2884			
	N-GRNHS TRANSPLANTS	12.8353	83	224.92	A
		3.6003	149	1,841,297.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.4356			
	N-OUTDR FLOWER	8.2910	29	168.11	A
		4.9678	48	2,244,628.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.2588			
	N-OUTDR PLANTS IN CONTAINERS	5.9031	25	78.61	A
		3.0544	29	1,303,827.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.9575			
	N-OUTDR TRANSPLANTS	77.1900	3	137.00	A
		2.8352	50	2,079,690.00	S
	TOTAL POUNDS ON THIS COMMODITY	80.0252			
	NECTARINE	20.0170	9	59.47	A
	ONION, DRY	32.8882	10	573.00	A
	ONION, GREEN	0.2325	1	3.10	A
	ORANGE	3,417.7306	246	11,655.84	A
	PARSLEY	2.2863	27	40.47	A
	PEACH	46.7007	32	230.10	A
	PEAR	5.9400	2	66.00	A
		0.1875	7	267.00	U
	TOTAL POUNDS ON THIS COMMODITY	6.1275			
	PEAS	4.1700	2	37.00	A
	PEPPER, FRUITING	115.8158	108	1,440.10	A
	PEPPER, SPICE	4.0875	2	38.00	A
	PERSIMMON	5.6250	4	37.50	A
	PLUM	49.7275	14	242.49	A
		0.0056	2	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	49.7331			
	POTATO	5.6250	2	74.50	A
	PRUNE	6.6100	3	17.00	A
	PUMPKIN	72.0750	18	809.00	A
	RADISH	2.0625	4	27.50	A
	RASPBERRY	149.8681	131	1,749.17	A
	SPINACH	46.6220	72	630.24	A
	SQUASH	18.7515	13	177.60	A
	SQUASH, SUMMER	2.5725	2	34.30	A
	SQUASH, WINTER	11.4750	4	153.00	A
	STRAWBERRY	1,537.2461	541	16,785.39	A
	STRUCTURAL PEST CONTROL	0.0448			
	SUDANGRASS	115.3920	14	863.60	A
	SUGARBEET	191.8035	62	4,248.15	A
	SWEET POTATO	43.3500	1	34.00	A
	SWISS CHARD	10.3176	110	126.66	A
	TANGELO	71.8575	9	193.27	A
	TANGERINE	23.6295	4	59.54	A
	TARRAGON	0.0237	1	1.00	A
	TOMATO	2,164.7740	302	18,941.60	A
		0.3375	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,165.1115			
	TOMATO, PROCESSING	768.9474	105	8,880.25	A
	TURNIP	18.7971	66	191.26	A
	UNKNOWN	0.1408	2	17.00	A
	VEGETABLES, LEAFY	2.3400	3	18.00	A
	WALNUT	39.9774	9	682.00	A

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<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11</b>					
	WATERMELON	906.1293	141	5,689.39	A
	WHEAT	88.8750	8	840.50	A
	Chemical Total	14,636.3341	5,706		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI STRAIN SA-12</b>					
	ALMOND	294.8886	53	2,577.67	A
	APPLE	35.4600	2	98.57	A
	APRICOT	54.9558	8	289.74	A
	CHERRY	86.6160	30	883.50	A
	CITRUS	0.9000	2	10.00	A
	CUCUMBER	35.8200	24	394.00	A
	GRAPE	413.2620	58	3,544.09	A
	GRAPE, WINE	702.5832	57	5,202.12	A
	GRAPEFRUIT	1.6200	2	14.00	A
	LANDSCAPE MAINTENANCE	1.3500			
	LEMON	3.6900	4	40.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.4556	13	2.50	A
	NECTARINE	49.3236	10	210.13	A
	ORANGE	1,454.5080	391	12,473.76	A
	PEACH	89.4672	41	377.01	A
	PEAR	36.5400	6	259.00	A
	PEPPER, FRUITING	0.0338	1	1.00	A
	PISTACHIO	0.7200	4	12.00	A
	PLUM	129.7512	58	1,122.20	A
	POMEGRANATE	9.9000	6	65.00	A
	PRUNE	80.2350	10	654.00	A
	TANGELO	14.3100	9	164.00	A
	TANGERINE	0.4500	1	5.00	A
	WALNUT	13.3650	5	85.50	A
	Chemical Total	3,510.2050	795		
<b>BACILLUS THURINGIENSIS (BERLINER), SUBSP. SAN DIEGO</b>					
	LANDSCAPE MAINTENANCE	0.7840			
	N-GRNHS FLOWER	0.4735	2	55,000.00	S
	Chemical Total	1.2575	2		
<b>BANDANE</b>					
	LANDSCAPE MAINTENANCE	0.0090			
	Chemical Total	0.0090			
<b>BEAUVERIA BASSIANA STRAIN GHA</b>					
	ARTICHOKE, GLOBE	3.0543	2	14.00	A
	BROCCOLI	2.8799	5	25.22	A
	BRUSSELS SPROUT	42.9781	23	204.00	A
	CUCUMBER	0.6566	2	3.00	A
	ENDIVE (ESCAROLE)	31.6679	23	74.20	A
	LEMON	0.2189	4	11.00	A
	LETTUCE, HEAD	19.6548	33	249.80	A
	LETTUCE, LEAF	162.3551	142	1,680.95	A
	N-GRNHS FLOWER	353.4415	441	1,026.98	A
		0.0088	1	100.00	S
	TOTAL POUNDS ON THIS COMMODITY	353.4503			
	N-GRNHS PLANTS IN CONTAINERS	66.2063	78	188.69	A
		17.4747	39	1,861,756.00	S
	TOTAL POUNDS ON THIS COMMODITY	83.6810			
	N-GRNHS TRANSPLANTS	0.6839	6	3.25	A
	N-OUTDR FLOWER	14.5162	78	63.42	A
		1.6471	2	108,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.1633			
	N-OUTDR PLANTS IN CONTAINERS	124.3265	48	264.37	A
		0.8004	3	74,486.00	S
	TOTAL POUNDS ON THIS COMMODITY	125.1269			
	N-OUTDR TRANSPLANTS	2.9052	15	11.71	A
	PEPPER, FRUITING	2.4308	6	30.93	A



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<b>BEAUVERIA BASSIANA STRAIN GH</b>					
	RESEARCH COMMODITY	2.9591	14	2.72	A
		1.6445			
	TOTAL POUNDS ON THIS COMMODITY	4.6036			
	SPINACH	5.2067	10	94.27	A
	TOMATO	5.4954	9	13.00	A
	VEGETABLE	0.1223	6	10.05	A
	Chemical Total	863.3350	990		
<b>BENDIOCARB</b>					
	LANDSCAPE MAINTENANCE	6.9844			
	N-OUTDR PLANTS IN CONTAINERS	0.4750	1	0.09	A
	RIGHTS OF WAY	0.3800			
	STRUCTURAL PEST CONTROL	1.0931			
	Chemical Total	8.9325	1		
<b>BENEFIN</b>					
	ALFALFA	2,507.8560	36	2,421.08	A
	GRAPE	0.0225	1	18.00	A
	LANDSCAPE MAINTENANCE	727.4172			
	LETTUCE, HEAD	11,859.1572	294	12,892.43	A
	LETTUCE, LEAF	2,451.4920	161	2,458.09	A
	N-GRNHS PLANTS IN CONTAINERS	15.9809	5	7.50	A
	N-OUTDR FLOWER	0.9000	2	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	105.5500	109	75.09	A
		3.4400	4	750.00	U
		0.8200	1	12,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	109.8100			
	RESEARCH COMMODITY	3.1200			
	RIGHTS OF WAY	21.7682			
	STRUCTURAL PEST CONTROL	0.1719			
	VERTEBRATE CONTROL	0.2000			
	Chemical Total	17,697.8959	613		
<b>BENOMYL</b>					
	ALMOND	7.2500	3	20.25	A
	APPLE	3.0000	1	18.00	A
	APRICOT	0.7500	1	1.00	A
	BOK CHOY	10.8000	41	43.20	A
	BROCCOLI	99.6900	18	208.90	A
		1.4242		5,564.91	P
	TOTAL POUNDS ON THIS COMMODITY	101.1142			
	BRUSSELS SPROUT	90.0000	11	151.00	A
		0.1656		152.98	K
	TOTAL POUNDS ON THIS COMMODITY	90.1656			
	CABBAGE	12.3216		3,047.79	K
		0.6103		246.85	P
	TOTAL POUNDS ON THIS COMMODITY	12.9319			
	CARROT	94.0000	3	188.00	A
	CAULIFLOWER	4.8678		4,700.61	P
	CELERY	134.4013	73	441.12	A
	CHINESE CABBAGE (NAPPA)	0.8000	2	3.20	A
	GRAPE	177.0000	21	360.00	A
	GRAPE, WINE	248.2563	69	887.06	A
	LANDSCAPE MAINTENANCE	3.6407			
	MUSHROOM	480.1204	451	3,476,670.71	S
		0.5000	1	67.00	A
	TOTAL POUNDS ON THIS COMMODITY	480.6204			
	N-GRNHS FLOWER	1.1250	1	0.50	A
	N-GRNHS PLANTS IN CONTAINERS	3.7375	5	7.31	A
		1.9000	1	1,052.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.6375			
	N-GRNHS TRANSPLANTS	4.7250	20	19.94	A
	N-OUTDR FLOWER	16.8282	12	35.81	A

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<b>BENOMYL</b>					
	N-OUTDR PLANTS IN CONTAINERS	3.8750	4	7.50	A
		0.5000	1	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.3750			
	N-OUTDR TRANSPLANTS	26.5000	3	2,493.00	U
		17.3250	29	3,240,000.00	S
		11.2051	26	34.21	A
	TOTAL POUNDS ON THIS COMMODITY	55.0301			
	NECTARINE	5.0000	1	10.00	A
	ORANGE	26.6550	4	26.50	A
	PEACH	103.5875	10	121.25	A
	PISTACHIO	181.2000	6	196.19	A
	PLUM	27.5000	4	60.00	A
	REGULATORY PEST CONTROL	0.0053			
	RESEARCH COMMODITY	0.5244			
	STRAWBERRY	357.7750	26	715.55	A
	SUGARBEET	0.2657	1	11.50	A
	WATERMELON	49.0220	7	193.39	A
	Chemical Total	2,208.8539	856		
<b>BENSULFURON METHYL</b>					
	LANDSCAPE MAINTENANCE	28.8000			
	RESEARCH COMMODITY	0.3938			
	RICE	1,697.3662	465	33,820.23	A
	Chemical Total	1,726.5600	465		
<b>BENSULIDE</b>					
	ARRUGULA	723.7358	69	153.10	A
	BEET	43.4268	1	7.30	A
	BOK CHOY	1,420.6497	206	325.23	A
	BROCCOLI	27,566.4042	418	8,718.09	A
		0.0017	2	24.50	S
	TOTAL POUNDS ON THIS COMMODITY	27,566.4059			
	BRUSSELS SPROUT	233.7112	9	117.56	A
	CABBAGE	3,321.4036	184	749.78	A
	CANOLA (RAPE)	475.9096	6	120.00	A
	CANTALOUPE	10,827.5627	111	4,486.70	A
	CARDOON	148.8656	11	33.54	A
	CAULIFLOWER	1,056.4400	32	468.95	A
	CELERY	519.6336	15	93.40	A
	CHICORY	643.4825	51	278.30	A
	CHINESE CABBAGE (NAPPA)	7,165.8209	187	1,375.99	A
	CHINESE GREENS	2,261.9983	84	395.68	A
	CILANTRO	3,250.6937	233	805.24	A
	COLLARD	1,343.2591	93	274.90	A
	COTTON	25.2827	1	78.00	A
	CUCUMBER	913.6893	43	217.85	A
	DANDELION GREEN	114.5813	25	19.24	A
	EGGPLANT	54.2339	2	9.14	A
	ENDIVE (ESCAROLE)	1,741.8890	166	568.96	A
	FENNEL	910.7651	40	172.01	A
	GAI LON	1,945.7764	36	354.00	A
	GRAPE, WINE	1.0425	1	34.50	A
	KALE	1,073.1598	86	246.89	A
	KOHLRABI	160.8664	51	45.42	A
	LANDSCAPE MAINTENANCE	3,419.5705			
		20.8147	4	75.24	A
	TOTAL POUNDS ON THIS COMMODITY	3,440.3852			
	LETTUCE, HEAD	49,529.9960	853	15,970.15	A
	LETTUCE, LEAF	74,858.3255	2,271	21,518.62	A
	MELON	4,517.1256	70	2,672.10	A
	MIZUNA	498.9866	45	100.25	A
	MUSTARD	16,871.0073	622	3,334.62	A
	N-GRNHS FLOWER	0.4957		4.00	A
	N-OUTDR FLOWER	115.6064	8	23.10	A
	ONION, DRY	11,947.4324	73	4,557.00	A
	ONION, GREEN	4.1655	1	12.00	A

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>BENSULIDE</b>					
	PARSLEY	379.1017	21	70.70	A
	PEAS	301.4094	5	76.00	A
	PEPPER, FRUITING	2,549.3716	47	612.84	A
	PEPPER, SPICE	61.9873	2	19.50	A
	PUMPKIN	216.6399	8	43.00	A
	RAPPINI	341.1089	49	88.15	A
	RESEARCH COMMODITY	23.7955			
		5.9489		1.50	A
	TOTAL POUNDS ON THIS COMMODITY	29.7444			
	RIGHTS OF WAY	29.3913			
	SPINACH	250.0695	21	82.77	A
	SQUASH	317.2731	18	122.00	A
	SQUASH, SUMMER	449.6774	13	114.47	A
	STRUCTURAL PEST CONTROL	42.5456			
	SWISS CHARD	1.9830	3	0.50	A
	TURF/SOD	55.5657		6.00	A
	UNKNOWN	184.0184	7	60.90	A
	VEGETABLES, LEAFY	754.7139	47	168.30	A
	WATERMELON	1,121.8205	23	356.00	A
	Chemical Total	236,814.2332	6,374		
<b>BENTAZON, SODIUM SALT</b>					
	BEAN, DRIED	340.2516	6	335.00	A
	BEAN, SUCCULENT	290.2413	12	209.00	A
	BEAN, UNSPECIFIED	45.9542	13	71.00	A
	LANDSCAPE MAINTENANCE	2.2973			
	MINT	648.4946	17	623.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.5184	1	0.25	A
	PEAS	40.7189	10	40.50	A
	RIGHTS OF WAY	1.4056			
	Chemical Total	1,369.8819	59		
<b>BENTONITE</b>					
	APPLE	4.8000	2	8.00	A
	AVOCADO	40.5000	4	56.50	A
	BROCCOLI	24.7620	4	110.00	A
	CAULIFLOWER	16.3620	2	72.70	A
	CHERRY	116.4000	4	82.00	A
	CITRUS	282.7260	22	306.50	A
	GRAPE	92.4000	12	304.00	A
	GRAPE, WINE	242.9850	28	815.70	A
	GRAPEFRUIT	310.3560	26	332.80	A
	LEMON	6,050.0040	174	4,267.79	A
	NECTARINE	94.3200	12	229.00	A
	OLIVE	3,209.7900	67	1,735.00	A
	ORANGE	40,858.5567	1,416	34,800.91	A
	PEACH	36.0000	3	60.00	A
	PLUM	39.9000	5	51.00	A
	STRAWBERRY	69.3000	9	108.00	A
	TANGELO	2,144.8860	70	1,672.00	A
	TANGERINE	316.6920	26	299.40	A
	Chemical Total	53,950.7397	1,886		
<b>BENZOIC ACID</b>					
	ALFALFA	138.8502	442	25,549.00	A
	ALMOND	190.6022	340	18,600.22	A
	APPLE	2.0929	6	273.00	A
	APRICOT	0.0048	4	84.00	A
	ARTICHOKE, GLOBE	59.5155	149	4,674.15	A
	ASPARAGUS	22.9012	38	1,288.70	A
	AVOCADO	0.6075	9	74.50	A
	BARLEY	19.7469	44	2,602.20	A
	BARLEY (FORAGE - FODDER)	2.0235	11	372.00	A
	BEAN, DRIED	9.8942	14	1,089.60	A
	BEAN, SUCCULENT	3.2722	36	507.48	A

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<b>BENZOIC ACID</b>					
	BERMUDAGRASS	0.3121	1	46.00	A
	BOK CHOY	0.0726	1	10.00	A
	BROCCOLI	29.1259	143	2,594.22	A
		0.0179	5	229,230.00	S
	TOTAL POUNDS ON THIS COMMODITY	29.1438			
	CANTALOUPE	2.7941	2	154.00	A
	CARDOON	0.2627	6	18.34	A
	CARROT	18.9399	89	3,010.36	A
	CAULIFLOWER	20.2682	161	2,316.24	A
	CELERY	8.3793	77	665.70	A
	CHERRY	3.5074	21	336.50	A
	CHINESE CABBAGE (NAPPA)	0.2903	2	40.00	A
	CLOVER	0.4351	3	93.00	A
	CORN (FORAGE - FODDER)	129.6913	206	11,356.28	A
	CORN, HUMAN CONSUMPTION	23.6618	206	5,478.82	A
	COTTON	492.7202	740	61,017.21	A
	EGGPLANT	0.1640	1	9.00	A
	ENDIVE (ESCAROLE)	0.2349	25	39.70	A
	FENNEL	2.1989	24	146.60	A
	FORAGE HAY/SILAGE	3.9128	16	454.46	A
	GARLIC	5.3225	14	1,130.60	A
	GRAIN	0.2627	6	46.00	A
	GRAPE	12.4756	90	1,816.98	A
	GRAPE, WINE	53.9904	212	6,637.17	A
	GRAPEFRUIT	21.0912	88	912.56	A
	GRASS, SEED	0.4528	4	81.60	A
	KALE	0.0174	1	2.00	A
	LANDSCAPE MAINTENANCE	16.4534			
	LEMON	1.5568	6	178.03	A
	LETTUCE, HEAD	3.9727	27	334.12	A
	LETTUCE, LEAF	10.9971	113	1,258.54	A
	MELON	0.0980	1	2.70	A
	N-OUTDR FLOWER	0.1467	1	21.20	A
	N-OUTDR PLANTS IN CONTAINERS	0.4037	3	89.00	A
	N-OUTDR TRANSPLANTS	0.1967	2	40.01	A
		0.0672	25	1,396,809.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.2639			
	NECTARINE	0.0027	7	96.74	A
	OAT	8.6345	47	1,458.30	A
	OAT (FORAGE - FODDER)	16.8784	76	3,100.07	A
	ONION, DRY	3.2696	25	663.80	A
	ORANGE	157.6304	341	8,268.15	A
	ORCHARD FLOOR	0.0544	1	6.00	A
	PARSLEY	0.4006	9	23.50	A
	PASTURELAND	1.7836	6	311.00	A
	PEACH	0.0014	8	138.80	A
	PEAR	6.7226	20	859.30	A
	PEAS	0.9638	16	182.20	A
	PEPPER, FRUITING	2.4753	11	144.00	A
	PEPPER, SPICE	3.2041	16	264.10	A
	PISTACHIO	6.1369	2	571.20	A
	PLUM	0.0005	2	8.00	A
	POTATO	6.2391	13	689.35	A
	PRUNE	0.9667	1	111.00	A
	PUBLIC HEALTH	80.5168			
	PUMPKIN	0.7257	1	100.00	A
	RANGELAND	5.1745	8	737.00	A
	RAPPINI	9.9471	74	1,739.36	A
	REGULATORY PEST CONTROL	0.0359			
	RICE	167.5295	526	27,747.21	A
	RIGHTS OF WAY	122.1707			
		0.1995	3	55.50	A
	TOTAL POUNDS ON THIS COMMODITY	122.3702			
	RYE	1.0915	5	141.10	A
	RYEGRASS	4.3638	15	719.70	A
	SAFFLOWER	56.8628	36	6,660.30	A
	SOIL FUMIGATION/PREPLANT	110.1781	114	6,275.62	A

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<b>BENZOIC ACID</b>					
	SORGHUM (FORAGE - FODDER)	1.5190	3	335.00	A
	SORGHUM/MILO	2.5074	8	400.00	A
	SOYBEAN	0.7794	1	86.00	A
	SPINACH	14.2440	150	1,179.97	A
	SQUASH, SUMMER	0.1640	1	9.00	A
	STRUCTURAL PEST CONTROL	0.5530			
	SUDANGRASS	0.0464	1	13.80	A
	SUGARBEET	7.3503	12	825.00	A
	SUNFLOWER	12.5315	34	3,026.00	A
	TANGELO	15.5209	27	790.35	A
	TANGERINE	1.5062	10	70.70	A
	TOMATO	10.8549	10	688.45	A
	TOMATO, PROCESSING	16.8637	42	2,340.00	A
	UNCULTIVATED AG	102.3970	329	10,810.35	A
		1.0478	2	80.00	U
	TOTAL POUNDS ON THIS COMMODITY	103.4448			
	UNCULTIVATED NON-AG	2.9937	4	126.00	A
	WALNUT	8.6824	21	798.30	A
	WATER AREA	0.2631		9.32	A
	WATERMELON	0.8426	7	44.29	A
	WHEAT	174.2854	387	25,754.39	A
	WHEAT (FORAGE - FODDER)	20.4106	82	4,857.07	A
	Chemical Total	2,483.5292	5,929		
<b>N6-BENZYL ADENINE</b>					
	APPLE	25.3125	42	958.00	A
	CHERRY	0.1170	3	36.00	A
	N-GRNHS FLOWER	0.2223		7.60	A
	N-GRNHS PLANTS IN CONTAINERS	2.4993	59	17.33	A
		1.3922	58	933,296.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.8915			
	N-OUTDR FLOWER	3.2805		109.00	A
		0.1209		4.20	P
		0.0061	1	4,149.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.4075			
	N-OUTDR PLANTS IN CONTAINERS	0.4742	6	805,000.00	U
		0.3157	18	304,091.00	S
		0.2691	7	0.91	A
	TOTAL POUNDS ON THIS COMMODITY	1.0590			
	PISTACHIO	137.5765	38	3,387.00	A
	PUBLIC HEALTH	2.4833			
	STRUCTURAL PEST CONTROL	0.0726			
	Chemical Total	174.1422	232		
<b>ORTHO-BENZYL-PARA-CHLOROPHENOL</b>					
	ANIMAL PREMISE	1,858.7456		352.00	U
		497.8258	1	228.00	A
		88.1220		1,470,861.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,444.6934			
	FUMIGATION, OTHER	9.5036			
	HOUSEHOLD	10.8630		8.00	U
	LANDSCAPE MAINTENANCE	11,162.5133			
	N-GRNHS FLOWER	0.0307	5	4.95	A
	POULTRY	39.9566		110.00	U
		0.5092		10.00	A
	TOTAL POUNDS ON THIS COMMODITY	40.4658			
	RIGHTS OF WAY	4.2783			
	STRUCTURAL PEST CONTROL	97.8413			
	VERTEBRATE CONTROL	3.7435			
	Chemical Total	13,773.9329	6		

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<b>ORTHO-BENZYL-PARA-CHLOROPHENOL, POTASSIUM SALT</b>					
	FUMIGATION, OTHER	5.8638			
	LANDSCAPE MAINTENANCE	2.9319			
	STRUCTURAL PEST CONTROL	8.7958			
	Chemical Total	17.5915			
<b>ORTHO-BENZYL-PARA-CHLOROPHENOL, SODIUM SALT</b>					
	ANIMAL PREMISE	3.3732		3.00	U
	FUMIGATION, OTHER	9.2764			
	LANDSCAPE MAINTENANCE	1.2650			
	STRUCTURAL PEST CONTROL	0.8433			
	Chemical Total	14.7579			
<b>BENZYLDIETHYL [(2,6-XYLYLCARBAMOYL)METHYL] AMMONIUM SACCHARIDE</b>					
	LANDSCAPE MAINTENANCE	0.0118			
	STRUCTURAL PEST CONTROL	0.0099			
	Chemical Total	0.0217			
<b>BIFENAZATE</b>					
	ALMOND	6,760.1827	279	15,971.67	A
	APPLE	698.0150	43	1,529.15	A
	APRICOT	34.2500	6	92.00	A
	CHERRY	18.0000	3	41.00	A
	CHRISTMAS TREE	1.9640	3	7.50	A
	COTTON	7.5200	1	10.00	A
	CUCUMBER	28.8750	5	58.00	A
	EGGPLANT	73.0000	10	148.00	A
	GRAPE	18,631.2502	1,046	39,786.92	A
	GRAPE, WINE	15,348.0490	930	36,032.42	A
	GRAPEFRUIT	5.0000	1	10.00	A
	LANDSCAPE MAINTENANCE	29.6909			
	MINT	121.5100	8	260.00	A
	N-GRNHS FLOWER	339.7230	417	720.08	A
		127.7011	131	5,685,731.00	S
	TOTAL POUNDS ON THIS COMMODITY	467.4241			
	N-GRNHS PLANTS IN CONTAINERS	157.2066	340	500.55	A
		32.3077	226	10,047,778.00	S
	TOTAL POUNDS ON THIS COMMODITY	189.5143			
	N-GRNHS TRANSPLANTS	2.3339	25	13.20	A
		1.6692	6	169,380.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.0031			
	N-OUTDR FLOWER	73.4171	124	328.87	A
		2.0938	5	141,740.00	S
		0.8750	3	140.00	U
	TOTAL POUNDS ON THIS COMMODITY	76.3859			
	N-OUTDR PLANTS IN CONTAINERS	273.3303	304	1,297.47	A
		7.5846	51	2,010,752.00	S
	TOTAL POUNDS ON THIS COMMODITY	280.9149			
	N-OUTDR TRANSPLANTS	88.3232	54	281.69	A
		1.0000	1	48,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	89.3232			
	NECTARINE	1,133.5828	184	2,557.47	A
	PEACH	3,126.6922	443	7,411.84	A
	PEAR	419.2288	56	1,110.05	A
	PEPPER, FRUITING	225.3750	13	517.00	A
	PLUM	1,206.1550	133	2,675.41	A
	PRUNE	196.0250	12	498.00	A
	PUMPKIN	74.5000	5	149.00	A
	RESEARCH COMMODITY	9.2946			
		0.3594	3	0.50	A
		0.0625	1	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.7165			
	SQUASH, SUMMER	10.0000	1	20.00	A
	STRAWBERRY	10,167.4750	921	21,269.75	A
	TOMATO	6.9940	5	31.50	A
	VERTEBRATE CONTROL	20.5000			

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<b>BIFENAZATE</b>					
	WALNUT	794.0625	61	1,812.50	A
		0.0500	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	794.1125			
	WATERMELON	338.5000	13	677.00	A
	Chemical Total	60,593.7291	5,874		
<b>BIFENOX</b>					
	N-OUTDR FLOWER	0.4998	1	6.00	A
	Chemical Total	0.4998	1		
<b>BIFENTHRIN</b>					
	ALFALFA	804.6264	109	8,175.50	A
	ARTICHOKE, GLOBE	134.4458	59	1,865.20	A
	BEAN, DRIED	88.1913	12	934.00	A
	BEAN, SUCCULENT	79.0667	19	953.00	A
	BROCCOLI	379.5955	57	4,038.30	A
	CABBAGE	9.7726	6	130.00	A
	CANTALOUPE	808.3120	195	10,373.16	A
	CARROT	116.5445	77	1,218.20	A
	CAULIFLOWER	86.6891	14	1,017.85	A
	CHICORY	0.7747	1	10.00	A
	CHINESE CABBAGE (NAPPA)	1.8621	1	24.00	A
	CLOVER	151.7622	38	1,593.30	A
	CORN (FORAGE - FODDER)	5,367.0572	1,335	60,488.12	A
	CORN, HUMAN CONSUMPTION	316.6123	148	3,242.70	A
	COTTON	2,780.2608	573	35,247.32	A
	CUCUMBER	284.7077	82	3,044.81	A
	FOOD PROCESSING PLANT	3.1530		177,600.00	S
	INDUSTRIAL SITE	0.2211		22,600.00	S
	LANDSCAPE MAINTENANCE	2,867.1609			
		0.0803	1	33.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,867.2412			
	LETTUCE, HEAD	36.5706	21	456.95	A
	MELON	1,174.7684	266	15,980.60	A
	N-GRNHS FLOWER	14.3676	110	1,179.31	A
		5.2729	28	1,262,549.00	S
		0.0105		3,820.00	U
	TOTAL POUNDS ON THIS COMMODITY	19.6510			
	N-GRNHS PLANTS IN CONTAINERS	55.4863	445	730.01	A
		37.0936	202	5,235,589.95	S
	TOTAL POUNDS ON THIS COMMODITY	92.5799			
	N-GRNHS TRANSPLANTS	5.3436	73	80.97	A
		2.7021	32	611,300.00	S
		0.0106			
	TOTAL POUNDS ON THIS COMMODITY	8.0563			
	N-OUTDR FLOWER	11.8985	54	170.90	A
		1.7595	14	487,920.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.6580			
	N-OUTDR PLANTS IN CONTAINERS	630.1526	2,359	4,374.40	A
		42.8949	198	4,490,829.76	S
		2.2939	304	18,913.93	U
	TOTAL POUNDS ON THIS COMMODITY	675.3414			
	N-OUTDR TRANSPLANTS	23.5235	189	535.10	A
		0.2106	2	66,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	23.7341			
	PEPPER, FRUITING	32.5255	17	480.00	A
	PEPPER, SPICE	0.1862	1	3.00	A
	PUBLIC HEALTH	5.3016			
	PUMPKIN	316.3853	86	3,327.80	A
	RASPBERRY	1.5000	2	15.00	A
	REGULATORY PEST CONTROL	48.4369			
		4.8720		1,232.00	C
		0.1000		0.50	A
	TOTAL POUNDS ON THIS COMMODITY	53.4089			

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<b>BIFENTHRIN</b>					
	RESEARCH COMMODITY	3.5066			
		2.4829	1	25.00	A
	TOTAL POUNDS ON THIS COMMODITY	5.9895			
	RIGHTS OF WAY	345.7365			
	SOIL FUMIGATION/PREPLANT	1,467.2614		5,281,306.08	C
		216.5410		936,942.08	S
		6.7000		18,225.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,690.5024			
	SQUASH	193.1097	95	2,087.75	A
	SQUASH, SUMMER	2.5015	3	26.00	A
	SQUASH, WINTER	26.0353	13	287.00	A
	SQUASH, ZUCCHINI	11.4860	3	144.00	A
	STRAWBERRY	1,411.6917	604	13,468.66	A
	STRUCTURAL PEST CONTROL	40,952.3015			
	UNCULTIVATED AG	12.1164	2	54.00	A
	VERTEBRATE CONTROL	26.9191			
	WATERMELON	464.5055	152	5,438.92	A
	WHEAT	3.9726	1	40.00	A
	WHEAT (FORAGE - FODDER)	0.4171	1	5.20	A
	Chemical Total	61,881.8482	8,005		
<b>S-BIOALLETHRIN</b>					
	STRUCTURAL PEST CONTROL	0.0070			
	Chemical Total	0.0070			
<b>BIS BUTENYLENE TETRAHYDRO FURFURAL</b>					
	STRUCTURAL PEST CONTROL	0.0041			
	Chemical Total	0.0041			
<b>N,N-BIS- (2-OMEGA-HYDROXPOLY(OXYETHYLENE)ETHYL)ALKYLAMINE, ALKYL DERIVED FROM TALLOW FATTY ACIDS</b>					
	ALFALFA	956.7008	336	15,388.82	A
	ALMOND	8,077.7559	1,346	89,947.57	A
		2.2793		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	8,080.0352			
	APPLE	140.4824	68	1,741.18	A
	APRICOT	654.8359	64	4,890.00	A
	ARTICHOKE, GLOBE	666.9765	184	7,794.20	A
	ASPARAGUS	8.0347	2	95.50	A
	BARLEY	1.8127	1	137.00	A
	BASIL, SWEET	1.4317	3	67.00	A
	BEAN, DRIED	217.3205	85	5,540.00	A
	BEAN, SUCCULENT	39.2920	23	1,243.50	A
	BEAN, UNSPECIFIED	11.3967	1	40.00	A
	BERMUDAGRASS	28.3103	9	585.00	A
	BLACKBERRY	0.1103	2	5.00	A
	BOK CHOY	1.0143	4	38.15	A
	BROCCOLI	15.6212	32	728.95	A
	CABBAGE	1.2732	5	36.80	A
	CANTALOUPE	21.6210	11	728.10	A
	CARDON	1.1860	7	22.20	A
	CARROT	770.8009	157	9,024.61	A
	CAULIFLOWER	1.6922	5	23.20	A
	CELERY	22.4361	71	442.44	A
	CHERRY	902.5099	409	9,231.90	A
	CHESTNUT	1.3356	4	22.00	A
	CITRUS	4.4219	2	14.00	A
	CLOVER	0.3561	1	20.00	A
	COLLARD	3.4190	2	60.00	A
	CORN (FORAGE - FODDER)	287.8536	137	9,681.00	A
	CORN, HUMAN CONSUMPTION	103.4552	89	782.34	A
	COTTON	3,869.1073	774	61,650.75	A
	CUCUMBER	7.5419	4	172.40	A
	EGGPLANT	4.6157	2	48.00	A
	ENDIVE (ESCAROLE)	0.2761	2	12.50	A
	FENNEL	1.2501	5	23.40	A



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<b>N,N-BIS- (2-OMEGA-HYDROXYPOLY(OXYETHYLENE)ETHYL)ALKYLAMINE, ALKYL DERIVED FROM TALLOW FATTY ACIDS</b>					
	FORAGE HAY/SILAGE	16.1935	2	102.00	A
	FOREST, TIMBERLAND	51.9547	147	4,779.60	A
	GARLIC	71.2004	18	1,945.53	A
	GRAPE	1,699.1507	549	26,598.68	A
	GRAPE, WINE	1,173.9677	560	27,798.58	A
	GRAPEFRUIT	10.8610	3	25.00	A
	LANDSCAPE MAINTENANCE	0.9460			
	LEMON	55.3637	12	169.80	A
	LETTUCE, HEAD	990.9608	875	22,198.65	A
	LETTUCE, LEAF	111.3375	161	2,330.59	A
	MELON	9.8425	6	477.00	A
	MUSTARD	0.0014	1	0.20	A
	N-GRNHS FLOWER	0.2867	5	320,000.00	S
	N-OUTDR FLOWER	0.0267	8	12.90	A
	N-OUTDR PLANTS IN CONTAINERS	8.6330	30	96.70	A
	N-OUTDR TRANSPLANTS	0.2281	12	22.50	A
	NECTARINE	2.8314	6	37.50	A
	OAT	7.9891	1	74.80	A
	OILSEED	4.4447	6	52.00	A
	OLIVE	33.9954	14	474.50	A
	ONION, DRY	72.3800	58	1,879.07	A
	ORANGE	3,693.5608	708	18,935.93	A
	PARSLEY	4.4561	1	100.00	A
	PASTURELAND	0.0345	1	4.00	A
	PEACH	739.2535	211	7,738.10	A
	PEAR	332.8183	137	6,011.00	A
	PEPPER, FRUITING	55.3719	43	1,077.13	A
	PISTACHIO	8,242.7921	799	106,553.37	A
	PLUM	7.0478	2	84.00	A
	POMEGRANATE	528.4818	62	13,641.26	A
	POTATO	76.6641	18	1,366.30	A
	PRUNE	6.5770	6	1,532.00	A
	PUMPKIN	1.3220	2	29.00	A
	RANGELAND	0.0662	1	3.00	A
	RAPPINI	0.6624	2	12.40	A
	RASPBERRY	1.1633	7	62.00	A
	RESEARCH COMMODITY	0.0034			
	RICE	1,003.2986	240	18,419.54	A
	RIGHTS OF WAY	226.8692			
	RYEGRASS	2.9110	3	112.00	A
	SAFFLOWER	27.0116	10	552.00	A
	SOIL FUMIGATION/PREPLANT	1.3676	1	24.00	A
	SPINACH	24.3182	68	512.70	A
	SQUASH	5.2473	5	105.40	A
	STRAWBERRY	198.5068	42	2,233.00	A
	STRUCTURAL PEST CONTROL	2.6711			
	SUGARBEET	60.3747	27	1,832.65	A
	SUNFLOWER	3.3493	3	222.00	A
	TANGELO	134.3613	59	1,399.90	A
	TANGERINE	3.4190	1	8.00	A
	TOMATILLO	0.4630	1	13.00	A
	TOMATO	218.3159	212	6,797.65	A
	TOMATO, PROCESSING	728.6635	139	11,089.30	A
	TURF/SOD	10.4213	17	493.61	A
	UNCULTIVATED AG	198.8846	104	2,899.00	A
	UNCULTIVATED NON-AG	67.5426	1	487.93	A
	WALNUT	464.0885	110	4,473.35	A
	WATER AREA	0.0882		5.00	A
	WATERMELON	184.7186	105	2,744.06	A
	WHEAT	265.7749	56	4,112.10	A
	WHEAT (FORAGE - FODDER)	32.9311	10	408.00	A
Chemical Total		38,706.9951	9,535		

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<b>N,N-BIS- (2- (OMEGA-HYDROXPOLY (OXYETHYLENE) /POLY (OXYPROPYLENE) )ETHYL)ALKYL (C8-C18) AMINE</b>					
	ALFALFA	142.5072	9	361.50	A
	ALMOND	484.7172	21	499.25	A
	BEAN, DRIED	15.1839	1	40.00	A
	CHERRY	6,450.3587	24	477.20	A
	CORN (FORAGE - FODDER)	61.8627	6	388.00	A
	COTTON	1,591.0463	76	3,673.35	A
	GRAPE, WINE	7.5920	1	10.00	A
	PLUM	60.7357	1	2.00	A
	RIGHTS OF WAY	30.3678			
	Chemical Total	8,844.3715	139		
<b>BISPYRIBAC-SODIUM</b>					
	RICE	3,237.9066	1,493	94,496.45	A
	SOIL FUMIGATION/PREPLANT	4.1605	1	157.00	A
	Chemical Total	3,242.0671	1,494		
<b>BORAX</b>					
	BEAN, SUCCULENT	0.0099	1	1.00	A
	BROCCOLI	2.0305	3	183.00	A
	COTTON	2.2568	55	369.50	A
	FOREST, TIMBERLAND	10,332.2400	70	8,800.90	A
		4,370.0000		2,296.00	U
	TOTAL POUNDS ON THIS COMMODITY	14,702.2400			
	GRAPE, WINE	2.8750	1	1.25	A
	LANDSCAPE MAINTENANCE	363.4482			
		0.0023	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	363.4505			
	LETTUCE, HEAD	0.1052	1	5.00	A
	LETTUCE, LEAF	0.9814	7	159.94	A
	PEAS	1.2817	2	73.00	A
	PEPPER, FRUITING	0.3944	1	12.00	A
	RASPBERRY	1.0853	2	26.00	A
	REGULATORY PEST CONTROL	4,369.4063		2,775.00	A
		13.0939			
	TOTAL POUNDS ON THIS COMMODITY	4,382.5002			
	RIGHTS OF WAY	50,689.0154			
	STRAWBERRY	67.4408	34	1,538.32	A
	STRUCTURAL PEST CONTROL	662.7794			
	TOMATO	15.2820	16	250.65	A
	VERTEBRATE CONTROL	1.9643			
	Chemical Total	70,895.6928	194		
<b>BORIC ACID</b>					
	ALMOND	25.0000	1	20.00	A
	ANIMAL PREMISE	32.0000		1.00	A
		19.2000		14,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	51.2000			
	CABBAGE	0.1250	1	2,000.00	S
	GRAPE, WINE	4.1200	1	6.00	A
	LANDSCAPE MAINTENANCE	1,163.7211			
	N-OUTDR PLANTS IN CONTAINERS	4.9600	2	1.44	A
	N-OUTDR TRANSPLANTS	2.3200	9	4,757.00	S
	PEPPER, FRUITING	14.6875	1	38.70	A
	PISTACHIO	462.0000	4	354.00	A
	REGULATORY PEST CONTROL	0.0438			
	RIGHTS OF WAY	0.0250			
	STRUCTURAL PEST CONTROL	113,253.7772			
	VERTEBRATE CONTROL	2.1469			
	Chemical Total	114,984.1265	19		

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<b>BOSCALID</b>					
	ALMOND	12,240.5353	1,330	74,064.06	A
	APRICOT	476.0187	122	2,727.67	A
	BEAN, SUCCULENT	39.9035	13	102.67	A
	BLACKBERRY	2.5200	2	8.00	A
	BLUEBERRY	87.7325	7	246.00	A
	BROCCOLI	2.2812	1	8.69	A
	BRUSSELS SPROUT	41.1430	16	114.49	A
	CANTALOUPE	98.2800	4	374.00	A
	CARROT	451.1542	44	2,573.59	A
	CHERRY	1,323.4855	255	5,840.42	A
	CHESTNUT	6.6938	3	34.00	A
	CITRUS	23.1210	7	101.00	A
	CUCUMBER	2.3310	1	8.00	A
	GRAPE	9,105.0150	1,395	62,621.28	A
	GRAPE, WINE	13,659.6016	3,078	84,955.09	A
	LANDSCAPE MAINTENANCE	8.5504			
	LEEK	3.9539	3	20.50	A
	LETTUCE, HEAD	3,310.0852	712	8,475.21	A
	LETTUCE, LEAF	1,608.8949	548	4,792.11	A
	MELON	93.6889	12	372.00	A
	N-GRNHS TRANSPLANTS	0.0219	3	0.07	A
	N-OUTDR PLANTS IN CONTAINERS	10.2556	9	62.94	A
	N-OUTDR TRANSPLANTS	179.3540	52	598.88	A
	NECTARINE	181.7375	86	1,082.63	A
	ONION, DRY	500.4481	97	2,072.60	A
	ONION, GREEN	10.3344	6	34.90	A
	ORANGE	5.8288	1	20.00	A
	PEACH	1,032.8873	291	6,252.96	A
	PEPPER, FRUITING	117.2140	25	738.50	A
	PISTACHIO	7,123.2510	514	37,038.02	A
	PLUM	79.5834	56	462.66	A
	POTATO	820.2131	49	3,097.63	A
	PRUNE	268.0025	19	1,527.80	A
	PUMPKIN	37.5480	5	149.00	A
	RASPBERRY	2.5673	2	8.00	A
	SQUASH, SUMMER	9.6863	3	37.00	A
	STRAWBERRY	8,571.8363	831	28,071.51	A
	TANGERINE	90.3342	26	327.94	A
	TOMATO	146.7572	9	284.70	A
	TOMATO, PROCESSING	130.9944	8	391.70	A
	VERTEBRATE CONTROL	12.6000			
	WALNUT	4.7250	3	26.75	A
	WATERMELON	227.4118	21	1,035.60	A
	Chemical Total	62,148.5817	9,669		
<b>BRODIFACOU</b>					
	ANIMAL PREMISE	0.0390		80.00	A
		0.0244		243.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0634			
	FOOD PROCESSING PLANT	0.0032		28,530.00	S
	GRAPE, WINE	0.0002	1	5.00	A
	LANDSCAPE MAINTENANCE	0.2524			
	N-GRNHS PLANTS IN CONTAINERS	0.0016	3	18.00	A
	N-GRNHS TRANSPLANTS	0.0000	3	4.74	A
	N-OUTDR FLOWER	0.0002	1	2.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0083	10	41.83	A
	RESEARCH COMMODITY	0.0003			
	RIGHTS OF WAY	0.0049			
	STRUCTURAL PEST CONTROL	1.7495			
	TURKEY	0.0024		40.00	U
	VERTEBRATE CONTROL	0.0847			
	Chemical Total	2.1711	18		

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<b>BROMACIL</b>					
	CITRUS	321.2800	8	336.60	A
	GRAPE, WINE	1.4640	1	20.00	A
	GRAPEFRUIT	2,371.0400	84	2,362.00	A
	LANDSCAPE MAINTENANCE	2,690.6120			
	LEMON	3,927.2460	152	3,600.66	A
	ORANGE	21,678.7670	665	18,245.24	A
	PASTURELAND	16.8000	1	22.00	A
	PUBLIC HEALTH	21.2000			
	RIGHTS OF WAY	23,182.3170			
		129.6000	3	61.50	A
	TOTAL POUNDS ON THIS COMMODITY	23,311.9170			
	SOIL FUMIGATION/PREPLANT	4.0000	1	5.00	A
	STRUCTURAL PEST CONTROL	175.6439			
	TANGELO	561.8000	28	418.35	A
	TANGERINE	1,000.9560	54	973.35	A
	UNCULTIVATED AG	6.4000		2.00	A
	UNCULTIVATED NON-AG	152.6800	8	156.80	A
	UNKNOWN	19.2000			
	VERTEBRATE CONTROL	214.6000			
	Chemical Total	56,475.6059	1,005		
<b>BROMACIL, LITHIUM SALT</b>					
	RIGHTS OF WAY	1,801.0653			
	Chemical Total	1,801.0653			
<b>BROMADIOLONE</b>					
	ANIMAL PREMISE	0.1893		577.00	U
		0.0527		255.00	A
		0.0073		2,661,937.59	S
	TOTAL POUNDS ON THIS COMMODITY	0.2493			
	AVOCADO	0.0119	6	40.00	A
	BEVERAGE CROP	0.0010		16,500.00	S
	COMMODITY FUMIGATION	0.0001			
	FOOD PROCESSING PLANT	0.1739		1,015,315.00	S
	FUMIGATION, OTHER	0.0005			
	GRAPEFRUIT	0.0149	7	772.50	A
	HERB, SPICE	0.0015		24,450.00	S
	HOUSEHOLD	0.0013		8.00	U
	INDUSTRIAL SITE	0.0055		88,350.00	S
	LANDSCAPE MAINTENANCE	4.3733			
	LEMON	0.0800	35	1,661.20	A
	LIME	0.0002	1	4.00	A
	LIVESTOCK	0.0002		5.00	U
	N-GRNHS FLOWER	0.0009	4	10.50	A
		0.0004	1	100,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0013			
	N-GRNHS PLANTS IN CONTAINERS	0.0040	18	20.30	A
	N-GRNHS TRANSPLANTS	0.0033	2	10.00	A
	N-OUTDR FLOWER	0.0012	4	6.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.0338	111	440.67	A
		0.0004	3	60,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0342			
	ORANGE	0.0049	9	83.91	A
	POULTRY	0.0268		295.00	U
		0.0014		10.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0282			
	PUBLIC HEALTH	0.9174			
	REGULATORY PEST CONTROL	0.0000			
	RESEARCH COMMODITY	0.0000			
	RIGHTS OF WAY	0.4308			
	STRUCTURAL PEST CONTROL	21.3644			
	TANGERINE	0.0003	1	40.00	A
	TURKEY	0.0030		40.00	U

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<b>BROMADIOLONE</b>					
	UNCULTIVATED AG	0.0010	1	77.00	A
	UNCULTIVATED NON-AG	0.0001		2,100.00	S
	VERTEBRATE CONTROL	0.2927			
	Chemical Total	28.0004	203		
<b>BROMETHALIN</b>					
	ANIMAL PREMISE	1.2754		5,222,000.00	S
		0.4438		9.00	U
		0.1499		32.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.8691			
	LANDSCAPE MAINTENANCE	2.6552			
		0.0013	2	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	2.6565			
	N-OUTDR PLANTS IN CONTAINERS	0.0004	3	27.00	A
	PUBLIC HEALTH	0.0352			
	RIGHTS OF WAY	0.0050			
	STRUCTURAL PEST CONTROL	0.8135			
	VERTEBRATE CONTROL	0.0020			
	Chemical Total	5.3817	5		
<b>1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN</b>					
	LANDSCAPE MAINTENANCE	189.0000			
	N-GRNHS PLANTS IN CONTAINERS	5.2800	1	42,240.00	S
	N-OUTDR PLANTS IN CONTAINERS	6.2700	1	50,160.00	S
	RIGHTS OF WAY	330.0000			
	STRUCTURAL PEST CONTROL	2,543.1660			
	UNCULTIVATED AG	12.0000		4.00	U
	WATER (INDUSTRIAL)	3,002.4000		610.00	A
		1,354.7200		149.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,357.1200			
	Chemical Total	7,442.8360	2		
<b>BROMOXYNIL BUTYRATE</b>					
	GRAPE, WINE	16.9384	1	18.50	A
	WHEAT	18.7453	1	60.00	A
	Chemical Total	35.6837	2		
<b>BROMOXYNIL HEPTANOATE</b>					
	ALFALFA	4,137.7065	354	17,553.90	A
	BARLEY	979.7004	66	3,298.90	A
	BARLEY (FORAGE - FODDER)	136.8475	10	441.00	A
	CORN (FORAGE - FODDER)	639.6993	52	2,626.20	A
	CORN, HUMAN CONSUMPTION	95.3419	11	542.40	A
	COTTON	1,578.4683	69	4,710.98	A
	FORAGE HAY/SILAGE	521.7041	42	2,099.00	A
	GARLIC	2,324.5921	52	6,626.42	A
	GRASS, SEED	1.4169	1	4.00	A
	LANDSCAPE MAINTENANCE	26.7668			
	N-OUTDR FLOWER	14.1693	1	40.00	A
	N-OUTDR PLANTS IN CONTAINERS	285.3278	40	1,069.00	A
	N-OUTDR TRANSPLANTS	1.0397	3	5.85	A
	OAT	1,193.9246	148	4,146.70	A
	OAT (FORAGE - FODDER)	3,134.0417	276	10,209.47	A
	ONION, DRY	2,231.3473	293	16,307.25	A
	ONION, GREEN	7.3964	4	129.60	A
	RESEARCH COMMODITY	10.0957			
	RIGHTS OF WAY	29.8513			
	RYE	161.8244	16	477.00	A
	RYEGRASS	37.2406	12	109.70	A
	SORGHUM/MILO	23.9107	4	90.00	A
	SUDANGRASS	70.0815	11	243.80	A
	TURF/SOD	418.9137	33	720.60	A
	UNCULTIVATED AG	18.7744	3	84.00	A
	UNCULTIVATED NON-AG	2.6567	1	10.00	A

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<b>BROMOXYNIL HEPTANOATE</b>					
	WHEAT	7,455.4057	396	23,765.80	A
	WHEAT (FORAGE - FODDER)	1,531.1752	123	5,290.64	A
	Chemical Total	27,069.4205	2,021		
<b>BROMOXYNIL OCTANOATE</b>					
	ALFALFA	6,688.0788	511	26,890.35	A
	BARLEY	1,248.1678	90	4,002.36	A
		0.2185	1	25,264.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,248.3863			
	BARLEY (FORAGE - FODDER)	155.4030	11	478.00	A
	BERMUDAGRASS	1,384.4324	28	2,002.00	A
	CORN (FORAGE - FODDER)	697.7651	56	2,839.20	A
	CORN, HUMAN CONSUMPTION	98.8731	11	542.40	A
	COTTON	3,288.3011	140	8,996.78	A
	FLAX	41.2916	3	124.00	A
	FORAGE HAY/SILAGE	659.4612	59	2,467.00	A
	GARLIC	3,122.9565	65	7,956.42	A
	GRAIN	80.7657	2	293.00	A
	GRAPE, WINE	19.6981	1	18.50	A
	GRASS, SEED	41.1588	5	118.00	A
	LANDSCAPE MAINTENANCE	667.5906			
	MINT	142.6362	21	777.00	A
	N-OUTDR FLOWER	14.6941	1	40.00	A
	N-OUTDR PLANTS IN CONTAINERS	627.1418	77	1,879.05	A
	N-OUTDR TRANSPLANTS	40.6947	18	160.55	A
	OAT	2,073.3101	202	6,200.45	A
	OAT (FORAGE - FODDER)	4,017.1217	326	12,512.92	A
	ONION, DRY	5,759.0247	514	30,091.35	A
	ONION, GREEN	7.6703	4	129.60	A
	RESEARCH COMMODITY	11.2888			
		1.8206	1	135.00	A
	TOTAL POUNDS ON THIS COMMODITY	13.1094			
	RIGHTS OF WAY	260.6639			
	RYE	167.8179	16	477.00	A
	RYEGRASS	38.6198	12	109.70	A
	SORGHUM/MILO	24.7963	4	90.00	A
	SUDANGRASS	142.0353	13	370.80	A
	TURF/SOD	672.4536	61	1,253.10	A
	UNCULTIVATED AG	23.5770	4	129.00	A
	UNCULTIVATED NON-AG	2.7551	1	10.00	A
	VERTEBRATE CONTROL	0.7283	1	2.75	A
	WHEAT	15,887.0958	670	44,366.29	A
	WHEAT (FORAGE - FODDER)	2,113.1766	155	7,108.36	A
	Chemical Total	50,223.2849	3,084		
<b>BUPROFEZIN</b>					
	CANTALOUPE	912.5080	51	2,793.60	A
	CITRUS	81.3225	7	42.50	A
	COTTON	19,176.3080	953	55,864.61	A
	CUCUMBER	35.4445	8	102.00	A
	GRAPE	7,161.8135	354	14,550.58	A
	GRAPE, WINE	4,507.0617	320	9,256.72	A
	GRAPEFRUIT	133.3080	9	70.20	A
	LEMON	262.8920	14	217.30	A
	LETTUCE, HEAD	1.3790	1	20.00	A
	MELON	114.2389	12	398.35	A
	N-GRNHS FLOWER	88.4166	91	141.89	A
		27.8250	17	633,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	116.2416			
	N-GRNHS PLANTS IN CONTAINERS	14.0732	24	24.46	A
		11.8458	15	815,812.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.9190			
	N-OUTDR FLOWER	9.3188	5	26.50	A
	N-OUTDR PLANTS IN CONTAINERS	13.2143	14	20.69	A
		0.4200	1	110,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.6343			

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<b>BUPROFEZIN</b>					
	ORANGE	9,108.2425	210	5,128.97	A
	PUMPKIN	5.9080	2	15.00	A
	TANGELO	99.1480	4	58.00	A
	TANGERINE	327.6000	8	214.50	A
	TOMATO	929.6018	74	2,461.50	A
	VERTEBRATE CONTROL	12.7330	1	25.62	A
	WATERMELON	20.6500	2	60.00	A
	Chemical Total	43,055.2731	2,197		
<b>2-BUTOXYETHANOL</b>					
	ALFALFA	0.6413	3	78.00	A
	ALMOND	28.9368	82	4,873.59	A
	APPLE	1,947.1245	201	6,143.06	A
	CHERRY	255.3046	114	2,218.33	A
	CORN (FORAGE - FODDER)	1.7920	5	360.00	A
	COTTON	17.6082	58	3,447.40	A
	GRAPE	9.9077	50	1,565.05	A
	GRAPE, WINE	2.3958	15	854.68	A
	GRAPEFRUIT	4.9518	14	227.50	A
	KIWI	0.1144	1	16.60	A
	NECTARINE	31.7497	596	6,998.58	A
	OLIVE	6.4756	11	1,705.00	A
	ORANGE	14.2005	31	868.27	A
	PEACH	26.4608	582	6,116.50	A
	PEAR	8.1436	2	50.00	A
	PERSIMMON	0.0138	1	8.00	A
	PISTACHIO	2.4508	22	802.04	A
	PLUM	16.8248	325	3,624.77	A
	POMEGRANATE	0.0207	1	3.00	A
	POTATO	0.4311	1	25.00	A
	PRUNE	0.6149	11	99.50	A
	RIGHTS OF WAY	5.2595			
	TANGERINE	0.2067	1	10.00	A
	TOMATO, PROCESSING	2.3160	10	388.00	A
	TURNIP	0.3449	2	20.00	A
	UNCULTIVATED AG	0.3794	1	22.00	A
	WALNUT	28.6967	276	7,881.54	A
	WHEAT	0.5694	3	120.00	A
	WHEAT (FORAGE - FODDER)	0.4133	3	120.00	A
	Chemical Total	2,414.3493	2,422		
<b>2-(2-BUTOXY ETHOXY) ETHYL THIOCYANATE</b>					
	GRAPE, WINE	0.0726	1	3.00	A
	N-OUTDR FLOWER	2.0375	1	2.00	A
	Chemical Total	2.1101	2		
<b>BUTOXY POLYPROPYLENE GLYCOL</b>					
	GRAPE, WINE	0.0695	1	8.00	A
	Chemical Total	0.0695	1		
<b>BUTYL ALCOHOL</b>					
	ALFALFA	2,822.7393	1,333	73,996.84	A
	ALMOND	7,045.5857	2,537	174,864.68	A
	APPLE	0.3707	3	16.00	A
	APRICOT	36.7451	17	257.40	A
	ARRUGULA	0.1705	1	9.00	A
	ARTICHOKE, GLOBE	29.4947	81	1,214.75	A
	ASPARAGUS	192.2011	104	4,593.43	A
	BARLEY	77.5317	22	1,774.10	A
	BEAN, DRIED	38.6854	66	2,689.50	A
	BEAN, SUCCULENT	11.9954	76	437.75	A
	BEAN, UNSPECIFIED	10.8407	4	290.00	A
	BEET	1.8905	39	79.75	A
	BERMUDAGRASS	0.8526	1	46.00	A

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<b>BUTYL ALCOHOL</b>					
	BLUEBERRY	0.1820	1	9.00	A
	BOK CHOY	0.6450	18	27.80	A
	BROCCOLI	289.9781	735	9,681.36	A
	CABBAGE	19.4193	86	740.70	A
	CANTALOUPE	19.0590	6	776.00	A
	CARDOON	0.6821	6	26.54	A
	CARROT	57.7972	57	927.90	A
	CAULIFLOWER	202.7457	457	5,762.68	A
	CELERY	57.0679	192	2,123.40	A
	CHERRY	140.4984	61	1,774.50	A
	CHICORY	6.5419	24	251.71	A
	CHINESE CABBAGE (NAPPA)	0.7265	16	41.70	A
	CITRUS	2.0577	5	58.50	A
	CLOVER	23.3569	13	516.90	A
	COLLARD	0.0297	1	1.25	A
	COMMODITY FUMIGATION	8.5258			
	CORN (FORAGE - FODDER)	356.8051	232	12,509.89	A
	CORN, HUMAN CONSUMPTION	113.2952	208	4,289.72	A
	COTTON	3,260.2840	1,460	111,811.69	A
	COUNTY AG COMM	3.7069	1	200.00	A
	CUCUMBER	10.3231	15	418.80	A
	DITCH BANK	3.9478	2	86.00	A
	EGGPLANT	0.4152	2	18.00	A
	ENDIVE (ESCAROLE)	2.7505	36	67.00	A
	FENNEL	1.5346	5	68.50	A
	FIG	70.4302	15	1,364.90	A
	FORAGE HAY/SILAGE	4.1502	8	250.46	A
	FOREST, TIMBERLAND	474.5072	129	4,593.00	A
	GARLIC	92.2383	17	1,902.00	A
	GRAPE	1,192.6395	639	24,969.79	A
	GRAPE, WINE	1,455.5664	1,119	47,127.68	A
	KALE	39.4705	92	896.65	A
	KIWI	73.4436	37	724.89	A
	KOHLRABI	0.0297	2	0.83	A
	LANDSCAPE MAINTENANCE	83.3651			
		0.7414	1	4.00	A
	TOTAL POUNDS ON THIS COMMODITY	84.1065			
	LEMON	9.7071	1	55.00	A
	LETTUCE, HEAD	684.2100	2,199	27,661.76	A
	LETTUCE, LEAF	271.6363	1,257	11,700.38	A
	MELON	2.7134	7	123.80	A
	MUSTARD	1.0305	18	46.30	A
	N-GRNHS PLANTS IN CONTAINERS	0.4518	3	2.85	A
	N-OUTDR PLANTS IN CONTAINERS	102.9066	319	1,831.97	A
	N-OUTDR TRANSPLANTS	1.7041	4	51.01	A
	NECTARINE	177.9284	415	8,404.53	A
	OAT	69.1977	45	2,973.50	A
	OAT (FORAGE - FODDER)	35.7296	40	1,752.70	A
	OLIVE	39.0503	37	1,719.70	A
	ONION, DRY	69.7134	71	2,390.10	A
	ONION, GREEN	14.5106	147	628.40	A
	ORANGE	108.7397	22	1,569.80	A
	PARSLEY	19.2056	11	412.00	A
	PASTURELAND	10.0928	13	1,148.00	A
	PEACH	167.2236	451	4,473.53	A
	PEAR	45.6640	32	1,083.30	A
	PEAS	4.2594	31	168.73	A
	PECAN	8.9521	14	178.80	A
	PEPPER, FRUITING	42.6706	104	1,793.30	A
	PEPPER, SPICE	8.1773	18	350.60	A
	PERSIMMON	0.2224	1	3.00	A
	PISTACHIO	940.6771	209	20,042.33	A
	PLUM	99.9617	157	1,615.72	A
	POTATO	1.8757	3	150.00	A
	PRUNE	226.7806	180	8,369.10	A
	PUBLIC HEALTH	3,826.8896			
	PUMPKIN	5.8550	13	255.00	A
	RANGELAND	124.4800	35	4,755.20	A



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<b>BUTYL ALCOHOL</b>					
	RAPPINI	7.2270	68	313.00	A
	REGULATORY PEST CONTROL	108.8834			
		24.2219		290.79	A
	TOTAL POUNDS ON THIS COMMODITY	133.1053			
	RESEARCH COMMODITY	0.0579			
	RICE	274.4080	186	12,397.31	A
	RIGHTS OF WAY	3,432.4397			
		3.3362	3	86.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,435.7759			
	RYEGRASS	6.1534	1	166.00	A
	SAFFLOWER	20.9178	8	743.00	A
	SOIL FUMIGATION/PREPLANT	76.6781	31	2,602.00	A
	SORGHUM (FORAGE - FODDER)	2.8728	3	340.00	A
	SORGHUM/MILO	5.5751	6	246.00	A
	SPINACH	2.0656	12	83.15	A
	SQUASH	6.8947	1	37.00	A
	SQUASH, SUMMER	2.1277	4	92.00	A
	SQUASH, WINTER	6.8947	1	37.00	A
	STRAWBERRY	43.1946	44	1,326.50	A
	STRUCTURAL PEST CONTROL	154.8930			
	SUDANGRASS	14.4178	13	527.20	A
	SUGARBEET	13.0587	10	797.00	A
	SUNFLOWER	52.3695	41	2,380.50	A
	SWISS CHARD	1.2455	38	55.41	A
	TANGELO	1.6310	1	23.50	A
	TOMATO	88.6926	100	3,554.75	A
	TOMATO, PROCESSING	492.3337	224	17,501.96	A
	TURF/SOD	8.6370	11	468.00	A
	UNCULTIVATED AG	322.2519	260	13,307.38	A
	UNCULTIVATED NON-AG	29.8915	15	262.00	A
	UNKNOWN	3.2431	1	145.00	A
		1.3345			
	TOTAL POUNDS ON THIS COMMODITY	4.5776			
	WALNUT	869.1751	783	23,124.62	A
	WATER AREA	0.7530	3	184.32	A
	WATERMELON	15.7940	46	745.40	A
	WHEAT	110.5628	82	6,987.69	A
	WHEAT (FORAGE - FODDER)	59.1459	52	2,982.61	A
	Chemical Total	31,723.6573	17,887		
<b>BUTYLATE</b>					
	CORN (FORAGE - FODDER)	19,486.3188	55	3,725.20	A
	CORN, HUMAN CONSUMPTION	836.5378	23	214.82	A
	Chemical Total	20,322.8566	78		
<b>ALPHA- ( PARA -TERT -BUTYLPHENYL )-OMEGA -HYDROXPOLY (OXYETHYLENE ) PHOSPHATE</b>					
	ALFALFA	2,258.9887	1,114	61,569.77	A
	ALMOND	6,959.9188	345	20,044.10	A
	APPLE	1.1686	1	2.25	A
	APRICOT	7.7369	1	60.00	A
	AVOCADO	42.8431	4	33.50	A
	BARLEY	14.6034	11	814.00	A
	BEAN, DRIED	96.9692	2	150.37	A
	BEAN, SUCCULENT	7.8143	3	112.00	A
	BEAN, UNSPECIFIED	0.7634	2	59.20	A
	BERMUDAGRASS	7.7369	4	210.00	A
	BOK CHOY	0.0258	1	2.50	A
	BROCCOLI	1.1525	3	58.50	A
	BRUSSELS SPROUT	3.1366	74	487.56	A
	CABBAGE	5.4932	15	205.00	A
	CANTALOUPE	188.1703	38	3,204.00	A
	CARROT	22.3864	7	399.00	A
	CHERRY	38.6636	10	130.70	A
	CHINESE CABBAGE (NAPPA)	0.9284	2	30.00	A
	CORN (FORAGE - FODDER)	116.3309	42	2,107.20	A
	CORN, HUMAN CONSUMPTION	65.1963	64	2,687.00	A

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<b>ALPHA- (PARA -TERT -BUTYLPHENYL)-OMEGA -HYDROXYPOLY(OXYETHYLENE) PHOSPHATE</b>					
	COTTON	2,252.7399	1,152	49,683.70	A
	FORAGE HAY/SILAGE	26.6924	14	505.00	A
	GARLIC	10.0838	2	156.00	A
	GRAPE	413.4057	77	1,807.64	A
	GRAPE, WINE	413.0733	15	889.84	A
	LANDSCAPE MAINTENANCE	1.2492			
	LETTUCE, HEAD	31.6221	38	880.10	A
	LETTUCE, LEAF	1.6144	6	134.00	A
	MELON	74.7629	50	1,816.00	A
	MINT	70.6319	43	1,977.60	A
	N-GRNHS PLANTS IN CONTAINERS	0.1293	15	12.12	A
	N-OUTDR PLANTS IN CONTAINERS	8.1120	28	49.82	A
	N-OUTDR TRANSPLANTS	12.5725	4	38.90	A
	NECTARINE	3.2237	2	10.00	A
	OAT	1.2637	1	68.00	A
	OAT (FORAGE - FODDER)	1.6247	1	25.00	A
	ONION, DRY	57.1499	24	1,361.00	A
	ORANGE	13.3784	4	101.00	A
	PEACH	115.6880	39	664.00	A
	PEAR	5.8027	1	9.00	A
	PISTACHIO	106.1890	3	373.40	A
	PLUM	0.7809	2	20.00	A
	POTATO	26.0025	16	981.30	A
	PRUNE	8.0593	1	25.00	A
	RAPPINI	7.7369	2	107.00	A
	RESEARCH COMMODITY	0.3224	1	5.00	A
	RICE	61.7741	29	1,314.60	A
	SQUASH	3.3527	3	131.00	A
	STRAWBERRY	1,300.8213	166	4,612.90	A
	SUDANGRASS	21.2507	4	329.00	A
	SUGARBEET	282.9456	112	6,629.50	A
	TOMATO	27.7111	13	633.70	A
	TOMATO, PROCESSING	98.5875	20	1,574.00	A
	UNCULTIVATED AG	0.2579	2	18.00	A
	WALNUT	686.9165	56	2,053.00	A
	WATERMELON	19.5486	9	285.50	A
	WHEAT	93.3490	41	2,456.00	A
	Chemical Total	16,100.4538	3,739		
<b>CACODYLIC ACID</b>					
	COTTON	7.8373	2	100.00	A
	LANDSCAPE MAINTENANCE	25.9998			
	RIGHTS OF WAY	81.0519			
	Chemical Total	114.8890	2		
<b>CADMIUM CHLORIDE</b>					
	LANDSCAPE MAINTENANCE	0.0009			
	N-GRNHS PLANTS IN CONTAINERS	0.0038	1	0.01	A
	Chemical Total	0.0047	1		
<b>CALCIUM ACID METHANEARSONATE</b>					
	LANDSCAPE MAINTENANCE	1.5546			
	N-GRNHS PLANTS IN CONTAINERS	0.0302	2	10,000.00	S
	Chemical Total	1.5848	2		
<b>CALCIUM CARBONATE</b>					
	CARROT	153,664.0000		1,083,272.00	T
		19,208.0000		135,409.00	U
	TOTAL POUNDS ON THIS COMMODITY	172,872.0000			
	TOMATO, PROCESSING	5,488.0000		397,300.00	P
	Chemical Total	178,360.0000			

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<b>CALCIUM CHLORIDE</b>					
	ALFALFA	865.0991	1,059	60,594.48	A
	ALMOND	2,848.9773	292	19,969.35	A
	APPLE	295.1553	108	3,912.55	A
	APRICOT	16.3065	6	125.00	A
	ARRUGULA	0.1931	1	9.00	A
	ARTICHOKE, GLOBE	2.7026	22	87.00	A
	ASPARAGUS	90.7183	62	3,538.83	A
	BEAN, DRIED	56.9709	85	4,483.63	A
	BEAN, SUCCULENT	3.3503	5	203.00	A
	BEAN, UNSPECIFIED	7.9600	5	446.00	A
	CABBAGE	0.1511	2	15.00	A
	CANTALOUPE	1.9732	3	94.00	A
	CARROT	20.4270	56	911.00	A
	CHERRY	28.3917	20	351.90	A
	CLOVER	0.4450	1	43.00	A
	COMMODITY FUMIGATION	0.4592			
	CORN (FORAGE - FODDER)	24.8540	23	1,360.50	A
	CORN, HUMAN CONSUMPTION	302.0978	982	25,857.00	A
	COTTON	1,410.2244	833	65,318.95	A
	CUCUMBER	0.7137	4	105.00	A
	GARLIC	14.3583	3	456.00	A
	GRAPE	204.3425	79	4,370.30	A
	GRAPE, WINE	268.6754	68	3,162.04	A
	KALE	0.0336	2	4.00	A
	LANDSCAPE MAINTENANCE	0.4198			
	LEMON	34.4393	2	175.00	A
	LETTUCE, HEAD	6.0876	3	38.00	A
	LETTUCE, LEAF	14.9040	1	71.00	A
	MELON	9.8300	27	1,974.00	A
	MUSTARD	0.4198	1	20.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.9236	3	48.00	A
	NECTARINE	4.0737	10	71.84	A
	OAT	6.9577	6	541.50	A
	OAT (FORAGE - FODDER)	2.5341	8	241.52	A
	OLIVE	2.5190	2	39.50	A
	ONION, DRY	27.0624	7	766.71	A
	ORANGE	5.4620	6	108.50	A
	PARSLEY	0.3086	7	21.00	A
	PEACH	88.6450	39	700.10	A
	PEAR	90.8408	41	1,189.70	A
	PECAN	4.6685	3	90.00	A
	PEPPER, FRUITING	0.1653	2	21.00	A
	PISTACHIO	92.0944	4	546.20	A
	PLUM	0.7460	5	9.00	A
	POTATO	9.7317	15	646.00	A
	PRUNE	5.6021	5	272.00	A
	PUMPKIN	3.0606	8	169.00	A
	RESEARCH COMMODITY	0.1931	1	25.00	A
	RICE	508.7226	777	52,150.76	A
	RIGHTS OF WAY	60.4270			
	SAFFLOWER	77.9544	5	1,103.40	A
	SORGHUM (FORAGE - FODDER)	1.1755	1	56.00	A
	SORGHUM/MILO	0.5878	3	56.20	A
	SOYBEAN	1.2595	2	239.00	A
	SQUASH	1.3687	9	140.00	A
	SUDANGRASS	4.9960	4	175.00	A
	SUGARBEET	63.9289	61	4,921.00	A
	SUNFLOWER	26.6662	42	2,696.00	A
	TOMATO	24.2663	27	1,249.00	A
	TOMATO, PROCESSING	272.0357	246	13,817.57	A
	UNCULTIVATED AG	7.1198	10	1,040.00	A
	WALNUT	330.8894	238	5,750.00	A
	WATERMELON	1.1049	3	112.00	A
	WHEAT	32.8695	28	1,967.10	A
	WHEAT (FORAGE - FODDER)	0.8397	2	103.40	A
Chemical Total		8,292.4813	5,385		

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<b>CALCIUM HYDROXIDE</b>					
	ALMOND	3,963.5100	1	122.33	A
	APRICOT	276.0000	2	30.00	A
	CHERRY	19,687.8000	39	841.00	A
	CITRUS	4,866.2000	16	146.00	A
	COTTON	17.0200	1	37.00	A
	GRAPE	244.6650	1	54.37	A
	GRAPE, WINE	3,972.6581	51	2,323.03	A
	GRAPEFRUIT	5,779.4500	21	239.00	A
	LEMON	110,518.9910	199	5,211.25	A
	LETTUCE, HEAD	139.9320	3	50.70	A
	LETTUCE, LEAF	1,108.3884	23	414.89	A
	LIME	230.0000	2	5.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.5175	1	0.20	A
	N-OUTDR PLANTS IN CONTAINERS	123.7500	8	8.00	A
	N-OUTDR TRANSPLANTS	67.5000	2	25.00	A
	NECTARINE	2,184.9880	23	276.78	A
	OLIVE	99,203.1280	113	2,756.50	A
	ONION, DRY	91.0800	2	30.00	A
	ORANGE	2,210,136.5734	2,564	77,113.42	A
	PEACH	1,680.7400	22	183.70	A
	PRUNE	90.0000	2	20.00	A
	RIGHTS OF WAY	0.2300			
	STRUCTURAL PEST CONTROL	2.8750			
	TANGELO	91,046.2800	110	2,263.96	A
	TANGERINE	24,325.6440	60	1,829.69	A
	WALNUT	1,774.8000	6	148.00	A
	WHEAT	273.2400	2	90.00	A
Chemical Total		2,581,805.9604	3,274		
<b>CALCIUM HYPOCHLORITE</b>					
	ALFALFA	3,488.7516	16	1,265.00	U
	ALMOND	4.0625	1	20.00	A
	BEAN, SUCCULENT	4,230.2800	8	504.00	U
	BEAN, UNSPECIFIED	38,551.2400	12	4,035.00	U
	BROCCOLI	73.8285	17	94.00	U
	CABBAGE	29.2400	7	60.00	U
	CITRUS	1,430.0400		336,480.00	T
	CLOVER	25.8400	7	27.00	U
	COMMODITY FUMIGATION	45.7556			
	DITCH BANK	37,400.6800		514.00	U
		8,527.6974		64.75	A
		2,856.0000		1,206.60	K
TOTAL POUNDS ON THIS COMMODITY		48,784.3774			
	GRAIN	47.4450	56	20,042.00	U
	GRAPE, WINE	23.7125	2	59.00	A
		0.4156	1	500.00	S
TOTAL POUNDS ON THIS COMMODITY		24.1281			
	LANDSCAPE MAINTENANCE	37,824.5545			
	LETTUCE, LEAF	328.4400	7	64.00	U
	MUSHROOM	760.4308	2,178	16,386,686.90	S
		202.1944	844	224.75	A
TOTAL POUNDS ON THIS COMMODITY		962.6252			
	MUSTARD	5.4400	1	6.00	U
	ONION, GREEN	164.5600	12	123.00	U
	PEAS	1,358.6400	12	533.00	U
	POTATO	6,825.0000		24,915.30	T
	RADISH	1,964.5200	12	654.00	U
	RIGHTS OF WAY	5,571.1600			
	SOYBEAN	599.0800	12	132.00	U
	STRUCTURAL PEST CONTROL	1,632.0000			
	SUNFLOWER	72.0800	12	51.00	U
	WATER (INDUSTRIAL)	29.9200		1.00	U
	WATER AREA	32.5000		0.22	A
	WHEAT	0.5139	4	4.00	U
Chemical Total		154,106.0223	3,221		

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<b>CALF'S MILK REPLACER</b>					
	STRUCTURAL PEST CONTROL	17.6314			
	TOMATO	541.9560	1	19.00	A
	Chemical Total	559.5874	1		
<b>CANOLA OIL</b>					
	LANDSCAPE MAINTENANCE	0.9662			
	N-GRNHS PLANTS IN CONTAINERS	0.5368	2	10,400.00	S
	RIGHTS OF WAY	2.7188			
	Chemical Total	4.2218	2		
<b>CAPSICUM OLEORESIN</b>					
	ALMOND	0.5968	2	25.00	A
	CHERRY	0.1210	2	6.00	A
	COTTON	0.0968	1	10.00	A
	GRAPE, WINE	0.2951	6	14.50	A
	LANDSCAPE MAINTENANCE	1.7553			
	MELON	0.1369	4	17.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.0852	8	4.75	A
	N-OUTDR FLOWER	0.0575	5	2.70	A
	N-OUTDR PLANTS IN CONTAINERS	0.4583	24	21.62	A
	N-OUTDR TRANSPLANTS	0.2421	1	25.00	A
	RIGHTS OF WAY	0.0000			
	STRUCTURAL PEST CONTROL	0.0023			
	VEGETABLE	18.0000	1	7.50	A
	VERTEBRATE CONTROL	0.1500			
	WALNUT	27.2420	10	224.00	A
	WHEAT	0.0484	1	20.00	A
	Chemical Total	49.2877	65		
<b>CAPTAFOF</b>					
	LANDSCAPE MAINTENANCE	3.3000			
	Chemical Total	3.3000			
<b>CAPTAN</b>					
	ALMOND	54,435.7453	362	21,714.68	A
	APPLE	663.3774	39	349.40	A
	APRICOT	50.2631	4	21.40	A
	BEAN, DRIED	372.7418		819.70	T
		45.5914		122,598.00	C
		6.0376		149.00	A
	TOTAL POUNDS ON THIS COMMODITY	424.3708			
	BLUEBERRY	21.0270	2	12.00	A
	CANTALOUPE	0.0186		61.00	P
	CHERRY	103.8025	7	35.20	A
	CORN (FORAGE - FODDER)	246.4318	170	7,669.66	A
		8.5457	15	140.01	U
		0.0853		2,826.00	P
	TOTAL POUNDS ON THIS COMMODITY	255.0628			
	CORN, HUMAN CONSUMPTION	14.7959	40	1,376.21	A
		4.3920		545.50	U
	TOTAL POUNDS ON THIS COMMODITY	19.1879			
	COTTON	1.1505	1	18.86	U
		0.3355	2	88.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.4860			
	CUCUMBER	0.4575	1	100.00	A
	FUMIGATION, OTHER	192.2245			
	GRAPE	17,335.2607	113	5,600.06	A
	GRAPE, WINE	127.0511	6	140.00	A
	GREENHOUSE FUMIGATION	7.8240		6.00	A
	LANDSCAPE MAINTENANCE	142.1821			
	N-GRNHS FLOWER	204.4200	5	5.00	U
		77.6048	21	112.71	A
		18.5209	22	406,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	300.5457			

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<b>CAPTAN</b>					
	N-GRNHS PLANTS IN CONTAINERS	36.3397	11	23.28	A
		21.3326	8	140,960.00	S
		17.1150			
	TOTAL POUNDS ON THIS COMMODITY	74.7873			
	N-GRNHS TRANSPLANTS	22.1921	21	1,338.34	A
		0.2398	4	5,332.00	U
		0.0325	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	22.4644			
	N-OUTDR FLOWER	467.1525	53	311.08	A
		330.0750	16	1,000,114.00	U
	TOTAL POUNDS ON THIS COMMODITY	797.2275			
	N-OUTDR PLANTS IN CONTAINERS	66.5196	34	35.45	A
		3.4383	8	115,600.00	S
		0.1223	2	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	70.0802			
	N-OUTDR TRANSPLANTS	3,307.0686	90	1,868.67	A
		667.7025	1	11,532,531.00	U
		2.9340	1	48,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,977.7051			
	NECTARINE	1,038.8819	41	305.71	A
	PEACH	3,176.2139	70	1,076.89	A
	PLUM	3,266.4295	84	1,142.45	A
	PRUNE	45,985.2415	372	18,041.63	A
		762.8400		260.00	U
	TOTAL POUNDS ON THIS COMMODITY	46,748.0815			
	PUMPKIN	0.1223	1	0.10	A
	RASPBERRY	10.9000	2	30.20	A
	REGULATORY PEST CONTROL	0.7568		200.00	S
	RESEARCH COMMODITY	4.3517			
	RIGHTS OF WAY	14.6700			
	SAFFLOWER	0.1373	1	36.00	A
	SOIL FUMIGATION/PREPLANT	130.5630	2	53.40	A
	STRAWBERRY	236,823.0452	5,251	149,226.98	A
	STRUCTURAL PEST CONTROL	152.4298			
	SUNFLOWER	1.2124	2	133.00	A
	VERTEBRATE CONTROL	27.3840	1	14.00	A
	WALNUT	0.9780	1	0.10	A
	Chemical Total	370,418.3088	6,888		
<b>CAPTAN, OTHER RELATED</b>					
	ALMOND	1,278.2896	361	21,554.68	A
	APPLE	14.9226	39	349.40	A
	APRICOT	1.1307	4	21.40	A
	BEAN, DRIED	8.4714		819.70	T
		1.1211		122,598.00	C
		0.1372		149.00	A
	TOTAL POUNDS ON THIS COMMODITY	9.7297			
	BLUEBERRY	0.4730	2	12.00	A
	CANTALOUPE	0.0005		61.00	P
	CHERRY	2.3350	7	35.20	A
	CORN (FORAGE - FODDER)	6.0598	170	7,669.66	A
		0.2101	15	140.01	U
		0.0021		2,826.00	P
	TOTAL POUNDS ON THIS COMMODITY	6.2720			
	CORN, HUMAN CONSUMPTION	0.3638	40	1,376.21	A
		0.1080		545.50	U
	TOTAL POUNDS ON THIS COMMODITY	0.4718			
	COTTON	0.0283	1	18.86	U
		0.0083	2	88.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0366			
	CUCUMBER	0.0113	1	100.00	A
	FUMIGATION, OTHER	4.3687			
	GRAPE	389.2790	113	5,600.06	A
	GRAPE, WINE	2.7621	6	140.00	A
	GREENHOUSE FUMIGATION	0.1760		6.00	A
	LANDSCAPE MAINTENANCE	3.2312			

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<b>CAPTAN, OTHER RELATED</b>					
	N-GRNHS FLOWER	5.5800	5	5.00	U
		1.7703	21	112.71	A
		0.4166	22	406,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.7669			
	N-GRNHS PLANTS IN CONTAINERS	0.8175	11	23.28	A
		0.4799	8	140,960.00	S
		0.3850			
	TOTAL POUNDS ON THIS COMMODITY	1.6824			
	N-GRNHS TRANSPLANTS	0.4889	21	1,338.34	A
		0.0051	4	5,332.00	U
		0.0019	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4959			
	N-OUTDR FLOWER	10.5100	53	311.08	A
		7.4250	16	1,000,114.00	U
	TOTAL POUNDS ON THIS COMMODITY	17.9350			
	N-OUTDR PLANTS IN CONTAINERS	1.4964	34	35.45	A
		0.0773	8	115,600.00	S
		0.0028	2	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.5765			
	N-OUTDR TRANSPLANTS	72.8711	90	1,868.67	A
		15.1613	1	11,532,531.00	U
		0.0660	1	48,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	88.0984			
	NECTARINE	23.3818	41	305.71	A
	PEACH	71.4486	70	1,076.89	A
	PLUM	73.4780	84	1,142.45	A
	PRUNE	1,043.4635	372	18,041.63	A
		17.1600		260.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,060.6235			
	PUMPKIN	0.0028	1	0.10	A
	RASPBERRY	0.2367	2	30.20	A
	REGULATORY PEST CONTROL	0.0432		200.00	S
	RESEARCH COMMODITY	0.0972			
	RIGHTS OF WAY	0.3300			
	SAFFLOWER	0.0034	1	36.00	A
	SOIL FUMIGATION/PREPLANT	2.9370	2	53.40	A
	STRAWBERRY	5,202.8706	5,238	147,929.98	A
	STRUCTURAL PEST CONTROL	3.4734			
	SUNFLOWER	0.0298	2	133.00	A
	VERTEBRATE CONTROL	0.6160	1	14.00	A
	WALNUT	0.0220	1	0.10	A
	Chemical Total	8,270.6389	6,874		
<b>CARBARYL</b>					
	ALFALFA	8.0000	1	8.00	A
	ALMOND	1,360.4071	29	1,681.83	A
	ANIMAL PREMISE	40.0000		5.00	U
	APPLE	16,133.8867	351	8,727.22	A
	APRICOT	274.3004	6	90.00	A
	ASPARAGUS	4,304.0091	87	1,800.26	A
	BEAN, DRIED	511.6348	7	563.00	A
	BEAN, SUCCULENT	425.5830	26	337.00	A
	BEAN, UNSPECIFIED	2.9826	2	5.00	A
	BEET	38.8309	20	27.47	A
	BERMUDAGRASS	144.0000	2	115.00	A
	BOK CHOY	26.2921	8	26.45	A
	BOYSENBERRY	192.8162	4	98.00	A
	BROCCOLI	137.7303	15	87.50	A
	BRUSSELS SPROUT	39.0000	1	19.50	A
	CABBAGE	7.2079	4	7.25	A
	CACTUS PEAR	735.3767	21	375.30	A
	CANTALOUPE	3,163.3692	62	6,537.10	A
	CARROT	2,232.6390	30	2,280.29	A
	CAULIFLOWER	17.6000	3	10.50	A
	CELERY	197.1669	15	153.62	A
	CHERRY	7,428.8869	122	3,024.93	A
	CHINESE CABBAGE (NAPPA)	14.3302	2	15.00	A

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<b>CARBARYL</b>					
	CITRUS	143.5360	7	34.00	A
	COLLARD	1.3819	3	1.39	A
	COMMODITY FUMIGATION	6.9593			
	CORN (FORAGE - FODDER)	9,656.5471	142	7,596.90	A
	CORN, HUMAN CONSUMPTION	2,180.6464	100	1,365.15	A
	COTTON	210.9000	2	194.00	A
	CUCUMBER	150.5000	6	161.50	A
	EGGPLANT	10.1631	6	10.50	A
	FORAGE HAY/SILAGE	696.6254	6	714.50	A
	FOREST, TIMBERLAND	990.2088		449.00	A
	GRAPE	515.0261	24	408.50	A
	GRAPE, WINE	2,200.8353	49	1,430.07	A
	GRAPEFRUIT	593.2080	11	80.20	A
	KALE	1.4913	3	3.00	A
	KOHLRABI	1.2971	2	2.00	A
	LANDSCAPE MAINTENANCE	29,373.5243			
		13.4394	2	34.00	A
	TOTAL POUNDS ON THIS COMMODITY	29,386.9637			
	LEMON	1,506.5899	17	222.82	A
	LETTUCE, HEAD	688.2160	41	462.96	A
	LETTUCE, LEAF	30.0000	1	15.00	A
	MELON	5,444.0652	100	9,768.80	A
	MUSTARD	8.4281	6	7.93	A
	N-GRNHS FLOWER	52.2292	22	96.48	A
	N-GRNHS PLANTS IN CONTAINERS	107.9192	53	110.81	A
		9.3505	6	178,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	117.2697			
	N-GRNHS TRANSPLANTS	1.0000	5	10.00	A
	N-OUTDR FLOWER	55.8445	40	89.15	A
		0.0013	1	35.00	S
	TOTAL POUNDS ON THIS COMMODITY	55.8458			
	N-OUTDR PLANTS IN CONTAINERS	390.8483	60	283.34	A
		0.6920	3	4,140.80	S
		0.6759	2	1,300.00	U
	TOTAL POUNDS ON THIS COMMODITY	392.2162			
	N-OUTDR TRANSPLANTS	635.3846	20	328.58	A
		16.0000	1	37.00	U
	TOTAL POUNDS ON THIS COMMODITY	651.3846			
	NECTARINE	2,322.7073	61	766.46	A
	OLIVE	4,128.6493	41	895.30	A
	ORANGE	28,624.1240	213	4,293.86	A
	PARSLEY	1.4913	3	3.00	A
	PEACH	12,457.4013	255	3,580.26	A
	PEAR	2,416.2139	20	1,160.60	A
	PEAS	116.5009	6	95.00	A
	PEPPER, FRUITING	4,866.7706	107	3,084.10	A
	PEPPER, SPICE	1,607.1438	37	929.30	A
	PISTACHIO	12,404.9632	73	5,293.44	A
	PLUM	2,714.5904	31	752.18	A
	POME FRUIT	0.2500	1	0.10	A
	POTATO	527.7600	19	722.79	A
	PUBLIC HEALTH	0.5855			
	PUMPKIN	22.3344	8	45.50	A
	RANGELAND	2.5000	1	2.00	A
	RASPBERRY	120.4000	12	113.50	A
	REGULATORY PEST CONTROL	0.9850			
	RESEARCH COMMODITY	27.8372	2	160.00	A
		7.6596			
		0.0063	2	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	35.5031			
	RICE	29,467.8317	51	3,040.00	A
	RIGHTS OF WAY	236.0149			
	SORGHUM (FORAGE - FODDER)	238.6045	3	60.00	A
	SQUASH	72.6563	11	87.20	A
	SQUASH, SUMMER	9.9419	1	10.00	A
	STONE FRUIT	0.2500	1	0.15	A
	STRAWBERRY	3,812.9157	87	2,649.13	A
	STRUCTURAL PEST CONTROL	5,288.2582			



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<b>CARBARYL</b>					
	SUGARBEET	3,081.6010	83	4,902.00	A
	SWEET POTATO	14.0000	2	70.00	A
	SWISS CHARD	11.0396	15	18.55	A
	TANGELO	153.2000	4	16.70	A
	TANGERINE	18,962.6160	43	2,390.24	A
	TOMATO	3,855.0093	158	6,827.57	A
	TOMATO, PROCESSING	7,278.6683	171	10,173.63	A
	TURF/SOD	19.7757		2.75	A
	UNCULTIVATED AG	140.6474	6	102.00	A
	UNCULTIVATED NON-AG	878.0000	4	439.00	A
	WALNUT	761.1237	13	367.50	A
	WATERMELON	208.5226	30	223.82	A
	WHEAT	80.2000	3	108.00	A
	Chemical Total	240,071.3350	3,137		
<b>CARBENDAZIM</b>					
	LANDSCAPE MAINTENANCE	0.0008			
	Chemical Total	0.0008			
<b>CARBOFURAN</b>					
	ALFALFA	20,639.5301	840	46,531.83	A
	ARTICHOKE, GLOBE	136.9803	18	192.50	A
	CORN (FORAGE - FODDER)	11.1446	1	45.00	A
	GRAPE	3,286.0316	18	1,039.57	A
	GRAPE, WINE	4,542.5948	21	1,297.42	A
	N-OUTDR TRANSPLANTS	1,137.3568	57	738.43	A
	POTATO	245.1102	7	230.00	A
	STRUCTURAL PEST CONTROL	344.2440			
	WHEAT	10.6749	1	63.00	A
	Chemical Total	30,353.6673	963		
<b>CARBON</b>					
	ALMOND	28.6589	4	96.00	A
	CHERRY	4.4625	1	23.00	A
	LANDSCAPE MAINTENANCE	145.3988			
	N-OUTDR TRANSPLANTS	2.6775	3	8.00	A
	OAT (FORAGE - FODDER)	1.7500	1	70.00	A
	PEAR	1.5173	7	60.00	A
	RANGELAND	2.9155	1	5.00	A
	REGULATORY PEST CONTROL	15.7500			
	RESEARCH COMMODITY	0.0326			
	RIGHTS OF WAY	487.5935			
	STRUCTURAL PEST CONTROL	1.4316			
	VERTEBRATE CONTROL	344.6802			
	WALNUT	10.5000	1	30.00	A
	Chemical Total	1,047.3684	18		
<b>CARBON DIOXIDE</b>					
	ALMOND	6,500.0460		3,762,554.00	C
		5,870.7880		31,285.35	T
		2,227.4657		8,870,643.90	P
		657.3302		474,749.00	U
		483.8652		846.03	K
		22.5400		230.00	A
	TOTAL POUNDS ON THIS COMMODITY	15,762.0351			
	COMMODITY FUMIGATION	9,290.2138			
	CORN, HUMAN CONSUMPTION	76.8320		6,076.00	K
		11.3092		246,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	88.1412			
	DRIED FRUIT	5,281.2200		2,559,146.00	C
		1,593.4800		4,020.00	T
		2.7440		1,280.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,877.4440			
	FIG	612.5000		284,093.00	C

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<b>CARBON DIOXIDE</b>					
	FOOD PROCESSING PLANT	16,991.5000		2,090,855.00	C
		12,993.5000		2,120.78	K
	TOTAL POUNDS ON THIS COMMODITY	29,985.0000			
	FUMIGATION, OTHER	32,409.3535			
	GRAPE	8,270.8625		81,099.33	T
		3,598.2000		737,232.00	U
		1,211.4640		854,600.00	C
		503.7480		167,702.00	P
		66.6400		69,120.00	S
	TOTAL POUNDS ON THIS COMMODITY	13,650.9145			
	GRAPE, WINE	106.9465		6,782.00	U
		12.4950	1	42.00	A
	TOTAL POUNDS ON THIS COMMODITY	119.4415			
	LANDSCAPE MAINTENANCE	294.0000			
	PISTACHIO	4,945.3936		3,191,884.00	C
	RICE	125.4400		58,000.00	S
	RICE, WILD	21.5600		12,500.00	C
	RIGHTS OF WAY	41.1600			
	STORAGE AREA/BOX	266.5600		1,196.80	T
	STRUCTURAL PEST CONTROL	15,107.3400			
	TOMATO	1,293.6000		7,411.43	T
		147.0000		79,500.00	C
	TOTAL POUNDS ON THIS COMMODITY	1,440.6000			
	TOMATO, PROCESSING	1,127.0000		74,312.34	T
	UNKNOWN	62,968.5000		732,030.00	C
	WALNUT	6,530.7200		44,800.00	U
		765.3800		737,233.00	C
		17.3264		115.60	A
	TOTAL POUNDS ON THIS COMMODITY	7,313.4264			
	Chemical Total	202,446.0236	1		
<b>CARBON TETRACHLORIDE</b>					
	STRUCTURAL PEST CONTROL	0.2587			
	VERTEBRATE CONTROL	0.0009			
	Chemical Total	0.2596			
<b>CARBOPHENOTHION</b>					
	N-GRNHS FLOWER	0.0394	7	3.95	A
	PLUM	0.0741	2	20.00	A
	Chemical Total	0.1135	9		
<b>CARBOXIN</b>					
	BARLEY	223.9437		777,030.00	P
	COTTON	1,141.0305		706.60	T
		13.8900	14	913.40	A
	TOTAL POUNDS ON THIS COMMODITY	1,154.9205			
	FUMIGATION, OTHER	3.5896			
	OAT	18.0455		68,940.00	P
	ONION, DRY	299.4615		39,928.46	P
	RICE	61.0230		79.70	T
	STRUCTURAL PEST CONTROL	228.3121			
	WHEAT	526.5840		1,687,358.00	P
		45.1635		75.66	T
	TOTAL POUNDS ON THIS COMMODITY	571.7475			
	Chemical Total	2,561.0434	14		
<b>CARFENTHAZONE-ETHYL</b>					
	ALFALFA	0.0000	1	45.00	A
	BARLEY	75.0412	52	2,547.70	A
	BARLEY (FORAGE - FODDER)	10.7373	8	604.00	A
	BERMUDAGRASS	0.0250	1	35.00	A
	CORN (FORAGE - FODDER)	282.5522	455	23,402.60	A
	CORN, HUMAN CONSUMPTION	71.1947	165	6,554.55	A
	COTTON	2,300.6388	1,649	121,337.11	A

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<b>CARFENTHAZONE-ETHYL</b>					
	CUCUMBER	0.9300	1	30.00	A
	FORAGE HAY/SILAGE	5.3250	3	213.00	A
	GRAIN	0.8250	2	50.00	A
	LANDSCAPE MAINTENANCE	162.5593			
		0.2278	2	17.00	A
	TOTAL POUNDS ON THIS COMMODITY	162.7871			
	LETTUCE, LEAF	0.3375	1	13.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.5850	14	46.80	A
	OAT	149.8568	198	7,933.10	A
	OAT (FORAGE - FODDER)	1,040.1682	1,112	52,769.75	A
	PUBLIC HEALTH	0.0810	1	8.00	A
	PUMPKIN	0.0538	1	6.50	A
	RICE	8,246.6551	566	45,883.40	A
	RICE, WILD	135.2370	12	948.40	A
	RIGHTS OF WAY	13.2284			
		2.6807	5	36.59	A
	TOTAL POUNDS ON THIS COMMODITY	15.9091			
	SOIL FUMIGATION/PREPLANT	28.5646	25	1,190.00	A
	SORGHUM (FORAGE - FODDER)	4.3080	6	522.00	A
	SORGHUM/MILO	1.2623	6	153.00	A
	STRUCTURAL PEST CONTROL	1.8591			
	SUDANGRASS	0.9975	2	130.00	A
	TURF/SOD	8.5317	87	852.20	A
		0.0100	1	21,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.5417			
	UNCULTIVATED AG	94.6964	142	5,094.03	A
	WHEAT	995.3201	788	47,565.96	A
	WHEAT (FORAGE - FODDER)	680.2836	780	39,470.94	A
	Chemical Total	14,314.7731	6,086		
<b>CASEIN</b>					
	APPLE	0.2080	2	8.00	A
	AVOCADO	1.0920	3	48.00	A
	CHERRY	5.0440	4	82.00	A
	CITRUS	16.5930	22	306.50	A
	CORN (FORAGE - FODDER)	0.6500	4	166.00	A
	GRAPE	4.0040	12	304.00	A
	GRAPE, WINE	3.9000	5	253.00	A
	GRAPEFRUIT	14.0188	26	332.80	A
	LEMON	282.8037	166	4,037.79	A
	NECTARINE	5.1132	12	229.00	A
	OLIVE	153.3973	66	1,700.00	A
	ORANGE	1,966.1716	1,222	29,508.62	A
	PEACH	1.5600	3	60.00	A
	PLUM	2.1280	5	51.00	A
	STRAWBERRY	3.9825	7	84.00	A
	TANGELO	97.8631	69	1,617.00	A
	TANGERINE	12.8326	21	187.30	A
	TOMATO, PROCESSING	7.5000	1	60.00	A
	WALNUT	18.0000	1	60.00	A
	Chemical Total	2,596.8618	1,651		
<b>CASTOR OIL</b>					
	LANDSCAPE MAINTENANCE	313.7797			
	STRUCTURAL PEST CONTROL	49.2044			
	Chemical Total	362.9841			
<b>CHLORDANE</b>					
	LANDSCAPE MAINTENANCE	7.0688			
	STRUCTURAL PEST CONTROL	1.3726			
	Chemical Total	8.4414			

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<b>CHLORFENAPYR</b>					
	LANDSCAPE MAINTENANCE	10.3259			
	N-GRNHS FLOWER	25.7077	150	223.58	A
		2.0612	28	613,729.00	S
		0.0230		3,820.00	U
	TOTAL POUNDS ON THIS COMMODITY	27.7919			
	N-GRNHS PLANTS IN CONTAINERS	13.0023	125	129.64	A
		7.8351	81	3,612,795.00	S
	TOTAL POUNDS ON THIS COMMODITY	20.8374			
	N-GRNHS TRANSPLANTS	0.0802	1	31,000.00	S
	N-OUTDR FLOWER	5.5976	35	91.25	A
		0.0574	2	34,038.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.6550			
	N-OUTDR PLANTS IN CONTAINERS	4.2653	30	52.14	A
		0.8028	10	195,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.0681			
	N-OUTDR TRANSPLANTS	0.1194	2	33,500.00	S
	RESEARCH COMMODITY	0.4884			
		0.4204	9	2.45	A
	TOTAL POUNDS ON THIS COMMODITY	0.9088			
	STRUCTURAL PEST CONTROL	1,900.8637			
	VERTEBRATE CONTROL	2.0507			
	Chemical Total	1,973.7011	473		
<b>CHLORFLURENOL, METHYL ESTER</b>					
	LANDSCAPE MAINTENANCE	274.6917			
	RIGHTS OF WAY	2.3045			
	STRUCTURAL PEST CONTROL	0.4471			
	Chemical Total	277.4433			
<b>CHLORINE</b>					
	CARROT	486,372.3678		1,760,317.00	T
	ORANGE	5,495.9263	7	359.00	A
	POTATO	17,911.5423	5	728.00	A
	STRUCTURAL PEST CONTROL	99.5000			
	TOMATO	696.5000		1,050.00	A
	TOMATO, PROCESSING	3,980.0000		397,300.00	P
		1,990.0000		434,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,970.0000			
	Chemical Total	516,545.8364	12		
<b>CHLORMEQUAT CHLORIDE</b>					
	N-GRNHS FLOWER	22.4398	34	1,094,058.00	S
		5.9239	45	5.48	A
		0.2632	2	24,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	28.6269			
	N-GRNHS PLANTS IN CONTAINERS	387.2986	553	569.12	A
		337.5155	652	7,768,660.00	S
		5.7023	3	121,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	730.5164			
	N-GRNHS TRANSPLANTS	24.0430	138	1,598,068.00	S
		9.9588	36	12.78	A
	TOTAL POUNDS ON THIS COMMODITY	34.0018			
	N-OUTDR FLOWER	5.7610	7	217,770.00	S
		0.0149	1	0.09	A
	TOTAL POUNDS ON THIS COMMODITY	5.7759			
	N-OUTDR PLANTS IN CONTAINERS	168.2821	205	224.13	A
		51.3529	50	1,644,348.00	S
	TOTAL POUNDS ON THIS COMMODITY	219.6350			
	N-OUTDR TRANSPLANTS	16.8210	33	23.42	A
		0.0979	5	5,650.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.9189			
	RESEARCH COMMODITY	0.0172	9	0.10	A
	STRUCTURAL PEST CONTROL	1.1827			
	Chemical Total	1,036.6748	1,773		

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<b>ALPHA-CHLOROHYDRIN</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.0500	1	0.66	A
	Chemical Total	0.0500	1		
<b>5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE</b>					
	GRAPE, WINE	0.3434	1	84.37	A
	LANDSCAPE MAINTENANCE	28.8739			
	LUMBER, TREATED	1,278.8021			
	PEACH	0.0108	1	2.00	A
	STRUCTURAL PEST CONTROL	728.3664			
	WATER (INDUSTRIAL)	410.4187		19.00	U
		20.9957		18.00	A
	TOTAL POUNDS ON THIS COMMODITY	431.4144			
	Chemical Total	2,467.8110	2		
<b>CHLORONEB</b>					
	BEAN, DRIED	1,864.5389		17,637.00	C
		225.5847		70.00	T
	TOTAL POUNDS ON THIS COMMODITY	2,090.1236			
	COTTON	3,476.0339		833.90	T
		14.7441	1	16.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,490.7780			
	LANDSCAPE MAINTENANCE	48.7500			
	RIGHTS OF WAY	76.0196			
	STRUCTURAL PEST CONTROL	931.7077			
	Chemical Total	6,637.3789	1		
<b>CHLOROPHACINONE</b>					
	ALFALFA	0.0609	11	561.00	A
	ALMOND	0.0992	44	1,535.20	A
		0.0500		2,500.00	U
		0.0100	2	27,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.1592			
	ANIMAL PREMISE	0.8530		44.00	A
	APPLE	0.0063	7	514.00	A
	APRICOT	0.0005	1	5.00	A
	ARTICHOKE, GLOBE	13.1913	86	2,675.10	A
	AVOCADO	0.0024	6	306.00	A
	CHERRY	0.0149	40	1,286.00	A
	CHESTNUT	0.0002	2	4.00	A
	COMMODITY FUMIGATION	0.0003			
	CORN (FORAGE - FODDER)	0.0108	1	36.00	A
	CUCUMBER	0.0021	9	49.00	A
	FUMIGATION, OTHER	0.0005			
	GRAPE	0.0113	24	529.00	A
	GRAPE, WINE	0.3725	527	10,055.61	A
	GRAPEFRUIT	0.0002	1	6.00	A
	KIWI	0.0001	1	2.00	A
	LANDSCAPE MAINTENANCE	2.3558			
	LEMON	0.0138	10	242.20	A
	N-GRNHS PLANTS IN CONTAINERS	0.0045	2	28.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0031	13	51.25	A
	OLIVE	0.0045	6	57.00	A
	ORANGE	0.0378	47	1,570.18	A
	PASTURELAND	0.0495	8	190.00	A
	PEAR	0.0007	4	100.00	A
	PISTACHIO	0.0120	2	330.00	A
	PRUNE	0.0359	6	173.50	A
	PUBLIC HEALTH	0.0001			
	RANGELAND	0.2562	19	1,867.50	A
	REGULATORY PEST CONTROL	0.0040			
	RIGHTS OF WAY	0.6867			
		0.0008	2	7.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.6875			
	STRUCTURAL PEST CONTROL	1.0202			
	UNCULTIVATED AG	0.0058	2	15.00	A

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<b>CHLOROPHACINONE</b>					
	UNCULTIVATED NON-AG	0.0063	3	19.81	A
	VERTEBRATE CONTROL	4.9078			
		0.0150	9	4,318.52	A
	TOTAL POUNDS ON THIS COMMODITY	4.9228			
	WALNUT	0.0473	65	2,445.00	A
	Chemical Total	24.1543	960		
<b>CHLOROPICRIN</b>					
	ALMOND	11,027.7400	12	538.15	A
		68.4750		143,616.00	C
		49.3500	3	377,633.00	U
	TOTAL POUNDS ON THIS COMMODITY	11,145.5650			
	APPLE	2,445.9352	6	13.59	A
	BEET	3,395.6526	16	49.10	A
	BLACKBERRY	4,057.8590	8	30.90	A
	BLUEBERRY	597.0300	2	3.40	A
	BOYSENBERRY	183.4800	1	1.85	A
	BROCCOLI	9.6915	1	6.50	A
	CABBAGE	545.2800	1	4.00	A
	CANTALOUPE	16,417.6600	8	239.20	A
	CARROT	51,406.8674	26	1,978.10	A
	CAULIFLOWER	745.5000	1	5.00	A
	CELERY	13,081.9668	6	172.90	A
	CHERRY	25.6070	17	473.43	A
	CHIVE	6.2700	3	129,200.00	S
	CHRISTMAS TREE	640.0500	2	5.30	A
	COMMODITY FUMIGATION	5.2800			
	EGGPLANT	20,289.3682	61	209.79	A
	FUMIGATION, OTHER	20.8410			
	GRAPE	302.6326	3	57.47	A
	GRAPE, WINE	3,042.2972	5	47.00	A
	HERB, SPICE	862.5000	2	9.30	A
	LANDSCAPE MAINTENANCE	21.8900			
	LEMON	2,014.1074	1	13.00	A
	LETTUCE, HEAD	74,752.7568	40	619.20	A
	LETTUCE, LEAF	12,652.9883	19	191.30	A
	MELON	753.6243	2	17.50	A
	N-GRNHS FLOWER	12,342.7175	15	97.90	A
		0.1500	1	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12,342.8675			
	N-GRNHS PLANTS IN CONTAINERS	407.2200	2	7.40	A
	N-GRNHS TRANSPLANTS	3,036.0000	1	10.50	A
		5.9400	1	1,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,041.9400			
	N-OUTDR FLOWER	75,773.9781	264	814.67	A
		4.8850	9	101,380.00	S
	TOTAL POUNDS ON THIS COMMODITY	75,778.8631			
	N-OUTDR PLANTS IN CONTAINERS	68,524.6177	57	781.24	A
		218.8875	21	1,899,976.00	S
	TOTAL POUNDS ON THIS COMMODITY	68,743.5052			
	N-OUTDR TRANSPLANTS	194,955.4860	173	1,735.86	A
		14.1900	2	3,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	194,969.6760			
	NECTARINE	8,794.1500	8	294.00	A
	ONION, DRY	65,995.8813	62	1,225.30	A
	ORANGE	460.0000	1	2.30	A
	PEACH	6,280.5300	9	111.80	A
	PEPPER, FRUITING	230,059.1273	150	3,938.20	A
		451.2000	1	4.00	U
	TOTAL POUNDS ON THIS COMMODITY	230,510.3273			
	PIMENTO	3,552.1500	1	59.50	A
	PISTACHIO	10.9097	1	12.50	A
	PLUM	57.3550	2	22.50	A
	POTATO	15,291.5900	6	360.00	A
	PRUNE	651.6500	15	179.97	A
	RADISH	219.9864	1	4.70	A
	RASPBERRY	147,413.1414	94	1,027.60	A

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<b>CHLOROPICRIN</b>					
	RESEARCH COMMODITY	1,041.1500	2	8.30	A
		1.6368			
	TOTAL POUNDS ON THIS COMMODITY	1,042.7868			
	SOIL FUMIGATION/PREPLANT	465,907.8720	250	4,267.94	A
		262.5000	35	5,250.00	U
		0.1650	1	64.00	S
	TOTAL POUNDS ON THIS COMMODITY	466,170.5370			
	SQUASH	267.2566	2	4.60	A
	SQUASH, SUMMER	689.1733	2	12.80	A
	STRAWBERRY	3,258,348.1240	1,614	28,241.05	A
		581.6714	1	62,719.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,258,929.7954			
	STRUCTURAL PEST CONTROL	6,540.3266			
	SWEET POTATO	1,022.8260	5	6.85	A
	TOMATO	221,426.2139	62	2,880.02	A
		0.9000	2	18,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	221,427.1139			
	TURF/SOD	12,595.7060	21	205.39	A
	UNCULTIVATED AG	33,851.8747	12	268.30	A
	UNKNOWN	197.0100	1	2.00	A
	VEGETABLE	1,253.4600	3	7.80	A
	WALNUT	1,717.3500	21	477.25	A
		120.0000	11	278.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,837.3500			
	WATERMELON	75,617.5131	39	1,721.45	A
	Chemical Total	5,135,387.1726	3,227		
<b>CHLOROTHALONIL</b>					
	ALMOND	20,990.7410	175	7,603.75	A
	APRICOT	2,514.6841	47	1,133.40	A
	BEAN, SUCCULENT	426.8128	15	241.75	A
	BEAN, UNSPECIFIED	17.0703	7	14.00	A
	BOK CHOY	19.0800	2	21.00	A
	BROCCOLI	6,534.6147	506	6,216.26	A
		129.1756	49	1,866,240.00	S
	TOTAL POUNDS ON THIS COMMODITY	6,663.7903			
	BRUSSELS SPROUT	5,608.0091	309	4,183.19	A
	CABBAGE	2,012.9863	240	1,849.36	A
	CANTALOUPE	732.4834	10	407.50	A
	CARROT	21,986.2373	332	18,948.13	A
	CARROT (FORAGE - FODDER)	194.7563	1	120.00	A
	CAULIFLOWER	2,467.2144	236	2,237.75	A
	CELERY	40,457.7389	1,653	23,317.32	A
	CHERRY	391.6803	10	278.00	A
	CHINESE CABBAGE (NAPPA)	49.6657	12	44.56	A
	CHINESE GREENS	86.4000	24	120.00	A
	CORN, HUMAN CONSUMPTION	7.5244	1	5.00	A
	CUCUMBER	726.9050	16	486.50	A
	GAI LON	250.3130	25	233.00	A
	GRAPE	0.4440	1	17.00	A
	LANDSCAPE MAINTENANCE	70,044.9994			
	LEEK	486.8081	42	230.83	A
	MELON	50.1600	3	64.25	A
	MUSHROOM	174.2559	257	1,447,949.00	S
	N-GRNHS FLOWER	2,035.8663	510	1,396.79	A
		78.3477	45	1,214,650.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,114.2140			
	N-GRNHS PLANTS IN CONTAINERS	1,337.7650	595	1,002.87	A
		258.0468	233	6,544,558.00	S
		0.0898	3	170.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,595.9016			
	N-GRNHS TRANSPLANTS	809.3026	307	735.50	A
		257.3692	315	5,565,212.00	S
		0.7610		7.00	T
	TOTAL POUNDS ON THIS COMMODITY	1,067.4328			

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<b>CHLOROTHALONIL</b>					
	N-OUTDR FLOWER	11,200.7967	1,852	8,773.83	A
		1,665.1352	41	4,310,008.00	S
		536.6285	7	1,430,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	13,402.5604			
	N-OUTDR PLANTS IN CONTAINERS	5,829.4652	1,069	5,079.74	A
		82.8004	84	1,425,468.00	S
		42.1591	22	182,825.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,954.4247			
	N-OUTDR TRANSPLANTS	10,082.4644	1,213	11,852.05	A
		2,117.1005	45	5,372,850.00	U
		956.8729	342	15,769,346.00	S
	TOTAL POUNDS ON THIS COMMODITY	13,156.4378			
	NECTARINE	2,400.4562	78	950.75	A
	ONION, DRY	44,940.3016	732	33,990.98	A
	ONION, GREEN	941.5488	63	748.91	A
	PEACH	3,656.1080	102	1,435.39	A
	PISTACHIO	276.8966	3	230.00	A
	PLUM	3,268.4624	95	1,228.89	A
	POTATO	53,956.7886	773	51,096.35	A
	PRUNE	6,033.9047	41	2,152.03	A
	PUBLIC HEALTH	60.2759			
	PUMPKIN	994.0763	19	667.20	A
	RESEARCH COMMODITY	55.5904			
		0.1031	2	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	55.6935			
	RIGHTS OF WAY	3.5194			
		1.1250	1	2.00	A
	TOTAL POUNDS ON THIS COMMODITY	4.6444			
	SOIL FUMIGATION/PREPLANT	783.2965	5	420.70	A
	SQUASH	97.5265	10	69.85	A
	SQUASH, SUMMER	54.1800	7	55.00	A
	SQUASH, WINTER	278.8228	5	185.27	A
	SQUASH, ZUCCHINI	3.0609	3	1.75	A
	STRAWBERRY	2,172.9953	60	2,653.53	A
	STRUCTURAL PEST CONTROL	501.2506			
	TOMATO	71,566.1660	960	42,619.31	A
	TOMATO, PROCESSING	164,231.0267	1,319	94,490.21	A
	TURF/SOD	1,299.4660	34	1,053.21	A
	VERTEBRATE CONTROL	3.7454	4	5.00	A
		0.7500			
	TOTAL POUNDS ON THIS COMMODITY	4.4954			
	WATERMELON	194.8670	4	104.40	A
	Chemical Total	571,428.0420	14,976		
<b>3-CHLORO-P-TOLUIDINE HYDROCHLORIDE</b>					
	LANDSCAPE MAINTENANCE	0.0005			
	VERTEBRATE CONTROL	0.0850			
	Chemical Total	0.0855			
<b>CHLORPROPHAM</b>					
	N-OUTDR TRANSPLANTS	381.3859	12	166.24	A
	POTATO	2,281.8918		67,198.99	T
		51.7443		30,379.35	P
	TOTAL POUNDS ON THIS COMMODITY	2,333.6361			
	STRUCTURAL PEST CONTROL	145.9280			
	Chemical Total	2,860.9500	12		
<b>CHLORPYRIFOS</b>					
	ALFALFA	174,552.9225	5,475	377,885.96	A
	ALMOND	274,501.8164	2,523	153,321.44	A
	ANIMAL PREMISE	0.9586		0.55	A
	APPLE	11,162.4266	322	6,542.93	A
	APRICOT	13.2093	2	7.00	A
	ASPARAGUS	6,591.9044	133	6,660.43	A
	AVOCADO	74.6868	8	60.66	A



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<b>CHLORPYRIFOS</b>					
	BEAN, DRIED	721.9611		60,687.00	T
	BOK CHOY	732.2303	374	676.46	A
	BROCCOLI	61,227.9450	3,567	47,713.99	A
	BRUSSELS SPROUT	5,806.2495	451	6,145.61	A
	CABBAGE	2,830.7864	342	2,626.24	A
	CAULIFLOWER	14,853.8174	1,432	15,311.11	A
	CHERRY	1,555.4317	73	1,000.92	A
	CHINESE CABBAGE (NAPPA)	1,921.6975	521	1,805.05	A
	CITRUS	2,724.0170	58	625.10	A
	COLLARD	77.3550	33	104.50	A
	COMMODITY FUMIGATION	47.0801			
	CORN (FORAGE - FODDER)	33,950.7338	539	29,036.04	A
	CORN, HUMAN CONSUMPTION	9,999.7698	289	9,952.85	A
	COTTON	202,072.5980	1,913	223,128.98	A
		241.1822		5,762.80	T
	TOTAL POUNDS ON THIS COMMODITY	202,313.7802			
	CUCUMBER	71.9010		117,095.55	P
	FORAGE HAY/SILAGE	602.5878	26	894.30	A
	FUMIGATION, OTHER	155.6849			
		0.3250	3	0.85	A
	TOTAL POUNDS ON THIS COMMODITY	156.0099			
	GRAPE	59,879.7443	686	28,441.14	A
	GRAPE, WINE	54,117.1598	513	27,725.64	A
	GRAPEFRUIT	4,084.5841	203	1,532.60	A
	KALE	179.2083	82	138.71	A
	KOHLRABI	1.6650	5	3.33	A
	LANDSCAPE MAINTENANCE	4,712.8602			
		14.7307	11	124.00	A
		0.5628	5	44.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,728.1537			
	LEMON	52,848.1918	836	17,033.74	A
	LETTUCE, HEAD	10.8866	8	68.90	A
	LETTUCE, LEAF	7.4250	1	20.00	A
	LIME	8.5857	5	7.25	A
	MINT	1,834.3948	20	950.30	A
	MUSTARD	6.6750	14	13.08	A
	N-GRNHS FLOWER	721.3697	226	1,030.49	A
		56.1982	60	2,099,354.00	S
	TOTAL POUNDS ON THIS COMMODITY	777.5679			
	N-GRNHS PLANTS IN CONTAINERS	505.6485	417	620.19	A
		320.1080	470	20,384,509.00	S
		0.6789	6	40,239.00	U
	TOTAL POUNDS ON THIS COMMODITY	826.4354			
	N-GRNHS TRANSPLANTS	6.3063	23	199,100.00	S
		5.0652	15	26.73	A
		0.0623	2	2,666.00	U
	TOTAL POUNDS ON THIS COMMODITY	11.4338			
	N-OUTDR FLOWER	2,984.5022	697	4,325.55	A
		0.5750	3	87,472.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,985.0772			
	N-OUTDR PLANTS IN CONTAINERS	2,209.4952	1,662	3,588.56	A
		81.1044	179	2,328,328.50	S
		3.6188	14	21,622.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,294.2184			
	N-OUTDR TRANSPLANTS	181.3222	94	269.84	A
		0.0311	1	1,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	181.3533			
	NECTARINE	21,581.2921	898	11,710.08	A
	OAT (FORAGE - FODDER)	53.0781	1	10.00	A
	OLIVE	0.4985	1	4.00	A
	ONION, DRY	2,619.1674	58	2,813.95	A
	ONION, GREEN	44.9700	2	28.00	A
	ORANGE	316,205.8046	4,106	106,658.15	A
		21.4339	4	810.40	U
	TOTAL POUNDS ON THIS COMMODITY	316,227.2385			
	PEACH	31,956.1311	1,092	16,445.00	A
	PEAR	2,747.4366	71	1,817.68	A
	PECAN	1,294.8177	29	732.50	A

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<b>CHLORPYRIFOS</b>					
	PLUM	15,992.9563	696	8,564.64	A
	PRUNE	4,021.1025	55	2,032.00	A
	PUBLIC HEALTH	3,712.9491			
	RADISH	794.4054	159	469.73	A
	RAPPINI	591.3028	85	321.78	A
	RECREATION AREA	0.0233		0.05	A
	REGULATORY PEST CONTROL	1.8379			
	RESEARCH COMMODITY	23.1245			
		15.6506	15	208.34	A
		0.4625	4	16,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	39.2376			
	RICE	9.7467	1	49.50	A
	RIGHTS OF WAY	821.1040			
	SAFFLOWER	52.3386	1	35.00	A
	SOIL FUMIGATION/PREPLANT	101.0675	2	79.00	A
	SORGHUM (FORAGE - FODDER)	267.7116	3	268.00	A
	SORGHUM/MILO	466.9323	16	675.60	A
	SOYBEAN	182.2903	2	243.00	A
	STONE FRUIT	1.0002		2.50	A
	STRAWBERRY	9,029.2467	269	9,369.13	A
	STRUCTURAL PEST CONTROL	120,487.0937			
	SUDANGRASS	160.0793	1	160.00	A
	SUGARBEET	46,329.8220	1,010	76,118.77	A
	SUNFLOWER	397.2351	7	323.00	A
	SWEET POTATO	1,444.3278	30	735.40	A
	TANGELO	5,893.0613	106	1,443.47	A
	TANGERINE	6,961.6577	179	5,428.34	A
	TOMATO, PROCESSING	3.0624	1	34.00	A
	TURF/SOD	1,039.3359	59	899.01	A
		0.9004		18,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,040.2363			
	TURNIP	14.4705	34	15.88	A
		0.2644	5	15,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.7349			
	UNCULTIVATED NON-AG	51.8401	1	1.00	A
	VERTEBRATE CONTROL	6.0240			
	WALNUT	187,746.6792	3,237	102,775.43	A
	WHEAT	991.4876	22	1,471.50	A
	WHEAT (FORAGE - FODDER)	416.5763	12	896.90	A
	Chemical Total	1,775,827.8387	36,616		
<b>CHLORSULFURON</b>					
	BARLEY	32.3420	40	3,724.50	A
	COTTON	3.1406	2	225.00	A
	COUNTY AG COMM	12.4688	1	200.00	A
	FORAGE HAY/SILAGE	22.1838	31	2,109.20	A
	LANDSCAPE MAINTENANCE	296.5850			
	N-OUTDR PLANTS IN CONTAINERS	3.7645	14	142.90	A
	OAT	72.7753	62	5,540.00	A
	OAT (FORAGE - FODDER)	15.7979	15	841.79	A
	PASTURELAND	64.4936	11	1,076.50	A
	PUBLIC HEALTH	0.6750			
	RANGELAND	5.1269	7	152.50	A
		1.6641		57.00	C
	TOTAL POUNDS ON THIS COMMODITY	6.7910			
	REGULATORY PEST CONTROL	50.7845		900.08	A
		15.9355			
	TOTAL POUNDS ON THIS COMMODITY	66.7200			
	RIGHTS OF WAY	9,243.2981			
		6.5391	3	262.20	A
	TOTAL POUNDS ON THIS COMMODITY	9,249.8372			
	RYE	0.0155	1	0.50	A
	STRUCTURAL PEST CONTROL	34.5181			
	TURF/SOD	2.2266	4	42.50	A
	UNCULTIVATED AG	3.5742	2	78.63	A
	UNCULTIVATED NON-AG	2.2032	2	44.00	A
	UNKNOWN	0.7500			

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<b>CHLORSULFURON</b>					
	VERTEBRATE CONTROL	0.1406			
	WHEAT	86.9902	109	10,574.10	A
	WHEAT (FORAGE - FODDER)	0.2344	1	15.00	A
	Chemical Total	9,978.2275	305		
<b>CHLORTHAL-DIMETHYL</b>					
	BEAN, SUCCULENT	198.0000	1	40.00	A
	BOK CHOY	3,040.5411	334	683.19	A
	BROCCOLI	110,156.7444	2,425	34,380.25	A
	BRUSSELS SPROUT	360.4800	10	120.16	A
	CABBAGE	7,727.2009	233	1,719.01	A
	CANOLA (RAPE)	36.0000	2	6.00	A
	CAULIFLOWER	15,215.9620	501	5,933.64	A
	CHINESE CABBAGE (NAPPA)	3,832.6372	295	931.44	A
	CHINESE GREENS	324.0000	2	72.00	A
	COLE CROP	14.2500	2	8.50	A
	COLLARD	372.4470	35	63.31	A
	CUCUMBER	27.1406	2	6.00	A
	GAI LON	813.5180	28	186.80	A
	GARLIC	905.8500	7	160.80	A
	KALE	874.9557	89	185.91	A
	KOHLRABI	336.0899	70	91.32	A
	LANDSCAPE MAINTENANCE	43.9704			
	LEEK	429.6870	43	106.58	A
		7.5469	1	2,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	437.2339			
	LETTUCE, LEAF	10.5000	1	3.60	A
	MELON	33.0000	3	8.00	A
	MUSTARD	455.7438	52	84.99	A
	N-OUTDR FLOWER	5,058.1489	213	953.26	A
	N-OUTDR PLANTS IN CONTAINERS	330.0000	4	75.50	A
	ONION, DRY	42,442.6102	223	7,239.76	A
	ONION, GREEN	6,780.1165	173	1,044.15	A
	PEPPER, FRUITING	399.0000	2	62.00	A
	RADISH	3,770.7700	143	656.81	A
	RAPPINI	6,771.1907	173	2,916.77	A
	RESEARCH COMMODITY	13.4700			
	RIGHTS OF WAY	25.4118			
	SOIL FUMIGATION/PREPLANT	17.1750	3	3.70	A
	SQUASH, SUMMER	7.8487	1	1.73	A
	STRAWBERRY	54.0000	1	16.00	A
	STRUCTURAL PEST CONTROL	18.0000			
	TOMATO, PROCESSING	783.6750	2	165.00	A
	TURF/SOD	6,420.7200	31	564.56	A
	TURNIP	378.5319	11	84.92	A
	UNCULTIVATED NON-AG	1.8750	1	1.00	A
	WATERMELON	90.0000	1	15.00	A
	Chemical Total	218,578.8086	5,118		
<b>CHOLECALCIFEROL</b>					
	LANDSCAPE MAINTENANCE	0.6088			
	RIGHTS OF WAY	0.0103			
	STRUCTURAL PEST CONTROL	1.3792			
	VERTEBRATE CONTROL	0.0777			
	Chemical Total	2.0760			
<b>CHROMIC ACID</b>					
	LUMBER, TREATED	12,716.3981		535,880.00	U
		5,036.9000		62,533.56	C
	TOTAL POUNDS ON THIS COMMODITY	17,753.2981			
	Chemical Total	17,753.2981			

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<b>CINNAMALDEHYDE</b>					
	GRAPE, WINE	8.9628	7	10.39	A
	HERB, SPICE	0.4232	1	0.25	A
	LANDSCAPE MAINTENANCE	3.4153			
	N-GRNHS PLANTS IN CONTAINERS	8.9880	13	159,200.00	S
		0.7169	2	0.42	A
	TOTAL POUNDS ON THIS COMMODITY	9.7049			
	N-OUTDR PLANTS IN CONTAINERS	0.6542	2	4.75	A
		0.2589	1	6,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.9131			
	RASPBERRY	201.8537	4	79.19	A
	RESEARCH COMMODITY	2.5604			
	STRAWBERRY	98.3906	2	38.60	A
	STRUCTURAL PEST CONTROL	0.0498			
	Chemical Total	326.2738	32		
<b>CITRIC ACID</b>					
	ALFALFA	3,309.9047	1,819	106,722.73	A
	ALMOND	9,648.3290	1,272	87,294.38	A
	APPLE	1,029.5267	148	4,929.74	A
	APRICOT	45.9827	13	262.43	A
	ARRUGULA	0.5365	1	9.00	A
	ARTICHOKE, GLOBE	7.5073	22	87.00	A
	ASPARAGUS	261.0397	65	3,739.83	A
	AVOCADO	1.4929	4	18.50	A
	BARLEY	9.3389	20	1,135.00	A
	BEAN, DRIED	180.1314	120	6,321.43	A
	BEAN, SUCCULENT	10.5754	6	258.00	A
	BEAN, UNSPECIFIED	29.9357	8	915.00	A
	BERMUDAGRASS	1.1246	1	70.00	A
	BLUEBERRY	11.0154	20	674.33	A
	BROCCOLI	6.9432	3	104.00	A
	CABBAGE	1.3395	3	19.00	A
	CANOLA (RAPE)	1.1809	3	212.00	A
	CANTALOUPE	10.8640	10	308.00	A
	CARROT	63.4826	60	1,183.46	A
	CAULIFLOWER	10.7493	94	1,412.90	A
	CELERY	10.9684	86	1,080.90	A
	CHERRY	153.9699	155	4,986.75	A
	CHESTNUT	0.0533	4	32.50	A
	CITRUS	0.3071	1	11.00	A
	CLOVER	2.2758	4	116.40	A
	COMMODITY FUMIGATION	1.2755			
	CORN (FORAGE - FODDER)	232.2852	190	9,986.81	A
	CORN, HUMAN CONSUMPTION	1,069.4635	1,087	29,859.00	A
	COTTON	4,764.2624	2,220	181,223.39	A
	CUCUMBER	3.1223	9	210.20	A
	DITCH BANK	6.4374	2	112.00	A
	FORAGE HAY/SILAGE	3.2585	5	180.00	A
	GARLIC	42.6430	4	531.00	A
	GRAPE	707.1127	205	9,648.27	A
	GRAPE, WINE	1,374.0227	420	12,247.53	A
	GRAPEFRUIT	0.2851	1	5.00	A
	KALE	0.0933	2	4.00	A
	KIWI	2.6802	69	539.50	A
	LANDSCAPE MAINTENANCE	28.7608			
	LEMON	154.5209	58	2,889.21	A
	LETTUCE, HEAD	45.0968	227	3,455.50	A
	LETTUCE, LEAF	41.8905	3	159.00	A
	MELON	27.5254	28	2,010.00	A
	MINT	11.2396	13	577.60	A
	MUSTARD	1.1662	1	20.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0550	1	1.00	A
	N-OUTDR FLOWER	28.3486	128	722.84	A
	N-OUTDR PLANTS IN CONTAINERS	3.2819	11	93.27	A
	N-OUTDR TRANSPLANTS	2.1991	4	188.00	A
	NECTARINE	16.3382	17	141.84	A

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<b>CITRIC ACID</b>					
	OAT	20.1442	8	639.50	A
	OAT (FORAGE - FODDER)	26.7542	25	880.52	A
	OLIVE	10.1023	19	339.80	A
	ONION, DRY	118.4271	56	3,603.86	A
	ORANGE	357.7870	409	15,468.28	A
	PARSLEY	0.8572	7	21.00	A
	PASTURELAND	3.2178	11	325.00	A
	PEACH	498.7147	203	3,931.26	A
	PEAR	289.1513	56	1,613.16	A
	PEAS	0.6497	1	87.00	A
	PECAN	16.4720	28	403.85	A
	PEPPER, FRUITING	1.2574	9	258.50	A
	PISTACHIO	311.4647	84	4,993.89	A
	PLUM	65.5140	229	4,635.58	A
	POMEGRANATE	0.1618	1	157.00	A
	POTATO	105.0065	153	8,612.00	A
	PRUNE	78.3390	61	3,722.82	A
	PUMPKIN	9.2848	10	224.00	A
	RANGELAND	87.9778	16	623.00	A
	RESEARCH COMMODITY	0.8830	2	55.00	A
	RICE	1,652.4913	1,066	70,901.76	A
	RICE, WILD	4.9394	3	575.00	A
	RIGHTS OF WAY	850.7915			
		0.3475	2	13.00	A
	TOTAL POUNDS ON THIS COMMODITY	851.1390			
	RYEGRASS	17.3830	6	276.00	A
	SAFFLOWER	247.7251	26	3,068.80	A
	SOIL FUMIGATION/PREPLANT	142.4578	39	3,879.00	A
	SORGHUM (FORAGE - FODDER)	3.2654	1	56.00	A
	SORGHUM/MILO	1.8614	4	82.60	A
	SOYBEAN	155.0884	10	706.00	A
	SQUASH	7.0852	25	429.50	A
	STRAWBERRY	105.4966	19	525.58	A
	STRUCTURAL PEST CONTROL	0.2726			
	SUDANGRASS	13.8778	4	175.00	A
	SUGARBEET	185.0341	86	7,128.20	A
	SUNFLOWER	91.0717	56	3,314.50	A
	TANGELO	5.3553	9	244.78	A
	TANGERINE	86.1295	90	8,151.47	A
	TOMATO	101.8833	41	1,830.60	A
	TOMATO, PROCESSING	1,052.7215	413	25,483.27	A
	UNCULTIVATED AG	658.8395	353	20,885.28	A
	UNCULTIVATED NON-AG	8.4866	7	169.00	A
	UNKNOWN	0.2881	1	21.00	A
	VERTEBRATE CONTROL	0.1237	1	18.00	A
	WALNUT	1,351.8306	639	19,487.67	A
	WATERMELON	13.7332	28	1,134.00	A
	WHEAT	238.7049	165	10,563.30	A
	WHEAT (FORAGE - FODDER)	12.1494	18	744.40	A
	Chemical Total	32,387.5406	13,147		
<b>CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL</b>					
	ALMOND	3,877.9880	32	1,422.10	A
	APPLE	32.9567	12	54.00	A
	APRICOT	1,732.6967	11	559.50	A
	ARRUGULA	21.3945	4	31.60	A
	ARTICHOKE, GLOBE	23.2348	6	72.06	A
	ASPARAGUS	232.9698	8	346.00	A
	AVOCADO	152.8422	1	40.00	A
	BASIL, SWEET	26.3393	6	58.00	A
	BEAN, SUCCULENT	329.0405	6	179.49	A
	BEET	291.7769	44	283.21	A
	BLACKBERRY	49.6737	1	7.50	A
	BOK CHOY	48.5252	33	59.47	A
	BOYSENBERRY	9.5526	2	4.00	A
	BROCCOLI	2,403.1384	174	2,193.70	A
	CABBAGE	94.3406	70	113.94	A

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<b>CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL</b>					
	CANTALOUPE	974.7606	29	1,061.50	A
	CARROT	78.9812	8	47.33	A
	CAULIFLOWER	326.8910	34	172.13	A
	CELERY	1,105.4072	69	691.68	A
	CHICORY	169.9224	46	157.87	A
	CHINESE CABBAGE (NAPPA)	87.5977	9	91.70	A
	CHINESE GREENS	37.3699	8	36.50	A
	CHIVE	4.5454	5	11.72	A
	CILANTRO	1.4329	1	8.00	A
	COLLARD	22.1507	25	46.89	A
	CUCUMBER	11.5826	3	3.10	A
	DATE	38.2203	1	1,319.00	U
	DILL	11.4631	3	3.00	A
	EGGPLANT	12.4184	6	16.00	A
	ENDIVE (ESCAROLE)	211.3425	28	186.14	A
	FENNEL	0.9553	1	0.25	A
	GAI LON	1.9792	2	6.00	A
	GRAPE	151.6655	6	162.50	A
	GRAPE, WINE	1,180.9350	21	347.10	A
	HERB, SPICE	943.3008	197	330.67	A
		19.1052	4	312,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	962.4060			
	KALE	109.1897	70	182.44	A
	LANDSCAPE MAINTENANCE	120.8227			
	LEEK	27.8937	2	29.00	A
	LETTUCE, HEAD	1,831.3434	254	2,611.26	A
	LETTUCE, LEAF	20,885.1370	1,003	13,958.85	A
	MELON	2,207.0779	85	2,395.92	A
	MINT	15.8492	22	35.95	A
	MIZUNA	14.7493	2	15.40	A
	MUSTARD	862.0778	84	920.66	A
	N-GRNHS FLOWER	91.7596	11	21.75	A
		1.3857	2	13,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	93.1453			
	N-GRNHS PLANTS IN CONTAINERS	423.7938	71	71.57	A
		50.6212	32	317,190.00	S
	TOTAL POUNDS ON THIS COMMODITY	474.4150			
	N-GRNHS TRANSPLANTS	83.6112	22	42.25	A
		1.6717	2	42,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	85.2829			
	N-OUTDR FLOWER	93.5166	13	31.00	A
	N-OUTDR PLANTS IN CONTAINERS	1,396.5671	91	249.12	A
		35.9608	10	132,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,432.5279			
	N-OUTDR TRANSPLANTS	51.5841	49	1,553,400.00	S
		15.4505	16	11.57	A
	TOTAL POUNDS ON THIS COMMODITY	67.0346			
	NECTARINE	11.4631	1	3.00	A
	ONION, DRY	3,937.3764	87	2,340.30	A
	ONION, GREEN	1,380.6423	43	758.42	A
	ORANGE	9.5526	1	2.50	A
	PARSLEY	40.3121	9	19.24	A
	PEACH	382.5369	16	235.60	A
	PEPPER, FRUITING	1,602.8304	28	772.17	A
	PLUM	464.0670	15	208.39	A
	POMEGRANATE	141.1402	4	131.50	A
	POTATO	382.0100	17	260.58	A
	PUMPKIN	3.5727	1	3.74	A
	RAPPINI	1,863.3845	217	3,559.60	A
	RASPBERRY	4,687.9980	93	1,043.69	A
	REGULATORY PEST CONTROL	0.1591			
	RESEARCH COMMODITY	14.0059			
	RIGHTS OF WAY	0.0004			
	SAGE	9.2839	4	11.00	A
	SPINACH	1,240.0528	97	1,270.05	A
	SQUASH	47.4114	8	58.29	A
	SQUASH, SUMMER	93.3864	7	17.50	A
	STONE FRUIT	11.4631	1	3.00	A

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<b>CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL</b>					
	STRAWBERRY	2,844.4324	91	2,287.60	A
	STRUCTURAL PEST CONTROL	5.6397			
	SWISS CHARD	67.0240	88	191.39	A
	TOMATO	20,207.4198	110	7,262.00	A
		1.9106	2	16,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	20,209.3304			
	TURNIP	4.0407	3	2.10	A
	UNKNOWN	14.8353	5	25.17	A
	VEGETABLES, LEAFY	1,509.1255	45	533.72	A
	VERTEBRATE CONTROL	18.6276	1	13.00	A
	WALNUT	171.9474	1	45.00	A
	WATERMELON	674.0018	24	513.84	A
	Chemical Total	84,880.2138	3,776		
<b>CLETHODIM</b>					
	ALFALFA	11,191.6813	1,283	70,978.16	A
	ALMOND	17.9995	5	75.20	A
	BEAN, DRIED	307.3470	30	2,428.00	A
	BEAN, SUCCULENT	3.6604	1	32.00	A
	BOK CHOY	1.4642	1	12.00	A
	BROCCOLI	114.7333	32	1,009.05	A
	BRUSSELS SPROUT	2.9576	5	22.92	A
	CABBAGE	7.8089	3	78.00	A
	CANOLA (RAPE)	11.7133	1	144.00	A
	CANTALOUPE	65.4386	14	977.00	A
	CARROT	115.4133	21	967.00	A
	CAULIFLOWER	3.9044	3	61.00	A
	CELERY	23.6512	7	185.00	A
	CHERRY	2.0742	1	16.00	A
	CHRISTMAS TREE	0.0915	1	3.00	A
	CLOVER	0.1983	1	3.00	A
	COLLARD	0.9982	2	8.18	A
	COTTON	4,831.6859	611	34,377.87	A
	CUCUMBER	7.5551	2	95.00	A
	EGGPLANT	0.9914	1	10.00	A
	GARLIC	90.9441	10	814.00	A
	GRAPE, WINE	5.8567	2	108.00	A
	KALE	1.1323	4	8.75	A
	LANDSCAPE MAINTENANCE	27.4195			
	LETTUCE, LEAF	61.4783	20	533.15	A
	MELON	3.8849	4	78.00	A
	MINT	31.6561	8	304.00	A
	MUSTARD	1.9522	1	35.00	A
	N-GRNHS FLOWER	0.0323	1	13,580.00	S
	N-GRNHS PLANTS IN CONTAINERS	10.3760	1	40.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.1395	3	11,310.00	S
		0.0152	1	0.04	A
	TOTAL POUNDS ON THIS COMMODITY	0.1547			
	NECTARINE	41.5579	6	170.30	A
	OAT (FORAGE - FODDER)	37.5802	1	154.00	A
	ONION, DRY	943.0683	112	7,369.19	A
	PASTURELAND	2.1962	1	12.00	A
	PEPPER, FRUITING	4.6670	1	36.00	A
	PISTACHIO	8.9070	3	44.00	A
	PLUM	32.2726	5	136.00	A
	POTATO	60.1117	10	503.00	A
	RADISH	0.4881	1	4.00	A
	RESEARCH COMMODITY	0.0152			
	RIGHTS OF WAY	3.2944			
	SQUASH	8.7459	2	67.50	A
	STRAWBERRY	5.9443	6	52.50	A
	STRUCTURAL PEST CONTROL	0.1868			
	SUGARBEET	1,819.7580	303	20,563.52	A
	SUGARBEET (FORAGE - FODDER)	23.2412	3	168.00	A
	SUNFLOWER	18.3021	3	100.00	A
	SWEET POTATO	53.9301	8	302.00	A

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<b>CLETHODIM</b>					
	TOMATO	46.3804	12	468.75	A
	TOMATO, PROCESSING	366.0841	37	2,636.64	A
	UNCULTIVATED AG	10.9812	1	60.00	A
	UNCULTIVATED NON-AG	0.4881	1	2.00	A
	WALNUT	10.6982	2	72.00	A
	WATERMELON	10.3996	3	119.00	A
	WHEAT	4.5301	1	33.00	A
	Chemical Total	20,460.0834	2,602		
<b>CLOFENTEZINE</b>					
	ALMOND	3,430.0580	282	19,519.09	A
	APPLE	15.0637	2	58.00	A
	APRICOT	61.3189	8	263.93	A
	CHERRY	744.2225	146	3,849.60	A
	N-GRNHS TRANSPLANTS	0.3335	3	2.57	A
	N-OUTDR PLANTS IN CONTAINERS	0.2598	1	1.25	A
	N-OUTDR TRANSPLANTS	19.4583	8	195.50	A
	NECTARINE	698.6199	231	3,221.93	A
	PEACH	1,735.7046	539	10,041.94	A
	PEAR	309.4044	30	1,806.80	A
	WALNUT	1,120.5455	214	6,973.36	A
	Chemical Total	8,134.9891	1,464		
<b>CLOMAZONE</b>					
	RICE	49,625.4720	1,181	85,700.45	A
	Chemical Total	49,625.4720	1,181		
<b>CLOPYRALID</b>					
	LANDSCAPE MAINTENANCE	12.0300			
	Chemical Total	12.0300			
<b>CLOPYRALID, MONOETHANOLAMINE SALT</b>					
	BARLEY	44.6585	2	370.00	A
	BERMUDAGRASS	4.9401	1	35.00	A
	FORAGE HAY/SILAGE	40.2595	3	204.00	A
	FOREST, TIMBERLAND	76.0201	20	270.90	A
	GRASS, SEED	3.3198	3	21.60	A
	LANDSCAPE MAINTENANCE	1,608.4606			
		3.1587	2	22.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,611.6193			
	MINT	52.2111	7	342.00	A
	N-OUTDR PLANTS IN CONTAINERS	26.3534	8	137.00	A
	N-OUTDR TRANSPLANTS	5.4150	10	23.10	A
	PASTURELAND	757.2567	97	6,607.50	A
	PUBLIC HEALTH	1.4871	1	8.00	A
	RANGELAND	2,598.5787	221	19,958.46	A
		0.0463	1	6,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,598.6250			
	RECREATION AREA	1.7586	2	68.20	A
	REGULATORY PEST CONTROL	312.2253			
		261.6302		609.14	A
	TOTAL POUNDS ON THIS COMMODITY	573.8555			
	RIGHTS OF WAY	2,356.8759			
		3.4611	4	161.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,360.3370			
	STRUCTURAL PEST CONTROL	9.2905			
	SUGARBEET	1,555.9212	191	14,884.05	A
	TURF/SOD	1.8639	1	15.00	A
	UNCULTIVATED AG	7.9419	2	78.50	A
	UNCULTIVATED NON-AG	45.2464	14	292.25	A
	WALNUT	0.0865	1	10.00	A
	WHEAT	17.8788	3	381.00	A
	Chemical Total	9,796.3459	594		



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<b>CLOPYRALID, TRIETHYLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	659.7151			
	N-GRNHS PLANTS IN CONTAINERS	0.1436	1	30,000.00	S
	N-OUTDR FLOWER	3.1398	2	14.13	A
	PASTURELAND	14.0215	5	52.90	A
	PEAR	0.0070	2	44.00	A
	RANGELAND	92.6634	2	358.00	A
	RECREATION AREA	0.4309	1	4.00	A
	RIGHTS OF WAY	6.6388			
	STRUCTURAL PEST CONTROL	1.4006			
	TURF/SOD	1.8268	2	2.00	A
	UNCULTIVATED AG	40.6544	1	182.00	A
	Chemical Total	820.6419	16		
<b>COAL TAR NEUTRAL OILS AND COAL TAR ACID COMBINATIONS</b>					
	STRUCTURAL PEST CONTROL	0.2007			
	Chemical Total	0.2007			
<b>COCONUT DIETHANOLAMIDE</b>					
	ALFALFA	156.8864	550	28,476.03	A
	ALMOND	4,027.2861	850	64,302.56	A
	APPLE	4.6077	39	447.50	A
	APRICOT	9.7425	16	202.92	A
	ARRUGULA	0.0185	1	1.50	A
	ARTICHOKE, GLOBE	0.7969	8	116.30	A
	ASPARAGUS	10.1310	30	1,617.00	A
	AVOCADO	9.9667	247	1,859.80	A
	BEAN, DRIED	12.8510	47	2,865.60	A
	BEAN, SUCCULENT	8.5372	41	1,805.10	A
	BEAN, UNSPECIFIED	6.5293	38	1,189.80	A
	BEET	0.0185	1	1.50	A
	BLACKBERRY	3.1855	43	325.82	A
	BLUEBERRY	0.1962	5	24.10	A
	BOK CHOY	1.5989	147	243.46	A
	BROCCOLI	208.4161	2,131	25,004.37	A
		0.0937	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	208.5098			
	BRUSSELS SPROUT	0.2674	7	36.50	A
	CABBAGE	27.0437	299	2,447.65	A
	CANTALOUPE	4.9502	16	893.50	A
	CARROT	4.7356	63	558.60	A
	CAULIFLOWER	49.6165	573	5,049.05	A
	CELERIAC	0.0407	1	5.00	A
	CELERY	82.8553	812	6,504.80	A
	CHERRY	15.0251	38	902.50	A
	CHICORY	0.9553	9	63.90	A
	CHINESE CABBAGE (NAPPA)	8.5590	368	1,198.64	A
	CHIVE	0.0690	17	16.50	A
	CHRISTMAS TREE	0.3720	1	14.00	A
	CILANTRO	0.0926	2	13.60	A
	CITRUS	0.5373	5	70.00	A
	COLE CROP	0.0407	1	5.00	A
	COLLARD	0.2747	1	17.00	A
	CORN (FORAGE - FODDER)	93.4506	72	4,293.25	A
	CORN, HUMAN CONSUMPTION	3.0170	20	654.50	A
	COTTON	372.0780	1,247	48,692.23	A
	CUCUMBER	11.7692	48	1,546.15	A
	EGGPLANT	0.0244	1	10.00	A
	ENDIVE (ESCAROLE)	1.5214	43	201.90	A
	FENNEL	1.0818	22	169.50	A
	FIG	7.8982	19	1,900.00	A
	FORAGE HAY/SILAGE	0.7712	6	235.00	A
	FUMIGATION, OTHER	0.2402			
	GARLIC	0.5904	1	180.00	A
	GRAPE	709.2925	1,056	48,257.15	A
	GRAPE, WINE	656.2848	988	59,097.83	A
	GRAPEFRUIT	0.9024	5	69.00	A

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<b>COCONUT DIETHANOLAMIDE</b>					
	HERB, SPICE	0.5646	93	185.55	A
	KALE	0.2683	10	32.38	A
	KOHLRABI	0.0108	1	2.00	A
	LANDSCAPE MAINTENANCE	105.4405			
		0.0328	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	105.4733			
	LEMON	71.3724	50	1,074.60	A
	LETTUCE, HEAD	584.1236	4,814	60,569.08	A
	LETTUCE, LEAF	400.2637	3,523	31,529.21	A
	LIME	0.0563	1	7.00	A
	MELON	3.5442	16	808.90	A
	MINT	0.0122	3	5.00	A
	MUSTARD	0.7851	43	63.80	A
	N-GRNHS FLOWER	25.3474	544	1,587.62	A
		21.9731	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	47.3205			
	N-GRNHS PLANTS IN CONTAINERS	18.4578	683	1,719.23	A
		2.0675	243	5,930,801.82	S
		0.0092	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	20.5345			
	N-GRNHS TRANSPLANTS	0.6232	7	960,000.00	S
		0.2999	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.9231			
	N-OUTDR FLOWER	25.0111	718	3,574.78	A
		0.2087	24	145,460.00	S
		0.2029	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	25.4227			
	N-OUTDR PLANTS IN CONTAINERS	21.5352	1,068	1,197.72	A
		3.4138	278	15,457,544.50	S
		0.6662	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	25.6152			
	N-OUTDR TRANSPLANTS	13.4249	259	28,614,935.00	S
		0.2255	1	180,000.00	U
		0.0553	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	13.7057			
	NECTARINE	42.3764	274	4,837.03	A
	OAT	0.1968	1	45.00	A
	OAT (FORAGE - FODDER)	0.0656	1	20.00	A
	OLIVE	390.4977	64	1,224.00	A
	ONION, DRY	67.4013	118	2,497.68	A
	ONION, GREEN	2.5747	45	247.90	A
	ORANGE	1,244.3621	456	13,382.22	A
	PARSLEY	0.3884	13	71.80	A
	PEACH	165.2515	340	7,595.93	A
	PEAR	2.1208	13	72.50	A
	PEAS	1.8880	22	221.95	A
	PECAN	0.4264	3	30.00	A
	PEPPER, FRUITING	21.9126	215	3,252.55	A
	PEPPER, SPICE	1.9412	17	371.50	A
	PERSIMMON	0.3216	8	60.50	A
	PISTACHIO	507.9656	310	23,303.10	A
	PLUM	19.8202	153	2,711.63	A
	POMEGRANATE	0.2624	4	26.00	A
	POTATO	8.0878	34	1,576.80	A
	POULTRY	0.6301		32.00	U
	PRUNE	207.9134	45	1,812.80	A
	PUMPKIN	0.6588	12	103.85	A
	RADISH	0.2788	26	13.50	A
	RAPPINI	12.0816	28	360.00	A
	RASPBERRY	14.8411	140	2,106.19	A
	RESEARCH COMMODITY	0.1046			
	RICE	5.9666	1	45.00	A
	RIGHTS OF WAY	46.5749			
	SAGE	0.0406	8	12.00	A
	SORGHUM/MILO	0.3844	2	78.12	A
	SPINACH	0.7277	24	145.32	A

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<b>COCONUT DIETHANOLAMIDE</b>					
	SQUASH	3.9031	44	581.70	A
	SQUASH, SUMMER	1.6966	20	222.10	A
	SQUASH, WINTER	7.3457	2	43.00	A
	STRAWBERRY	363.9497	1,050	23,748.27	A
	STRUCTURAL PEST CONTROL	55.3574			
	SUDANGRASS	0.5543	3	52.00	A
	SUGARBEET	5.9580	35	2,149.00	A
	SUNFLOWER	0.4968	4	100.70	A
	TANGELO	10.4674	23	215.75	A
	TANGERINE	2.5339	14	490.00	A
	TARRAGON	0.0284	7	7.00	A
	TOMATILLO	0.2408	2	30.00	A
	TOMATO	19.8197	78	4,344.40	A
	TOMATO, PROCESSING	62.6954	118	7,731.20	A
	TURNIP	0.2276	25	18.50	A
	UNCULTIVATED AG	2.8507	26	384.60	A
	UNCULTIVATED NON-AG	1.1034	3	23.00	A
	UNKNOWN	0.0081	2	3.00	A
	VEGETABLES, LEAFY	0.1590	2	13.50	A
	VERTEBRATE CONTROL	0.8528			
		0.1910	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	1.0438			
	WALNUT	475.7491	309	9,128.65	A
	WATERMELON	16.9272	72	2,791.70	A
	WHEAT	15.0794	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	0.7144	5	207.40	A
	Chemical Total	11,632.1892	27,160		
<b>COCONUT IMIDAZOLINE SODIUM CARBOXYLATE</b>					
	ALFALFA	7.5459	69	4,180.00	A
	ALMOND	7.0484	12	732.00	A
	BEAN, SUCCULENT	0.4352	2	162.00	A
	CANTALOUPE	1.1216	5	380.00	A
	CORN (FORAGE - FODDER)	0.0967	4	72.00	A
	COTTON	3.1457	29	1,654.40	A
	EGGPLANT	0.0168	1	10.00	A
	GRAPE	0.4298	4	96.00	A
	GRAPE, WINE	2.1491	2	319.00	A
	LEMON	0.3358	2	55.00	A
	MELON	0.2639	6	84.00	A
	NECTARINE	0.7824	5	79.50	A
	ORANGE	1.4775	7	55.00	A
	PEACH	0.3756	4	29.90	A
	PEPPER, FRUITING	0.3761	2	112.00	A
	PLUM	0.3374	4	50.20	A
	POMEGRANATE	0.0645	1	16.00	A
	POTATO	0.2525	5	215.00	A
	SORGHUM/MILO	0.0930	2	138.00	A
	TOMATO, PROCESSING	0.0126	1	60.00	A
	WALNUT	0.9443	4	97.00	A
	Chemical Total	27.3048	171		
<b>CONIOTHYRIUM MINITANS STRAIN CON/M/91-08</b>					
	CARROT	75.1222	7	709.20	A
	CELERY	2.3442	2	39.03	A
	LETTUCE, HEAD	46.4169	22	450.84	A
	LETTUCE, LEAF	34.7770	17	326.92	A
	PEPPER, FRUITING	0.2650	1	5.00	A
	SOIL FUMIGATION/PREPLANT	16.5572	4	158.20	A
	UNCULTIVATED AG	22.4190	9	92.00	A
	Chemical Total	197.9015	62		

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<b>COPPER</b>					
	GRAPE	59,010.5010	634	23,762.78	A
	GRAPE, WINE	3,755.2083	240	7,849.05	A
	GRAPEFRUIT	56.2500	2	15.00	A
	LANDSCAPE MAINTENANCE	1,292.1213			
	LEMON	214.4250	6	62.00	A
	N-GRNHS FLOWER	0.0225		22.50	A
	N-GRNHS PLANTS IN CONTAINERS	15.0000	1	5.00	A
	N-GRNHS TRANSPLANTS	0.0225	2	1.00	A
	N-OUTDR FLOWER	6.3000	3	3.00	A
	N-OUTDR PLANTS IN CONTAINERS	1.6850	2	2.00	A
	ORANGE	7,872.0700	108	2,411.15	A
	PEAR	684.5040	28	934.39	A
	RIGHTS OF WAY	0.0150			
	STRUCTURAL PEST CONTROL	47.8827			
	TANGELO	236.2500	3	63.00	A
	TANGERINE	200.0000	2	80.00	A
	WATER AREA	145.0257		268.99	A
	Chemical Total	73,537.2830	1,031		
<b>COPPER AMMONIUM CARBONATE</b>					
	LANDSCAPE MAINTENANCE	0.0664			
	LUMBER, TREATED	68,455.1670		5,050,501.00	U
	Chemical Total	68,455.2334			
<b>COPPER AMMONIUM COMPLEX</b>					
	ALMOND	11.4944	1	475.00	A
	APRICOT	0.2854	2	0.35	A
	BLUEBERRY	0.0605	1	0.25	A
	CHERRY	0.7585	1	5.00	A
	GRAPE	0.7744	1	2.00	A
	GRAPE, WINE	0.7586	2	2.00	A
	GRAPEFRUIT	1.4422	2	12.75	A
	LANDSCAPE MAINTENANCE	649.7822			
	LEMON	82.5823	55	182.72	A
	N-OUTDR PLANTS IN CONTAINERS	76.6952	19	104.45	A
		1.5881	8	3,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	78.2833			
	OLIVE	3.8718	1	4.00	A
	ORANGE	188.7702	37	1,031.05	A
	PEACH	2.6619	4	3.10	A
	PEAR	10.6474	4	55.00	A
	STRUCTURAL PEST CONTROL	28.7109			
	TANGERINE	1.5487	1	12.00	A
	WALNUT	123.8971	5	80.00	A
	Chemical Total	1,186.3298	144		
<b>COPPER CARBONATE, BASIC</b>					
	GRAPE, WINE	11.1780	2	25.00	A
	LANDSCAPE MAINTENANCE	3,909.0516			
	N-GRNHS PLANTS IN CONTAINERS	0.0852	1	40,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	43.6280	3	5.30	A
	RECREATION AREA	4.5778		2.75	A
	RIGHTS OF WAY	5,889.2936			
	STRUCTURAL PEST CONTROL	49.1014			
	WATER AREA	1,082.8305	11	212.26	A
		0.3142		5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,083.1447			
	Chemical Total	10,990.0603	17		
<b>COPPER ETHANOLAMINE COMPLEXES, MIXED</b>					
	CHINESE GREENS	0.3700	1	0.17	A
	LANDSCAPE MAINTENANCE	5,577.4727			
	LUMBER, TREATED	18,098.0198		4,195,684.00	U
	N-GRNHS PLANTS IN CONTAINERS	9.2870	4	166,500.00	S

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<b>COPPER ETHANOLAMINE COMPLEXES, MIXED</b>					
	N-OUTDR PLANTS IN CONTAINERS	3.9149	6	5.09	A
	N-OUTDR TRANSPLANTS	3.7000	2	72,000.00	S
	PUBLIC HEALTH	2.4746			
	RIGHTS OF WAY	8,177.9523			
	STRUCTURAL PEST CONTROL	139.5192			
	TROPICAL/SUBTROPICAL FRUIT	0.3700	1	0.75	A
	UNKNOWN	302.9365		85.00	A
	VERTEBRATE CONTROL	3.6172			
	WATER (INDUSTRIAL)	1.8086		2.00	A
	WATER AREA	1,424.1072	20	7,552.38	A
		86.6500		162.50	U
		2.3418		43,966.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,513.0990			
	Chemical Total	33,834.5418	34		
<b>COPPER ETHYLENEDIAMINE COMPLEX</b>					
	LANDSCAPE MAINTENANCE	608.7397			
	REGULATORY PEST CONTROL	2.8455			
	RIGHTS OF WAY	8,663.0067			
	STRUCTURAL PEST CONTROL	69.5122			
	WATER AREA	9,097.5595		901.30	A
	Chemical Total	18,441.6636			
<b>COPPER HYDROXIDE</b>					
	ALFALFA	3,848.8766	37	2,601.26	A
	ALMOND	515,255.3719	2,447	135,868.67	A
	APPLE	8,070.3211	119	2,962.09	A
		2.1656	1	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	8,072.4867			
	APRICOT	27,762.2518	256	7,173.60	A
		0.2406	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	27,762.4924			
	ARTICHOKE, GLOBE	4.3040	1	4.00	A
	AVOCADO	2,134.4982	3	504.20	A
	BEAN, SUCCULENT	40.0902	8	52.00	A
	BEAN, UNSPECIFIED	1.1857	1	4.00	A
	BEET	89.5820	82	152.45	A
	BLACKBERRY	234.4847	14	108.16	A
	BLUEBERRY	175.1860	4	70.50	A
	BOYSENBERRY	91.9980	2	46.00	A
	BROCCOLI	1,556.5245	94	1,761.54	A
	BRUSSELS SPROUT	611.8805	78	687.50	A
	CABBAGE	382.8797	234	681.03	A
	CANTALOUPE	23.9460	1	19.50	A
	CARROT	21,134.5322	376	22,794.66	A
	CAULIFLOWER	581.0355	88	752.91	A
	CELERIAC	105.2597	124	158.22	A
	CELERY	17,841.2256	1,786	18,285.08	A
	CHERRY	34,241.0195	376	6,395.18	A
		0.2406	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	34,241.2601			
	CHINESE CABBAGE (NAPPA)	17.3505	3	26.00	A
	CHIVE	1.6140	3	1.47	A
	CITRUS	1,250.2608	46	359.03	A
	COLLARD	34.6565	35	84.50	A
	CORN, HUMAN CONSUMPTION	2.4560	1	2.00	A
	CUCUMBER	91.5766	47	98.00	A
	DANDELION GREEN	16.1700	1	14.00	A
	DILL	40.1270	14	32.94	A
	EGGPLANT	9.8046	3	2.25	A
	ENDIVE (ESCAROLE)	93.7980	24	169.10	A
	FORAGE HAY/SILAGE	19.7546	2	42.00	A
	GRAPE	163,371.3884	3,241	144,708.99	A
	GRAPE, WINE	189,503.5776	6,149	213,433.10	A
		0.0641	1	1,812.00	S
	TOTAL POUNDS ON THIS COMMODITY	189,503.6417			

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<b>COPPER HYDROXIDE</b>					
	GRAPEFRUIT	7,977.2549	78	1,900.83	A
	KALE	10.3319	25	30.54	A
	LANDSCAPE MAINTENANCE	4,041.9766			
	LEMON	17,830.0701	238	5,077.38	A
	LETTUCE, HEAD	1,223.8395	223	2,119.50	A
	LETTUCE, LEAF	1,263.7872	251	1,972.16	A
	MUSTARD	1,309.6924	159	668.36	A
	N-GRNHS FLOWER	93.6102	14	49.03	A
	N-GRNHS PLANTS IN CONTAINERS	687.0745	245	432.29	A
		134.4867	68	1,738,318.00	S
	TOTAL POUNDS ON THIS COMMODITY	821.5612			
	N-GRNHS TRANSPLANTS	921.2694	515	1,129.51	A
		253.9906	178	4,864,505.00	S
		11.3856	3	55.00	U
		11.2959		7.40	T
	TOTAL POUNDS ON THIS COMMODITY	1,197.9415			
	N-OUTDR FLOWER	599.9458	85	470.90	A
		97.9741		61.70	P
		74.3702			
		0.2033	2	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	772.4934			
	N-OUTDR PLANTS IN CONTAINERS	13,211.2998	1,420	8,203.95	A
		95.3819	26	1,957,545.00	U
		48.9193	26	796,113.00	S
	TOTAL POUNDS ON THIS COMMODITY	13,355.6010			
	N-OUTDR TRANSPLANTS	29,769.8843	1,140	12,692.17	A
		512.3080	423	18,390,677.87	S
		18.4200	1	7.50	U
	TOTAL POUNDS ON THIS COMMODITY	30,300.6123			
	NECTARINE	101,547.8217	1,206	16,345.46	A
	OLIVE	41,359.8511	322	7,230.50	A
		3.2280	1	600.00	U
	TOTAL POUNDS ON THIS COMMODITY	41,363.0791			
	ONION, DRY	18,865.2792	349	16,590.25	A
	ONION, GREEN	948.3235	66	700.01	A
	ORANGE	259,963.5488	3,187	76,207.73	A
	PARSLEY	309.8794	276	459.46	A
	PEACH	182,845.1606	1,908	30,568.69	A
		3.5015	2	29.00	U
	TOTAL POUNDS ON THIS COMMODITY	182,848.6621			
	PEAR	14,670.1043	291	7,320.94	A
		1.2031	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	14,671.3074			
	PEAS	754.6586	119	822.10	A
	PEPPER, FRUITING	5,620.7694	175	6,423.41	A
	PEPPER, SPICE	504.2640	18	795.50	A
	PERSIMMON	20.6843	2	8.90	A
		0.4813	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	21.1656			
	PISTACHIO	9,682.5990	52	4,217.84	A
	PLUM	42,378.8715	575	7,855.41	A
		0.7219	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	42,379.5934			
	POTATO	7,352.8317	141	6,217.07	A
	PRUNE	13,646.4021	106	3,839.10	A
	QUINCE	216.4795	23	324.00	A
	RADISH	304.8900	47	271.95	A
	RAPPINI	0.0041	1	7.00	A
	RASPBERRY	44.1120	3	17.00	A
	REGULATORY PEST CONTROL	0.0082			
	RESEARCH COMMODITY	386.4180			
		3.0386	3	2.75	A
		0.0945	5	17,620.00	S
	TOTAL POUNDS ON THIS COMMODITY	389.5511			
	RICE	2,373.8000	1	286.00	A
	RIGHTS OF WAY	2,234.6049			
	SOIL FUMIGATION/PREPLANT	233.3622	7	378.50	A
	SPINACH	632.7528	49	432.50	A

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<b>COPPER HYDROXIDE</b>					
	SQUASH	108.7675	17	167.90	A
	STONE FRUIT	56.0240	2	12.50	A
	STRAWBERRY	1,015.3015	32	1,154.74	A
	STRUCTURAL PEST CONTROL	421.2760			
	SUGARBEET	1,505.2499	5	484.00	A
	TANGELO	4,338.0640	66	1,213.10	A
	TANGERINE	2,296.8536	70	860.74	A
	TOMATO	29,565.6651	402	19,576.45	A
	TOMATO, PROCESSING	15,727.0548	222	14,249.48	A
	TURF/SOD	8.0124	4	11.50	A
	TURNIP	280.4813	46	116.89	A
	UNCULTIVATED AG	215.4000	2	80.00	A
	UNKNOWN	1.6140	1	2.00	A
	WALNUT	571,832.8436	3,959	121,982.97	A
	WATERMELON	601.5440	7	408.00	A
	Chemical Total	2,403,724.3726	34,597		
<b>COPPER NAPHTHENATE</b>					
	LANDSCAPE MAINTENANCE	0.8127			
	N-OUTDR PLANTS IN CONTAINERS	2.8114	1	3,000.00	U
	RIGHTS OF WAY	94,070.0468			
	STRUCTURAL PEST CONTROL	2,209.5607			
	Chemical Total	96,283.2316	1		
<b>COPPER OCTANOATE</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.3325	1	2.00	A
	VEGETABLE	0.0205	1	1.00	A
	Chemical Total	0.3530	2		
<b>COPPER OXIDE (IC)</b>					
	LUMBER, TREATED	33,583.0781		535,880.00	U
		1,961.7400		62,533.56	C
	TOTAL POUNDS ON THIS COMMODITY	35,544.8181			
	STRUCTURAL PEST CONTROL	7,848.3815			
	Chemical Total	43,393.1996			
<b>COPPER OXIDE (OUS)</b>					
	ALMOND	102,111.0091	555	26,199.75	A
	APPLE	964.8692	27	410.00	A
	APRICOT	5,510.7461	63	1,249.35	A
		28.2000	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,538.9461			
	BEET	10.2256	6	15.01	A
	BLACKBERRY	25.1700	2	20.00	A
	BLUEBERRY	827.7465	12	235.00	A
	CARROT	4,564.3942	87	5,535.54	A
	CAULIFLOWER	10.9070	1	6.50	A
	CELERY	32.0079	8	46.30	A
	CHERRY	4,382.0503	49	801.10	A
	CITRUS	16.9200	2	8.00	A
	FOREST, TIMBERLAND	29.3650	2	29.50	A
	GRAPE	26,143.9143	551	23,235.75	A
	GRAPE, WINE	50,025.2394	1,163	48,299.59	A
	GRAPEFRUIT	79.5700	11	40.00	A
	KIWI	10.7160	1	6.00	A
	LANDSCAPE MAINTENANCE	82.1133			
	LEMON	1,282.1289	19	379.10	A
	LETTUCE, HEAD	14.4560	3	24.03	A
	LETTUCE, LEAF	1,663.6326	348	2,082.69	A
	N-GRNHS PLANTS IN CONTAINERS	64.0140	2	8.51	A
	N-GRNHS TRANSPLANTS	208.9110	8	148.00	A
	N-OUTDR PLANTS IN CONTAINERS	384.2799	53	199.30	A
		0.3382	1	1,364.00	S
	TOTAL POUNDS ON THIS COMMODITY	384.6181			

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<b>COPPER OXIDE (OUS)</b>					
	N-OUTDR TRANSPLANTS	1,028.3368	40	490.51	A
	NECTARINE	26,737.5559	466	5,085.34	A
	OLIVE	7,313.6425	31	1,219.50	A
		9.2290	5	1,100.00	U
	TOTAL POUNDS ON THIS COMMODITY	7,322.8715			
	ONION, DRY	675.5631	19	927.26	A
	ONION, GREEN	5.0340	1	3.00	A
	ORANGE	43,444.7312	356	9,456.83	A
	PEACH	55,311.7083	659	9,995.92	A
	PEAR	684.8701	35	407.40	A
	PEPPER, FRUITING	38.5940	1	23.00	A
	PLUM	17,512.1807	341	3,556.69	A
	POTATO	64.6920	31	988.35	A
	PRUNE	12,042.2312	31	2,768.00	A
	QUINCE	16.9200	1	15.00	A
	RASPBERRY	62.0860	3	29.00	A
	SPINACH	25.0588	15	29.13	A
	STRAWBERRY	141.5640	5	110.00	A
	TANGELO	3,134.0916	27	745.70	A
	TOMATO	167.8000	1	160.00	A
	TOMATO, PROCESSING	4,861.9547	48	6,846.40	A
	UNKNOWN	5.8730	1	7.00	A
	WALNUT	76,824.3407	308	19,850.01	A
	Chemical Total	448,580.9821	5,400		
<b>COPPER OXYCHLORIDE</b>					
	ALMOND	3,294.2320	24	468.00	A
	APPLE	151.6570	8	65.25	A
	APRICOT	10.0023	2	1.20	A
	BLACKBERRY	59.8400	4	20.00	A
	CELERY	20.9440	1	14.00	A
	CHERRY	1.0263	1	0.25	A
	GRAPE	19,984.9198	230	5,262.08	A
	GRAPE, WINE	1,775.8200	24	675.89	A
	LANDSCAPE MAINTENANCE	210.9482			
	N-GRNHS PLANTS IN CONTAINERS	17.9520	3	90,000.00	S
	N-OUTDR FLOWER	4.4880	2	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	30.6961	20	15.10	A
	N-OUTDR TRANSPLANTS	5.9840	4	4.00	A
	NECTARINE	12.1400	4	1.60	A
	OLIVE	11.9680	4	9.50	A
	ORANGE	0.0007	1	20.00	S
	PEACH	3,487.2452	24	597.95	A
	PEAR	42,951.2147	93	2,307.02	A
	PLUM	4.0183	4	0.60	A
	PRUNE	0.0972	1	30.00	S
		0.0748	1	1.00	U
		0.0468	1	0.01	A
	TOTAL POUNDS ON THIS COMMODITY	0.2188			
	RASPBERRY	769.6770	22	219.83	A
	STRUCTURAL PEST CONTROL	5.9840			
	TOMATO	20.9440	1	7.00	A
	WALNUT	5,932.7520	20	698.00	A
	Chemical Total	78,764.6724	499		
<b>COPPER OXYCHLORIDE SULFATE</b>					
	GRAPE	93,679.3738	809	42,484.21	A
	GRAPE, WINE	17,244.0585	285	7,999.32	A
	LANDSCAPE MAINTENANCE	0.3245			
	LETTUCE, LEAF	4.5000	1	5.00	A
	N-GRNHS PLANTS IN CONTAINERS	15.0000	1	5.00	A
	N-OUTDR TRANSPLANTS	49.5000	4	20.00	A
	ORANGE	143.9400	4	391.50	A
	PEACH	2.1600	1	16.00	A



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<b>COPPER OXYCHLORIDE SULFATE</b>					
	PEAR	687.6000	29	821.00	A
	RASPBERRY	40.8788	8	51.40	A
	Chemical Total	111,867.3356	1,142		
<b>COPPER 8-QUINOLINOLEATE</b>					
	STRUCTURAL PEST CONTROL	0.6751			
	Chemical Total	0.6751			
<b>COPPER SALTS OF FATTY AND ROSIN ACIDS</b>					
	BEAN, SUCCULENT	1.2199	1	1.00	A
	BLACKBERRY	244.5292	17	90.57	A
	GRAPE	920.3040	29	805.00	A
	GRAPE, WINE	3,183.2759	76	2,886.35	A
	LANDSCAPE MAINTENANCE	3.8162			
	LETTUCE, LEAF	294.8873	19	350.64	A
	N-GRNHS FLOWER	152.2738	50	82.95	A
	N-GRNHS PLANTS IN CONTAINERS	350.1683	145	149.68	A
		40.3135	41	757,135.00	S
	TOTAL POUNDS ON THIS COMMODITY	390.4818			
	N-GRNHS TRANSPLANTS	4.8768	8	28,050.00	S
		4.2348	2	2.81	A
	TOTAL POUNDS ON THIS COMMODITY	9.1116			
	N-OUTDR FLOWER	84.4369	30	42.02	A
	N-OUTDR PLANTS IN CONTAINERS	1,985.9735	338	657.81	A
		23.1684	11	903,462.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,009.1419			
	N-OUTDR TRANSPLANTS	345.1657	34	287.06	A
		0.0379	1	100.00	S
	TOTAL POUNDS ON THIS COMMODITY	345.2036			
	RASPBERRY	3,728.4583	103	1,568.90	A
	STRAWBERRY	6,928.9212	104	3,078.67	A
	TOMATO	428.3323	14	286.00	A
	Chemical Total	18,724.3939	1,023		
<b>COPPER SULFATE (BASIC)</b>					
	ALMOND	124,517.1338	287	16,877.89	A
	APPLE	38.5905	9	67.00	A
	APRICOT	642.5588	10	98.95	A
	AVOCADO	26.5000	1	10.00	A
	BEAN, SUCCULENT	122.5000	5	57.50	A
	BLACKBERRY	11.3600	4	20.00	A
	BLUEBERRY	17.7120	1	8.00	A
	CELERY	1,389.9880	206	1,516.45	A
	CHERRY	6,530.8458	38	633.00	A
	CITRUS	635.9350	20	282.00	A
	GRAPE	56,885.6938	385	19,082.12	A
	GRAPE, WINE	2,433.3610	71	2,476.59	A
	GRAPEFRUIT	3,752.6434	59	928.20	A
	LANDSCAPE MAINTENANCE	3,914.0441			
	LEMON	39,558.2010	252	7,541.15	A
	LIME	28.2600	2	5.00	A
	N-GRNHS FLOWER	5.8807	86	149.25	A
		0.1721	10	89,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.0528			
	N-GRNHS PLANTS IN CONTAINERS	9.3812	130	4,313,658.00	S
		1.1279	40	32.02	A
		0.0878	2	60,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	10.5969			
	N-GRNHS TRANSPLANTS	0.1321	10	4.45	A
	N-OUTDR FLOWER	2.2854	17	45.00	A
		0.0829	6	259,286.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.3683			
	N-OUTDR PLANTS IN CONTAINERS	522.6309	61	148.83	A
		0.1229	7	211,686.00	S
	TOTAL POUNDS ON THIS COMMODITY	522.7538			

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<b>COPPER SULFATE (BASIC)</b>					
	N-OUTDR TRANSPLANTS	1.2530	6	8.00	A
	NECTARINE	5,611.4903	56	750.28	A
	OLIVE	44,591.4566	165	4,124.50	A
	ORANGE	407,592.4057	2,239	72,560.41	A
		0.0001	1	20.00	S
	TOTAL POUNDS ON THIS COMMODITY	407,592.4058			
	PEACH	297,240.6436	808	20,586.10	A
	PEAR	8,455.1452	106	2,452.82	A
	PEPPER, FRUITING	185.6250	1	25.00	A
	PISTACHIO	635.2360	7	152.00	A
	PLUM	14,307.0556	96	1,769.60	A
	PRUNE	7,513.3189	30	1,267.51	A
		0.0185	1	30.00	S
		0.0142	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	7,513.3516			
	RASPBERRY	146.1152	22	219.83	A
	STRAWBERRY	0.4288	1	28.00	A
	STRUCTURAL PEST CONTROL	5.8424			
	TANGELO	9,067.8266	75	1,459.12	A
	TANGERINE	12,389.9439	72	3,042.11	A
	TOMATO	3.9760	1	7.00	A
	WALNUT	7,735.2403	51	1,561.90	A
	WATER AREA	183.9192		78.00	U
		19.8296		16.00	A
	TOTAL POUNDS ON THIS COMMODITY	203.7488			
	Chemical Total	1,056,734.0158	5,458		
<b>COPPER SULFATE (PENTAHYDRATE)</b>					
	ALMOND	6,398.2710	7	248.58	A
	APRICOT	495.0000	3	41.00	A
	BLUEBERRY	24.7500	1	40.00	A
	CHERRY	14,237.5662	55	1,127.00	A
	CITRUS	49.5000	1	10.00	A
	DITCH BANK	1,336.5000		537.00	A
	FUMIGATION, OTHER	2,425.5000			
	GRAPE	932.0850	3	583.00	A
	GRAPE, WINE	373.0734	62	985.80	A
	LANDSCAPE MAINTENANCE	59,794.5802			
	LEMON	153.4500	3	23.00	A
	N-GRNHS FLOWER	20.0831	81	566.91	A
		5.3282	26	609,530.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.4113			
	N-GRNHS PLANTS IN CONTAINERS	224.3875	422	589.72	A
		114.9953	354	8,573,837.00	S
	TOTAL POUNDS ON THIS COMMODITY	339.3828			
	N-GRNHS TRANSPLANTS	16.8049	80	1,420,900.00	S
		5.1223	18	26.33	A
		0.0011			
	TOTAL POUNDS ON THIS COMMODITY	21.9283			
	N-OUTDR FLOWER	21.9427	48	94.25	A
		3.2990	11	360,435.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.2417			
	N-OUTDR PLANTS IN CONTAINERS	2,726.2267	587	1,282.82	A
		39.9328	78	1,473,028.00	S
		0.6969	5	94,900.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,766.8564			
	N-OUTDR TRANSPLANTS	19,926.1467	258	2,096.82	A
		139.7299	14	2,230,840.00	S
	TOTAL POUNDS ON THIS COMMODITY	20,065.8766			
	NECTARINE	1,989.9000	16	203.00	A
	OAT	519.7500	1	35.00	A
	OLIVE	8,663.7672	19	387.00	A
	ORANGE	11,285.6139	27	1,458.13	A
	PEACH	4,170.2859	42	424.20	A
	PRUNE	99.0000	2	20.00	A
	PUBLIC HEALTH	5,116.8388			
	RICE	2,958,246.0928	3,049	226,993.60	A

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<b>COPPER SULFATE (PENTAHYDRATE)</b>					
	RICE, WILD	70,953.3000	58	5,204.80	A
	RIGHTS OF WAY	309,318.6200			
		74.2500	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	309,392.8700			
	STRUCTURAL PEST CONTROL	2,636.3700			
	UNKNOWN	1,556.2800		312.00	A
	VERTEBRATE CONTROL	1,410.7500			
	WALNUT	6,415.0020	11	329.00	A
	WATER (INDUSTRIAL)	3,366.0000		31,363.20	K
		1,057.4993		229.33	A
	TOTAL POUNDS ON THIS COMMODITY	4,423.4993			
	WATER AREA	129,774.6901	63	11,930.97	A
		29,049.0750		3,147.14	U
		19,827.4968		7,678,172.84	K
		49.5000		65,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	178,700.7619			
	Chemical Total	3,675,045.0547	5,406		
<b>COPPER TRIETHANOLAMINE COMPLEX</b>					
	LANDSCAPE MAINTENANCE	36.6320			
	Chemical Total	36.6320			
<b>CORN GLUTEN MEAL</b>					
	LANDSCAPE MAINTENANCE	17.6350			
	Chemical Total	17.6350			
<b>CORN PRODUCT, HYDROLYZED</b>					
	ALMOND	21.0749	1	40.00	A
	CHERRY	18.9674	2	11.25	A
	CORN, HUMAN CONSUMPTION	4.2150	1	13.35	A
	GRAPE, WINE	162.5928	6	105.47	A
	LETTUCE, HEAD	1.6465	1	12.50	A
	N-OUTDR PLANTS IN CONTAINERS	10.5375	1	10.00	A
	N-OUTDR TRANSPLANTS	5.2687	1	5.00	A
	WALNUT	35,605.9485	1,110	28,441.63	A
		0.3951	2	16.00	U
	TOTAL POUNDS ON THIS COMMODITY	35,606.3436			
	Chemical Total	35,830.6464	1,125		
<b>COTTONSEED FLOUR</b>					
	ALFALFA	13.7970	2	90.00	A
	APRICOT	409.3600	22	2,404.00	A
	AVOCADO	4.6750	1	1.50	A
	CARROT	24.9900	1	42.00	A
	CORN (FORAGE - FODDER)	59.5000	1	25.00	A
	PEACH	374.8500	20	2,205.00	A
	PEPPER, FRUITING	17.7494	2	100.00	A
	STRAWBERRY	0.4599	1	2.00	A
	WATERMELON	133.2800	1	56.00	A
	Chemical Total	1,038.6613	51		
<b>COTTONSEED OIL</b>					
	ALFALFA	24,135.9757	576	27,456.46	A
	ALMOND	9,589.4716	84	5,803.11	A
	APPLE	25.9735	4	16.00	A
	APRICOT	161.6863	40	2,869.60	A
	AVOCADO	0.2063	1	1.50	A
	BEAN, DRIED	378.5581	21	878.00	A
	BEAN, SUCCULENT	3.9170	1	20.00	A
	BOK CHOY	0.6218	2	3.00	A
	BROCCOLI	241.1494	21	599.10	A
		9.7844	39	1,510,650.00	S
	TOTAL POUNDS ON THIS COMMODITY	250.9338			

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<b>COTTONSEED OIL</b>					
	CABBAGE	161.5036	99	715.22	A
	CANTALOUPE	644.7791	21	1,031.90	A
	CARROT	1,260.4911	11	578.65	A
	CAULIFLOWER	32.6203	13	34.55	A
	CELERY	723.5613	146	3,128.06	A
	CHERRY	200.2478	17	203.70	A
	CHICORY	151.1227	1	85.00	A
	CHINESE CABBAGE (NAPPA)	6.1020	4	20.00	A
	CILANTRO	0.8705	1	4.54	A
	CITRUS	14.9540	9	50.43	A
	CLOVER	503.6829	11	283.50	A
	COLLARD	15.5771	5	175.00	A
	CORN (FORAGE - FODDER)	10,325.9452	219	10,855.55	A
	CORN, HUMAN CONSUMPTION	2,493.7690	113	2,651.30	A
	COTTON	185,299.9951	3,045	197,516.57	A
	CUCUMBER	93.4188	2	110.00	A
	ENDIVE (ESCAROLE)	0.5790	1	1.65	A
	GARLIC	736.0994	14	1,131.00	A
	GRAPE	1,401.6713	259	4,805.24	A
	GRAPE, WINE	413.7679	48	1,252.30	A
	GRAPEFRUIT	15.5771	2	14.00	A
	KIWI	5.0470	1	13.00	A
	LANDSCAPE MAINTENANCE	4.0762			
	LEMON	1,157.7942	28	775.00	A
	LETTUCE, HEAD	1,609.8155	71	1,536.72	A
	LETTUCE, LEAF	548.5092	145	1,552.18	A
	MELON	184.3622	9	344.90	A
	MUSTARD	1.1683	3	15.00	A
	N-GRNHS FLOWER	6.9947	3	24.00	A
	N-OUTDR PLANTS IN CONTAINERS	254.1507	8	59.85	A
	N-OUTDR TRANSPLANTS	12.8998	58	2,651,004.00	S
		0.3886	1	1.70	A
	TOTAL POUNDS ON THIS COMMODITY	13.2884			
	NECTARINE	1,093.4972	82	525.50	A
	OAT	17.7791	2	25.00	A
	OLIVE	958.7325	34	1,161.00	A
	ONION, DRY	632.3324	9	731.00	A
	ORANGE	4,912.8537	298	5,161.20	A
	PARSLEY	66.4363	6	630.00	A
	PEACH	206.9506	92	2,823.25	A
	PEAR	15.1372	4	48.00	A
	PEPPER, FRUITING	232.1630	15	587.80	A
	PEPPER, SPICE	19.6473	3	66.00	A
	PERSIMMON	8.1605	1	10.50	A
	PISTACHIO	168.3100	6	209.00	A
	PLUM	186.6764	73	558.49	A
	POTATO	1,074.8199	1	75.00	A
	PRUNE	126.2267	4	271.00	A
	PUMPKIN	106.6748	1	20.00	A
	QUINCE	27.1664	6	39.00	A
	RIGHTS OF WAY	133.7747			
		49.7401	1	128.00	A
	TOTAL POUNDS ON THIS COMMODITY	183.5148			
	SAFFLOWER	11.0942	1	10.00	A
	SOIL FUMIGATION/PREPLANT	564.2340	27	1,350.80	A
	SORGHUM/MILO	13.3699	1	75.00	A
	STRAWBERRY	502.3179	53	1,972.50	A
	TANGELO	103.1828	11	102.30	A
	TANGERINE	64.5815	3	73.50	A
	TOMATO	733.5859	19	1,477.50	A
	TOMATO, PROCESSING	15,817.9025	186	20,888.84	A
	TURNIP	4.2837	1	55.00	A
	UNCULTIVATED AG	1,090.9061	56	1,632.20	A
	UNCULTIVATED NON-AG	8.7230	1	20.00	A
	WALNUT	1,440.0536	34	1,548.00	A
	WATERMELON	276.4634	9	465.00	A

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<b>COTTONSEED OIL</b>					
	WHEAT	699.7317	14	1,398.00	A
	WHEAT (FORAGE - FODDER)	356.1643	10	633.20	A
	Chemical Total	274,552.5590	6,221		
<b>COUMAFURYL</b>					
	LANDSCAPE MAINTENANCE	0.1069			
	ORANGE	0.0001	1	50.00	A
	RIGHTS OF WAY	0.0688			
	STRUCTURAL PEST CONTROL	0.0026			
	VERTEBRATE CONTROL	0.0380			
	Chemical Total	0.2164	1		
<b>COUMAPHOS</b>					
	BEEHIVE	14.2176	12	27,572.00	U
		1.0407	3	49.00	A
		0.1235		200.00	C
		0.0556	11	1,160.00	S
	TOTAL POUNDS ON THIS COMMODITY	15.4374			
	FUMIGATION, OTHER	47.1000			
	HONEY	0.0125	1	10.00	U
	Chemical Total	62.5499	27		
<b>CREOSOTE</b>					
	LANDSCAPE MAINTENANCE	1.3741			
	RICE	44.4222	1	55.50	A
	RIGHTS OF WAY	1,046.4842			
	Chemical Total	1,092.2805	1		
<b>CRESYLIC ACID</b>					
	STRUCTURAL PEST CONTROL	15.0732			
	Chemical Total	15.0732			
<b>CRYOLITE</b>					
	BROCCOLI	1.6000	1	12.80	A
	CABBAGE	1,550.4000	28	140.00	A
	CANTALOUPE	3,750.0000	2	300.00	A
	CAULIFLOWER	1.1750	1	9.40	A
	COLLARD	158.2080	3	10.30	A
	GRAPE	671,784.3685	2,908	117,811.27	A
	GRAPE, WINE	36,093.4234	179	6,768.70	A
	GRAPEFRUIT	103.6800	3	11.00	A
	KIWI	4,782.7200	23	516.00	A
	LEMON	15.3600	1	1.00	A
	MELON	2,538.0000	5	450.00	A
	N-GRNHS FLOWER	2,851.2288	15	474.17	A
	N-GRNHS PLANTS IN CONTAINERS	2.8800		6.00	A
	N-OUTDR FLOWER	207.3600	2	27.00	A
	N-OUTDR PLANTS IN CONTAINERS	312.6171	9	53.10	A
	N-OUTDR TRANSPLANTS	134.4000	1	20.00	A
	ORANGE	81,531.4368	127	6,592.01	A
	PEACH	1,772.7040	14	309.80	A
	PEPPER, FRUITING	28,154.1456	108	4,145.96	A
	PEPPER, SPICE	465.6000	4	50.50	A
	PUMPKIN	2,219.2800	8	284.00	A
	TANGELO	216.0000	2	21.80	A
	TANGERINE	2,002.4160	13	232.10	A
	TOMATO	960.0000	2	100.00	A
	WATERMELON	15,217.6800	33	1,803.50	A
	Chemical Total	856,826.6832	3,492		

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<b>CUBE EXTRACTS</b>					
	COMMODITY FUMIGATION	0.1019			
	GRAPE, WINE	0.1345	2	49.40	A
	STRUCTURAL PEST CONTROL	0.1032			
	VERTEBRATE CONTROL	0.1942			
	Chemical Total	0.5338	2		
<b>CYANAZINE</b>					
	CORN, HUMAN CONSUMPTION	7.8120	1	4.82	A
	Chemical Total	7.8120	1		
<b>CYANURIC ACID</b>					
	GRAPE, WINE	69.2223	5	94.25	A
	LANDSCAPE MAINTENANCE	198.5975			
	N-GRNHS PLANTS IN CONTAINERS	0.3063	1	10,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.9114	1	3.75	A
	STRUCTURAL PEST CONTROL	13.9503			
	Chemical Total	282.9878	7		
<b>CYCLANILIDE</b>					
	COTTON	5,341.0265	674	46,454.53	A
	Chemical Total	5,341.0265	674		
<b>CYCLOATE</b>					
	BEET	3,171.7992	319	1,082.94	A
	BROCCOLI	2.9856	1	4.00	A
	LETTUCE, LEAF	38.4086	4	35.00	A
	MUSTARD	23.4437	1	7.80	A
	RADISH	6.0178	2	1.48	A
	RESEARCH COMMODITY	2.9117			
	RIGHTS OF WAY	0.7514			
	SPINACH	35,341.7970	2,383	18,189.27	A
		2.9856	1	4.00	?
	TOTAL POUNDS ON THIS COMMODITY	35,344.7826			
	SUGARBEET	3,944.8388	24	1,362.42	A
	VEGETABLES, LEAFY	26.8704	1	12.00	A
	Chemical Total	42,562.8098	2,736		
<b>CYCLOHEXANE</b>					
	LANDSCAPE MAINTENANCE	0.4880			
	STRUCTURAL PEST CONTROL	0.0045			
	Chemical Total	0.4925			
<b>CYCLOHEXIMIDE</b>					
	LANDSCAPE MAINTENANCE	0.3900			
	Chemical Total	0.3900			
<b>CYFLUTHRIN</b>					
	ALFALFA	4,766.5275	2,275	145,507.59	A
	ANIMAL PREMISE	5.9704	3	31.00	A
		4.3895		72,011.00	U
		3.9569		196,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.3168			
	APPLE	0.0156	1	3.50	A
	BROCCOLI	32.0829	36	900.43	A
	BUILDINGS/NON-AG OUTDOOR	0.0705		1.00	A
	CABBAGE	2.8729	4	98.00	A
	CARROT	82.3007	31	2,075.77	A
	CAULIFLOWER	15.5128	20	429.19	A
	CHINESE CABBAGE (NAPPA)	0.1296	3	3.60	A
	CITRUS	24.3839	23	334.50	A
	COMMODITY FUMIGATION	1.4775			

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<b>CYFLUTHRIN</b>					
	CORN (FORAGE - FODDER)	97.4914	1	35.00	A
	CORN, HUMAN CONSUMPTION	1,249.6995	636	33,288.07	A
	COTTON	2,667.9394	946	77,806.14	A
	COUNTY AG COMM	0.0188			
	FOOD PROCESSING PLANT	0.0010		240.00	S
	FORAGE HAY/SILAGE	13.0044	12	416.60	A
		0.7931		2,115.00	P
	TOTAL POUNDS ON THIS COMMODITY	13.7975			
	FUMIGATION, OTHER	3.0954			
	GRAPE	0.1865	1	34.00	A
	GRAPE, WINE	1.5000	1	40.00	A
	GRAPEFRUIT	11.2036	13	168.50	A
	HOUSEHOLD	1.1388		8.00	U
	INDUSTRIAL SITE	0.0175		2,050.00	S
	LANDSCAPE MAINTENANCE	655.8667			
	LEMON	60.8320	33	764.40	A
	LETTUCE, HEAD	252.6883	261	6,541.90	A
	LETTUCE, LEAF	144.3578	326	4,005.62	A
	MUSTARD	1.7119	14	36.05	A
	N-GRNHS FLOWER	15.3059	180	438.23	A
		2.2941	44	868,733.00	S
	TOTAL POUNDS ON THIS COMMODITY	17.6000			
	N-GRNHS PLANTS IN CONTAINERS	27.6954	386	826.48	A
		8.0890	217	6,372,494.00	S
		0.0534	10	10,772.00	U
	TOTAL POUNDS ON THIS COMMODITY	35.8378			
	N-GRNHS TRANSPLANTS	1.7299	221	769,527.00	S
		0.8813	19	33.98	A
	TOTAL POUNDS ON THIS COMMODITY	2.6112			
	N-OUTDR FLOWER	4.1555	106	158.38	A
		0.1438	5	105,170.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2993			
	N-OUTDR PLANTS IN CONTAINERS	320.4515	611	5,269.16	A
		2.1657	35	716,800.00	S
		0.0181	3	3,300.00	U
	TOTAL POUNDS ON THIS COMMODITY	322.6353			
	N-OUTDR TRANSPLANTS	14.3600	93	458.43	A
		0.1326	5	167,850.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.4926			
	ORANGE	3,703.5078	1,806	55,794.29	A
	PEPPER, FRUITING	66.4273	75	1,835.20	A
	PEPPER, SPICE	0.5658	1	13.00	A
	POTATO	415.4152	160	11,494.51	A
	PUBLIC HEALTH	1.7351			
	RADISH	17.6682	74	412.77	A
	REGULATORY PEST CONTROL	0.5329			
	RESEARCH COMMODITY	0.1965			
		0.1555	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.3520			
	RIGHTS OF WAY	5.3246			
	RYEGRASS	238.7545	2	12.00	A
	SORGHUM (FORAGE - FODDER)	196.5994	19	1,243.00	A
	SORGHUM/MILO	66.5528	7	285.00	A
	STRUCTURAL PEST CONTROL	32,605.8308			
	SUNFLOWER	61.6250	26	1,439.90	A
	TANGELO	145.2481	81	2,149.21	A
	TANGERINE	183.0665	80	3,489.94	A
	TOMATO	152.0855	92	3,854.50	A
	TOMATO, PROCESSING	188.2970	89	4,910.48	A
	UNCULTIVATED AG	0.2189	1	79.00	A
	VERTEBRATE CONTROL	0.7489			
	Chemical Total	48,549.2693	9,089		

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<b>BETA-CYFLUTHRIN</b>					
	ANIMAL PREMISE	412.0437		59.00	A
		219.8500		157.00	U
		14.6027		1,929,858.00	S
		0.6489		2,634.00	K
	TOTAL POUNDS ON THIS COMMODITY	647.1453			
	COMMODITY FUMIGATION	0.3896			
	FOOD PROCESSING PLANT	5.9536		566,925.00	S
	FUMIGATION, OTHER	0.0377			
	INDUSTRIAL SITE	0.0540		1,340.00	S
	LANDSCAPE MAINTENANCE	10,959.9106			
		0.2433	1	57.00	A
	TOTAL POUNDS ON THIS COMMODITY	10,960.1539			
	N-GRNHS TRANSPLANTS	0.0341	3	0.68	A
	N-OUTDR FLOWER	0.0027	2	0.80	A
	N-OUTDR PLANTS IN CONTAINERS	9.5232	155	35.34	A
		0.5276	3	2,355.60	S
	TOTAL POUNDS ON THIS COMMODITY	10.0508			
	POULTRY	0.4866		75,000.00	S
	PUBLIC HEALTH	0.0160			
	RIGHTS OF WAY	13.1240			
	STRUCTURAL PEST CONTROL	4,961.7686			
	UNKNOWN	0.0551		0.35	A
	VERTEBRATE CONTROL	2.4312			
	Chemical Total	16,601.7032	164		
<b>CYHALOFOP BUTYL</b>					
	GRAPE	0.2196	1	1.90	A
	N-OUTDR PLANTS IN CONTAINERS	6.7806	1	33,500.00	S
	RICE	56,183.9616	2,812	201,165.92	A
	Chemical Total	56,190.9618	2,814		
<b>CYMOXANIL</b>					
	POTATO	1,199.0960	235	9,949.20	A
	RESEARCH COMMODITY	2.1600			
	Chemical Total	1,201.2560	235		
<b>CYPERMETHRIN</b>					
	ALFALFA	106.9331	37	2,397.50	A
	ANIMAL PREMISE	425.5388		1,521.00	U
		102.4262		1,396.00	A
	TOTAL POUNDS ON THIS COMMODITY	527.9650			
	ARRUGULA	1.7154	7	35.00	A
	BEAN, DRIED	0.4967	1	10.00	A
	BEAN, SUCCULENT	3.4598	1	75.00	A
	BEAN, UNSPECIFIED	1.3908	2	28.00	A
	BERMUDAGRASS	285.9784	26	2,718.00	A
	BOK CHOY	76.0482	409	890.20	A
	BROCCOLI	53.7701	34	739.45	A
	BRUSSELS SPROUT	46.7780	19	582.00	A
	CABBAGE	75.8130	288	952.39	A
	CANOLA (RAPE)	10.4381	7	193.00	A
	CARDOON	0.1626	1	3.66	A
	CAULIFLOWER	22.3733	28	299.90	A
	CELERY	43.0844	100	944.36	A
	CHICORY	0.4436	1	9.00	A
	CHINESE CABBAGE (NAPPA)	149.6254	365	1,586.93	A
	CHINESE GREENS	0.0630	5	1.25	A
	COLLARD	43.5258	140	502.30	A
	COMMODITY FUMIGATION	4.1163			
	CORN (FORAGE - FODDER)	66.5351	1	45.00	A
	CORN, HUMAN CONSUMPTION	94.6778	35	1,926.00	A
	COTTON	95.5195	16	1,602.50	A
	COUNTY AG COMM	0.2340			
	EGGPLANT	1.6323	2	38.00	A
	GARLIC	125.6048	11	1,294.00	A



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<b>CYPERMETHRIN</b>					
	KALE	47.1755	190	549.64	A
	KOHLRABI	2.5275	52	39.39	A
	LANDSCAPE MAINTENANCE	7,007.9254			
	LEEK	12.7321	49	155.67	A
	LETTUCE, HEAD	291.0449	332	4,464.90	A
	LETTUCE, LEAF	110.0433	202	2,231.72	A
	MIZUNA	1.4306	11	29.80	A
	MUSHROOM	0.0500	1	2,000.00	S
	MUSTARD	155.4898	226	1,634.22	A
	N-OUTDR PLANTS IN CONTAINERS	0.2583	1	5.00	A
	N-OUTDR TRANSPLANTS	0.0118	6	0.35	A
	ONION, DRY	1,222.3792	308	13,404.15	A
	ONION, GREEN	66.6910	138	873.74	A
	PEAS	2.5318	3	51.60	A
	PEPPER, FRUITING	51.0073	17	1,055.30	A
	PUBLIC HEALTH	18.7619			
	RAPPINI	9.4917	7	126.60	A
	REGULATORY PEST CONTROL	5,408.9357			
	RESEARCH COMMODITY	1.0966			
	RICE	22.1751	6	446.67	A
	RIGHTS OF WAY	223.2565			
	SOIL FUMIGATION/PREPLANT	1.1179	3	12.00	A
	SORGHUM (FORAGE - FODDER)	172.1808	47	2,640.30	A
	SORGHUM/MILO	6.8545	3	138.00	A
	SOYBEAN	4.5349	1	91.00	A
	SPINACH	5.0634	13	104.90	A
	STRUCTURAL PEST CONTROL	188,979.9023			
	SUGARBEET	2.5875	1	68.00	A
	SWISS CHARD	3.0754	8	28.59	A
	TOMATO	15.5645	7	377.50	A
	TOMATO, PROCESSING	44.3048	17	919.00	A
	VERTEBRATE CONTROL	2.0969			
	Chemical Total	205,730.6834	3,185		
<b>(S) -CYPERMETHRIN</b>					
	ALFALFA	2,873.5552	915	64,852.30	A
	ARRUGULA	5.8845	30	154.38	A
	BEAN, DRIED	30.9666	13	640.00	A
	BEAN, SUCCULENT	19.7484	43	432.76	A
	BEAN, UNSPECIFIED	14.0068	29	309.90	A
	BEET	0.3696	2	8.00	A
	BOK CHOY	74.8405	748	1,446.54	A
	BROCCOLI	571.1979	717	14,131.76	A
	BRUSSELS SPROUT	49.2286	79	1,090.00	A
	CABBAGE	144.3877	342	3,299.92	A
	CANOLA (RAPE)	0.0798	1	19.50	A
	CARDON	1.7659	12	38.55	A
	CAULIFLOWER	107.6101	178	2,436.15	A
	CELERY	814.1574	1,681	18,355.33	A
	CHICORY	22.2067	67	492.29	A
	CHINESE CABBAGE (NAPPA)	73.7048	450	1,594.54	A
	CHINESE GREENS	1.4420	11	31.15	A
	COLLARD	14.3057	94	366.70	A
	CORN (FORAGE - FODDER)	18.1467	16	563.00	A
	CORN, HUMAN CONSUMPTION	826.2481	570	17,714.60	A
	COTTON	777.6596	205	16,202.80	A
	DANDELION GREEN	1.4134	49	55.94	A
	EGGPLANT	0.4140	1	9.00	A
	ENDIVE (ESCAROLE)	44.4932	297	977.63	A
	FENNEL	27.6985	92	791.74	A
	GAI CHOY	2.0109	11	58.00	A
	GAI LON	1.8528	5	44.10	A
	GARLIC	476.5184	82	10,182.43	A
	KALE	23.2121	201	552.24	A
	KOHLRABI	1.0809	38	27.16	A
	LANDSCAPE MAINTENANCE	0.2749			
	LEEK	7.7905	57	177.22	A

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<b>(S) -CYPERMETHRIN</b>					
	LETTUCE, HEAD	4,126.3381	5,307	92,641.42	A
		0.1454	5	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	4,126.4835			
	LETTUCE, LEAF	3,981.7543	7,874	90,490.88	A
	MIZUNA	3.3948	24	80.75	A
	MUSTARD	83.4036	450	1,783.72	A
	ONION, DRY	1,267.1243	524	27,526.79	A
	ONION, GREEN	129.7139	421	2,703.59	A
	PARSLEY	11.0666	155	282.69	A
	PEAS	100.5851	224	2,099.91	A
	PECAN	11.7841	4	255.00	A
	PEPPER, FRUITING	128.8516	116	2,874.52	A
	PEPPER, SPICE	8.5599	5	189.50	A
	RAPPINI	228.5143	193	4,963.90	A
	RESEARCH COMMODITY	0.5619	6	51.00	A
		0.1728			
	TOTAL POUNDS ON THIS COMMODITY	0.7347			
	RICE	1,358.4228	989	30,534.94	A
	RIGHTS OF WAY	1.5941			
	SOIL FUMIGATION/PREPLANT	1.0627	1	23.00	A
	SORGHUM (FORAGE - FODDER)	36.5826	16	763.00	A
	SORGHUM/MILO	143.4497	2	109.00	A
	SPINACH	625.8184	1,618	12,898.29	A
	STRUCTURAL PEST CONTROL	0.0000			
	SUDANGRASS	20.9410	4	304.00	A
	SUGARBEET	493.5821	203	15,950.50	A
	SWISS CHARD	32.7541	378	760.76	A
	TOMATO	166.2326	93	3,513.40	A
	TOMATO, PROCESSING	187.3297	66	4,008.50	A
	UNKNOWN	2.1649	8	53.49	A
	VEGETABLES, LEAFY	26.9991	33	566.04	A
	WHEAT	12.5677	10	257.00	A
	Chemical Total	20,219.7444	25,765		
<b>CYPRODINIL</b>					
	ALMOND	62,643.4904	4,685	266,986.50	A
	APPLE	105.6329	35	486.00	A
	APRICOT	1,322.6901	166	5,799.94	A
	BLACKBERRY	9.7031	2	30.00	A
	BROCCOLI	11.7291	4	45.50	A
	FORAGE HAY/SILAGE	19.6875	2	42.00	A
	GRAPE	15,833.9165	716	37,413.76	A
	GRAPE, WINE	14,081.0142	949	33,192.75	A
	LANDSCAPE MAINTENANCE	3.5625			
	N-GRNHS PLANTS IN CONTAINERS	4.2332	17	11.42	A
		0.1172	2	25,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.3504			
	N-GRNHS TRANSPLANTS	0.0385	4	5,332.00	U
		0.0319	4	1,320.04	A
	TOTAL POUNDS ON THIS COMMODITY	0.0704			
	N-OUTDR FLOWER	0.5625	1	2.00	A
	N-OUTDR PLANTS IN CONTAINERS	81.0862	40	236.03	A
	N-OUTDR TRANSPLANTS	83.8143	38	915.23	A
		0.8203	3	120,000.00	S
		0.0192	2	2,666.00	U
	TOTAL POUNDS ON THIS COMMODITY	84.6538			
	NECTARINE	660.5392	310	2,852.90	A
	ONION, DRY	35.4375	4	108.00	A
	PEACH	5,348.2575	1,112	24,091.18	A
	PEAR	121.7696	29	843.18	A
	PISTACHIO	150.1688	22	511.00	A
	PLUM	310.4433	143	1,279.29	A
	PRUNE	895.5644	78	3,690.80	A
		60.9375		260.00	U
	TOTAL POUNDS ON THIS COMMODITY	956.5019			
	RASPBERRY	7.6922	2	16.50	A
	RESEARCH COMMODITY	1.7429			

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<b>CYPRODINIL</b>					
	STRAWBERRY	6,258.3693	531	21,212.56	A
	VERTEBRATE CONTROL	14.2500	1	39.00	A
	WALNUT	0.3694	2	11.19	A
	WATERCRESS	0.2344	1	48,000.00	S
	Chemical Total	108,067.9256	8,905		
<b>CYROMAZINE</b>					
	ANIMAL PREMISE	12.1152		42.00	A
	ARRUGULA	0.3450	1	2.76	A
	BEAN, DRIED	12.7955	5	176.00	A
	BEAN, SUCCULENT	34.4381	9	276.66	A
	BOK CHOY	30.3531	166	242.30	A
	CABBAGE	0.6549	3	5.25	A
	CAULIFLOWER	5.0251	7	40.30	A
	CELERY	2,606.5005	1,819	21,419.14	A
	CHICORY	1.1222	1	9.00	A
	CHINESE CABBAGE (NAPPA)	7.9641	39	66.30	A
	CUCUMBER	12.6558	3	101.50	A
	ENDIVE (ESCAROLE)	1.0872	5	17.50	A
	LETTUCE, HEAD	2,153.9966	1,212	18,345.53	A
	LETTUCE, LEAF	2,103.7245	1,999	16,982.92	A
	MELON	10.2746	6	89.80	A
	MUSHROOM	152.8994	285	2,331,489.00	S
	MUSTARD	41.9286	65	338.67	A
	N-GRNHS FLOWER	443.4527	685	2,199.11	A
		77.0246	53	1,795,440.00	S
	TOTAL POUNDS ON THIS COMMODITY	520.4773			
	N-GRNHS PLANTS IN CONTAINERS	314.8514	468	1,069.27	A
		24.3299	143	6,962,233.00	S
	TOTAL POUNDS ON THIS COMMODITY	339.1813			
	N-GRNHS TRANSPLANTS	3.9305	34	1,311,868.00	S
		1.6642	25	8.74	A
	TOTAL POUNDS ON THIS COMMODITY	5.5947			
	N-OUTDR FLOWER	136.5336	91	538.19	A
		0.0455	2	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	136.5791			
	N-OUTDR PLANTS IN CONTAINERS	45.9611	97	274.05	A
		4.9967	11	531,289.00	S
	TOTAL POUNDS ON THIS COMMODITY	50.9578			
	N-OUTDR TRANSPLANTS	3.9656	36	43.86	A
	ONION, DRY	1,060.9898		21,204.13	P
		160.6850	62	1,294.30	A
	TOTAL POUNDS ON THIS COMMODITY	1,221.6748			
	ONION, GREEN	234.6026	349	1,888.54	A
	PEPPER, FRUITING	155.7402	49	1,248.00	A
	PEPPER, SPICE	4.9125	3	39.50	A
	PUMPKIN	0.2119	1	1.70	A
	RESEARCH COMMODITY	1.8554	12	52.16	A
		0.2626			
	TOTAL POUNDS ON THIS COMMODITY	2.1180			
	SPINACH	1,998.6211	2,067	16,141.14	A
	SQUASH	0.7500	2	6.00	A
	STRUCTURAL PEST CONTROL	1.5144			
	SWISS CHARD	59.3632	122	478.48	A
	TOMATO	541.0856	78	3,983.70	A
	TOMATO, PROCESSING	163.4926	14	1,314.90	A
	UNKNOWN	5.9307	22	47.56	A
	VEGETABLES, LEAFY	8.1583	24	66.34	A
	WATERMELON	21.1725	3	169.80	A
	Chemical Total	12,663.9846	10,078		
<b>2,4-D</b>					
	ALMOND	61.2898	16	617.00	A
	BARLEY	68.5847	12	375.70	A
	CHESTNUT	0.4739	1	3.20	A
	CORN (FORAGE - FODDER)	2.3776	2	21.00	A

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<b>2,4-D</b>					
	COUNTY AG COMM	31.0951	1	200.00	A
	FORAGE HAY/SILAGE	119.1718	3	284.50	A
	GRAPE	0.0000	1	20.00	A
	GRAPE, WINE	5.9398	2	19.00	A
	LANDSCAPE MAINTENANCE	634.2467			
		1.4327	3	61.25	A
	TOTAL POUNDS ON THIS COMMODITY	635.6794			
	N-OUTDR PLANTS IN CONTAINERS	0.4114	1	0.10	A
		0.0000	1	0.25	S
	TOTAL POUNDS ON THIS COMMODITY	0.4114			
	PASTURELAND	28.1846	5	64.00	A
	REGULATORY PEST CONTROL	45.7446			
	RIGHTS OF WAY	423.0222			
	UNCULTIVATED AG	51.8368	7	257.30	A
	WALNUT	6.9504	2	33.00	A
	WHEAT	346.7766	26	1,621.00	A
	Chemical Total	1,827.5387	83		
<b>2,4-D, ALKANOLAMINE SALTS (ETHANOL AND ISOPROPANOL AMINES)</b>					
	ASPARAGUS	507.7318	3	174.00	A
	LANDSCAPE MAINTENANCE	24.2194			
	RANGELAND	37.5692	3	1,300.00	A
	RIGHTS OF WAY	18.9670			
	UNCULTIVATED NON-AG	35.0160	1	1.00	A
	Chemical Total	623.5034	7		
<b>2,4-DB ACID</b>					
	ALFALFA	4,781.9220	129	8,867.83	A
	PASTURELAND	7.5000	1	5.00	A
	Chemical Total	4,789.4220	130		
<b>2,4-D, BUTOXYETHANOL ESTER</b>					
	BARLEY	121.7627	12	375.70	A
	CORN (FORAGE - FODDER)	4.2211	2	21.00	A
	COUNTY AG COMM	55.2050	1	200.00	A
	FORAGE HAY/SILAGE	211.5731	3	284.50	A
	FOREST, TIMBERLAND	82.3510	2	86.00	A
	GRAIN	41.1755	1	60.00	A
	LANDSCAPE MAINTENANCE	65.6830			
	N-OUTDR PLANTS IN CONTAINERS	47.0303	5	63.60	A
	PASTURELAND	428.5689	9	304.00	A
	RANGELAND	77.4192	2	98.75	A
	REGULATORY PEST CONTROL	766.0995			
		739.2248		635.50	A
	TOTAL POUNDS ON THIS COMMODITY	1,505.3243			
	RIGHTS OF WAY	1,424.9618			
	SORGHUM (FORAGE - FODDER)	19.2152	1	28.00	A
	STRUCTURAL PEST CONTROL	16.4702			
	UNCULTIVATED AG	92.0292	7	257.30	A
	VERTEBRATE CONTROL	28.8228			
	WHEAT	615.6541	26	1,621.00	A
	Chemical Total	4,837.4674	71		
<b>2,4-D, DIETHANOLAMINE SALT</b>					
	ALMOND	2,589.7618	339	12,196.61	A
	APPLE	79.5698	13	400.00	A
	CHERRY	186.5116	42	944.58	A
	LANDSCAPE MAINTENANCE	0.0059			
	NECTARINE	2.1205	3	13.00	A
	OAT	32.1729	2	27.00	A
	PASTURELAND	38.4000	4	1,213.00	A
	PEACH	197.9616	25	591.00	A
	PEAR	196.9381	24	888.60	A
	PISTACHIO	345.7520	7	608.00	A

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<b>2,4-D, DIETHANOLAMINE SALT</b>					
	PLUM	197.1065	15	580.13	A
	PRUNE	289.5004	31	1,060.80	A
	REGULATORY PEST CONTROL	0.6059			
	RIGHTS OF WAY	1.2116	1	3.00	A
	UNCULTIVATED AG	8.0782	1	2.00	A
	UNCULTIVATED NON-AG	0.4039	1	2.50	A
	WALNUT	856.0135	161	4,198.81	A
	Chemical Total	5,022.1142	669		
<b>2,4-D, DIMETHYLAMINE SALT</b>					
	ALFALFA	606.6729	11	680.00	A
	ALMOND	74,762.4765	2,515	108,402.54	A
	APPLE	354.3142	27	765.30	A
	APRICOT	255.7814	47	596.80	A
	ASPARAGUS	140.5947	10	209.00	A
	BARLEY	16,213.9762	298	20,453.58	A
		0.3376	1	25,264.00	S
	TOTAL POUNDS ON THIS COMMODITY	16,214.3138			
	BARLEY (FORAGE - FODDER)	630.9972	9	797.00	A
	BERMUDAGRASS	9,305.6417	107	7,031.00	A
	CHERRY	1,537.8009	104	2,346.00	A
	CHESTNUT	16.2853	2	20.00	A
	CITRUS	130.3608	8	101.60	A
	CLOVER	905.4216	23	879.00	A
	CORN (FORAGE - FODDER)	9,046.6050	240	14,805.30	A
	CORN, HUMAN CONSUMPTION	2,177.3941	66	3,406.00	A
	DITCH BANK	11.2528	1	10.00	A
	FIG	11.6280	1	45.00	A
	FORAGE HAY/SILAGE	10,541.9534	187	11,846.41	A
	FOREST, TIMBERLAND	9.6019	6	14.49	A
	GRAIN	687.1722	18	774.00	A
	GRAPE	9,117.5038	589	22,427.27	A
	GRAPE, WINE	5,909.5813	177	12,101.23	A
	GRAPEFRUIT	315.6518	19	279.90	A
	GRASS, SEED	86.2703	5	89.60	A
	LANDSCAPE MAINTENANCE	15,533.2615			
		109.2208	5	77.50	A
	TOTAL POUNDS ON THIS COMMODITY	15,642.4823			
	LEMON	272.3618	25	593.50	A
	N-GRNHS PLANTS IN CONTAINERS	4.5011	2	2.00	A
	N-OUTDR FLOWER	863.3790	50	398.40	A
	N-OUTDR PLANTS IN CONTAINERS	1,809.4553	135	1,418.69	A
		0.0739	1	20,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,809.5292			
	N-OUTDR TRANSPLANTS	675.8013	45	474.82	A
	NECTARINE	5,466.6116	832	8,757.87	A
	OAT	11,627.6480	375	14,481.70	A
	OAT (FORAGE - FODDER)	7,425.9165	229	9,798.11	A
	OLIVE	4.6633	2	59.00	A
	ORANGE	6,099.4747	372	8,698.68	A
	PASTURELAND	13,280.8239	314	16,402.01	A
	PEACH	7,354.1337	916	10,541.35	A
	PEAR	1,301.2787	56	1,610.10	A
	PECAN	43.7846	3	39.00	A
	PISTACHIO	3,537.0765	169	5,982.60	A
	PLUM	5,907.7901	619	8,821.58	A
	PRUNE	5,195.5562	246	9,050.91	A
	PUMPKIN	5.4858	1	6.50	A
	RANGELAND	6,136.0893	97	8,780.97	A
	RECREATION AREA	15.3475	2	39.00	A
	REGULATORY PEST CONTROL	5,001.8552		1,196.94	A
		1,645.1663			
		2.0147		0.17	U
		0.0045		283.50	S
	TOTAL POUNDS ON THIS COMMODITY	6,649.0407			

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<b>2,4-D, DIMETHYLAMINE SALT</b>					
	RESEARCH COMMODITY	310.6500	10	171.00	A
		43.7061			
	TOTAL POUNDS ON THIS COMMODITY	354.3561			
	RESIDENTIAL	45.0114	1	40.00	A
	RICE	6,742.3101	298	20,960.20	A
	RIGHTS OF WAY	40,976.3486			
		486.0007	20	527.50	A
	TOTAL POUNDS ON THIS COMMODITY	41,462.3493			
	RYE	1,428.8846	44	1,810.40	A
	RYEGRASS	6,024.9530	137	7,281.00	A
	SAFFLOWER	131.6583	4	130.00	A
	SOIL FUMIGATION/PREPLANT	4,721.6404	127	6,233.90	A
	SORGHUM (FORAGE - FODDER)	1,867.7893	59	3,062.00	A
	SORGHUM/MILO	347.5207	18	617.20	A
	STONE FRUIT	0.1056	1	0.50	A
	STRUCTURAL PEST CONTROL	1,546.4988			
	SUDANGRASS	659.4635	32	1,078.50	A
	TANGELO	2.5618	2	45.00	A
	TANGERINE	69.7378	9	92.00	A
	TURF/SOD	4,028.1534	211	3,661.09	A
	UNCULTIVATED AG	29,279.1224	437	37,148.84	A
	UNCULTIVATED NON-AG	1,411.6457	34	1,142.50	A
	VERTEBRATE CONTROL	44.4832			
	WALNUT	14,182.6181	817	24,358.68	A
	WATER AREA	740.7321	2	255.50	A
	WHEAT	105,629.8565	1,993	118,948.96	A
	WHEAT (FORAGE - FODDER)	7,819.9796	166	10,158.52	A
	Chemical Total	470,635.4831	13,389		
<b>2,4-D, 2-ETHYLHEXYL ESTER</b>					
	BARLEY	614.2822	14	739.90	A
	CORN (FORAGE - FODDER)	156.5440	3	162.00	A
	FORAGE HAY/SILAGE	113.4971	3	157.00	A
	FOREST, TIMBERLAND	6,064.8952	171	4,535.10	A
	GRAIN	64.4952	1	45.00	A
	LANDSCAPE MAINTENANCE	4,159.3208			
		0.2212	1	6.00	A
	TOTAL POUNDS ON THIS COMMODITY	4,159.5420			
	N-OUTDR FLOWER	5.0339	2	1.50	A
	OAT	450.8876	6	317.00	A
	PASTURELAND	1,631.1445	25	1,446.50	A
	PUBLIC HEALTH	1.5730	1	8.00	A
	RANGELAND	680.5757	5	2,035.00	A
	REGULATORY PEST CONTROL	503.8555		288.00	A
		189.1347			
	TOTAL POUNDS ON THIS COMMODITY	692.9902			
	RIGHTS OF WAY	144.4585			
		1.4135	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	145.8720			
	SORGHUM (FORAGE - FODDER)	165.2989	6	236.00	A
	STRUCTURAL PEST CONTROL	54.6863			
	TURF/SOD	173.5827	76	776.20	A
		0.1936	1	21,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	173.7763			
	UNCULTIVATED AG	359.4323	10	274.00	A
	UNCULTIVATED NON-AG	42.9968	1	59.20	A
	WHEAT	5,238.1217	120	9,274.35	A
	Chemical Total	20,815.6449	447		
<b>2,4-D, ISOCTYL ESTER</b>					
	FORAGE HAY/SILAGE	18.0718	1	25.00	A
	FOREST, TIMBERLAND	8,561.7843	181	5,907.66	A
	GRAIN	187.9465	1	140.00	A
	GRAPE, WINE	2.6400	1	20.00	A
	LANDSCAPE MAINTENANCE	28.4940			
	PASTURELAND	266.7010	3	269.50	A

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<b>2,4-D, ISOCTYL ESTER</b>					
	RANGELAND	386.9091	23	721.00	A
	RIGHTS OF WAY	200.0147			
	RYE	15.1803	1	14.00	A
	STRUCTURAL PEST CONTROL	0.0784			
	UNCULTIVATED AG	304.3506	3	303.00	A
	WHEAT	67.1230	2	102.00	A
	Chemical Total	10,039.2937	216		
<b>2,4-D, ISOPROPYL ESTER</b>					
	CITRUS	47.1762		5,963.20	T
		9.8484		44,055.00	U
		6.0485	10	166.56	A
		3.7623		16,830.00	C
	TOTAL POUNDS ON THIS COMMODITY	66.8354			
	GRAPEFRUIT	259.3443	149	3,170.73	A
	LANDSCAPE MAINTENANCE	49.1680			
	LEMON	442.8494		237,930.29	T
		150.4898	127	3,067.83	A
		11.0656		6,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	604.4048			
	ORANGE	7,392.2732	4,086	107,497.62	A
		4.6107		684.00	T
	TOTAL POUNDS ON THIS COMMODITY	7,396.8839			
	STRUCTURAL PEST CONTROL	408.6885			
	TANGELO	277.9798	194	3,887.26	A
	TANGERINE	2.3733	9	79.90	A
	Chemical Total	9,065.6780	4,575		
<b>2,4-D, PROPYL ESTER</b>					
	GRAPEFRUIT	0.8763	1	20.10	A
	LEMON	0.4579	2	41.40	A
	ORANGE	466.1547	286	8,582.15	A
	TANGELO	4.6354	4	36.00	A
	Chemical Total	472.1243	293		
<b>2,4-D, TRIETHYLAMINE SALT</b>					
	ALMOND	313.8682	16	617.00	A
	CHESTNUT	2.4268	1	3.20	A
	GRAPE	0.0000	1	20.00	A
	GRAPE, WINE	25.8860	1	4.00	A
	RIGHTS OF WAY	8.6287			
	WALNUT	35.5933	2	33.00	A
	Chemical Total	386.4030	21		
<b>2,4-D, TRIISOPROPANOLAMINE SALT</b>					
	ASPARAGUS	217.8994	10	209.00	A
	LANDSCAPE MAINTENANCE	493.7370			
	REGULATORY PEST CONTROL	0.6545			
	RIGHTS OF WAY	29.2829			
	Chemical Total	741.5738	10		
<b>DALAPON, MAGNESIUM SALT</b>					
	GRAPE	2.1150	2	54.00	A
	Chemical Total	2.1150	2		
<b>DALAPON, SODIUM SALT</b>					
	GRAPE	12.7781	2	54.00	A
	PUBLIC HEALTH	3.0281			
	Chemical Total	15.8062	2		

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<b>DAMINOZIDE</b>					
	N-GRNHS FLOWER	486.8890	294	185.55	A
		305.3136	99	2,232,850.00	S
	TOTAL POUNDS ON THIS COMMODITY	792.2026			
	N-GRNHS PLANTS IN CONTAINERS	3,091.5486	1,179	999.07	A
		1,519.0159	1,291	13,972,141.00	S
		34.4250	2	81,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,644.9895			
	N-GRNHS TRANSPLANTS	246.7723	423	3,965,175.00	S
		165.1996	81	33.14	A
	TOTAL POUNDS ON THIS COMMODITY	411.9719			
	N-OUTDR FLOWER	258.3894	55	2,120,672.00	S
		7.9212	17	10.95	A
	TOTAL POUNDS ON THIS COMMODITY	266.3106			
	N-OUTDR PLANTS IN CONTAINERS	2,137.2127	476	568.46	A
		925.8682	302	6,589,124.59	S
		4.7813	1	9,900.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,067.8622			
	N-OUTDR TRANSPLANTS	283.4492	229	171.37	A
		111.3403	63	1,345,510.00	S
	TOTAL POUNDS ON THIS COMMODITY	394.7895			
	RESEARCH COMMODITY	4.0301	41	1.91	A
	Chemical Total	9,582.1564	4,553		
<b>DAZOMET</b>					
	FUMIGATION, OTHER	15.8400	1	1,950.00	S
		1.0989			
	TOTAL POUNDS ON THIS COMMODITY	16.9389			
	GRAPE, WINE	57.8841	3	77.00	A
	HERB, SPICE	158.4000	2	0.66	A
	LANDSCAPE MAINTENANCE	4,773.3840			
	N-GRNHS FLOWER	1,614.4425	13	8.51	A
		544.5000	4	263.00	U
		79.2000	2	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,238.1425			
	N-OUTDR FLOWER	15,545.1656	32	108.99	A
		481.0410	10	77,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	16,026.2066			
	N-OUTDR PLANTS IN CONTAINERS	33.7219	2	100.50	A
		9.9000	1	1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	43.6219			
	RIGHTS OF WAY	35,110.5427			
	SOIL FUMIGATION/PREPLANT	19.7827		1,243.84	S
		2.2028		127.98	C
	TOTAL POUNDS ON THIS COMMODITY	21.9855			
	TURF/SOD	45.0450	1	0.13	A
	Chemical Total	58,492.1512	71		
<b>4(2,4-DB), DIMETHYLAMINE SALT</b>					
	ALFALFA	35,118.7289	927	50,422.39	A
	CLOVER	697.1827	16	520.30	A
	LANDSCAPE MAINTENANCE	14.0451			
	RIGHTS OF WAY	17.5564			
	Chemical Total	35,847.5131	943		
<b>DDVP</b>					
	ALMOND	1.3851		1,027.00	P
		1.3247		1.00	A
		0.9052		2,560.00	C
	TOTAL POUNDS ON THIS COMMODITY	3.6150			
	ANIMAL PREMISE	721.3369		160,293.00	U
		220.8241		1,528.48	A
		0.0000		55.19	S
	TOTAL POUNDS ON THIS COMMODITY	942.1610			
	CHICKEN	5.5098		23.00	U
	COMMODITY FUMIGATION	146.0953			



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<b>DDVP</b>					
	FOOD PROCESSING PLANT	261.3300		57,225.00	K
		147.9159		2,863,300.00	S
		124.6200		5,150,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	533.8659			
	FUMIGATION, OTHER	59.3002			
	GRAPE, WINE	0.0469	1	10.00	A
	LANDSCAPE MAINTENANCE	230.4880			
	N-OUTDR FLOWER	0.0977	1	1.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.0018	1	3.00	A
	POULTRY	14.6928		8.00	U
		8.8298		11.00	A
	TOTAL POUNDS ON THIS COMMODITY	23.5226			
	PUBLIC HEALTH	0.1053			
	REGULATORY PEST CONTROL	1.7660			
	RESEARCH COMMODITY	23.1092			
	RIGHTS OF WAY	1.2500			
	STORAGE AREA/BOX	35.9512		880,000.00	C
		15.4312		195,000.00	S
		4.7582		3,250.00	T
		3.5326		12.00	A
	TOTAL POUNDS ON THIS COMMODITY	59.6732			
	STRUCTURAL PEST CONTROL	1,775.5823			
	TURKEY	0.0345	1	2,600.00	S
	UNKNOWN	0.9300		100,000.00	C
	Chemical Total	3,807.1547	4		
<b>DDVP, OTHER RELATED</b>					
	ALMOND	0.1043		1,027.00	P
		0.0997		1.00	A
		0.0681		2,560.00	C
	TOTAL POUNDS ON THIS COMMODITY	0.2721			
	ANIMAL PREMISE	53.9639		160,293.00	U
		16.4857		1,528.48	A
		0.0000		55.19	S
	TOTAL POUNDS ON THIS COMMODITY	70.4496			
	CHICKEN	0.4158		23.00	U
	COMMODITY FUMIGATION	10.0098			
	FOOD PROCESSING PLANT	19.6700		57,225.00	K
		11.1335		2,863,300.00	S
		9.3800		5,150,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	40.1835			
	FUMIGATION, OTHER	4.4705			
	GRAPE, WINE	0.0038	1	10.00	A
	LANDSCAPE MAINTENANCE	17.2356			
	N-OUTDR FLOWER	0.0074	1	1.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.0001	1	3.00	A
	POULTRY	1.1089		8.00	U
		0.6664		11.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.7753			
	PUBLIC HEALTH	0.0078			
	REGULATORY PEST CONTROL	0.1333			
	RESEARCH COMMODITY	1.7248			
	RIGHTS OF WAY	0.0935			
	STORAGE AREA/BOX	0.9218		880,000.00	C
		0.6367		195,000.00	S
		0.2659		12.00	A
		0.1220		3,250.00	T
	TOTAL POUNDS ON THIS COMMODITY	1.9464			
	STRUCTURAL PEST CONTROL	130.3128			
	TURKEY	0.0026	1	2,600.00	S
	UNKNOWN	0.0700		100,000.00	C
	Chemical Total	279.1147	4		

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<b>(E)-5-DECENOL</b>					
	APRICOT	0.0312	6	35.75	A
	NECTARINE	2.1418	39	260.25	A
	PEACH	2.0298	53	327.68	A
	PLUM	0.5159	27	133.05	A
	STONE FRUIT	0.0540	2	52.00	A
	Chemical Total	4.7727	127		
<b>(E)-5-DECENYL ACETATE</b>					
	APRICOT	0.1505	6	35.75	A
	NECTARINE	10.2831	39	260.25	A
	PEACH	9.7469	53	327.68	A
	PLUM	2.4796	27	133.05	A
	STONE FRUIT	0.2598	2	52.00	A
	Chemical Total	22.9199	127		
<b>(R,Z)-5-(1-DECENYL) DIHYDRO-2-(3H)-FURANONE</b>					
	GRAPE, WINE	0.1410	1	15.00	A
	Chemical Total	0.1410	1		
<b>ALPHA-DECYL-OMEGA-HYDROXYPOLY (OXYETHYLENE)</b>					
	ALFALFA	10.5080	2	194.00	A
	ALMOND	29.8715	5	269.00	A
	APRICOT	8.3432	3	37.40	A
	ASPARAGUS	251.4787	3	475.40	A
	CHERRY	1.5169	3	20.00	A
	CORN (FORAGE - FODDER)	7.8525	5	152.00	A
	COTTON	236.3020	19	1,231.11	A
	GRAPE	15.4765	2	135.00	A
	RIGHTS OF WAY	92.9357			
	TOMATO, PROCESSING	3.7692	2	84.40	A
	UNCULTIVATED AG	6.2820	3	88.00	A
	WALNUT	17.8314	12	415.00	A
	Chemical Total	682.1676	59		
<b>ALPHA-DECYL-OMEGA-HYDROXYPOLY (OXYETHYLENE) PHOSPHATE</b>					
	ALFALFA	37.1665	54	3,425.00	A
	ALMOND	65.3862	19	763.00	A
	CARROT	4.5898	8	207.60	A
	COTTON	16.1797	5	399.33	A
	DATE	0.3058	1	5.50	A
	ONION, DRY	6.4037	27	167.50	A
	PEACH	1.4179	3	25.50	A
	PERSIMMON	1.6403	5	29.50	A
	PRUNE	5.6683	4	122.50	A
	RIGHTS OF WAY	6.0468			
	WALNUT	0.0463	2	20.00	A
	WHEAT (FORAGE - FODDER)	20.5152	12	553.00	A
	Chemical Total	165.3665	140		
<b>DEET</b>					
	LANDSCAPE MAINTENANCE	2,027.7830			
	Chemical Total	2,027.7830			
<b>DEET, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	106.7254			
	Chemical Total	106.7254			

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<b>DELTAMETHRIN</b>					
	ANIMAL PREMISE	0.2000		100,000.00	S
	COMMODITY FUMIGATION	0.3190			
	COTTON	19.3745	9	767.00	A
	FOOD PROCESSING PLANT	0.0013		1,600.00	S
		0.0008		1.50	P
	TOTAL POUNDS ON THIS COMMODITY	0.0021			
	INDUSTRIAL SITE	0.0120		1,000.00	S
	LANDSCAPE MAINTENANCE	326.5505			
	N-GRNHS FLOWER	0.0058	4	0.57	A
	N-GRNHS PLANTS IN CONTAINERS	3.6535	121	150.64	A
		0.2012	3	92,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.8547			
	N-GRNHS TRANSPLANTS	0.3707	48	60.94	A
	N-OUTDR FLOWER	1.5038	12	35.00	A
	N-OUTDR PLANTS IN CONTAINERS	83.8465	758	1,393.83	A
		0.2454	6	126,400.00	S
		0.1170	5	75,950.00	U
	TOTAL POUNDS ON THIS COMMODITY	84.2089			
	N-OUTDR TRANSPLANTS	0.0454	2	1.50	A
	PUBLIC HEALTH	38.2664			
	REGULATORY PEST CONTROL	0.1117			
	RIGHTS OF WAY	0.2731			
	STRUCTURAL PEST CONTROL	12,132.2084			
	UNCULTIVATED NON-AG	0.0008	2	1.00	A
		0.0005	1	0.50	S
	TOTAL POUNDS ON THIS COMMODITY	0.0013			
	VERTEBRATE CONTROL	0.1705			
	Chemical Total	12,607.4788	971		
<b>DELTAMETHRIN, OTHER RELATED</b>					
	STRUCTURAL PEST CONTROL	1.3819			
	Chemical Total	1.3819			
<b>DENATONIUM BENZOATE</b>					
	LANDSCAPE MAINTENANCE	0.0683			
	Chemical Total	0.0683			
<b>DERIVATED NATURAL POLYMERS</b>					
	ALFALFA	3.9999	30	1,780.50	A
	ALMOND	15.4686	25	1,935.60	A
	BARLEY	2.0304	13	676.70	A
	CANTALOUPE	0.2344	1	78.00	A
	CORN (FORAGE - FODDER)	1.1916	13	788.00	A
	CORN, HUMAN CONSUMPTION	0.4712	1	209.50	A
	COTTON	29.9098	252	15,743.28	A
	FORAGE HAY/SILAGE	1.0200	5	318.00	A
	FOREST, TIMBERLAND	0.0600	1	25.00	A
	GARLIC	0.7704	1	154.00	A
	LANDSCAPE MAINTENANCE	0.2100			
	OAT	2.6228	5	514.00	A
	OAT (FORAGE - FODDER)	1.1112	10	640.00	A
	PASTURELAND	0.6298	3	95.00	A
	RICE	14.1711	88	2,557.25	A
	SQUASH, WINTER	0.1480	1	37.00	A
	STRAWBERRY	3.4400	2	45.00	A
	SUDANGRASS	0.4550	2	91.00	A
	SUGARBEET	0.4776	3	91.00	A
	TOMATO	0.4504	1	200.00	A
	TOMATO, PROCESSING	0.1416	1	47.10	A
	UNCULTIVATED AG	0.4256	7	117.00	A
	VEGETABLES, LEAFY	0.6264	20	887.00	A
	WALNUT	2.2714	8	345.60	A

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<b>DERIVATED NATURAL POLYMERS</b>					
	WHEAT	5.1926	28	2,022.20	A
	WHEAT (FORAGE - FODDER)	3.6302	22	989.90	A
	Chemical Total	91.1600	543		
<b>DESMEDIPHAM</b>					
	RESEARCH COMMODITY	0.2960			
	SUGARBEET	3,746.2268	526	35,937.70	A
	Chemical Total	3,746.5228	526		
<b>DEXTRIN</b>					
	LANDSCAPE MAINTENANCE	0.0678			
	Chemical Total	0.0678			
<b>N-DIALKYL (60%C14, 30%C16, 5%C12, 5%C18) METHYL BENZYL AMMONIUM CHLORIDE</b>					
	LANDSCAPE MAINTENANCE	0.3408			
	N-GRNHS TRANSPLANTS	0.0006	2	20,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.2099	1	1.98	A
	STRUCTURAL PEST CONTROL	6.1321			
	WATER (INDUSTRIAL)	19.7562		4.00	U
	Chemical Total	26.4396	3		
<b>DIAMMONIUM PHOSPHATE</b>					
	ALFALFA	260.9720	172	12,066.25	A
	ALMOND	1,276.0118	38	2,512.80	A
	APRICOT	7.1210	3	90.00	A
	BERMUDAGRASS	6.3242	2	126.00	A
	BROCCOLI	5.0960	9	241.60	A
	CANTALOUPE	40.7908	9	598.00	A
	CARROT	2.5297	2	66.00	A
	CHINESE CABBAGE (NAPPA)	0.0593	1	2.40	A
	CORN (FORAGE - FODDER)	60.9017	4	336.00	A
	COTTON	538.0849	54	3,945.90	A
	CUCUMBER	30.3560	4	36.00	A
	DATE	1.2451	1	80.00	A
	ENDIVE (ESCAROLE)	0.2000	2	12.40	A
	GRAPE	1,516.9489	279	8,242.36	A
	GRAPE, WINE	53.7554	3	100.00	A
	LANDSCAPE MAINTENANCE	0.3162			
	LETTUCE, HEAD	15.8104	15	519.30	A
	LETTUCE, LEAF	0.3162	2	21.06	A
	MUSTARD	0.1379	2	9.16	A
	N-OUTDR PLANTS IN CONTAINERS	6.6404	7	5.25	A
	ONION, DRY	3.7945	3	175.00	A
	ORANGE	149.6803	35	984.17	A
	PEACH	24.8540	1	39.30	A
	PEPPER, FRUITING	2.3674	10	138.60	A
	PISTACHIO	331.7402	10	897.00	A
	POTATO	21.3504	6	465.50	A
	PUMPKIN	9.4862	1	15.00	A
	RAPPINI	96.1273	33	2,216.80	A
	RICE	184.9185	5	292.40	A
	SPINACH	0.5464	2	38.29	A
	SQUASH	49.3285	8	59.00	A
	SQUASH, SUMMER	4.9328	2	12.00	A
	STRAWBERRY	1.2648	1	32.00	A
	SUDANGRASS	1.2648	1	68.00	A
	SUGARBEET	87.2759	40	2,815.00	A
	SWISS CHARD	0.1328	2	8.78	A
	TANGELO	1.2648	1	5.00	A
	TANGERINE	1,098.8863	89	7,032.76	A
	TOMATO	17.7576	24	925.20	A
		0.0394	1	3.00	U
TOTAL POUNDS ON THIS COMMODITY		17.7970			

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<b>DIAMMONIUM PHOSPHATE</b>					
	WATERMELON	89.9549	7	110.00	A
	WHEAT	6.4759	3	170.00	A
	Chemical Total	6,007.0616	894		
<b>DIATOMACEOUS EARTH</b>					
	ANIMAL PREMISE	2,033.5880		103.67	A
		33.1600		2.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,066.7480			
	APPLE	16.4900	1	4.00	A
	ARRUGULA	51.9435	11	29.50	A
	BEAN, SUCCULENT	1.7727	4	0.40	A
	BOK CHOY	36.1131	5	7.35	A
	BROCCOLI	71.3193	2	14.42	A
	CHICORY	326.3371	18	104.90	A
	EGGPLANT	1.7727	4	0.40	A
	ENDIVE (ESCAROLE)	8.0389	1	3.25	A
	GRAPE	152.5325	1	37.00	A
	GRAPE, WINE	625.7560	2	80.94	A
	LANDSCAPE MAINTENANCE	105.5154			
	LETTUCE, HEAD	150.6001	24	79.00	A
	LETTUCE, LEAF	1,310.1305	59	711.35	A
	MIZUNA	157.8918	23	81.00	A
	MUSHROOM	51.1190	2	96,740.00	S
	MUSTARD	880.5660	67	436.75	A
	N-GRNHS FLOWER	4.1650	3	217,880.00	S
	N-GRNHS TRANSPLANTS	0.3051	1	0.25	A
	N-OUTDR FLOWER	7.2888	6	381,150.00	S
	N-OUTDR PLANTS IN CONTAINERS	46.1720	3	4.00	A
		0.1875	1	9,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	46.3595			
	NECTARINE	4.9470	1	6.00	A
	PEACH	2.0613	1	2.50	A
	PEPPER, FRUITING	1.7727	4	0.40	A
	PLUM	10.7185	1	13.00	A
	POMEGRANATE	13,620.2047	27	5,536.25	A
	POTATO	953.6662	3	182.46	A
	POULTRY	667.8450		35.00	A
	RASPBERRY	394.6882	14	116.80	A
	SPINACH	553.9847	58	318.55	A
	STRAWBERRY	852.8030	14	199.80	A
	STRUCTURAL PEST CONTROL	55.3770			
	SWISS CHARD	32.1555	12	10.75	A
	TOMATO	158.3040	6	77.50	A
	TURNIP	54.0048	5	24.00	A
	UNKNOWN	212.5149	14	130.54	A
	VEGETABLES, LEAFY	19.9920	2	8.00	A
	Chemical Total	23,667.8045	400		
<b>DIATOMACEOUS EARTH, OTHER RELATED</b>					
	GRAPE, WINE	62.5000	1	62.50	A
	Chemical Total	62.5000	1		
<b>DIAZINON</b>					
	ALFALFA	9.9960	1	39.00	A
	ALMOND	55,868.5752	542	30,078.06	A
	ANIMAL PREMISE	9.0000		2.00	U
	APPLE	4,245.3908	214	2,705.47	A
		0.2044	1	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,245.5952			
	APRICOT	2,409.9253	112	1,454.92	A
		0.7975	4	86.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,410.7228			
	BEAN, DRIED	29.6250	1	39.50	A
	BEAN, SUCCULENT	4,238.8018	89	1,161.93	A
	BEAN, UNSPECIFIED	1,699.1541	38	592.28	A

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<b>DIAZINON</b>					
	BEET	328.6596	103	190.05	A
	BLACKBERRY	641.3663	71	452.48	A
	BLUEBERRY	947.9780	12	912.10	A
	BOK CHOY	322.1681	333	769.04	A
	BROCCOLI	23,807.6035	1,180	21,736.65	A
	BRUSSELS SPROUT	1,689.0872	236	2,988.95	A
	CABBAGE	1,982.3507	218	2,646.58	A
	CANOLA (RAPE)	14.9940	1	20.00	A
	CANTALOUPE	6,603.1464	105	9,455.00	A
	CARROT	5,750.3611	139	6,069.90	A
	CAULIFLOWER	6,781.9973	500	5,516.09	A
	CELERY	59.4314	6	39.49	A
	CHERRY	6,275.7455	215	3,826.05	A
		0.0975	2	16.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,275.8430			
	CHICORY	8.0060	1	8.00	A
	CHINESE CABBAGE (NAPPA)	539.7402	335	1,036.79	A
	CHINESE GREENS	1.5831	1	5.00	A
	CHRISTMAS TREE	6.4940	9	44.00	A
	COLLARD	103.3989	18	127.45	A
	CORN (FORAGE - FODDER)	15.1560	2	24.00	A
	CORN, HUMAN CONSUMPTION	5,191.6097	200	6,283.95	A
	CUCUMBER	99.4090	11	270.75	A
	DAIKON	4.7409	11	14.87	A
	ENDIVE (ESCAROLE)	991.0031	548	1,467.95	A
	FENNEL	1.6378	1	0.50	A
	GAI LON	40.9001	16	75.00	A
	GRAPE	3,382.3735	124	3,264.20	A
	GRAPE, WINE	4,919.1568	137	5,003.40	A
	HERB, SPICE	0.5031	4	45,000.00	S
	KALE	832.9859	153	1,414.61	A
	LANDSCAPE MAINTENANCE	3,669.6560			
		5.2729	2	11.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,674.9289			
	LEEK	32.7526	17	61.30	A
	LETTUCE, HEAD	87,027.4752	9,734	148,924.86	A
		0.0004	1	10.00	S
	TOTAL POUNDS ON THIS COMMODITY	87,027.4756			
	LETTUCE, LEAF	80,696.7430	11,724	128,792.41	A
	MELON	1,622.0871	73	4,225.70	A
	MUSHROOM	1,290.3125	259	3,173,000.00	S
	MUSHROOM HOUSE	294.0000	9	10.90	A
		113.6722		1,480,682.00	S
	TOTAL POUNDS ON THIS COMMODITY	407.6722			
	MUSTARD	700.7562	47	491.30	A
	N-GRNHS FLOWER	474.1643	215	647.11	A
		189.4356	71	3,178,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	663.5999			
	N-GRNHS PLANTS IN CONTAINERS	427.0831	235	322.12	A
		329.9076	86	2,553,988.00	S
	TOTAL POUNDS ON THIS COMMODITY	756.9907			
	N-GRNHS TRANSPLANTS	30.5802	94	126.18	A
		26.7507	127	1,991,271.00	S
	TOTAL POUNDS ON THIS COMMODITY	57.3309			
	N-OUTDR FLOWER	249.7382	165	462.52	A
		1.9171	7	28,700.00	S
		0.1899	3	600.00	U
	TOTAL POUNDS ON THIS COMMODITY	251.8452			
	N-OUTDR PLANTS IN CONTAINERS	2,142.4596	668	2,658.49	A
		18.3453	18	210,950.00	S
		2.4965	15	5,211.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,163.3014			
	N-OUTDR TRANSPLANTS	35.4066	25	39.82	A
		28.1199	75	2,514,895.00	S
		1.2647	6	5,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	64.7912			

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<b>DIAZINON</b>					
	NECTARINE	6,040.7469	260	3,259.33	A
		0.5000	1	50.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,041.2469			
	ONION, DRY	12,472.9998	348	14,974.97	A
	ONION, GREEN	1,746.3019	170	1,312.75	A
	ORANGE	25.0000	1	15.00	A
	PARSLEY	2.4450	2	4.90	A
	PEACH	25,454.7484	667	13,458.44	A
		1.5225	2	137.00	U
	TOTAL POUNDS ON THIS COMMODITY	25,456.2709			
	PEAR	3,895.0838	95	3,304.15	A
		0.1135	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,895.1973			
	PEAS	361.1093	105	879.35	A
	PEPPER, FRUITING	3,367.7855	90	2,035.40	A
	PEPPER, SPICE	432.8466	10	122.70	A
	PERSIMMON	0.0453	1	2.00	U
	PLUM	4,352.4065	162	2,178.40	A
		0.0932	2	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,352.4997			
	POTATO	8.1900	4	2.10	A
	PRUNE	28,270.4003	261	12,161.36	A
	PUBLIC HEALTH	0.6990			
	RADISH	917.6404	90	349.00	A
	RANGELAND	7.0000	1	5.00	A
	RAPPINI	1,407.9350	149	3,091.20	A
	RASPBERRY	991.7795	65	709.86	A
	REGULATORY PEST CONTROL	17.7775			
	RESEARCH COMMODITY	124.9111			
		0.1870	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	125.0981			
	RIGHTS OF WAY	121.8668			
	SMALL FRUITS/BERRY	0.1005	2	0.20	A
	SOIL FUMIGATION/PREPLANT	20.0000	1	10.00	A
	SPINACH	27,855.2750	1,603	12,027.99	A
		15.8752	1	4.00	?
	TOTAL POUNDS ON THIS COMMODITY	27,871.1502			
	SQUASH	69.2434	13	101.00	A
	SQUASH, SUMMER	188.4431	7	61.80	A
	STONE FRUIT	2.0000	1	1.00	A
	STRAWBERRY	1,471.9883	81	1,652.42	A
	STRUCTURAL PEST CONTROL	19,860.0495			
	SUGARBEET	11,467.6436	364	23,367.70	A
	SWISS CHARD	57.1377	14	25.95	A
	TOMATO	475.1342	38	616.00	A
	TOMATO, PROCESSING	11,674.9889	204	10,583.03	A
	TURNIP	75.3808	26	33.95	A
		0.0620	1	3,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	75.4428			
	UNCULTIVATED AG	54.5465	3	30.15	A
	UNCULTIVATED NON-AG	3.0008	2	2.50	A
	UNKNOWN	18.7725	1	6.30	A
	VERTEBRATE CONTROL	2.0787			
	WALNUT	8,328.9440	146	4,631.78	A
	WATERMELON	1,121.8563	51	1,286.40	A
	Chemical Total	492,050.3980	34,417		
<b>2,2-DIBROMO-3-NITRILOPROPIONAMIDE</b>					
	LANDSCAPE MAINTENANCE	185.1572			
	STRUCTURAL PEST CONTROL	1,431.9825			
	WATER (INDUSTRIAL)	6,197.9523		24.00	U
	Chemical Total	7,815.0920			

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<b>DICAMBA</b>					
	GRAPE, WINE	0.1440	1	15.00	A
	LANDSCAPE MAINTENANCE	760.8382			
		1.3202	3	77.00	A
	TOTAL POUNDS ON THIS COMMODITY	762.1584			
	N-GRNHS TRANSPLANTS	0.0044		220.00	S
	N-OUTDR PLANTS IN CONTAINERS	1.5129	5	20.00	A
	PUBLIC HEALTH	0.1005	1	8.00	A
	RIGHTS OF WAY	2.3809			
		0.4521	3	8.09	A
	TOTAL POUNDS ON THIS COMMODITY	2.8330			
	STRUCTURAL PEST CONTROL	12.3984			
	TURF/SOD	16.1709	87	852.20	A
		0.0124	1	21,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.1833			
	Chemical Total	795.3349	101		
<b>DICAMBA, OTHER RELATED</b>					
	N-GRNHS TRANSPLANTS	0.0008		220.00	S
	Chemical Total	0.0008			
<b>DICAMBA, DIMETHYLAMINE SALT</b>					
	ALFALFA	27.0027	2	208.00	A
	ASPARAGUS	16.4241	3	110.00	A
	BARLEY	834.9795	130	10,141.70	A
	BARLEY (FORAGE - FODDER)	54.8984	7	422.00	A
	CLOVER	6.3707	3	128.00	A
	CORN (FORAGE - FODDER)	8,941.6853	536	28,909.48	A
	CORN, HUMAN CONSUMPTION	160.2323	13	391.28	A
	FORAGE HAY/SILAGE	1,378.8590	83	5,659.95	A
	GRAIN	42.7720	3	205.00	A
	GRAPE, WINE	0.0681	2	2.00	A
	LANDSCAPE MAINTENANCE	1,939.3722			
		8.6656	3	56.50	A
	TOTAL POUNDS ON THIS COMMODITY	1,948.0378			
	N-OUTDR PLANTS IN CONTAINERS	139.1239	44	764.99	A
	N-OUTDR TRANSPLANTS	26.2053	8	216.00	A
	OAT	650.7977	122	5,025.00	A
	OAT (FORAGE - FODDER)	1,363.3644	187	10,298.37	A
	PASTURELAND	217.7243	30	798.00	A
	RANGELAND	245.2866	12	1,111.00	A
	RECREATION AREA	1.8134	2	39.00	A
	REGULATORY PEST CONTROL	116.5274			
		53.7898		85.06	A
	TOTAL POUNDS ON THIS COMMODITY	170.3172			
	RESEARCH COMMODITY	1.2142			
	RESIDENTIAL	9.1182	1	40.00	A
	RIGHTS OF WAY	1,028.1856			
	RYEGRASS	34.7708	3	228.70	A
	SOIL FUMIGATION/PREPLANT	7.2945	1	12.00	A
	SORGHUM (FORAGE - FODDER)	278.9758	20	815.60	A
	SORGHUM/MILO	335.3023	11	661.00	A
	STRUCTURAL PEST CONTROL	37.1938			
	SUDANGRASS	65.8159	6	118.20	A
	TURF/SOD	779.7490	190	3,174.59	A
	UNCULTIVATED AG	144.7572	8	874.00	A
	UNCULTIVATED NON-AG	9.5558	1	59.20	A
	VERTEBRATE CONTROL	2.5189			
	WHEAT	5,634.3089	634	41,575.40	A
	WHEAT (FORAGE - FODDER)	3,276.8414	432	24,136.71	A
	Chemical Total	27,871.5650	2,497		



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<b>DICAMBA, DIMETHYLAMINE SALT, OTHER RELATED</b>					
	BARLEY	15.1763	5	385.00	A
	CORN (FORAGE - FODDER)	251.7402	75	3,204.60	A
	FORAGE HAY/SILAGE	129.3262	25	1,846.20	A
	GRAIN	8.4183	2	145.00	A
	LANDSCAPE MAINTENANCE	2.9116			
	N-OUTDR PLANTS IN CONTAINERS	17.5932	10	232.50	A
	OAT	15.5530	14	464.00	A
	OAT (FORAGE - FODDER)	44.9743	28	1,399.00	A
	PASTURELAND	7.1697	2	102.00	A
	REGULATORY PEST CONTROL	13.3917		85.06	A
		2.8096			
	TOTAL POUNDS ON THIS COMMODITY	16.2013			
	RESEARCH COMMODITY	0.0142			
	RESIDENTIAL	2.2701	1	40.00	A
	RIGHTS OF WAY	57.2063			
	RYEGRASS	8.6566	3	228.70	A
	SOIL FUMIGATION/PREPLANT	1.8161	1	12.00	A
	SORGHUM (FORAGE - FODDER)	3.2568	2	48.00	A
	SORGHUM/MILO	1.5255	2	20.00	A
	TURF/SOD	71.2809	19	475.00	A
	UNCULTIVATED AG	11.3565	1	300.00	A
	WHEAT	321.5569	125	9,277.24	A
	WHEAT (FORAGE - FODDER)	270.4522	119	7,379.61	A
	Chemical Total	1,258.4562	434		
<b>DICAMBA, SODIUM SALT</b>					
	CORN (FORAGE - FODDER)	5,412.7783	661	29,160.62	A
	CORN, HUMAN CONSUMPTION	35.3705	5	156.20	A
	UNCULTIVATED AG	61.1875	7	475.00	A
	WHEAT	6.1875	1	30.00	A
	Chemical Total	5,515.5238	674		
<b>DICHLOROBENIL</b>					
	BLACKBERRY	8.0000	2	2.00	A
	GRAPE, WINE	12.0000	2	17.58	A
	LANDSCAPE MAINTENANCE	2,234.3133			
	N-OUTDR PLANTS IN CONTAINERS	235.2008	5	147.50	A
	RIGHTS OF WAY	17,296.7653			
	STRUCTURAL PEST CONTROL	1,679.3495			
	Chemical Total	21,465.6289	9		
<b>DICHLONE</b>					
	GRAPE, WINE	0.0800	1	41.40	A
	Chemical Total	0.0800	1		
<b>4,5-DICHLORO-2-N-OCTYL-3(2H)-ISOTHIAZOLONE</b>					
	N-GRNHS PLANTS IN CONTAINERS	0.0226	1	2,000.00	S
	N-OUTDR FLOWER	1.1041	1	5.00	A
	Chemical Total	1.1267	2		
<b>PARA-DICHLOROBENZENE</b>					
	LANDSCAPE MAINTENANCE	10.2025			
	Chemical Total	10.2025			

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<b>1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN</b>					
	LANDSCAPE MAINTENANCE	86.3100			
	RIGHTS OF WAY	150.7000			
	STRUCTURAL PEST CONTROL	1,160.6777			
	UNCULTIVATED AG	5.4800		4.00	U
	WATER (INDUSTRIAL)	1,371.0960		610.00	A
		606.6360		111.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,977.7320			
	Chemical Total	3,380.8997			
<b>1,3-DICHLORO-5-ETHYL-5-METHYLHYDANTOIN</b>					
	LANDSCAPE MAINTENANCE	33.3900			
	RIGHTS OF WAY	58.3000			
	STRUCTURAL PEST CONTROL	449.0213			
	UNCULTIVATED AG	2.1200		4.00	U
	WATER (INDUSTRIAL)	530.4240		610.00	A
		234.6840		111.00	U
	TOTAL POUNDS ON THIS COMMODITY	765.1080			
	Chemical Total	1,307.9393			
<b>DICHLOROPHENE</b>					
	N-GRNHS TRANSPLANTS	5.0000	1	1,000.00	S
	Chemical Total	5.0000	1		
<b>2-(2,4-DP), DIMETHYLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	127.7599			
		0.0713	1	15.00	A
	TOTAL POUNDS ON THIS COMMODITY	127.8312			
	N-OUTDR PLANTS IN CONTAINERS	0.1788	1	3.00	A
	PEAR	0.2673	1	9.00	A
	RIGHTS OF WAY	5.3640			
	TURF/SOD	11.7412	2	39.40	A
	Chemical Total	145.3825	5		
<b>1,2-DICHLOROPROPANE, 1,3-DICHLOROPROPENE AND RELATED C3 COMPOUNDS</b>					
	PEACH	22.4910	1	9.00	A
	Chemical Total	22.4910	1		
<b>1,3-DICHLOROPROPENE</b>					
	ALMOND	1,151,377.4564	181	4,194.52	A
	APPLE	10,188.3444	4	31.50	A
	APRICOT	5,914.9141	3	18.60	A
	ASPARAGUS	6,161.6455	1	36.10	A
	BEAN, SUCCULENT	7,896.9196	1	69.40	A
	BEET	4,093.6133	14	41.10	A
	BLUEBERRY	4,247.4390	2	12.00	A
	BROCCOLI	3,695.4574	3	42.00	A
	BRUSSELS SPROUT	55,704.0747	53	676.12	A
	CABBAGE	2,372.1032	1	26.60	A
	CANTALOUPE	18,612.0254	5	441.00	A
	CARROT	1,359,024.4809	257	13,354.17	A
	CARROT (FORAGE - FODDER)	1,939.1451	1	21.80	A
	CELERY	6,696.8788	3	84.40	A
	CHERRY	54,735.3021	13	187.30	A
	CITRUS	41,979.9790	6	133.19	A
	CORN (FORAGE - FODDER)	6,391.1188	1	20.00	A
	COTTON	35,985.6025	2	115.00	A
	EGGPLANT	3,997.0689	3	31.41	A
	GRAPE	663,874.8347	61	2,495.60	A
	GRAPE, WINE	473,954.3956	54	1,532.69	A
	GRAPEFRUIT	4,948.6604	1	15.50	A
	LANDSCAPE MAINTENANCE	25.3977			
	LEMON	18,397.7455	7	153.19	A

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<b>1,3-DICHLOROPROPENE</b>					
	LETTUCE, HEAD	51,819.2109	30	608.20	A
	LETTUCE, LEAF	21,238.4897	18	204.70	A
	MELON	23,430.0527	6	541.80	A
	N-GRNHS FLOWER	993.7527	3	7.50	A
	N-OUTDR FLOWER	22,994.2022	6	75.80	A
	N-OUTDR PLANTS IN CONTAINERS	165,613.2372	38	552.34	A
	N-OUTDR TRANSPLANTS	129,887.1581	43	471.67	A
	NECTARINE	135,010.7745	53	594.33	A
	OAT (FORAGE - FODDER)	4,458.8408	1	30.00	A
	ONION, DRY	120,159.6409	59	1,370.80	A
	ORANGE	254,583.5792	32	829.60	A
	PARSLEY	948.1423	4	16.40	A
	PEACH	276,965.2136	133	1,089.69	A
	PEAR	293.9535	1	2.00	A
	PEPPER, FRUITING	256,758.0700	91	2,852.16	A
	PEPPER, SPICE	2,169.9692	2	21.90	A
	PISTACHIO	51.5070	1	12.50	A
	PLUM	47,899.9280	39	243.91	A
	POTATO	148,265.4237	39	1,913.37	A
	PRUNE	51,922.9098	8	162.72	A
	RADISH	403.0965	1	4.70	A
	RASPBERRY	16,480.7591	19	168.40	A
	RIGHTS OF WAY	14.7792			
	SOIL FUMIGATION/PREPLANT	484,752.4451	100	2,218.35	A
	SPINACH	28,766.5777	8	245.80	A
	SQUASH	470.5872	2	4.60	A
	SQUASH, SUMMER	1,981.5733	3	17.70	A
	STRAWBERRY	1,522,286.2864	392	9,108.50	A
		1,062.0307	1	62,719.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,523,348.3171			
	SWEET POTATO	540,750.7380	192	4,939.21	A
	TANGELO	2,038.4255	1	7.00	A
	TANGERINE	162,682.3274	13	510.58	A
	TARO ROOT	2,151.2658	1	14.00	A
	TOMATO	87,012.0812	24	1,089.46	A
	UNCULTIVATED AG	52,443.5203	14	204.24	A
	UNCULTIVATED NON-AG	1,979.7253	2	22.20	A
	UNKNOWN	7,988.8986	1	25.00	A
	WALNUT	206,043.3300	51	767.21	A
	WATERMELON	167,133.9002	45	1,916.65	A
	WHEAT	1,024.0962	1	18.50	A
	Chemical Total	8,945,145.1027	2,155		
<b>DICLOFOP-METHYL</b>					
	BARLEY	47.8669	2	57.50	A
	N-OUTDR PLANTS IN CONTAINERS	8.4141	3	9.00	A
	N-OUTDR TRANSPLANTS	27.7478	3	27.20	A
	SOIL FUMIGATION/PREPLANT	83.2584	1	92.00	A
	WHEAT	5,820.8389	124	7,205.05	A
	Chemical Total	5,988.1261	133		
<b>DICLORAN</b>					
	ARTICHOKE, GLOBE	0.0077	1	12.30	A
	BEAN, SUCCULENT	1,551.0975	46	926.34	A
	BROCCOLI	1.1052	1	28.30	A
	CELERY	47,010.0930	1,117	17,664.44	A
	CHERRY	206.3001	5	140.00	A
	ENDIVE (ESCAROLE)	274.7372	56	217.60	A
	FENNEL	519.8743	19	204.30	A
	GRAPE	4,557.5085	97	4,162.63	A
	GRAPE, WINE	2,083.6440	28	2,096.95	A
	LANDSCAPE MAINTENANCE	0.3092			
	LETTUCE, HEAD	20,136.2048	1,113	13,890.24	A
	LETTUCE, LEAF	15,873.2188	1,052	11,381.93	A
	N-GRNHS FLOWER	1.0899	7	46,000.00	S
	N-GRNHS PLANTS IN CONTAINERS	0.9000	6	1.20	A

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<b>DICLORAN</b>					
	N-GRNHS TRANSPLANTS	33.8624	12	15.48	A
		0.7500	2	1,280.00	S
	TOTAL POUNDS ON THIS COMMODITY	34.6124			
	N-OUTDR PLANTS IN CONTAINERS	0.6891	2	1.60	A
	N-OUTDR TRANSPLANTS	10.6828	13	11.08	A
	NECTARINE	17.9063		13,218.00	T
	ONION, DRY	59.9855	1	30.00	A
	ONION, GREEN	41.9898	3	21.00	A
	PEACH	14.6251		14,974.00	T
	PLUM	12.2110		8,065.00	T
	REGULATORY PEST CONTROL	0.3750		200.00	S
	RESEARCH COMMODITY	13.5540			
	STRUCTURAL PEST CONTROL	0.2265			
	SWEET POTATO	54.0000		280,421.00	U
	TOMATO	0.9375	2	16,500.00	S
	Chemical Total	92,477.8852	3,583		
<b>DICOFOL</b>					
	BEAN, DRIED	15,968.5394	231	11,765.06	A
	BEAN, SUCCULENT	10,766.8722	247	8,692.27	A
	BEAN, UNSPECIFIED	923.1432	24	765.67	A
	CANTALOUPE	1,416.5200	40	2,400.86	A
	CHRISTMAS TREE	4.9418	2	2.30	A
	COTTON	153,857.9527	1,792	128,986.94	A
	CUCUMBER	1,103.0800	47	1,766.47	A
	GRAPE	754.0860	23	630.47	A
	GRAPE, WINE	2,340.6025	68	1,907.28	A
	GRAPEFRUIT	924.5715	5	312.00	A
	HERB, SPICE	23.7500	2	38.00	A
		1.7500	7	17,480.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.5000			
	LANDSCAPE MAINTENANCE	62.6387			
	LEMON	668.9493	11	337.53	A
	MELON	653.3875	37	1,661.90	A
	MINT	934.1432	18	933.00	A
	N-GRNHS FLOWER	6.3500	7	11.20	A
		6.2344	11	300,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.5844			
	N-GRNHS PLANTS IN CONTAINERS	9.5551	8	289,000.00	S
		6.5600	26	8.67	A
		0.0060			
	TOTAL POUNDS ON THIS COMMODITY	16.1211			
	N-OUTDR FLOWER	30.8000	1	44.00	A
	N-OUTDR PLANTS IN CONTAINERS	493.8920	62	504.23	A
	N-OUTDR TRANSPLANTS	117.1556	9	87.45	A
	ORANGE	10,046.4185	119	3,815.94	A
	PEACH	54.6000	1	39.00	A
	PEAR	11.9000	1	8.50	A
	PEPPER, FRUITING	259.2783	16	397.00	A
	POTATO	165.6352		3,369.00	T
	PRUNE	10.0000	1	40.00	A
	PUMPKIN	141.3470	11	227.00	A
	REGULATORY PEST CONTROL	0.3840			
	RESEARCH COMMODITY	15.6250	1	25.00	A
		2.2169			
	TOTAL POUNDS ON THIS COMMODITY	17.8419			
	SORGHUM/MILO	77.1809	2	76.00	A
	SQUASH	165.5650	11	286.90	A
	SQUASH, SUMMER	6.2500	1	10.00	A
	SQUASH, ZUCCHINI	46.8750	2	75.00	A
	STRAWBERRY	633.5875	74	1,085.20	A
	STRUCTURAL PEST CONTROL	7.0000			
	TANGELO	117.0754	2	58.50	A
	TANGERINE	165.2433	3	70.00	A
	TOMATO	447.6459	15	719.60	A
	TOMATO, PROCESSING	677.5190	16	969.00	A
	UNCULTIVATED AG	60.1409	1	60.00	A

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<b>DICOFOL</b>					
	WALNUT	5,344.1956	117	3,813.77	A
	WATERMELON	2,206.9370	109	3,926.66	A
	Chemical Total	211,738.1015	3,181		
<b>DIDECYL DIMETHYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	635.5251		93.00	U
		386.1649	1	131.18	A
		0.0000		75.18	S
	TOTAL POUNDS ON THIS COMMODITY	1,021.6900			
	FOOD PROCESSING PLANT	0.6409		317,158.00	S
	FUMIGATION, OTHER	0.0974			
	LANDSCAPE MAINTENANCE	4,099.0006			
	LUMBER, TREATED	33,677.3122		5,050,501.00	U
	N-GRNHS PLANTS IN CONTAINERS	2.8854	26	14.31	A
		0.0649	32	896,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.9503			
	N-GRNHS TRANSPLANTS	8.7460	8	48,000.00	S
	N-OUTDR FLOWER	0.0192	6	720.00	U
		0.0149	4	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0341			
	N-OUTDR PLANTS IN CONTAINERS	6.5637	34	53.10	A
	N-OUTDR TRANSPLANTS	0.0107	1	200.00	U
	PUBLIC HEALTH	0.0063			
	RIGHTS OF WAY	0.8228			
	STRUCTURAL PEST CONTROL	7.0993			
	Chemical Total	38,824.9743	112		
<b>DIENOCHLOR</b>					
	LANDSCAPE MAINTENANCE	3.1524			
	N-GRNHS FLOWER	44.9942	53	89.80	A
		20.7616	19	929,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	65.7558			
	N-GRNHS PLANTS IN CONTAINERS	36.7439	85	57.29	A
		4.4809	32	688,601.00	S
	TOTAL POUNDS ON THIS COMMODITY	41.2248			
	N-GRNHS TRANSPLANTS	0.0393	1	0.17	A
	N-OUTDR FLOWER	30.8228	42	101.16	A
	N-OUTDR PLANTS IN CONTAINERS	23.1745	44	90.15	A
	REGULATORY PEST CONTROL	0.0481			
		0.0054		500.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0535			
	RESEARCH COMMODITY	0.0854			
	Chemical Total	164.3085	276		
<b>DIETHATYL-ETHYL</b>					
	SPINACH	240.3625	15	148.20	A
	Chemical Total	240.3625	15		
<b>DIETHYLENE GLYCOL</b>					
	ALFALFA	538.0178	304	16,941.33	A
	ALMOND	3,802.1729	629	33,154.83	A
	APPLE	335.5792	102	2,188.42	A
	APRICOT	92.2100	62	582.84	A
	AVOCADO	75.2828	38	188.83	A
	BARLEY	4.8191	4	209.00	A
	BEAN, SUCCULENT	1.9196	1	24.00	A
	BLUEBERRY	55.0126	9	162.00	A
	BROCCOLI	12.4119	127	1,887.94	A
	CABBAGE	0.1008	7	118.00	A
	CANTALOUPE	4.0083	10	807.00	A
	CARROT	26.9524	12	727.44	A
	CAULIFLOWER	6.5187	41	433.00	A
	CELERY	22.2738	128	1,352.55	A
	CHERRY	351.1395	105	2,082.86	A

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<b>DIETHYLENE GLYCOL</b>					
	CITRUS	119.6526	38	884.23	A
	CLOVER	12.7765	4	335.50	A
	COMMODITY FUMIGATION	1.5997			
	CORN (FORAGE - FODDER)	1,361.6419	351	14,036.10	A
	CORN, HUMAN CONSUMPTION	3.9034	3	360.00	A
	COTTON	536.0466	268	18,909.68	A
	EGGPLANT	1.1920	1	4.50	A
	FIG	5.2979	1	160.00	A
	FORAGE HAY/SILAGE	7.4386	2	165.00	A
	GAI LON	0.0190	1	36.00	A
	GARLIC	0.3830	3	482.40	A
	GRAIN	0.7999	1	40.00	A
	GRAPE	3,035.3625	695	20,463.30	A
	GRAPE, WINE	1,945.2762	316	20,874.38	A
	GRAPEFRUIT	68.0756	3	170.00	A
	KALE	0.1120	6	18.94	A
	KIWI	6.4965	5	56.00	A
	LANDSCAPE MAINTENANCE	20.5009			
	LEMON	63.5334	31	621.75	A
	LETTUCE, HEAD	63.0070	341	4,624.79	A
	LETTUCE, LEAF	71.0503	375	4,519.38	A
	MELON	0.0968	5	138.90	A
	N-GRNHS PLANTS IN CONTAINERS	0.0190	1	1.00	A
	N-OUTDR FLOWER	0.0761	1	47.00	A
	N-OUTDR PLANTS IN CONTAINERS	81.6021	88	1,733.39	A
	N-OUTDR TRANSPLANTS	7.2309	14	97.00	A
	NECTARINE	2,406.9947	955	13,041.24	A
	OAT	10.3699	7	304.00	A
	OAT (FORAGE - FODDER)	265.4569	74	3,708.50	A
	OLIVE	97.5708	30	878.90	A
	ONION, DRY	14.3233	24	1,303.96	A
	ORANGE	4,122.9527	433	33,932.68	A
	PASTURELAND	0.3299	2	16.50	A
	PEACH	2,248.2551	887	13,020.45	A
	PEAR	2.5983	6	226.99	A
	PECAN	1.0596	1	20.00	A
	PEPPER, FRUITING	1.1982	5	317.00	A
	PERSIMMON	6.0297	5	20.00	A
	PISTACHIO	44.2974	29	1,028.02	A
	PLUM	1,761.9927	726	9,804.33	A
	POMEGRANATE	21.2478	11	97.00	A
	PRUNE	122.4283	9	312.30	A
	PUMPKIN	2.4325	20	862.50	A
	QUINCE	2.6489	1	12.00	A
	RANGELAND	25.4753	8	1,989.00	A
	REGULATORY PEST CONTROL	21.5120			
	RICE	3.1633	8	470.00	A
	RIGHTS OF WAY	2,237.1636			
	SOIL FUMIGATION/PREPLANT	14.2526	7	376.20	A
	SPINACH	0.0167	1	7.00	A
	SQUASH	0.0666	2	70.00	A
	SQUASH, WINTER	0.3163	5	188.00	A
	STRAWBERRY	0.5399	1	9.00	A
	STRUCTURAL PEST CONTROL	0.9441			
	SUDANGRASS	49.2734	7	242.00	A
	SUNFLOWER	18.1851	3	271.00	A
	SWEET POTATO	0.4758	4	220.00	A
	TANGELO	9.4045	5	38.00	A
	TANGERINE	33.1781	19	138.50	A
	TOMATO	9.3331	23	922.50	A
	TOMATO, PROCESSING	110.3272	195	13,719.98	A
	TURF/SOD	0.0236	1	10.00	A
	UNCULTIVATED AG	362.8936	110	6,810.34	A
	WALNUT	893.6269	200	5,760.02	A
	WATERMELON	172.5466	25	1,000.00	A

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<b>DIETHYLENE GLYCOL</b>					
	WHEAT	16.8463	17	1,680.20	A
	WHEAT (FORAGE - FODDER)	160.6802	44	1,668.50	A
	Chemical Total	28,014.0413	8,043		
<b>DIETHYLENE GLYCOL ABIETATE</b>					
	ALFALFA	1.8792	1	40.00	A
	LEMON	0.1057	1	3.00	A
	RIGHTS OF WAY	12.3474			
	Chemical Total	14.3323	2		
<b>DIFENOCONAZOLE</b>					
	COMMODITY FUMIGATION	9.7641			
	LANDSCAPE MAINTENANCE	31.8012			
	WHEAT	663.0862		3,737.87	T
	Chemical Total	704.6515			
<b>DIFENZOQUAT METHYL SULFATE</b>					
	BARLEY	267.4684	7	321.00	A
	WHEAT	874.8808	19	1,266.03	A
	Chemical Total	1,142.3492	26		
<b>DIFETHIALONE</b>					
	ANIMAL PREMISE	0.0254		212.00	U
		0.0132		59.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0386			
	FOREST, TIMBERLAND	0.0001	1	45.00	A
	FUMIGATION, OTHER	0.0015			
	INDUSTRIAL SITE	0.0011		6.00	U
	LANDSCAPE MAINTENANCE	0.0811			
	PUBLIC HEALTH	0.0003			
	RESEARCH COMMODITY	0.0000			
	RIGHTS OF WAY	0.0001			
	STRUCTURAL PEST CONTROL	1.9389			
	VERTEBRATE CONTROL	0.0088			
	Chemical Total	2.0705	1		
<b>DIFLUBENZURON</b>					
	ALMOND	4,342.5973	402	22,519.98	A
	APRICOT	94.2430	11	481.00	A
	ARTICHOKE, GLOBE	3,357.8873	527	19,169.40	A
	CHRISTMAS TREE	0.3906	1	5.00	A
	ENDIVE (ESCAROLE)	26.6351	1	140.40	A
	GRAPEFRUIT	17.0800	24	120.50	A
	LANDSCAPE MAINTENANCE	0.3985			
	MUSHROOM	18.1218	36	108,011.00	S
		10.0674	1	0.80	A
	TOTAL POUNDS ON THIS COMMODITY	28.1892			
	N-GRNHS FLOWER	13.4914	95	41.10	A
		0.1563	7	47,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.6477			
	N-GRNHS PLANTS IN CONTAINERS	38.3326	150	3,363,268.00	S
		36.0396	250	116.73	A
	TOTAL POUNDS ON THIS COMMODITY	74.3722			
	N-GRNHS TRANSPLANTS	0.7845	19	551,388.00	S
		0.1250	1	0.80	A
	TOTAL POUNDS ON THIS COMMODITY	0.9095			
	N-OUTDR FLOWER	1.6338	7	11.84	A
	N-OUTDR PLANTS IN CONTAINERS	25.3985	75	77.43	A
		3.0156	19	840,714.00	S
	TOTAL POUNDS ON THIS COMMODITY	28.4141			
	N-OUTDR TRANSPLANTS	12.0963	10	53.00	A
		0.2188	1	35,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.3151			

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<b>DIFLUBENZURON</b>					
	NECTARINE	7.3541	16	82.50	A
	ORANGE	197.4255	47	1,338.09	A
	PEACH	92.8640	49	530.88	A
	PEAR	33.4393	4	159.00	A
	PISTACHIO	14.2787	1	112.90	A
	PLUM	10.4036	4	46.00	A
	PRUNE	22.2591	2	93.00	A
	PUBLIC HEALTH	631.5906			
	RANGELAND	3.4780	2	110.00	A
	RESEARCH COMMODITY	0.0864			
	RICE	521.8186	169	4,431.64	A
	RIGHTS OF WAY	2.5000			
	SOIL FUMIGATION/PREPLANT	248.7895	10	33.40	A
	STRUCTURAL PEST CONTROL	0.1246			
	UNKNOWN	12.5000		50.00	A
	WALNUT	1,469.8493	150	5,704.55	A
	WATER AREA	2.0000		14.00	A
	Chemical Total	11,269.4747	2,091		
<b>DIFLUFENZOPYR, SODIUM SALT</b>					
	CORN (FORAGE - FODDER)	235.6712	86	3,910.60	A
	UNCULTIVATED AG	23.8075	7	475.00	A
	Chemical Total	259.4787	93		
<b>DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID</b>					
	ASPARAGUS	699.2292	31	1,950.29	A
	BARLEY	856.7980	57	2,689.79	A
	BARLEY (FORAGE - FODDER)	15.8485	2	115.00	A
	BERMUDAGRASS	2,087.0942	65	4,842.00	A
	CORN (FORAGE - FODDER)	15,125.2767	686	42,114.96	A
	CORN, HUMAN CONSUMPTION	558.9551	85	2,167.20	A
	FORAGE HAY/SILAGE	672.2411	37	2,080.00	A
	GRAIN	5.5446	2	30.00	A
	LANDSCAPE MAINTENANCE	1,612.0923			
		14.7858	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,626.8781			
	N-OUTDR PLANTS IN CONTAINERS	148.9619	33	297.90	A
	N-OUTDR TRANSPLANTS	36.7056	6	131.60	A
	OAT	477.3052	53	2,839.31	A
	OAT (FORAGE - FODDER)	2,013.5167	244	11,476.65	A
	PASTURELAND	430.0660	43	1,478.00	A
	RANGELAND	52.1197	2	49.00	A
	REGULATORY PEST CONTROL	393.7481			
	RIGHTS OF WAY	11,555.1566			
	RYEGRASS	282.1121	16	538.50	A
	SOIL FUMIGATION/PREPLANT	186.6554	2	215.00	A
	SORGHUM (FORAGE - FODDER)	99.1236	11	375.00	A
	SORGHUM/MILO	237.3261	7	685.00	A
	STRUCTURAL PEST CONTROL	31,241.6983			
	SUDANGRASS	186.5076	11	439.00	A
	TURF/SOD	60.6955	3	82.15	A
	UNCULTIVATED AG	161.0603	6	399.70	A
	UNCULTIVATED NON-AG	54.7073	1	325.00	A
	WHEAT	7,010.3885	623	39,970.34	A
	WHEAT (FORAGE - FODDER)	1,830.5134	224	11,325.94	A
	Chemical Total	78,106.2334	2,251		
<b>DIHYDRO-5-HEPTYL-2(3H)-FURANONE</b>					
	LANDSCAPE MAINTENANCE	0.0000			
	STRUCTURAL PEST CONTROL	0.0060			
	Chemical Total	0.0060			



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<b>DIHYDRO-5-PENTYL-2(3H)-FURANONE</b>					
	LANDSCAPE MAINTENANCE	0.0000			
	STRUCTURAL PEST CONTROL	0.0028			
	Chemical Total	0.0028			
<b>2-(2-(P-(DIISOBUTYL) PHENOXY) ETHOXY) ETHYL DIMETHYLBENZYL AMMONIUM CHLORIDE</b>					
	N-GRNHS TRANSPLANTS	31.6160	1	6,000.00	S
	Chemical Total	31.6160	1		
<b>DIKEGULAC SODIUM</b>					
	LANDSCAPE MAINTENANCE	1,827.1261			
	N-GRNHS FLOWER	2.5196	5	0.60	A
	N-GRNHS PLANTS IN CONTAINERS	2.5196	2	1.00	A
		0.7086	9	25,245.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.2282			
	N-OUTDR PLANTS IN CONTAINERS	105.4085	23	29.95	A
		3.7138	3	69,435.00	S
	TOTAL POUNDS ON THIS COMMODITY	109.1223			
	RIGHTS OF WAY	5.7872			
	STRUCTURAL PEST CONTROL	7.3489			
	Chemical Total	1,955.1323	42		
<b>DIMETHIPIN</b>					
	COTTON	327.5970	8	1,045.00	A
	Chemical Total	327.5970	8		
<b>DIMETHOATE</b>					
	ALFALFA	54,509.2606	2,322	150,989.26	A
	ANIMAL PREMISE	22.9930		12.00	U
	APPLE	137.7651	4	115.00	A
	BARLEY	21.6047	2	43.20	A
	BEAN, DRIED	19,040.4625	754	40,326.15	A
	BEAN, SUCCULENT	9,052.5638	375	18,805.75	A
	BEAN, UNSPECIFIED	3,347.6658	216	7,320.57	A
	BOK CHOY	4.4434	2	12.00	A
	BROCCOLI	28,883.7095	4,634	59,181.57	A
		0.0002	1	16.80	S
	TOTAL POUNDS ON THIS COMMODITY	28,883.7097			
	BRUSSELS SPROUT	2,217.6175	150	2,882.22	A
	CABBAGE	2,240.8016	527	4,830.40	A
	CANTALOUPE	315.0807	11	682.00	A
	CAULIFLOWER	8,324.9772	1,285	16,563.43	A
	CELERY	4,852.7327	952	9,934.87	A
	CHINESE CABBAGE (NAPPA)	7.7159	5	21.30	A
	CHRISTMAS TREE	365.3091	38	226.80	A
	CITRUS	66.3110	2	20.00	A
	COLLARD	500.4585	19	351.20	A
	CORN (FORAGE - FODDER)	31,987.4331	1,371	63,219.69	A
	CORN, HUMAN CONSUMPTION	425.4590	79	911.11	A
	COTTON	12,711.4525	434	29,543.60	A
	DATE	7.8993	1	10.00	A
	ENDIVE (ESCAROLE)	50.2343	96	208.99	A
	FUMIGATION, OTHER	5.7835	11	4.15	A
	GRAPE	12,022.7727	241	9,439.10	A
	GRAPE, WINE	1,566.3218	94	3,208.76	A
	GRAPEFRUIT	304.1517	10	250.00	A
	HERB, SPICE	0.7503	3	36,000.00	S
	KALE	69.8921	44	281.80	A
	LANDSCAPE MAINTENANCE	476.5610			
	LEMON	2,180.8654	34	1,349.30	A
	LETTUCE, HEAD	16,918.6758	4,979	69,680.48	A
	LETTUCE, LEAF	6,050.4482	2,431	24,386.59	A
	MELON	2,189.8524	96	7,700.00	A
	MUSTARD	3.0239	5	10.40	A

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<b>DIMETHOATE</b>					
	N-GRNHS FLOWER	203.5157	57	190.17	A
		9.9999	12	526,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	213.5156			
	N-GRNHS PLANTS IN CONTAINERS	93.8447	142	136.77	A
		45.2954	37	802,369.00	S
	TOTAL POUNDS ON THIS COMMODITY	139.1401			
	N-GRNHS TRANSPLANTS	4.7187	3	9.00	A
		0.7505	11	138,731.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.4692			
	N-OUTDR FLOWER	39.9784	34	65.77	A
		1.2277	3	11,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	41.2061			
	N-OUTDR PLANTS IN CONTAINERS	699.3679	98	1,113.37	A
		4.5389	21	138,200.00	S
		0.0613	1	1,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	703.9681			
	N-OUTDR TRANSPLANTS	137.2291	47	329.89	A
		0.1090	4	21,044.00	S
	TOTAL POUNDS ON THIS COMMODITY	137.3381			
	ORANGE	35,144.0473	867	21,497.08	A
	PEAR	102.3898	9	88.60	A
	PEAS	614.8973	210	2,070.52	A
	PECAN	47.4532	6	147.00	A
	PEPPER, FRUITING	1,512.5837	171	5,191.47	A
	PEPPER, SPICE	89.5717	15	291.70	A
	PIMENTO	6.0825	1	22.00	A
	POTATO	297.6303	22	860.30	A
	POULTRY	3.8322		2.00	A
	RESEARCH COMMODITY	24.0793			
		20.6312	5	45.00	A
	TOTAL POUNDS ON THIS COMMODITY	44.7105			
	RIGHTS OF WAY	19.8109			
	SAFFLOWER	1,332.3798	12	2,597.00	A
	SORGHUM (FORAGE - FODDER)	71.8069	3	167.00	A
	SORGHUM/MILO	1,100.9661	45	2,255.12	A
	SPINACH	84.0062	62	333.25	A
	SQUASH	2.0693	2	8.00	A
	STRAWBERRY	217.9350	1	167.00	A
	STRUCTURAL PEST CONTROL	131.9812			
	SWISS CHARD	1.7368	7	7.55	A
	TANGELO	115.5279	6	54.00	A
	TANGERINE	3,004.1144	51	2,585.46	A
	TOMATO	16,294.4161	426	18,920.25	A
	TOMATO, PROCESSING	38,486.2274	1,434	87,967.23	A
	TURNIP	5.6753	2	23.00	A
	UNCULTIVATED AG	79.0944	10	234.30	A
	UNCULTIVATED NON-AG	2.9623	1	6.00	A
	UNKNOWN	0.2399	2	0.95	A
	VERTEBRATE CONTROL	97.5000			
		11.3948	6	39.00	A
	TOTAL POUNDS ON THIS COMMODITY	108.8948			
	WATERMELON	789.0884	36	1,815.90	A
	WHEAT	9,697.3602	379	28,271.10	A
	WHEAT (FORAGE - FODDER)	509.7076	31	1,408.97	A
	Chemical Total	332,042.8864	25,520		
<b>DIMETHOMORPH</b>					
	COLLARD	3.4000	1	17.00	A
	LANDSCAPE MAINTENANCE	91.2500			
	LETTUCE, HEAD	12,902.4751	4,338	64,831.54	A
	LETTUCE, LEAF	10,522.9123	5,206	53,429.20	A
	N-GRNHS FLOWER	85.1956	56	103.08	A
		8.8282	10	387,178.00	S
	TOTAL POUNDS ON THIS COMMODITY	94.0238			
	N-GRNHS PLANTS IN CONTAINERS	12.3270	32	40.27	A
		11.2377	39	1,208,197.00	S
	TOTAL POUNDS ON THIS COMMODITY	23.5647			

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<b>DIMETHOMORPH</b>					
	N-GRNHS TRANSPLANTS	7.9211	33	41.24	A
		3.8135	46	816,278.00	S
	TOTAL POUNDS ON THIS COMMODITY	11.7346			
	N-OUTDR FLOWER	209.4951	66	451.48	A
		8.2813	16	1,248,858.00	S
	TOTAL POUNDS ON THIS COMMODITY	217.7764			
	N-OUTDR PLANTS IN CONTAINERS	109.5857	75	334.82	A
		12.6651	20	989,335.00	S
		0.0935	2	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	122.3443			
	N-OUTDR TRANSPLANTS	21.8665	81	119.08	A
		4.0232	6	397,080.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.8897			
	ONION, DRY	1,493.2544	202	7,940.95	A
	ONION, GREEN	131.3939	42	657.00	A
	POTATO	43.2400	8	249.00	A
	RESEARCH COMMODITY	0.1500			
	SQUASH	6.5550	1	32.77	A
	SQUASH, SUMMER	4.2000	1	21.00	A
	STRUCTURAL PEST CONTROL	2.3242			
	TOMATO	428.9088	85	2,147.30	A
	TOMATO, PROCESSING	563.8200	59	2,970.60	A
	VEGETABLES, LEAFY	2.3000	1	11.50	A
	VERTEBRATE CONTROL	5.3188	4	26.75	A
	Chemical Total	26,696.8360	10,430		
<b>DIMETHYL DICOCOALKYL AMMONIUM SALT WITH NAPHTHALENESULFONIC ACID, FORMALDEHYDE CONDENSATE</b>					
	ALFALFA	47.9954	37	2,379.10	A
	ALMOND	39.6837	3	457.00	A
	BROCCOLI	2.5102	1	65.00	A
	CORN (FORAGE - FODDER)	56.7322	32	1,838.20	A
	CORN, HUMAN CONSUMPTION	3.3675	3	87.00	A
	COTTON	232.1938	87	8,218.08	A
	FORAGE HAY/SILAGE	15.7271	13	784.50	A
	GRAPE, WINE	0.0121	1	0.20	A
	LANDSCAPE MAINTENANCE	7.4513			
	MINT	8.5406	8	290.00	A
	N-OUTDR PLANTS IN CONTAINERS	8.8580	30	151.30	A
	STRAWBERRY	178.5807	26	1,193.00	A
	WALNUT	28.0578	3	99.00	A
	WHEAT	28.9441	11	1,501.00	A
	Chemical Total	658.6545	255		
<b>1,4-DIMETHYLNAPHTHALENE</b>					
	POTATO	425.5271		30,375.00	T
		6.9239		6,101.00	U
	TOTAL POUNDS ON THIS COMMODITY	432.4510			
	Chemical Total	432.4510			
<b>DIMETHYLPOLYSILOXANE</b>					
	ALFALFA	550.7532	2,075	119,809.14	A
	ALMOND	21,330.3916	6,881	392,011.74	A
	APPLE	264.2022	195	4,120.14	A
	APRICOT	24.1072	111	2,087.84	A
	ARRUGULA	0.0185	2	9.50	A
	ARTICHOKE, GLOBE	523.7765	324	3,658.75	A
	ASPARAGUS	271.7857	213	6,859.60	A
	AVOCADO	277.0009	224	4,963.80	A
	BARLEY	20.6515	37	1,795.20	A
	BASIL, SWEET	0.0306	3	47.63	A
	BEAN, DRIED	55.0728	125	5,231.80	A
	BEAN, SUCCULENT	83.2702	186	2,494.81	A
	BEAN, UNSPECIFIED	127.4596	55	1,431.17	A
	BEEF	0.0212	39	79.75	A
	BERMUDAGRASS	16.2996	57	4,011.00	A

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<b>DIMETHYLPOLYSILOXANE</b>					
	BLACKBERRY	14.3621	7	37.98	A
	BLUEBERRY	41.6655	15	389.10	A
	BOK CHOY	64.6978	468	830.96	A
	BROCCOLI	4,216.9061	2,959	41,536.24	A
	BRUSSELS SPROUT	420.0895	229	2,265.41	A
	CABBAGE	521.1011	693	5,281.68	A
	CACTUS PEAR	30.2408	20	245.80	A
	CANOLA (RAPE)	0.5506	5	319.50	A
	CANTALOUPE	35.7946	37	2,874.40	A
	CARDOON	0.0077	6	26.54	A
	CARROT	19.4523	131	3,733.89	A
	CAULIFLOWER	837.3163	1,236	15,030.19	A
	CELERY	2,708.1495	1,942	22,019.00	A
	CHERRY	666.3963	489	10,683.11	A
	CHESTNUT	1.4589	3	12.30	A
	CHICORY	51.9207	45	726.81	A
	CHINESE CABBAGE (NAPPA)	211.4054	304	1,342.40	A
	CILANTRO	14.6509	31	205.60	A
	CITRUS	21.3590	44	954.23	A
	CLOVER	68.9965	25	1,555.40	A
	COLLARD	127.4635	92	914.60	A
	COMMODITY FUMIGATION	0.1758			
	CORN (FORAGE - FODDER)	153.4583	882	42,075.48	A
	CORN, HUMAN CONSUMPTION	320.7539	988	37,227.30	A
	COTTON	884.7084	2,938	236,154.65	A
	COUNTY AG COMM	0.0417	1	200.00	A
	CUCUMBER	46.4754	60	1,679.83	A
	DATE	2.4557	4	140.00	A
	DITCH BANK	0.0444	2	86.00	A
	EGGPLANT	0.1699	6	77.10	A
	ENDIVE (ESCAROLE)	40.4006	258	661.53	A
	FENNEL	73.0095	64	827.20	A
	FIG	0.8355	16	1,524.90	A
	FORAGE HAY/SILAGE	20.3602	24	977.96	A
	FOREST, TIMBERLAND	5.3315	129	4,593.00	A
	GAI CHOY	0.0395	13	60.00	A
	GARLIC	15.1769	40	3,170.00	A
	GRAIN	0.0400	1	40.00	A
	GRAPE	3,051.7914	3,053	125,550.63	A
	GRAPE, WINE	14,229.4794	6,820	226,755.88	A
	GRAPEFRUIT	229.9816	88	1,006.11	A
	KALE	48.3758	233	1,736.55	A
	KIWI	14.1806	56	3,004.89	A
	KOHLRABI	0.0003	2	0.83	A
	LANDSCAPE MAINTENANCE	260.6209			
		2.1533	2	61.00	A
	TOTAL POUNDS ON THIS COMMODITY	262.7742			
	LEEK	7.9167	18	76.30	A
	LEMON	668.6305	160	4,856.81	A
	LETTUCE, HEAD	5,324.8450	7,974	99,754.65	A
	LETTUCE, LEAF	6,194.6970	8,073	90,502.00	A
	LIME	1.0845	2	4.50	A
	MELON	114.0751	73	5,636.42	A
	MINT	36.3656	50	2,320.60	A
	MIZUNA	0.2166	1	20.00	A
	MUSTARD	68.9887	82	733.55	A
	N-GRNHS FLOWER	315.5649	944	2,047.30	A
		36.4548	37	1,617,378.00	S
	TOTAL POUNDS ON THIS COMMODITY	352.0197			
	N-GRNHS PLANTS IN CONTAINERS	63.6999	171	194.26	A
		17.3256	20	730,000.00	U
		14.5132	26	677,420.00	S
	TOTAL POUNDS ON THIS COMMODITY	95.5387			
	N-GRNHS TRANSPLANTS	10.0737	58	66.65	A
	N-OUTDR FLOWER	588.5788	2,090	8,012.46	A
		0.1464	3	98,010.00	S
	TOTAL POUNDS ON THIS COMMODITY	588.7252			

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<b>DIMETHYLPOLYSILOXANE</b>					
	N-OUTDR PLANTS IN CONTAINERS	513.4021	1,489	6,411.64	A
		0.3701	2	1,700.00	U
		0.1479	1	2,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	513.9201			
	N-OUTDR TRANSPLANTS	79.1189	99	997.34	A
	NECTARINE	104.6486	1,093	14,994.67	A
	OAT	9.0800	53	3,357.50	A
	OAT (FORAGE - FODDER)	9.3626	115	5,389.99	A
	OLIVE	32.4347	116	3,318.49	A
	ONION, DRY	849.9360	828	36,782.51	A
	ONION, GREEN	81.5761	384	2,180.10	A
	ORANGE	4,053.2169	1,619	72,595.91	A
	ORCHARD FLOOR	1.0096	1	5.00	A
	PARSLEY	10.3583	20	129.64	A
	PASTURELAND	10.0837	21	1,476.50	A
	PEACH	1,912.5576	1,775	28,564.88	A
	PEAR	92.6240	76	2,382.19	A
	PEAS	67.1108	133	1,024.53	A
	PECAN	0.5556	16	209.80	A
	PEPPER, FRUITING	1,300.6132	654	14,174.70	A
	PEPPER, SPICE	257.3354	156	2,858.80	A
	PERSIMMON	0.0527	6	23.00	A
	PIMENTO	5.0480	2	59.10	A
	PISTACHIO	449.4432	421	30,482.42	A
	PLUM	282.7725	870	12,266.73	A
	POMEGRANATE	9.3481	20	503.00	A
	POTATO	57.3305	68	4,317.15	A
	PRUNE	116.2370	360	15,537.60	A
	PUBLIC HEALTH	42.9988			
		1.5775	1	8.00	A
	TOTAL POUNDS ON THIS COMMODITY	44.5763			
	PUMPKIN	51.3078	46	770.08	A
	QUINCE	0.0221	1	12.00	A
	RADISH	2.3726	15	81.55	A
	RANGELAND	514.9951	52	8,557.20	A
	RAPPINI	278.3568	316	4,692.15	A
	RASPBERRY	41.3744	25	221.30	A
	REGULATORY PEST CONTROL	1.3163			
		0.2722		290.79	A
	TOTAL POUNDS ON THIS COMMODITY	1.5885			
	RESEARCH COMMODITY	0.0325	1	0.10	A
		0.0007			
	TOTAL POUNDS ON THIS COMMODITY	0.0332			
	RICE	785.6069	709	44,572.40	A
	RIGHTS OF WAY	3,829.4453			
		26.3974	29	179.50	A
	TOTAL POUNDS ON THIS COMMODITY	3,855.8427			
	RYEGRASS	0.0691	1	166.00	A
	SAFFLOWER	0.9810	9	818.00	A
	SOIL FUMIGATION/PREPLANT	83.6827	96	6,538.20	A
	SORGHUM (FORAGE - FODDER)	0.6734	5	500.00	A
	SORGHUM/MILO	0.0719	9	343.00	A
	SOYBEAN	0.0320	2	243.00	A
	SPINACH	109.0147	221	2,305.74	A
	SQUASH	41.6953	37	525.33	A
	SQUASH, SUMMER	80.6028	70	654.06	A
	SQUASH, WINTER	0.0775	1	37.00	A
	STRAWBERRY	5,604.0385	2,780	66,532.40	A
	STRUCTURAL PEST CONTROL	2.2145			
	SUDANGRASS	0.7129	22	853.20	A
	SUGARBEET	54.8207	176	12,902.50	A
	SUNFLOWER	8.4628	52	3,112.60	A
	SWISS CHARD	15.7283	75	320.56	A
	TANGELO	252.5064	42	1,000.30	A
	TANGERINE	52.1841	50	820.80	A
	TOMATO	301.2998	524	24,818.65	A
	TOMATO, PROCESSING	1,636.6632	848	71,522.33	A
	TURF/SOD	543.8276	51	1,573.40	A

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<b>DIMETHYLPOLYSILOXANE</b>					
	TURNIP	3.6599	8	37.00	A
	UNCULTIVATED AG	290.0054	619	26,437.67	A
	UNCULTIVATED NON-AG	74.6197	184	1,401.50	A
	UNKNOWN	0.2985	6	181.50	A
		0.0150			
	TOTAL POUNDS ON THIS COMMODITY	0.3135			
	VEGETABLES, LEAFY	526.1214	76	4,004.12	A
	VERTEBRATE CONTROL	0.0066			
		0.0000	2	39.92	A
	TOTAL POUNDS ON THIS COMMODITY	0.0066			
	WALNUT	4,673.7270	2,136	68,521.03	A
		0.0166	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,673.7436			
	WATER AREA	0.0085	3	184.32	A
	WATERMELON	179.1500	131	3,682.41	A
	WHEAT	114.4156	170	14,790.39	A
	WHEAT (FORAGE - FODDER)	24.8479	104	5,269.31	A
	Chemical Total	97,040.1657	74,874		
<b>DIMETHYL SILICONE FLUID EMULSION</b>					
	ALFALFA	8.6892	22	1,173.40	A
	ALMOND	5.2117	69	1,598.00	A
	APPLE	0.1083	1	1.60	A
	BROCCOLI	2.4711	38	379.71	A
	CAULIFLOWER	2.4979	53	373.74	A
	CELERY	0.0683	1	10.50	A
	CITRUS	10.4158	2	103.00	A
	GRAPE	1.2068	5	166.00	A
	GRAPE, WINE	43.9603	608	12,750.90	A
	LANDSCAPE MAINTENANCE	6.4152			
	LEMON	0.6085	4	102.00	A
	LETTUCE, HEAD	6.8566	110	1,049.55	A
	LETTUCE, LEAF	9.8146	114	1,490.78	A
	MELON	0.0351	1	2.70	A
	N-GRNHS FLOWER	0.1302	4	26,300.00	S
		0.0781	2	1.70	A
	TOTAL POUNDS ON THIS COMMODITY	0.2083			
	N-GRNHS PLANTS IN CONTAINERS	0.0130	1	1.00	A
	N-OUTDR FLOWER	9.9765	79	335.50	A
	OLIVE	0.1756	4	52.50	A
		0.0195	1	29.48	U
	TOTAL POUNDS ON THIS COMMODITY	0.1951			
	ORANGE	9.2504	52	1,204.31	A
	PASTURELAND	0.0130		5.00	A
	PEACH	0.0423	1	13.00	A
	RIGHTS OF WAY	31.8860			
	SOIL FUMIGATION/PREPLANT	0.0500	1	70.50	A
	SPINACH	0.0163	1	2.50	A
	STRAWBERRY	16.5819	96	2,036.50	A
	STRUCTURAL PEST CONTROL	0.2083			
	TANGELO	0.4793	4	65.00	A
	TANGERINE	0.0976	1	36.00	A
	TOMATO	0.0091	1	3.45	A
	UNCULTIVATED AG	0.1815	4	19.00	A
	WALNUT	1.5668	13	581.00	A
	WHEAT	0.0750	1	56.00	A
	Chemical Total	169.2098	1,294		
<b>DIMETHYL SOYA AMINE</b>					
	ALFALFA	8.2098	6	276.10	A
	ALMOND	0.4710	2	160.00	A
	BARLEY	0.2944	2	150.00	A
	CAULIFLOWER	0.2818	2	21.70	A
	CELERY	0.1178	1	8.90	A
	CORN, HUMAN CONSUMPTION	0.2103	1	40.00	A
	COTTON	43.4924	31	2,152.00	A

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<b>DIMETHYL SOYA AMINE</b>					
	ENDIVE (ESCAROLE)	0.0421	2	3.00	A
	GRAPE	0.1607	1	18.34	A
	GRAPE, WINE	0.5031	3	29.12	A
	LANDSCAPE MAINTENANCE	1.9978			
	LETTUCE, HEAD	0.6545	1	16.60	A
	OAT	0.0631	2	31.00	A
	RICE	20.4445	29	1,451.90	A
	RIGHTS OF WAY	2.0438			
	SAFFLOWER	2.6286	1	100.00	A
	Chemical Total	81.6157	84		
<b>2,4-DINITROPHENOL</b>					
	RICE	1.9475	1	55.50	A
	RIGHTS OF WAY	45.8783			
	Chemical Total	47.8258	1		
<b>DINOCAP</b>					
	GRAPE, WINE	0.0834	1	41.40	A
	N-GRNHS FLOWER	1.7550	8	242,500.00	S
	Chemical Total	1.8384	9		
<b>ALPHA- (ORTHO, PARA-DINONYLPHENYL)-OMEGA-HYDROXYPOLYOXY (ETHYLENE) PHOSPHATE</b>					
	ALFALFA	16.3105	6	425.00	A
	ALMOND	80.0657	42	1,983.25	A
	BERMUDAGRASS	2.2491	1	70.00	A
	CHERRY	1.0683	6	75.00	A
	CORN (FORAGE - FODDER)	16.7232	12	591.00	A
	COTTON	199.4106	70	8,916.10	A
	FORAGE HAY/SILAGE	2.6989	2	102.00	A
	GRAPE	4.8445	21	162.00	A
	GRAPE, WINE	7.3163	3	245.00	A
	OLIVE	1.3124	3	69.00	A
	PEACH	0.6185	6	39.00	A
	PISTACHIO	56.6953	56	2,981.49	A
	PLUM	0.2249	1	4.00	A
	RIGHTS OF WAY	31.0376			
	SAFFLOWER	2.3841	1	106.00	A
	UNCULTIVATED AG	3.3961	1	151.00	A
	WALNUT	3.9168	5	107.00	A
	WHEAT	22.7744	17	1,137.00	A
	WHEAT (FORAGE - FODDER)	2.6090	6	186.00	A
	Chemical Total	455.6562	259		
<b>DINOSEB</b>					
	GRAPE	5.8522	1	75.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.2692	1	1.00	A
	PEACH	0.4975	1	3.50	A
	PEAR	40.4838	1	18.00	A
	RIGHTS OF WAY	14.3942			
	STRUCTURAL PEST CONTROL	1.1729			
	Chemical Total	62.6698	4		
<b>DIOCTYL DIMETHYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	32.8623		3.00	A
	FOOD PROCESSING PLANT	0.6409		317,158.00	S
	FUMIGATION, OTHER	0.0650			
	LANDSCAPE MAINTENANCE	15.8869			
	N-GRNHS PLANTS IN CONTAINERS	2.8854	26	14.31	A
		0.0649	32	896,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.9503			
	N-GRNHS TRANSPLANTS	8.7460	8	48,000.00	S

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<b>DIOCTYL DIMETHYL AMMONIUM CHLORIDE</b>					
	N-OUTDR FLOWER	0.0192	6	720.00	U
		0.0149	4	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0341			
	N-OUTDR PLANTS IN CONTAINERS	6.5637	34	53.10	A
	N-OUTDR TRANSPLANTS	0.0107	1	200.00	U
	PUBLIC HEALTH	0.0063			
	RIGHTS OF WAY	0.5486			
	STRUCTURAL PEST CONTROL	1.8258			
	Chemical Total	70.1406	111		
<b>DIOCTYL PHTHALATE</b>					
	BROCCOLI	0.0696	1	11.00	A
	CARROT	1.6705	1	20.00	A
	LETTUCE, HEAD	0.3341	3	27.90	A
	MELON	6.1810	2	110.00	A
	OLIVE	10.2233	3	93.00	A
	ORANGE	108.8079	13	867.00	A
	RICE	67.3507	12	1,071.00	A
	SAFFLOWER	38.3111	8	550.50	A
	SQUASH	1.0302	1	20.00	A
	SUNFLOWER	2.7843	3	160.00	A
	TOMATO, PROCESSING	8.9548	3	185.00	A
	UNCULTIVATED AG	133.3789	29	2,556.00	A
	WATERMELON	2.9652	1	57.00	A
	WHEAT	15.2994	6	521.00	A
	Chemical Total	397.3610	86		
<b>DIOXATHION</b>					
	GRAPE, WINE	0.9844	1	10.00	A
	LANDSCAPE MAINTENANCE	16.8369			
	STRUCTURAL PEST CONTROL	0.1638			
	Chemical Total	17.9851	1		
<b>DIOXATHION, OTHER RELATED</b>					
	GRAPE, WINE	0.4219	1	10.00	A
	LANDSCAPE MAINTENANCE	7.0764			
	STRUCTURAL PEST CONTROL	0.0689			
	Chemical Total	7.5672	1		
<b>DIPHACINONE</b>					
	ALFALFA	0.0911	16	2,263.00	A
	ALMOND	0.2337	114	4,584.15	A
		0.0010		55.00	T
	TOTAL POUNDS ON THIS COMMODITY	0.2347			
	ANIMAL PREMISE	0.2635		477.00	U
		0.0791		67.00	A
		0.0517		1,283,290.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.3943			
	APPLE	0.0314	17	112.66	A
		0.0014	2	335.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0328			
	APRICOT	0.0221	10	196.66	A
	AVOCADO	1.2639	593	12,742.29	A
		0.0027	22	79.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.2666			
	BARLEY (FORAGE - FODDER)	0.0050	2	184.00	A
	BEAN, SUCCULENT	0.0167	5	140.00	A
	BEAN, UNSPECIFIED	0.0300	1	30.00	A
	BRUSSELS SPROUT	0.0150	2	44.00	A
	CARROT	0.0300	2	305.02	A
	CHERRY	0.0045	2	14.75	A
	CITRUS	0.0008	1	65.00	A
	CORN (FORAGE - FODDER)	0.0023	1	45.00	A
	CORN, HUMAN CONSUMPTION	0.0053	2	3.00	A



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<b>DIPHACINONE</b>					
	CUCUMBER	0.0120	6	79.00	A
	DITCH BANK	0.0060		20.00	A
	EGGPLANT	0.0002	2	7.60	A
	GRAPE	0.0736	26	729.78	A
	GRAPE, WINE	0.3738	39	5,410.85	A
	GRAPEFRUIT	0.1186	69	1,620.01	A
	KIWI	0.0150	2	120.00	A
	KUMQUAT	0.0002	1	5.00	A
	LANDSCAPE MAINTENANCE	23.7225			
		0.0005	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	23.7230			
	LEMON	0.3869	158	6,089.01	A
	LIME	0.0028	3	6.00	A
	MELON	0.0153	2	31.50	A
	N-GRNHS FLOWER	0.0072	11	34.22	A
		0.0000	1	50.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0072			
	N-GRNHS PLANTS IN CONTAINERS	0.0112	20	42.45	A
	N-GRNHS TRANSPLANTS	0.0009	5	2.93	A
	N-OUTDR FLOWER	0.0834	20	138.00	A
		0.0100	1	10.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0934			
	N-OUTDR PLANTS IN CONTAINERS	0.2936	128	1,051.18	A
		0.0112	11	33,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.3048			
	N-OUTDR TRANSPLANTS	0.0086	13	112.00	A
	NECTARINE	0.0060	2	53.00	A
	NUTS	0.0053	6	51.50	A
	OAT	0.0025	1	40.00	A
	OLIVE	0.3138	81	3,742.50	A
	ONION, DRY	0.0200	1	280.00	A
	ORANGE	1.8608	1,113	44,803.13	A
	ORCHARD FLOOR	0.0002	1	0.10	A
	PASTURELAND	0.1167	46	2,114.00	A
	PEACH	0.0862	24	266.90	A
		0.0091	4	650.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0953			
	PEAR	0.0310	9	84.55	A
	PEAS	0.0050	1	50.00	A
	PECAN	0.0100	1	20.00	A
	PERSIMMON	0.0008	3	12.02	A
	PISTACHIO	0.1768	40	1,349.00	A
	PLUM	0.0382	13	493.97	A
	POMEGRANATE	0.0020	1	6.00	A
	POTATO	0.0100	1	150.00	A
	POULTRY	0.0062		71.00	U
	PRUNE	0.0052	4	84.00	A
	PUBLIC HEALTH	0.3948			
	PUMPKIN	0.0038	1	0.50	A
	RANGELAND	0.1831	10	1,686.00	A
	REGULATORY PEST CONTROL	1.8538			
	RESEARCH COMMODITY	0.0150			
	RESIDENTIAL	0.0003	1	5.00	A
	RIGHTS OF WAY	4.9820			
		0.0415	23	1,140.10	A
	TOTAL POUNDS ON THIS COMMODITY	5.0235			
	SOIL FUMIGATION/PREPLANT	0.0790	1	290.00	A
	STONE FRUIT	0.0035	2	3.00	A
	STRAWBERRY	0.0708	12	262.00	A
	STRUCTURAL PEST CONTROL	4.9601			
	TANGELO	0.0093	27	338.80	A
	TANGERINE	0.0386	16	1,177.75	A
	TOMATO	0.0237	3	15.00	A
	UNCULTIVATED AG	0.0792	34	1,426.75	A
	UNCULTIVATED NON-AG	0.1094	14	497.00	A
		0.0020	1	10.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.1114			

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<b>DIPHACINONE</b>					
	VERTEBRATE CONTROL	6.6073			
		0.0640	7	1,953.69	A
	TOTAL POUNDS ON THIS COMMODITY	6.6713			
	WALNUT	0.1174	87	882.66	A
	WATER AREA	0.0062	12	12.00	A
	WHEAT	0.0001	1	15.00	A
	YAM	0.0075	1	15.00	A
	Chemical Total	49.6629	2,916		
<b>DIPHACINONE, SODIUM SALT</b>					
	ANIMAL PREMISE	0.2718		76.00	A
		0.1767		46.00	U
		0.0040		170,000.00	T
		0.0026		70,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4551			
	COMMODITY FUMIGATION	0.0021			
	FUMIGATION, OTHER	0.0054			
	INDUSTRIAL SITE	0.0023		240.00	A
		0.0022		300.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0045			
	LANDSCAPE MAINTENANCE	0.0559			
	N-OUTDR PLANTS IN CONTAINERS	0.0000	1	0.66	A
	REGULATORY PEST CONTROL	0.0041			
	STRUCTURAL PEST CONTROL	0.6488			
	VERTEBRATE CONTROL	0.0346			
	Chemical Total	1.2105	1		
<b>DIPHENAMID</b>					
	N-OUTDR PLANTS IN CONTAINERS	87.6750	12	17.00	A
	Chemical Total	87.6750	12		
<b>DIPHENYLAMINE</b>					
	APPLE	358.6565		34,367.40	T
	COMMODITY FUMIGATION	59.9760			
	Chemical Total	418.6325			
<b>DIPROPYLENE GLYCOL</b>					
	STRUCTURAL PEST CONTROL	0.0182			
	Chemical Total	0.0182			
<b>DIPROPYL ISOCINCHOMERONATE</b>					
	STRUCTURAL PEST CONTROL	0.0418			
	Chemical Total	0.0418			
<b>DIQUAT DIBROMIDE</b>					
	ALFALFA	17,587.1331	286	20,546.10	A
	CARROT	163.7088	3	175.75	A
	CHERRY	18.6456	1	20.00	A
	CLOVER	682.8595	13	732.50	A
	DITCH BANK	14.1562	6	10.00	A
	GRAPE	70.4805	14	82.92	A
	GRAPE, WINE	96.8837	16	203.92	A
		1.8646	1	12,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	98.7483			
	LANDSCAPE MAINTENANCE	16,810.0437			
	N-GRNHS FLOWER	179.9603	94	128.95	A
		1.2061	3	54,024.00	S
	TOTAL POUNDS ON THIS COMMODITY	181.1664			
	N-GRNHS PLANTS IN CONTAINERS	823.4614	232	383.04	A
		75.4125	84	982,777.00	S
	TOTAL POUNDS ON THIS COMMODITY	898.8739			

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<b>DIQUAT DIBROMIDE</b>					
	N-GRNHS TRANSPLANTS	8.8093	8	4.13	A
		0.9437	1	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.7530			
	N-OUTDR FLOWER	363.5991	159	453.06	A
	N-OUTDR PLANTS IN CONTAINERS	2,375.1918	1,068	2,288.79	A
		230.7920	258	4,645,539.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,605.9838			
	N-OUTDR TRANSPLANTS	234.6307	98	259.57	A
		8.8730	12	956,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	243.5037			
	POTATO	8,070.2439	178	9,652.75	A
	PUBLIC HEALTH	15.9238			
	RASPBERRY	1.8646	1	4.00	A
	RECREATION AREA	4.6958		1.25	A
	REGULATORY PEST CONTROL	1,585.6458			
		170.5637		21.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,756.2095			
	RESEARCH COMMODITY	7.3026			
	RIGHTS OF WAY	13,509.1158			
		5.5681	3	5.89	A
	TOTAL POUNDS ON THIS COMMODITY	13,514.6839			
	STRUCTURAL PEST CONTROL	429.4592			
	TURF/SOD	17.0056	1	36.25	A
	UNCULTIVATED AG	580.5421	19	440.50	A
	UNCULTIVATED NON-AG	232.7792	56	454.80	A
		11.5020	31	270,950.00	S
	TOTAL POUNDS ON THIS COMMODITY	244.2812			
	UNKNOWN	591.7284		110.00	A
	VERTEBRATE CONTROL	18.8750			
	WATER (INDUSTRIAL)	65.4975		26,989.00	U
		19.2640		4,297.00	S
	TOTAL POUNDS ON THIS COMMODITY	84.7615			
	WATER AREA	2,035.2941	58	2,152.83	A
		9.3228		3.00	U
		6.4548		62,540.23	S
	TOTAL POUNDS ON THIS COMMODITY	2,051.0717			
	Chemical Total	67,137.3044	2,704		
<b>DISODIUM OCTABORATE TETRAHYDRATE</b>					
	LANDSCAPE MAINTENANCE	23,473.1745			
	LUMBER, TREATED	227,802.9600		1,125,508.00	C
	RIGHTS OF WAY	7,505.4313			
	STRUCTURAL PEST CONTROL	377,508.0119			
	Chemical Total	636,289.5777			
<b>DISULFOTON</b>					
	ASPARAGUS	15,603.8679	336	15,322.81	A
	BARLEY	1,687.3439	35	2,202.90	A
	BEAN, DRIED	305.9929	11	204.60	A
	BEAN, SUCCULENT	89.9110	4	44.40	A
	BROCCOLI	6,708.7681	462	6,061.29	A
	BRUSSELS SPROUT	11.1781	1	11.00	A
	CABBAGE	2,091.2527	109	1,098.17	A
	CAULIFLOWER	573.7649	31	574.60	A
	CHINESE CABBAGE (NAPPA)	60.7507	3	30.00	A
	LANDSCAPE MAINTENANCE	34.7974			
	LETTUCE, HEAD	4,104.9661	151	2,124.87	A
	LETTUCE, LEAF	2,236.2036	111	1,208.20	A
	N-OUTDR PLANTS IN CONTAINERS	0.0938	2	2.00	A
	N-OUTDR TRANSPLANTS	2,613.4500	138	354.10	A
	PEAS	355.5098	30	334.00	A
	PEPPER, FRUITING	2,376.3051	31	1,225.50	A
	POTATO	359.0872	3	195.00	A
	STRAWBERRY	12.1501	2	4.00	A

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<b>DISULFOTON</b>					
	STRUCTURAL PEST CONTROL	0.0469			
	WHEAT	1,985.2773	48	3,484.00	A
	Chemical Total	41,210.7175	1,508		
<b>DITHIOPYR</b>					
	LANDSCAPE MAINTENANCE	4,176.0968			
		7.7591	6	137.00	A
	TOTAL POUNDS ON THIS COMMODITY	4,183.8559			
	N-GRNHS PLANTS IN CONTAINERS	3.1308	3	6.25	A
		0.1178	1	32,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.2486			
	N-OUTDR PLANTS IN CONTAINERS	1.3833	8	246,625.00	S
		0.1985	5	1.95	A
	TOTAL POUNDS ON THIS COMMODITY	1.5818			
	RECREATION AREA	0.5940		1.46	A
	RIGHTS OF WAY	215.1275			
	STRUCTURAL PEST CONTROL	19.7997			
	TURF/SOD	62.0200	5	324.50	A
	Chemical Total	4,486.2275	28		
<b>DIURON</b>					
	ALFALFA	294,542.8982	3,358	204,608.77	A
	ALMOND	33.6000	2	42.00	A
	ANIMAL PREMISE	721.7112		279.00	U
	APPLE	672.2976	24	622.80	A
	ARTICHOKE, GLOBE	21.4334	4	10.50	A
	ASPARAGUS	13,568.7016	169	8,406.32	A
	AVOCADO	12.8000	1	4.00	A
	BOYSENBERRY	16.1333	1	11.00	A
	CHRISTMAS TREE	1.9992	1	1.00	A
	CITRUS	1,138.6588	60	775.33	A
	COMMODITY FUMIGATION	23.4666			
	CORN (FORAGE - FODDER)	308.1142	8	178.00	A
	COTTON	25,686.7310	6,553	524,547.26	A
	DITCH BANK	984.2051	3	216.00	A
	GRAPE	36,859.0815	1,426	46,422.07	A
	GRAPE, WINE	18,439.8961	783	25,809.17	A
	GRAPEFRUIT	6,270.5277	148	2,995.45	A
	INDUSTRIAL SITE	21.6000		4.00	A
	LANDSCAPE MAINTENANCE	40,695.6134			
		8.0000	2	5.20	A
	TOTAL POUNDS ON THIS COMMODITY	40,703.6134			
	LEMON	15,657.2676	461	9,651.83	A
	MINT	4,525.3592	74	3,100.42	A
	N-GRNHS FLOWER	48.9363	18	49.10	A
	N-GRNHS PLANTS IN CONTAINERS	36.0989	7	7.07	A
		0.2000	2	30,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	36.2989			
	N-GRNHS TRANSPLANTS	9.7778	1	18.50	A
	N-OUTDR FLOWER	111.9778	33	118.00	A
	N-OUTDR PLANTS IN CONTAINERS	405.6170	91	395.61	A
		4.6500	3	31,075.00	S
	TOTAL POUNDS ON THIS COMMODITY	410.2670			
	N-OUTDR TRANSPLANTS	1,909.2104	136	1,435.80	A
	OAT (FORAGE - FODDER)	17.6000	1	6.00	A
	OLIVE	8,328.1060	218	6,773.99	A
	ORANGE	167,780.8264	3,118	95,155.49	A
		1.0880	1	0.40	U
	TOTAL POUNDS ON THIS COMMODITY	167,781.9144			
	PASTURELAND	117.5650	10	400.10	A
	PEACH	89.8512	12	73.30	A
	PEAR	1,416.9095	39	815.90	A
	PECAN	414.6616	24	269.20	A
	PRUNE	31.9904	2	10.50	A
	PUBLIC HEALTH	181.8800			
	RANGELAND	1.9555	2	2.00	A

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<b>DIURON</b>					
	RESEARCH COMMODITY	240.1776			
		0.2836		5.76	A
	TOTAL POUNDS ON THIS COMMODITY	240.4612			
	RIGHTS OF WAY	693,026.9395			
		976.9864	14	279.25	A
		275.8896		98.00	U
	TOTAL POUNDS ON THIS COMMODITY	694,279.8155			
	SOIL FUMIGATION/PREPLANT	12.4000	3	11.50	A
	STRUCTURAL PEST CONTROL	5,295.7080			
		347.8608		99.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,643.5688			
	SUGARBEET	432.0000	1	300.00	A
	TANGELO	4,579.7858	103	2,132.95	A
	TANGERINE	4,055.2827	127	2,664.14	A
	UNCULTIVATED AG	912.1493	31	411.56	A
	UNCULTIVATED NON-AG	6,078.0720	93	1,522.25	A
	UNKNOWN	19.2000			
	VERTEBRATE CONTROL	296.5556			
	WALNUT	39,434.5800	1,184	30,943.14	A
	WATER AREA	464.0000		127.20	A
	WHEAT	71.1808	3	43.40	A
	Chemical Total	1,397,638.0492	18,355		
<b>E,E-8,10-DODECADIEN-1-OL</b>					
	APPLE	246.6602	214	3,848.23	A
	GRAPE, WINE	3.0150	1	30.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0128	1	0.29	A
	NECTARINE	13.0421	2	3.60	A
	PEACH	11.5677	2	84.00	A
	PEAR	655.6021	262	8,717.30	A
	PLUM	11.3723	3	57.00	A
	RESEARCH COMMODITY	2.3666	2	100.00	A
	WALNUT	169.4500	142	4,542.90	A
	Chemical Total	1,113.0888	629		
<b>Z-8-DODECENOL</b>					
	ALMOND	0.0073	2	32.00	A
	APPLE	0.1861	4	361.57	A
	APRICOT	0.0649	16	115.00	A
	CHERRY	0.0319	9	73.23	A
	N-OUTDR PLANTS IN CONTAINERS	0.0482	26	160.66	A
	NECTARINE	6.8896	580	7,727.48	A
	PEACH	11.4475	1,481	27,624.95	A
	PEAR	1.1076	93	3,101.18	A
	PLUM	1.8838	192	2,406.66	A
	QUINCE	0.0043	4	31.00	A
	WALNUT	0.0270	3	118.50	A
	Chemical Total	21.6982	2,410		
<b>E-8-DODECENYL ACETATE</b>					
	ALMOND	0.0396	2	32.00	A
	APPLE	1.0795	4	361.57	A
	APRICOT	0.3669	16	115.00	A
	CHERRY	0.1783	9	73.23	A
	N-OUTDR PLANTS IN CONTAINERS	0.2629	26	160.66	A
	NECTARINE	39.0783	580	7,727.48	A
	PEACH	64.0861	1,481	27,624.95	A
	PEAR	6.0990	93	3,101.18	A
	PLUM	10.6978	192	2,406.66	A
	QUINCE	0.0240	4	31.00	A
	WALNUT	0.1467	3	118.50	A
	Chemical Total	122.0591	2,410		

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>Z-8-DODECENYL ACETATE</b>					
	ALMOND	0.5889	2	32.00	A
	APPLE	16.9759	4	361.57	A
	APRICOT	5.6858	16	115.00	A
	CHERRY	2.7171	9	73.23	A
	N-OUTDR PLANTS IN CONTAINERS	3.9165	26	160.66	A
	NECTARINE	604.6402	580	7,727.48	A
	PEACH	979.6558	1,481	27,624.95	A
	PEAR	91.7089	93	3,101.18	A
	PLUM	165.7148	192	2,406.66	A
	QUINCE	0.3646	4	31.00	A
	WALNUT	2.1820	3	118.50	A
	Chemical Total	1,874.1505	2,410		
<b>DODECYLBENZENE SULFONIC ACID</b>					
	ALFALFA	637.0352	545	28,326.03	A
	ALMOND	2,009.1491	423	40,567.95	A
	APPLE	19.9668	39	447.50	A
	APRICOT	4.3971	12	136.92	A
	ARRUGULA	0.0800	1	1.50	A
	ARTICHOKE, GLOBE	3.4533	8	116.30	A
	ASPARAGUS	43.9008	30	1,617.00	A
	AVOCADO	43.1892	247	1,859.80	A
	BEAN, DRIED	55.6876	47	2,865.60	A
	BEAN, SUCCULENT	36.9946	41	1,805.10	A
	BEAN, UNSPECIFIED	28.2937	38	1,189.80	A
	BEET	0.0800	1	1.50	A
	BLACKBERRY	13.8040	43	325.82	A
	BLUEBERRY	0.8502	5	24.10	A
	BOK CHOY	6.9288	147	243.46	A
	BROCCOLI	887.2745	2,128	24,966.05	A
		0.4059	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	887.6804			
	BRUSSELS SPROUT	1.1587	7	36.50	A
	CABBAGE	116.6878	298	2,446.35	A
	CANTALOUPE	21.4508	16	893.50	A
	CARROT	20.5209	63	558.60	A
	CAULIFLOWER	210.7870	571	5,027.05	A
	CELERIAC	0.1762	1	5.00	A
	CELERY	247.7909	801	6,310.30	A
	CHERRY	65.1088	38	902.50	A
	CHICORY	1.8476	7	60.50	A
	CHINESE CABBAGE (NAPPA)	37.0892	368	1,198.64	A
	CHIVE	0.2991	17	16.50	A
	CHRISTMAS TREE	1.6121	1	14.00	A
	CILANTRO	0.4011	2	13.60	A
	CITRUS	2.3281	5	70.00	A
	COLE CROP	0.1762	1	5.00	A
	COLLARD	1.1903	1	17.00	A
	CORN (FORAGE - FODDER)	88.0877	60	3,755.25	A
	CORN, HUMAN CONSUMPTION	13.0737	20	654.50	A
	COTTON	1,469.8584	1,244	48,480.33	A
	CUCUMBER	51.0000	48	1,546.15	A
	EGGPLANT	0.1056	1	10.00	A
	ENDIVE (ESCAROLE)	6.5925	43	201.90	A
	FENNEL	4.6876	22	169.50	A
	FIG	34.2257	19	1,900.00	A
	FORAGE HAY/SILAGE	3.3421	6	235.00	A
	FUMIGATION, OTHER	1.0410			
	GARLIC	2.5584	1	180.00	A
	GRAPE	1,421.5508	940	42,970.95	A
	GRAPE, WINE	1,225.2540	877	53,452.46	A
	GRAPEFRUIT	1.6184	4	67.00	A
	HERB, SPICE	2.4467	93	185.55	A
	KALE	1.1626	10	32.38	A
	KOHLRABI	0.0468	1	2.00	A

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DODECYLBENZENE SULFONIC ACID					
	LANDSCAPE MAINTENANCE	425.1053			
		0.1421	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	425.2474			
	LEMON	69.5344	45	969.50	A
	LETTUCE, HEAD	2,411.9997	4,795	60,334.48	A
	LETTUCE, LEAF	1,473.7958	3,465	30,886.65	A
	LIME	0.2440	1	7.00	A
	MELON	15.3582	16	808.90	A
	MINT	0.0528	3	5.00	A
	MUSTARD	3.4023	43	63.80	A
	N-GRNHS FLOWER	109.8387	544	1,587.62	A
		95.2167	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	205.0554			
	N-GRNHS PLANTS IN CONTAINERS	79.9836	683	1,719.23	A
		8.9594	243	5,930,801.82	S
		0.0400	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	88.9830			
	N-GRNHS TRANSPLANTS	2.7005	7	960,000.00	S
		1.2997	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	4.0002			
	N-OUTDR FLOWER	90.9613	716	3,539.78	A
		0.9045	24	145,460.00	S
		0.8794	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	92.7452			
	N-OUTDR PLANTS IN CONTAINERS	93.3190	1,068	1,197.72	A
		14.7931	278	15,457,544.50	S
		2.8870	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	110.9991			
	N-OUTDR TRANSPLANTS	58.1745	259	28,614,935.00	S
		0.9771	1	180,000.00	U
		0.2398	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	59.3914			
	NECTARINE	181.2473	273	4,820.03	A
	OAT	0.8528	1	45.00	A
	OAT (FORAGE - FODDER)	0.2843	1	20.00	A
	OLIVE	9.1365	6	249.00	A
	ONION, DRY	88.0176	114	2,196.88	A
	ONION, GREEN	11.1570	45	247.90	A
	ORANGE	805.5298	308	10,050.17	A
	PARSLEY	1.6830	13	71.80	A
	PEACH	249.9879	290	6,698.98	A
	PEAR	1.4542	11	54.50	A
	PEAS	8.1815	22	221.95	A
	PECAN	1.8477	3	30.00	A
	PEPPER, FRUITING	94.9545	215	3,252.55	A
	PEPPER, SPICE	8.4118	17	371.50	A
	PERSIMMON	1.3938	8	60.50	A
	PISTACHIO	661.5838	272	21,195.20	A
	PLUM	85.8877	153	2,711.63	A
	POMEGRANATE	1.1370	4	26.00	A
	POTATO	35.0471	34	1,576.80	A
	POULTRY	2.7303		32.00	U
	PRUNE	4.6398	9	73.00	A
	PUMPKIN	2.8550	12	103.85	A
	RADISH	1.2081	26	13.50	A
	RAPPINI	14.9457	22	229.20	A
	RASPBERRY	64.3116	140	2,106.19	A
	RESEARCH COMMODITY	0.4533			
	RIGHTS OF WAY	172.0267			
	SAGE	0.1760	8	12.00	A
	SORGHUM/MILO	1.6658	2	78.12	A
	SPINACH	3.1535	24	145.32	A
	SQUASH	16.9133	44	581.70	A
	SQUASH, SUMMER	7.3518	20	222.10	A
	SQUASH, WINTER	0.1080	1	6.00	A
	STRAWBERRY	1,180.3784	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	239.8821			

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<b>DODECYLBENZENE SULFONIC ACID</b>					
	SUDANGRASS	2.4020	3	52.00	A
	SUGARBEET	25.8180	35	2,149.00	A
	SUNFLOWER	2.1526	4	100.70	A
	TANGELO	27.0215	22	185.75	A
	TANGERINE	10.9801	14	490.00	A
	TARRAGON	0.1232	7	7.00	A
	TOMATILLO	1.0434	2	30.00	A
	TOMATO	85.8853	78	4,344.40	A
	TOMATO, PROCESSING	216.6687	117	7,580.20	A
	TURNIP	0.9861	25	18.50	A
	UNCULTIVATED AG	12.3532	26	384.60	A
	UNCULTIVATED NON-AG	0.7702	2	9.00	A
	UNKNOWN	0.0352	2	3.00	A
	VEGETABLES, LEAFY	0.6890	2	13.50	A
	VERTEBRATE CONTROL	3.6954			
		0.8276	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	4.5230			
	WALNUT	481.5533	208	6,621.00	A
	WATERMELON	73.3514	72	2,791.70	A
	WHEAT	65.3439	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	3.0956	5	207.40	A
	Chemical Total	18,782.9669	25,903		
<b>DODECYL GUANIDINE HYDROCHLORIDE</b>					
	STRUCTURAL PEST CONTROL	706.3000			
	Chemical Total	706.3000			
<b>ALPHA- (PARA -DODECYLPHENYL) -OMEGA-HYDROXYPOLY (OXYETHYLENE)</b>					
	ALFALFA	6,335.8073	1,286	83,652.86	A
	ALMOND	560.6244	133	6,135.75	A
	APPLE	94.7616	55	904.35	A
	APRICOT	11.6380	4	104.00	A
	ASPARAGUS	137.9318	28	1,798.70	A
	BEAN, DRIED	40.7948	17	1,147.30	A
	BEAN, SUCCULENT	46.3351	16	760.89	A
	BEAN, UNSPECIFIED	7.8403	1	40.00	A
	BERMUDAGRASS	246.4826	33	2,419.00	A
	BROCCOLI	119.9720	43	1,968.00	A
	CABBAGE	10.0791	9	150.10	A
	CANOLA (RAPE)	77.9133	10	737.00	A
	CANTALOUPE	48.4238	12	762.00	A
	CARROT	330.5827	94	5,226.50	A
	CAULIFLOWER	12.9990	11	479.30	A
	CELERY	83.9251	137	1,246.45	A
	CHERRY	343.6551	174	2,304.70	A
	CITRUS	0.3675	1	6.00	A
	CORN (FORAGE - FODDER)	255.8989	100	3,630.91	A
	CORN, HUMAN CONSUMPTION	1,052.4404	258	14,319.90	A
	COTTON	6,919.7592	896	90,654.38	A
	CUCUMBER	22.3694	6	186.60	A
	DITCH BANK	4.9002		6.00	A
	EGGPLANT	0.1225	1	10.00	A
	FORAGE HAY/SILAGE	9.8004	2	232.00	A
	GARLIC	115.0005	23	2,949.00	A
	GRAPE	126.2657	70	2,179.50	A
	GRAPE, WINE	110.0529	89	2,524.73	A
	LANDSCAPE MAINTENANCE	0.4990			
	LEMON	0.3087	1	5.00	A
	LETTUCE, HEAD	109.6505	38	1,381.80	A
	LETTUCE, LEAF	44.4694	15	532.00	A
	MUSTARD	1.2251	1	35.00	A
	N-OUTDR PLANTS IN CONTAINERS	4.6306	2	55.00	A
	N-OUTDR TRANSPLANTS	0.3063	1	4.50	A
	NECTARINE	0.1029	1	2.00	A
	OAT (FORAGE - FODDER)	1.8866	1	77.00	A
	OLIVE	11.1480	9	259.00	A



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<b>ALPHA- (PARA -DODECYLPHENYL) -OMEGA-HYDROXPOLY (OXYETHYLENE)</b>					
	ONION, DRY	893.0451	144	9,693.50	A
	ONION, GREEN	0.0230	1	6.00	A
	ORANGE	27.6274	11	460.00	A
	PEACH	33.2559	25	449.00	A
	PEAR	12.5617	10	190.20	A
	PECAN	1.4701	2	30.00	A
	PEPPER, FRUITING	0.5513	1	45.00	A
	PEPPER, SPICE	1.4652	3	49.20	A
	PERSIMMON	0.8624	2	23.00	A
	PLUM	1.7151	3	40.00	A
	POTATO	55.9359	6	459.00	A
	PRUNE	69.8402	81	2,558.76	A
	PUMPKIN	1.0260	3	23.00	A
	RANGELAND	54.3310	6	117.00	A
	RICE	16,323.8733	2,010	147,847.63	A
	RIGHTS OF WAY	74.4953			
		20.9484	7	199.00	A
	TOTAL POUNDS ON THIS COMMODITY	95.4437			
	RYE	1.1742	2	39.60	A
	SAFFLOWER	0.4900	1	40.00	A
	SOIL FUMIGATION/PREPLANT	28.9308	5	332.10	A
	SORGHUM/MILO	0.6125	1	10.00	A
	SOYBEAN	1.4701	2	30.00	A
	SQUASH	12.5262	6	100.50	A
	SUDANGRASS	188.5266	23	1,531.00	A
	SUGARBEET	941.3817	286	18,230.90	A
	SUGARBEET (FORAGE - FODDER)	10.7805	2	118.00	A
	SUGARCANE	10.5354	4	88.00	A
	SUNFLOWER	21.0137	5	240.00	A
	SWISS CHARD	2.2051	2	28.00	A
	TOMATO	13.0835	8	329.00	A
	TOMATO, PROCESSING	1,097.3119	261	20,304.37	A
	UNCULTIVATED AG	714.8454	213	11,839.40	A
	UNCULTIVATED NON-AG	8.4651	3	241.00	A
	WALNUT	373.3116	200	6,107.90	A
		0.0061	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	373.3177			
	WATERMELON	25.9095	14	297.20	A
	WHEAT	249.8884	38	3,576.33	A
	WHEAT (FORAGE - FODDER)	3.3811	1	46.00	A
	Chemical Total	38,579.8474	6,971		
<b>DODEMORPH ACETATE</b>					
	N-GRNHS PLANTS IN CONTAINERS	7.7760	13	5.81	A
		0.4111	2	16,520.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.1871			
	Chemical Total	8.1871	15		
<b>DODINE</b>					
	N-OUTDR PLANTS IN CONTAINERS	5.6063	1	10.00	A
	PEAR	2,474.6150	44	1,684.00	A
	Chemical Total	2,480.2213	45		
<b>DICHLORPROP, BUTOXYETHANOL ESTER</b>					
	LANDSCAPE MAINTENANCE	20.0313			
	Chemical Total	20.0313			
<b>2,4-DP, ISOCTYL ESTER</b>					
	LANDSCAPE MAINTENANCE	0.2765			
	Chemical Total	0.2765			

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<b>2,4-DP-P, DIMETHYLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	12.8122			
	N-OUTDR PLANTS IN CONTAINERS	0.0367	1	20,000.00	S
		0.0092	1	0.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.0459			
	RIGHTS OF WAY	16.2655			
	STRUCTURAL PEST CONTROL	0.4390			
	Chemical Total	29.5626	2		
<b>DRY MILK SOLIDS</b>					
	ORANGE	1.6200	1	18.00	A
	Chemical Total	1.6200	1		
<b>DSMA</b>					
	LANDSCAPE MAINTENANCE	17.6055			
	Chemical Total	17.6055			
<b>EDTA, SODIUM SALT</b>					
	ALFALFA	2.3161	41	3,278.77	A
	ALMOND	16.5688	165	9,097.93	A
	APPLE	12.2580	49	3,835.75	A
	APRICOT	0.1608	6	187.00	A
	AVOCADO	2.4534	9	2,292.00	A
	BEAN, DRIED	0.0274	7	74.50	A
	BLUEBERRY	1.1096	27	2,112.20	A
	BOK CHOY	0.0086	2	10.00	A
	CANTALOUPE	0.0428	2	80.00	A
	CHERRY	0.3752	11	165.00	A
	CHINESE CABBAGE (NAPPA)	0.0192	2	22.90	A
	CORN (FORAGE - FODDER)	3.3990	112	4,894.60	A
	CORN, HUMAN CONSUMPTION	0.0903	18	90.00	A
	COTTON	1.6821	27	3,159.10	A
	GARLIC	0.6235	7	944.00	A
	GRAPE	9.9998	215	8,759.16	A
	GRAPE, WINE	23.7666	141	13,826.30	A
	LEMON	0.4389	14	347.00	A
	LETTUCE, LEAF	0.6648	24	433.34	A
	MELON	0.0058	2	7.30	A
	N-GRNHS FLOWER	0.9436	16	516.67	A
		0.0047		22,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.9483			
	N-OUTDR FLOWER	0.0328	18	59.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.2318	194	70.72	A
	NECTARINE	0.2410	29	422.00	A
	OAT	0.0674	5	312.61	A
	OAT (FORAGE - FODDER)	0.2213	10	419.00	A
	ONION, DRY	0.0897	3	335.20	A
	ORANGE	0.3961	4	151.00	A
	PEACH	0.2123	21	192.75	A
	PEAS	0.4365	23	264.00	A
	PEPPER, FRUITING	0.0009	2	0.64	A
	PERSIMMON	0.0261	2	26.00	A
	PISTACHIO	22.6567	73	10,510.82	A
	PLUM	0.6029	37	569.00	A
	POMEGRANATE	0.0241	4	48.00	A
	POTATO	0.0227	2	75.00	A
	RIGHTS OF WAY	0.0472			
	SQUASH	0.0033	1	5.00	A
	STRAWBERRY	1.2383	47	1,465.00	A
	TOMATO	0.1454	20	228.64	A
	TOMATO, PROCESSING	0.5550	7	598.00	A
	UNCULTIVATED AG	0.0022	2	2.15	A
	WALNUT	0.8025	14	540.00	A
	WHEAT	0.3275	8	482.00	A
	Chemical Total	105.3427	1,423		

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<b>EDTA, TETRASODIUM SALT</b>					
	ALFALFA	39.2022	545	28,326.03	A
	ALMOND	123.6399	423	40,567.95	A
	ANIMAL PREMISE	0.5473		6.00	U
	APPLE	1.2287	39	447.50	A
	APRICOT	0.2706	12	136.92	A
	ARRUGULA	0.0049	1	1.50	A
	ARTICHOKE, GLOBE	0.2125	8	116.30	A
	ASPARAGUS	2.7016	30	1,617.00	A
	AVOCADO	2.6578	247	1,859.80	A
	BEAN, DRIED	3.4269	47	2,865.60	A
	BEAN, SUCCULENT	2.2766	41	1,805.10	A
	BEAN, UNSPECIFIED	1.7412	38	1,189.80	A
	BEEF	0.0049	1	1.50	A
	BLACKBERRY	0.8495	43	325.82	A
	BLUEBERRY	0.0523	5	24.10	A
	BOK CHOY	0.4264	147	243.46	A
	BROCCOLI	54.6015	2,128	24,966.05	A
		0.0250	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	54.6265			
	BRUSSELS SPROUT	0.0713	7	36.50	A
	CABBAGE	7.1808	298	2,446.35	A
	CANTALOUPE	1.3201	16	893.50	A
	CARROT	1.2628	63	558.60	A
	CAULIFLOWER	12.9715	571	5,027.05	A
	CELERIAC	0.0108	1	5.00	A
	CELERY	15.2487	801	6,310.30	A
	CHERRY	4.0067	38	902.50	A
	CHICORY	0.1137	7	60.50	A
	CHINESE CABBAGE (NAPPA)	2.2824	368	1,198.64	A
	CHIVE	0.0184	17	16.50	A
	CHRISTMAS TREE	0.0992	1	14.00	A
	CILANTRO	0.0247	2	13.60	A
	CITRUS	0.1433	5	70.00	A
	COLE CROP	0.0108	1	5.00	A
	COLLARD	0.0733	1	17.00	A
	CORN (FORAGE - FODDER)	5.4208	60	3,755.25	A
	CORN, HUMAN CONSUMPTION	0.8045	20	654.50	A
	COTTON	90.4528	1,244	48,480.33	A
	CUCUMBER	3.1385	48	1,546.15	A
	EGGPLANT	0.0065	1	10.00	A
	ENDIVE (ESCAROLE)	0.4057	43	201.90	A
	FENNEL	0.2885	22	169.50	A
	FIG	2.1062	19	1,900.00	A
	FORAGE HAY/SILAGE	0.2057	6	235.00	A
	FUMIGATION, OTHER	2.4683			
	GARLIC	0.1574	1	180.00	A
	GRAPE	87.4800	940	42,970.95	A
	GRAPE, WINE	75.4002	877	53,452.46	A
	GRAPEFRUIT	0.0996	4	67.00	A
	HERB, SPICE	0.1506	93	185.55	A
	KALE	0.0715	10	32.38	A
	KOHLRABI	0.0029	1	2.00	A
	LANDSCAPE MAINTENANCE	26.1649			
		0.0087	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	26.1736			
	LEMON	4.2790	45	969.50	A
	LETTUCE, HEAD	148.4308	4,795	60,334.48	A
	LETTUCE, LEAF	90.6951	3,465	30,886.65	A
	LIME	0.0150	1	7.00	A
	MELON	0.9451	16	808.90	A
	MINT	0.0032	3	5.00	A
	MUSTARD	0.2094	43	63.80	A
	N-GRNHS FLOWER	7.0151	550	1,599.82	A
		5.8876	552	21,679,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.9027			

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<b>EDTA, TETRASODIUM SALT</b>					
	N-GRNHS PLANTS IN CONTAINERS	4.9221	683	1,719.23	A
		0.5710	249	6,098,801.82	S
		0.0025	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	5.4956			
	N-GRNHS TRANSPLANTS	0.1662	7	960,000.00	S
		0.0800	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.2462			
	N-OUTDR FLOWER	5.6538	718	3,542.28	A
		0.0557	24	145,460.00	S
		0.0541	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	5.7636			
	N-OUTDR PLANTS IN CONTAINERS	5.7427	1,068	1,197.72	A
		0.9103	278	15,457,544.50	S
		0.1777	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	6.8307			
	N-OUTDR TRANSPLANTS	3.5800	259	28,614,935.00	S
		0.0601	1	180,000.00	U
		0.0316	4	19.50	A
	TOTAL POUNDS ON THIS COMMODITY	3.6717			
	NECTARINE	11.1537	273	4,820.03	A
	OAT	0.0525	1	45.00	A
	OAT (FORAGE - FODDER)	0.0175	1	20.00	A
	OLIVE	0.5622	6	249.00	A
	ONION, DRY	5.4165	114	2,196.88	A
	ONION, GREEN	0.6866	45	247.90	A
	ORANGE	49.5711	308	10,050.17	A
	PARSLEY	0.1036	13	71.80	A
	PEACH	15.3839	290	6,698.98	A
	PEAR	0.0895	11	54.50	A
	PEAS	0.5035	22	221.95	A
	PECAN	0.1137	3	30.00	A
	PEPPER, FRUITING	5.8434	215	3,252.55	A
	PEPPER, SPICE	0.5176	17	371.50	A
	PERSIMMON	0.0858	8	60.50	A
	PISTACHIO	40.7128	272	21,195.20	A
	PLUM	5.2854	153	2,711.63	A
	POMEGRANATE	0.0700	4	26.00	A
	POTATO	2.1567	34	1,576.80	A
	POULTRY	0.1680		32.00	U
	PRUNE	0.2855	9	73.00	A
	PUBLIC HEALTH	0.0114			
	PUMPKIN	0.1757	12	103.85	A
	RADISH	0.0743	26	13.50	A
	RAPPINI	0.9197	22	229.20	A
	RASPBERRY	3.9576	140	2,106.19	A
	RESEARCH COMMODITY	0.0279			
	RIGHTS OF WAY	10.5863			
	SAGE	0.0108	8	12.00	A
	SORGHUM/MILO	0.1025	2	78.12	A
	SPINACH	0.1941	24	145.32	A
	SQUASH	1.0408	44	581.70	A
	SQUASH, SUMMER	0.4524	20	222.10	A
	SQUASH, WINTER	0.0066	1	6.00	A
	STRAWBERRY	72.6387	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	14.9490			
	SUDANGRASS	0.1478	3	52.00	A
	SUGARBEET	1.5888	35	2,149.00	A
	SUNFLOWER	0.1325	4	100.70	A
	TANGELO	1.6629	22	185.75	A
	TANGERINE	0.6757	14	490.00	A
	TARRAGON	0.0076	7	7.00	A
	TOMATILLO	0.0642	2	30.00	A
	TOMATO	5.2852	78	4,344.40	A
	TOMATO, PROCESSING	13.3335	117	7,580.20	A
	TURNIP	0.0607	25	18.50	A
	UNCULTIVATED AG	0.7602	26	384.60	A
	UNCULTIVATED NON-AG	0.0474	2	9.00	A
	UNKNOWN	0.0022	2	3.00	A

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<b>EDTA, TETRASODIUM SALT</b>					
	VEGETABLES, LEAFY	0.0424	2	13.50	A
	VERTEBRATE CONTROL	0.2274			
		0.0509	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.2783			
	WALNUT	29.6341	208	6,621.00	A
	WATERMELON	4.5139	72	2,791.70	A
	WHEAT	4.0212	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	0.1905	5	207.40	A
	Chemical Total	1,159.4061	25,920		
<b>EMAMECTIN BENZOATE</b>					
	BOK CHOY	0.6028	29	48.35	A
	BROCCOLI	89.7107	445	9,447.30	A
	BRUSSELS SPROUT	7.9775	42	744.75	A
	CABBAGE	42.9773	355	3,960.07	A
	CAULIFLOWER	41.8436	136	3,435.00	A
	CELERY	71.0128	562	6,494.53	A
	CHICORY	0.2658	2	24.30	A
	CHINESE CABBAGE (NAPPA)	1.8893	53	145.50	A
	COLLARD	5.9108	58	647.55	A
	EGGPLANT	0.2400	1	17.00	A
	ENDIVE (ESCAROLE)	0.0943	3	14.50	A
	FENNEL	2.0267	6	87.00	A
	KALE	1.3346	28	120.35	A
	LETTUCE, HEAD	530.8559	2,372	50,718.12	A
	LETTUCE, LEAF	51.1512	393	4,965.75	A
	MUSTARD	3.4905	35	418.46	A
	N-GRNHS FLOWER	0.0331	3	5.50	A
		0.0300	1	84,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0631			
	PEPPER, FRUITING	22.3843	41	1,364.81	A
	PEPPER, SPICE	0.7500	1	50.00	A
	RAPPINI	0.8636	7	99.30	A
	RESEARCH COMMODITY	0.0156	1	1.25	A
	SPINACH	3.9726	36	395.10	A
	SWISS CHARD	0.0315	1	4.00	A
	TOMATO	54.9045	90	5,373.05	A
	TOMATO, PROCESSING	208.7291	195	22,500.30	A
	TURNIP	0.6144	12	76.95	A
	UNKNOWN	0.6640	1	85.00	A
	VEGETABLES, LEAFY	9.6301	26	1,232.00	A
	Chemical Total	1,154.0066	4,935		
<b>EMULSIFIABLE METHYLATED VEGETABLE OIL</b>					
	ALFALFA	367.7644	10	942.00	A
	ALMOND	84.8384	9	386.00	A
	BOK CHOY	1.2518	4	3.59	A
	BROCCOLI	848.5673	150	1,917.40	A
	CABBAGE	159.6061	60	295.92	A
	CAULIFLOWER	510.6867	113	1,062.95	A
	CELERY	1,049.5808	291	2,021.95	A
	CHINESE CABBAGE (NAPPA)	5.1800	10	13.02	A
	CORN, HUMAN CONSUMPTION	1,460.6012	177	7,489.00	A
	COTTON	294.6101	29	1,940.20	A
	GRAPE	1,747.5137	26	3,460.90	A
	GRAPE, WINE	3,973.0046	41	1,376.71	A
	KALE	4.4060	4	12.00	A
	LETTUCE, HEAD	524.0024	81	3,469.40	A
	LETTUCE, LEAF	170.0533	31	537.30	A
	ORANGE	12.1044	1	10.00	A
	PEACH	5.2010	3	55.00	A
	PRUNE	86.0349	8	127.60	A
	RIGHTS OF WAY	569.0256			

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<b>EMULSIFIABLE METHYLATED VEGETABLE OIL</b>					
	UNCULTIVATED AG	8.2752	4	25.80	A
	UNCULTIVATED NON-AG	5.5074	1	73.00	A
	WALNUT	32.7316	11	167.75	A
	Chemical Total	11,920.5469	1,064		
<b>EMULSIFIABLE POLYETHYLENE</b>					
	CABBAGE	0.5157	1	10.00	A
	CELERY	1.6304	1	42.00	A
	GRAPE	1.6751	4	88.00	A
	GRAPE, WINE	1.6101	5	72.00	A
	N-OUTDR FLOWER	0.7279	1	7.00	A
	Chemical Total	6.1592	12		
<b>ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. KURSTAKI IN KILLED PSEUDOMONAS FLUORESCENS</b>					
	LANDSCAPE MAINTENANCE	0.4562			
	N-GRNHS FLOWER	1.9905	1	1.20	A
	N-GRNHS PLANTS IN CONTAINERS	36.7603	41	42.99	A
	N-GRNHS TRANSPLANTS	4.0431	17	15.50	A
	N-OUTDR PLANTS IN CONTAINERS	56.7474	42	55.26	A
	PEACH	12.5620	3	28.40	A
	RESEARCH COMMODITY	1.5550			
	Chemical Total	114.1145	104		
<b>ENCAPSULATED DELTA ENDOTOXIN OF BACILLUS THURINGIENSIS VAR. SAN DIEGO IN KILLED PSEUDOMONAS FLUORESCENS</b>					
	LANDSCAPE MAINTENANCE	2.1866			
	N-GRNHS FLOWER	0.2187	1	1.00	A
	Chemical Total	2.4053	1		
<b>ENDOSULFAN</b>					
	ALFALFA	9,595.0738	155	12,241.00	A
	APPLE	51.8000	5	27.20	A
	APRICOT	4.0000	1	2.00	A
	ARTICHOKE, GLOBE	37.2339	2	45.00	A
	BEAN, SUCCULENT	5.9636	2	6.00	A
	BROCCOLI	3,843.8639	66	3,977.13	A
	CABBAGE	117.6199	8	123.00	A
	CANTALOUPE	9,980.9208	140	10,661.90	A
	CAULIFLOWER	50.3943	6	114.00	A
	CELERY	26.8597	4	44.00	A
	CHERRY	19.8107	3	30.00	A
	CORN, HUMAN CONSUMPTION	273.9439	12	476.00	A
	COTTON	76,637.5728	679	94,824.92	A
	CUCUMBER	0.2500	1	0.25	A
	EGGPLANT	29.0853	4	38.80	A
	GRAPE	361.6545	12	408.00	A
	GRAPE, WINE	134.6625	15	170.40	A
	LANDSCAPE MAINTENANCE	0.0112			
	LETTUCE, HEAD	17,541.2185	602	17,917.50	A
	LETTUCE, LEAF	4,324.3879	203	5,052.39	A
	MELON	1,012.9727	35	1,352.90	A
	N-GRNHS FLOWER	36.2366	15	820,001.50	S
		8.1873	9	13.00	A
	TOTAL POUNDS ON THIS COMMODITY	44.4239			
	N-GRNHS PLANTS IN CONTAINERS	1.4973	5	118,820.00	S
	N-GRNHS TRANSPLANTS	0.1250	1	1,500.00	S
	N-OUTDR FLOWER	8.8751	16	42.89	A
	N-OUTDR PLANTS IN CONTAINERS	8.1147	10	15.21	A
		0.2782	3	3,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	8.3929			
	NECTARINE	52.0000	1	26.00	A
	PEACH	50.7500	3	21.90	A
	PEAR	49.5000	2	29.00	A
	PECAN	143.1511	3	83.00	A

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<b>ENDOSULFAN</b>					
	PEPPER, FRUITING	3,884.7417	111	4,486.34	A
	PEPPER, SPICE	156.6921	7	214.00	A
	PLUM	142.5212	12	158.20	A
	POTATO	1,324.1784	20	1,056.00	A
	PRUNE	187.3455	3	156.00	A
	PUMPKIN	26.8618	6	44.00	A
	RESEARCH COMMODITY	6.7749			
	SPINACH	244.4159	16	493.00	A
	SQUASH	173.1036	7	210.00	A
	SQUASH, WINTER	15.8114	3	18.00	A
	STRAWBERRY	2.0938	2	4.01	A
	SUGARBEET	251.5373	3	444.00	A
	TOMATO	629.2864	7	842.70	A
	TOMATO, PROCESSING	20,173.5596	235	22,985.70	A
	WALNUT	706.5000	9	451.00	A
	WATERMELON	1,005.6099	23	1,059.10	A
	Chemical Total	153,339.0487	2,487		
<b>ENDOTHALL, MIXED MONO- AND DI- (N,N-DIMETHYLALKYLAMINE) SALTS</b>					
	COTTON	771.7070	74	2,694.20	A
	Chemical Total	771.7070	74		
<b>ENDOTHALL, MONO [N,N-DIMETHYL ALKYLAMINE] SALT</b>					
	ALFALFA	3,079.4777	33	2,416.00	A
	COTTON	16,288.0226	807	62,640.37	A
	GRAPE	1.4457	1	36.00	A
	LANDSCAPE MAINTENANCE	1,316.7214			
	POTATO	34.0554	1	15.00	A
	STRUCTURAL PEST CONTROL	6.7879			
	WATER AREA	5.6566		1.00	A
	Chemical Total	20,732.1673	842		
<b>ENDOTHALL, DIPOTASSIUM SALT</b>					
	LANDSCAPE MAINTENANCE	1,973.6333			
	RIGHTS OF WAY	86.9641			
	STRUCTURAL PEST CONTROL	3.8135			
	WATER AREA	321.9462	5	116.83	A
		133.4739		397.27	K
		0.5381		6,136.00	S
	TOTAL POUNDS ON THIS COMMODITY	455.9582			
	Chemical Total	2,520.3691	5		
<b>ENDRIN</b>					
	N-GRNHS FLOWER	0.0476	1	0.75	A
	Chemical Total	0.0476	1		
<b>EPICHLOROHYDRIN</b>					
	STRUCTURAL PEST CONTROL	0.0216			
	Chemical Total	0.0216			
<b>EPN</b>					
	GRAPE, WINE	441.6000	1	96.00	A
	Chemical Total	441.6000	1		
<b>EPTC</b>					
	ALFALFA	71,195.7580	513	29,187.28	A
	ALMOND	4,000.4408	42	1,367.70	A
	BEAN, DRIED	1,686.0301	26	728.97	A
	BEAN, SUCCULENT	7,767.5425	137	3,259.55	A
	BEAN, UNSPECIFIED	2,935.0770	46	991.56	A
	BROCCOLI	683.0594	3	112.00	A

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<b>EPTC</b>					
	CARROT	3,658.7018	14	800.00	A
	CLOVER	142.8000	1	42.00	A
	CORN (FORAGE - FODDER)	13,804.4698	92	3,182.80	A
	CORN, HUMAN CONSUMPTION	1,651.0675	13	494.00	A
	COTTON	200.6320	2	72.00	A
	LANDSCAPE MAINTENANCE	0.4830			
	LETTUCE, HEAD	274.6526	1	71.00	A
	LETTUCE, LEAF	231.7523	1	38.00	A
	POTATO	34,614.8921	179	11,211.63	A
	RESEARCH COMMODITY	21.7926			
	RIGHTS OF WAY	34.8683			
	SAFFLOWER	2,064.2894	16	718.80	A
	SUDANGRASS	146.0000	1	73.00	A
	SUGARBEET	15,574.4399	79	5,837.40	A
	SUGARBEET (FORAGE - FODDER)	244.0779	2	118.00	A
	TOMATO	440.8655	7	289.00	A
	TOMATO, PROCESSING	4,849.2518	28	1,691.70	A
	UNCULTIVATED AG	15,604.2760	67	3,620.00	A
	UNCULTIVATED NON-AG	76.2917		12.50	A
	WALNUT	341.5855	4	130.00	A
	Chemical Total	182,245.0975	1,274		
<b>ESBIOTHRIN</b>					
	STRUCTURAL PEST CONTROL	0.0062			
	Chemical Total	0.0062			
<b>ESFENVALERATE</b>					
	ALMOND	7,455.0306	2,549	144,052.95	A
	APPLE	163.9214	131	3,142.38	A
	APRICOT	342.3316	324	7,951.90	A
	ARTICHOKE, GLOBE	1,799.8666	1,263	40,412.83	A
	BEAN, DRIED	26.9146	13	582.00	A
	BEAN, SUCCULENT	50.9320	56	1,111.30	A
	BEAN, UNSPECIFIED	35.9551	28	784.67	A
	BOK CHOY	0.7727	2	16.00	A
	BROCCOLI	819.8209	1,301	20,423.37	A
		0.2491	7	267,705.00	S
	TOTAL POUNDS ON THIS COMMODITY	820.0700			
	CABBAGE	144.2597	296	3,436.71	A
	CANTALOUPE	128.7814	45	2,948.30	A
	CARROT	264.2802	144	6,420.66	A
	CAULIFLOWER	299.2200	433	7,276.63	A
	CHERRY	1,056.8068	958	20,477.26	A
	CHINESE CABBAGE (NAPPA)	1.5943	7	36.00	A
	CHRISTMAS TREE	1.0778	4	23.30	A
	COLLARD	13.3467	36	356.30	A
	COMMODITY FUMIGATION	0.2028			
	CORN (FORAGE - FODDER)	252.1332	175	6,521.00	A
	CORN, HUMAN CONSUMPTION	2,259.0193	1,986	52,210.76	A
	COTTON	85.9172	29	1,876.06	A
	COTTON (FORAGE - FODDER)	1.7570	1	36.00	A
	CUCUMBER	36.9026	26	800.15	A
	EGGPLANT	20.1916	80	380.60	A
	ENDIVE (ESCAROLE)	6.4240	1	140.40	A
	FOREST, TIMBERLAND	0.3965	2	68.00	A
	FUMIGATION, OTHER	1.6465			
	GAI LON	0.7117	2	8.00	A
	GRAPE	0.2147	1	17.00	A
	GRAPE, WINE	12.3641	1	4.00	A
	LANDSCAPE MAINTENANCE	6.0618			
	LETTUCE, HEAD	1,227.7741	2,206	32,366.52	A
	LETTUCE, LEAF	2.6941	11	74.10	A
	MELON	17.2438	24	639.60	A
	MUSTARD	1.9634	39	51.15	A



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<b>ESFENVALERATE</b>					
	N-GRNHS PLANTS IN CONTAINERS	1.3015	4	174,000.00	S
		0.3711	3	10.03	A
	TOTAL POUNDS ON THIS COMMODITY	1.6726			
	N-GRNHS TRANSPLANTS	2.9021	42	87.66	A
	N-OUTDR FLOWER	0.0661	2	2.81	A
	N-OUTDR PLANTS IN CONTAINERS	53.7023	143	1,342.78	A
		0.0322	31	46,193.00	S
	TOTAL POUNDS ON THIS COMMODITY	53.7345			
	N-OUTDR TRANSPLANTS	102.5669	167	2,370.30	A
	NECTARINE	1,115.2236	2,045	27,899.68	A
	ONION, GREEN	0.4331	1	42.80	A
	PEACH	3,153.1951	3,835	69,978.38	A
	PEAR	571.2308	295	10,622.31	A
	PEAS	47.4640	118	1,204.18	A
	PECAN	7.9207	22	531.50	A
	PEPPER, FRUITING	252.5534	209	6,009.53	A
	PEPPER, SPICE	29.0620	36	711.90	A
	PLUM	755.3308	1,435	18,315.70	A
	POTATO	955.2562	327	19,677.37	A
	PRUNE	1,145.5522	540	27,754.39	A
	PUBLIC HEALTH	0.4935			
	PUMPKIN	20.2604	34	430.27	A
	RADISH	27.2673	94	544.51	A
	RESEARCH COMMODITY	1.4053			
		1.2799	3	160.75	A
	TOTAL POUNDS ON THIS COMMODITY	2.6852			
	RIGHTS OF WAY	1.2457			
	SOIL FUMIGATION/PREPLANT	0.5336	1	11.00	A
	SQUASH	19.2262	41	449.50	A
	SQUASH, SUMMER	11.2071	23	236.60	A
	SQUASH, WINTER	7.2875	7	84.00	A
	STRUCTURAL PEST CONTROL	97.5826			
	SUGARBEET	784.6906	340	26,171.85	A
	SUNFLOWER	544.3402	209	11,787.50	A
	TOMATO	994.1647	544	21,874.13	A
	TOMATO, PROCESSING	2,251.4836	728	50,568.50	A
	UNCULTIVATED AG	2.9413	2	112.00	A
	WALNUT	1,297.5041	776	25,498.92	A
	WATERMELON	27.4660	20	688.00	A
	Chemical Total	30,823.3236	24,258		
<b>ESSENTIAL OILS</b>					
	N-GRNHS PLANTS IN CONTAINERS	1.0195	1	22,680.00	S
	Chemical Total	1.0195	1		
<b>ETHALFLURALIN</b>					
	BEAN, DRIED	8,010.2615	142	7,157.08	A
	BEAN, SUCCULENT	924.1678	19	805.23	A
	BEAN, UNSPECIFIED	1,775.4871	40	1,438.80	A
	CANTALOUPE	465.1244	53	1,870.00	A
	CORN (FORAGE - FODDER)	2.2631	1	46.00	A
	CUCUMBER	2,405.7455	41	1,914.65	A
	LANDSCAPE MAINTENANCE	4.5107			
	MELON	293.1691	47	1,577.20	A
	N-OUTDR FLOWER	10.5614	1	28.00	A
	PUMPKIN	439.4169	6	393.00	A
	RESEARCH COMMODITY	2.4433			
	RIGHTS OF WAY	55.5379			
	SOIL FUMIGATION/PREPLANT	147.6333	3	101.60	A
	SOYBEAN	195.8687	4	154.20	A
	SQUASH	288.8349	11	272.80	A
	SQUASH, SUMMER	22.2528	4	50.00	A
	STRUCTURAL PEST CONTROL	0.0919			

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<b>ETHALFLURALIN</b>					
	SUNFLOWER	14,932.2427	182	10,765.00	A
	WATERMELON	985.1660	26	822.60	A
	Chemical Total	30,960.7790	580		
<b>ETHEPHON</b>					
	APPLE	162.2273	20	393.40	A
	BARLEY	45.2660	2	114.00	A
	BEAN, SUCCULENT	5.9976	1	10.00	A
	CANTALOUPE	1.5440	3	13.75	A
	CHERRY	9.2564	1	37.00	A
	COTTON	588,438.1830	7,053	572,141.83	A
	CUCUMBER	324.2129	165	4,402.40	A
	GRAPE	12,363.1194	1,127	47,414.62	A
	GRAPE, WINE	235.2093	9	608.00	A
	LANDSCAPE MAINTENANCE	11,492.4093			
	N-GRNHS FLOWER	0.0549	5	0.45	A
		0.0413	1	4,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0962			
	N-GRNHS PLANTS IN CONTAINERS	30.4438	321	101.27	A
		19.6214	169	1,205,285.00	S
		0.0155	1	10,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	50.0807			
	N-GRNHS TRANSPLANTS	0.4111	9	2.02	A
		0.2722	4	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6833			
	N-OUTDR FLOWER	0.5518	7	2.08	A
		0.1341	2	6,750.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6859			
	N-OUTDR PLANTS IN CONTAINERS	52.5231	146	300.38	A
		4.6501	66	338,750.00	S
	TOTAL POUNDS ON THIS COMMODITY	57.1732			
	N-OUTDR TRANSPLANTS	3.5052	38	49.39	A
		0.0944	4	9,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.5996			
	OLIVE	0.0914	2	175.00	U
	PEPPER, FRUITING	347.5553	22	662.30	A
	PEPPER, SPICE	404.0385	31	784.50	A
	PUMPKIN	14.2839	14	72.00	A
	RESEARCH COMMODITY	8.9501	1	6.62	A
	RIGHTS OF WAY	383.9456			
	SQUASH	842.6533	312	5,174.22	A
	SQUASH, SUMMER	5.0962	21	95.12	A
	SQUASH, WINTER	13.6233	5	110.00	A
	STRUCTURAL PEST CONTROL	25.6813			
	TOMATO	493.6974	30	925.80	A
	TOMATO, PROCESSING	4,003.8723	157	8,307.22	A
	VERTEBRATE CONTROL	13.4663			
	WALNUT	17,357.7718	418	18,346.76	A
	WHEAT	40.2098	2	128.00	A
	WHEAT (FORAGE - FODDER)	60.0255	1	117.00	A
	Chemical Total	637,204.7061	10,170		
<b>ETHION</b>					
	STRUCTURAL PEST CONTROL	0.0308			
	Chemical Total	0.0308			
<b>ETHOFUMESATE</b>					
	LANDSCAPE MAINTENANCE	6,205.7413			
	N-OUTDR FLOWER	549.1784	73	643.32	A
	N-OUTDR PLANTS IN CONTAINERS	267.8837	7	196.00	A
	N-OUTDR TRANSPLANTS	83.0219	4	66.00	A
	REGULATORY PEST CONTROL	39.4292			
	RESEARCH COMMODITY	2.0256			
	STRUCTURAL PEST CONTROL	1,499.5457			

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<b>ETHOFUMESATE</b>					
	SUGARBEET	3,282.0205	266	18,164.95	A
	SUGARBEET (FORAGE - FODDER)	299.6910	13	526.00	A
	TURF/SOD	941.2267	60	836.09	A
	Chemical Total	13,169.7640	423		
<b>ETHOPROP</b>					
	BEAN, DRIED	7,015.6314	21	1,357.00	A
	BEAN, SUCCULENT	4,119.5591	15	1,023.00	A
	BEAN, UNSPECIFIED	698.9284	4	88.10	A
	CABBAGE	2,592.6514	99	911.30	A
	CHINESE CABBAGE (NAPPA)	116.9023	12	76.20	A
	CUCUMBER	55.6962	2	9.20	A
	LANDSCAPE MAINTENANCE	3.0000			
	N-GRNHS PLANTS IN CONTAINERS	0.0200	1	0.20	A
	N-OUTDR TRANSPLANTS	1,840.5456	201	443.10	A
	POTATO	6,196.7807	15	942.00	A
	SWEET POTATO	490.6456	10	67.25	A
	Chemical Total	23,130.3607	380		
<b>2-(2-ETHOXYETHOXY) ETHYL 2-BENZIMIDAZOLE CARBAMATE</b>					
	LANDSCAPE MAINTENANCE	0.0044			
	Chemical Total	0.0044			
<b>ETHYL ACRYLATE</b>					
	CHINESE GREENS	0.1827	1	24,000.00	S
	Chemical Total	0.1827	1		
<b>ETHYL ACRYLATE AND METHYL METHACRYLATE COPOLYMER</b>					
	ALFALFA	2.3111	1	9.00	A
	ALMOND	19.8608	5	270.00	A
	BERMUDAGRASS	64.5742	4	159.00	A
	COTTON	35.9236	2	169.10	A
	GRAPE	37.6209	16	550.00	A
	GRAPE, WINE	8.4966	1	30.00	A
	LETTUCE, LEAF	10.1959	1	30.00	A
	ONION, DRY	574.4041	29	1,539.00	A
	Chemical Total	753.3872	59		
<b>ETHYL ALCOHOL</b>					
	ALFALFA	1.5494	1	40.00	A
	ANIMAL PREMISE	12.7937		11.00	A
	FUMIGATION, OTHER	11,856.6854			
	GRAPE, WINE	11.1405	1	3.40	A
	LANDSCAPE MAINTENANCE	70.3748			
	LEMON	0.0872	1	3.00	A
	OLIVE	21.2722	4	10.50	A
	PUBLIC HEALTH	0.0033			
	RIGHTS OF WAY	10.1800			
	STRUCTURAL PEST CONTROL	1.1605			
	TOMATO	1,611.8738		14,057.00	T
	Chemical Total	13,597.1208	7		
<b>ETHYLAN</b>					
	BROCCOLI	0.1260	1	0.50	A
	CABBAGE	0.1260	1	0.50	A
	CAULIFLOWER	0.0126	1	0.50	A
	LANDSCAPE MAINTENANCE	0.0213			
	Chemical Total	0.2859	3		

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<b>ETHYLENE</b>					
	GRAPE, WINE	1.7806	1	7.00	A
	ORANGE	29.9440		2,970.00	T
	Chemical Total	31.7246	1		
<b>ETHYLENE DIBROMIDE</b>					
	STRUCTURAL PEST CONTROL	3.4371			
	Chemical Total	3.4371			
<b>ETHYLENE DICHLORIDE</b>					
	STRUCTURAL PEST CONTROL	0.6094			
	Chemical Total	0.6094			
<b>ETHYLENE GLYCOL</b>					
	ALFALFA	2,135.6223	147	9,018.80	A
	ALMOND	452.1582	29	1,290.00	A
	APPLE	550.3541	43	756.00	A
	APRICOT	49.4390	9	89.50	A
	ASPARAGUS	6.1095	1	203.86	A
	BEAN, DRIED	17.9976	3	164.00	A
	BEAN, SUCCULENT	9.6762	1	80.00	A
	BEAN, UNSPECIFIED	24.9463	2	15.00	A
	CANTALOUPE	32.2276	5	152.20	A
	CAULIFLOWER	15.4455	2	46.00	A
	CHERRY	111.0957	12	217.00	A
	CITRUS	8.2536	9	30.00	A
	CORN (FORAGE - FODDER)	1,217.5472	84	4,324.60	A
	CORN, HUMAN CONSUMPTION	27.7974	24	172.00	A
	COTTON	5,503.3109	553	28,330.57	A
	CUCUMBER	8.7322	2	70.00	A
	FORAGE HAY/SILAGE	70.2004	11	427.20	A
	GRAPE	174.2859	48	1,158.05	A
	GRAPE, WINE	16,655.5564	495	39,420.05	A
	GRAPEFRUIT	9.6102	5	20.00	A
	LANDSCAPE MAINTENANCE	21.5298			
	LEMON	371.1341	42	1,020.00	A
	MELON	69.0029	4	349.90	A
	N-GRNHS FLOWER	0.2268	1	1.00	A
	N-OUTDR FLOWER	177.8512	35	236.90	A
	OAT	8.4666	1	55.00	A
	OAT (FORAGE - FODDER)	17.5380	5	145.00	A
	OLIVE	109.9547	29	338.00	A
	ORANGE	4,666.3207	636	16,314.03	A
	PASTURELAND	6.5314	2	27.00	A
	PEACH	0.0000	3	52.00	A
	PEAS	1.2095	1	8.00	A
	PECAN	28.7381	2	85.00	A
	PEPPER, FRUITING	0.4698	4	2.00	A
	PERSIMMON	1.2095	1	5.00	A
	PISTACHIO	191.7361	24	512.00	A
	PLUM	10.8857	1	18.00	A
	PRUNE	12.0952	1	80.00	A
	RICE	4.5735	2	6.70	A
	RIGHTS OF WAY	5,380.9592			
	SAFFLOWER	24.6055	4	165.00	A
	SORGHUM/MILO	10.8857	3	40.00	A
	SOYBEAN	8.7085	1	72.00	A
	SOYBEAN GRAIN	15.2400	4	150.00	A
	SQUASH	2.2679	2	15.00	A
	STRAWBERRY	697.7702	76	2,228.50	A
	STRUCTURAL PEST CONTROL	396.7212			
	SUNFLOWER	85.6406	6	437.80	A
	TANGELO	174.4335	26	379.00	A
	TANGERINE	388.0923	64	1,218.00	A
	TOMATO	10.4253	12	68.00	A
	TOMATO, PROCESSING	100.4909	13	866.00	A

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<b>ETHYLENE GLYCOL</b>					
	UNCULTIVATED AG	510.8861	40	2,237.60	A
	WALNUT	2,655.1284	141	5,530.64	A
	WATERMELON	0.0752	1	0.50	A
	WHEAT	82.8653	51	1,439.00	A
	WHEAT (FORAGE - FODDER)	12.3371	3	68.00	A
	Chemical Total	43,337.3727	2,726		
<b>ETHYLENE GLYCOL MONOMETHYL ETHER</b>					
	ALFALFA	4.8680	6	568.00	A
	ALMOND	32.4060	25	829.20	A
	BROCCOLI	0.5211	1	15.00	A
	CABBAGE	1.0126	2	23.52	A
	CELERY	5.1423	2	34.00	A
	CITRUS	2.6463	2	13.00	A
	CORN (FORAGE - FODDER)	276.5427	100	4,891.59	A
	CORN, HUMAN CONSUMPTION	11.5736	16	336.20	A
	COTTON	204.4965	74	4,720.00	A
	GRAPE	12.1737	2	55.00	A
	GRAPE, WINE	150.6769	91	3,762.06	A
	GRAPEFRUIT	2.6258	2	11.00	A
	KALE	0.2051	5	5.00	A
	LEMON	87.4352	19	371.00	A
	LETTUCE, LEAF	1.6412	23	37.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.5131	4	93,000.00	S
	OLIVE	51.8366	14	514.00	A
	ORANGE	1,524.5231	278	6,703.21	A
	PEPPER, SPICE	14.3596	3	52.00	A
	POTATO	15.8382	18	460.30	A
	RIGHTS OF WAY	3.4190			
	STRAWBERRY	16.4553	2	96.00	A
	SUGARBEET	5.2794	1	154.00	A
	TANGELO	9.9902	5	49.70	A
	TANGERINE	3.2480	2	38.00	A
	TOMATO, PROCESSING	1.2890	1	80.00	A
	UNCULTIVATED AG	6.8379	1	10.00	A
	WALNUT	281.4899	26	1,244.00	A
	Chemical Total	2,729.0463	725		
<b>2-ETHYLHEXYL SULFATE, SODIUM SALT</b>					
	RIGHTS OF WAY	5.6790			
	STRUCTURAL PEST CONTROL	201.2977			
	Chemical Total	206.9767			
<b>ETOXAZOLE</b>					
	N-GRNHS FLOWER	7.4375	37	2,286,735.00	S
		6.8916	63	62.65	A
	TOTAL POUNDS ON THIS COMMODITY	14.3291			
	N-GRNHS PLANTS IN CONTAINERS	0.9841	16	18.57	A
		0.2485	9	219,820.00	S
		0.1000	1	40,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.3326			
	N-GRNHS TRANSPLANTS	0.0500	2	23,000.00	S
	N-OUTDR FLOWER	0.9125	12	10.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.8625	6	23.88	A
		0.0375	1	5,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.9000			
	N-OUTDR TRANSPLANTS	0.4500	5	23.00	A
	RESEARCH COMMODITY	0.0500	3	0.35	A
		0.0127			
	TOTAL POUNDS ON THIS COMMODITY	0.0627			
	STRAWBERRY	1.0260	2	7.60	A
	Chemical Total	19.0629	157		

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<b>EUGENOL</b>					
	GRAPE, WINE	3.4500	1	15.00	A
	Chemical Total	3.4500	1		
<b>FARNESOL</b>					
	BEAN, DRIED	0.1229	1	95.00	A
	CORN (FORAGE - FODDER)	2.4335	36	1,624.62	A
	COTTON	1.8047	23	1,308.00	A
	CUCUMBER	0.2326	5	148.00	A
	GRAPE, WINE	0.0470	2	268.24	A
	N-GRNHS FLOWER	0.0104	3	3.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.5705	60	127.68	A
		0.0014	2	4,894.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5719			
	N-OUTDR PLANTS IN CONTAINERS	2.0795	30	609.20	A
	SQUASH	0.0515	1	40.00	A
	WATERMELON	0.1337	1	70.00	A
	Chemical Total	7.4877	164		
<b>FATTY ACIDS, METHYL ESTERS</b>					
	ALFALFA	4,950.3609	197	8,187.65	A
	ALMOND	28,227.2635	1,231	82,508.95	A
		8.5095		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	28,235.7730			
	APPLE	524.4676	68	1,741.18	A
	APRICOT	2,444.7206	64	4,890.00	A
	ARTICHOKE, GLOBE	2,490.0457	184	7,794.20	A
	ASPARAGUS	29.9961	2	95.50	A
	BASIL, SWEET	5.3450	3	67.00	A
	BEAN, DRIED	804.3523	80	5,265.00	A
	BEAN, SUCCULENT	138.6628	16	1,082.50	A
	BEAN, UNSPECIFIED	42.5476	1	40.00	A
	BERMUDAGRASS	55.3120	8	515.00	A
	BOK CHOY	3.7867	4	38.15	A
	BROCCOLI	9.2914	9	92.70	A
	CABBAGE	4.5951	4	33.00	A
	CANTALOUPE	74.5436	10	578.10	A
	CARDOON	4.4276	7	22.20	A
	CARROT	2,841.2139	128	7,175.30	A
	CAULIFLOWER	6.2970	4	22.70	A
	CELERY	82.1874	64	404.34	A
	CHERRY	2,431.1390	401	9,116.90	A
	CHESTNUT	4.9861	4	22.00	A
	CITRUS	16.5085	2	14.00	A
	CLOVER	1.3296	1	20.00	A
	COLLARD	12.7642	2	60.00	A
	CORN (FORAGE - FODDER)	563.7747	59	6,252.00	A
	CORN, HUMAN CONSUMPTION	386.2328	89	782.34	A
	COTTON	9,703.3849	576	40,320.46	A
	CUCUMBER	25.5286	2	100.00	A
	EGGPLANT	17.2318	2	48.00	A
	FENNEL	4.6670	5	23.40	A
	GARLIC	201.0801	6	373.00	A
	GRAPE	6,223.1535	486	25,752.68	A
	GRAPE, WINE	3,749.4531	270	15,128.15	A
	GRAPEFRUIT	40.5479	3	25.00	A
	LEMON	206.6911	12	169.80	A
	LETTUCE, HEAD	3,693.1651	865	22,120.65	A
	LETTUCE, LEAF	409.9280	150	2,241.74	A
	MELON	11.8814	3	121.00	A
	N-OUTDR PLANTS IN CONTAINERS	32.2298	30	96.70	A
	NECTARINE	10.5704	6	37.50	A
	OAT	29.8259	1	74.80	A
	OILSEED	16.5935	6	52.00	A
	OLIVE	97.5192	11	405.50	A
	ONION, DRY	181.3741	39	718.20	A
	ORANGE	13,789.2936	708	18,935.93	A

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<b>FATTY ACIDS, METHYL ESTERS</b>					
	PARSLEY	16.6361	1	100.00	A
	PEACH	2,736.8256	201	7,074.10	A
	PEAR	1,242.5216	137	6,011.00	A
	PEPPER, FRUITING	204.7459	41	1,056.13	A
	PISTACHIO	29,499.9105	730	103,381.68	A
	PLUM	21.2738	1	80.00	A
	POMEGRANATE	1,972.9989	62	13,641.26	A
	POTATO	286.2126	18	1,366.30	A
	PUMPKIN	4.9355	2	29.00	A
	RAPPINI	2.4731	2	12.40	A
	RICE	3,250.8102	161	10,892.14	A
	RIGHTS OF WAY	79.7769			
	SAFFLOWER	47.4405	9	446.00	A
	SOIL FUMIGATION/PREPLANT	5.1057	1	24.00	A
	SPINACH	90.7880	68	512.70	A
	SQUASH	18.0827	3	65.00	A
	STRAWBERRY	739.0020	34	2,170.00	A
	STRUCTURAL PEST CONTROL	9.9721			
	SUGARBEET	204.2289	22	1,432.65	A
	SUNFLOWER	8.5095	1	40.00	A
	TANGELO	501.6154	59	1,399.90	A
	TANGERINE	12.7643	1	8.00	A
	TOMATILLO	1.7285	1	13.00	A
	TOMATO	764.5286	182	5,484.65	A
	TOMATO, PROCESSING	2,709.0347	129	10,489.50	A
	UNCULTIVATED AG	602.7776	71	1,795.30	A
	UNCULTIVATED NON-AG	251.5416		472.93	A
	WALNUT	1,633.0990	80	3,630.35	A
	WATERMELON	644.1499	95	2,383.46	A
	WHEAT	468.7261	34	2,670.30	A
	WHEAT (FORAGE - FODDER)	64.5022	4	222.00	A
	Chemical Total	132,705.4982	7,973		
<b>FATTY ACIDS (C12-C18), METHYL ESTERS</b>					
	ALMOND	8.9569	1	32.00	A
	GRAPE, WINE	44.8800	1	20.00	A
	STRUCTURAL PEST CONTROL	24.2112			
	Chemical Total	78.0481	2		
<b>FATTY ACIDS, C16-C18 AND C18-UNSATURATED, METHYL ESTERS</b>					
	LANDSCAPE MAINTENANCE	14.5758			
	WATER AREA	8.6544		18.25	A
	Chemical Total	23.2302			
<b>FATTY ACIDS, MIXED</b>					
	ALFALFA	1,904.4566	785	55,903.60	A
	ALMOND	11,208.4258	2,041	173,694.74	A
	APPLE	148.4094	80	1,515.66	A
	APRICOT	88.8703	21	227.50	A
	ASPARAGUS	0.4353	2	35.10	A
	AVOCADO	24.7088	36	386.11	A
	BARLEY	36.3791	21	1,156.71	A
	BARLEY (FORAGE - FODDER)	0.7277	1	90.00	A
	BEAN, DRIED	75.9351	22	1,631.00	A
	BEAN, SUCCULENT	13.6600	18	577.50	A
	BEAN, UNSPECIFIED	0.0992	1	32.00	A
	BERMUDAGRASS	49.9089	4	350.00	A
	BLACKBERRY	0.0159	1	2.00	A
	BLUEBERRY	2.3338	6	96.00	A
	BOYSENBERRY	11.5313	2	59.00	A
	BROCCOLI	143.8096	316	5,512.84	A
	CABBAGE	0.0812	2	5.00	A
	CANOLA (RAPE)	5.1979	5	194.00	A
	CANTALOUPE	300.6645	73	7,606.00	A
	CARROT	135.4646	104	4,365.33	A

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<b>FATTY ACIDS, MIXED</b>					
	CAULIFLOWER	8.0782	75	633.49	A
	CELERY	10.7828	68	385.85	A
	CHERRY	129.2966	60	1,622.28	A
	CHESTNUT	2.5340	6	25.50	A
	CILANTRO	2.0359	3	50.20	A
	CITRUS	10.1011	9	303.00	A
	COLLARD	0.7310	1	45.00	A
	CORN (FORAGE - FODDER)	124.0757	91	5,523.55	A
	CORN, HUMAN CONSUMPTION	7.9287	49	918.30	A
	COTTON	7,951.4049	2,840	235,401.73	A
	DATE	12.9948	2	40.00	A
	DITCH BANK	0.5206	2	40.00	A
	FIG	1.9336	6	360.00	A
	FORAGE HAY/SILAGE	0.0883	4	140.00	A
	FOREST, TIMBERLAND	200.4124	80	2,887.40	A
	GAI LON	2.4365	1	15.00	A
	GARLIC	7.1877	11	865.20	A
	GRAPE	1,749.6384	1,579	62,223.58	A
	GRAPE, WINE	1,170.9608	935	47,171.00	A
	GRAPEFRUIT	57.7298	26	675.40	A
	INDUSTRIAL SITE	0.3249		2.00	A
	JOJOBA BEAN	5.3604	4	160.00	A
	KIWI	8.5766	4	66.00	A
	LANDSCAPE MAINTENANCE	495.3631			
		0.6497	1	0.75	A
	TOTAL POUNDS ON THIS COMMODITY	496.0128			
	LEMON	349.9147	195	4,856.11	A
	LETTUCE, HEAD	34.9194	154	2,397.74	A
	LETTUCE, LEAF	20.5240	88	820.38	A
	MELON	10.7902	5	485.40	A
	N-GRNHS FLOWER	15.8944	345	516.44	A
	N-GRNHS PLANTS IN CONTAINERS	6.2167	200	158.05	A
		0.0015	1	600.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.2182			
	N-GRNHS TRANSPLANTS	0.1624	1	0.50	A
	N-OUTDR FLOWER	4.1892	87	139.15	A
	N-OUTDR PLANTS IN CONTAINERS	47.4770	192	1,245.70	A
		1.3398	9	265,500.00	U
		0.0660	1	14,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	48.8828			
	N-OUTDR TRANSPLANTS	5.0435	17	93.50	A
	NECTARINE	91.8922	1,005	12,902.70	A
	OAT	2.2241	7	236.00	A
	OAT (FORAGE - FODDER)	56.4858	46	2,539.42	A
	OLIVE	7.0029	6	211.00	A
	ONION, DRY	43.1016	55	3,606.98	A
	ORANGE	225.6886	352	11,323.40	A
	PASTURELAND	14.5379	9	134.00	A
	PEACH	228.1244	1,149	13,216.19	A
	PEAR	46.0986	36	567.81	A
	PEPPER, FRUITING	53.4620	27	925.00	A
	PEPPER, SPICE	0.1624	1	6.00	A
	PERSIMMON	0.3565	3	12.10	A
	PISTACHIO	1,011.1653	203	14,867.64	A
	PLUM	110.6924	447	4,718.08	A
	POMEGRANATE	1.7333	4	44.20	A
	POTATO	52.5947	140	4,540.53	A
	POULTRY	0.2591		10.00	A
	PRUNE	122.6730	32	2,681.10	A
	QUINCE	0.1883	1	4.00	A
	RANGELAND	72.1317	53	1,113.33	A
	RASPBERRY	0.1041	2	21.00	A
	REGULATORY PEST CONTROL	4.0341			
	RESEARCH COMMODITY	8.8145			
	RICE	935.5515	45	3,690.00	A
	RIGHTS OF WAY	3,305.7802			
		1.6244	1	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,307.4046			



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<b>FATTY ACIDS, MIXED</b>					
	SOIL FUMIGATION/PREPLANT	28.5774	39	2,519.90	A
	SORGHUM (FORAGE - FODDER)	0.9746	1	30.00	A
	SPINACH	11.5580	29	367.46	A
	SQUASH, SUMMER	0.1546	1	4.00	A
	STRAWBERRY	118.8795	531	12,232.08	A
	STRUCTURAL PEST CONTROL	1.2919			
	SUDANGRASS	12.6050	5	349.00	A
	SUGARBEET	119.2437	55	4,311.00	A
	TANGELO	8.9995	20	487.00	A
	TANGERINE	33.1644	49	1,190.00	A
	TOMATILLO	0.2474	1	8.00	A
	TOMATO	120.7483	51	4,335.10	A
	TOMATO, PROCESSING	350.1455	153	13,668.84	A
	TURF/SOD	158.9113	39	1,028.61	A
	UNCULTIVATED AG	104.2111	30	891.93	A
	UNCULTIVATED NON-AG	14.9802	13	186.75	A
	WALNUT	261.7196	249	7,924.31	A
	WATER AREA	15.9186	2	189.40	A
	WATERMELON	49.7691	19	807.94	A
	WHEAT	129.9208	206	17,589.03	A
	WHEAT (FORAGE - FODDER)	38.3778	119	6,397.62	A
Chemical Total		34,585.6822	15,929		
<b>FATTY ACIDS DERIVED FROM TALLOW</b>					
	ALFALFA	1,233.1987	788	47,724.28	A
	ALMOND	2,707.1435	864	51,293.48	A
	APPLE	22.1050	15	217.00	A
	AVOCADO	0.2961	1	10.00	A
	BARLEY	123.3750	101	6,581.80	A
	BARLEY (FORAGE - FODDER)	16.8914	5	430.00	A
	BEAN, DRIED	2.3809	9	89.81	A
	BEAN, SUCCULENT	2.4178	3	39.00	A
	BEAN, UNSPECIFIED	70.3608	46	1,600.67	A
	BEET	0.7463	1	20.00	A
	BERMUDAGRASS	2.4640	2	140.00	A
	BLUEBERRY	0.8884	1	30.00	A
	BOK CHOY	2.3574	17	42.50	A
	BROCCOLI	78.8982	90	1,645.74	A
	CABBAGE	91.5106	156	1,696.82	A
	CANTALOUPE	4.6907	3	124.00	A
	CARROT	4.1933	2	120.00	A
	CAULIFLOWER	30.9327	54	738.46	A
	CELERY	983.2196	580	13,594.43	A
	CHERRY	132.9560	35	954.02	A
	CHICORY	19.2899	14	283.00	A
	CHINESE CABBAGE (NAPPA)	0.2132	1	7.00	A
	CLOVER	12.6345	3	128.00	A
	COLLARD	33.6051	34	437.30	A
	CORN (FORAGE - FODDER)	563.0791	163	8,250.50	A
	CORN, HUMAN CONSUMPTION	55.6559	22	1,278.90	A
	COTTON	1,050.9880	755	34,424.60	A
	CUCUMBER	5.3674	6	85.00	A
	DITCH BANK	0.9240	1	3.00	A
	FORAGE HAY/SILAGE	18.2522	11	800.00	A
	FOREST, TIMBERLAND	48.0852	18	653.00	A
	GARLIC	3.6960	2	214.00	A
	GRAPE	248.9742	125	4,316.00	A
	GRAPE, WINE	291.9284	116	5,710.76	A
	KALE	9.7870	49	161.03	A
	KIWI	2.4640	1	20.00	A
	LANDSCAPE MAINTENANCE	6.0335			
	LEMON	161.4466	11	347.50	A
	LETTUCE, HEAD	160.8807	165	2,851.76	A
	LETTUCE, LEAF	43.8706	70	910.98	A
	MINT	30.2471	35	1,734.33	A
	MUSTARD	5.6111	13	112.00	A
	N-OUTDR FLOWER	212.5729	258	2,623.45	A

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<b>FATTY ACIDS DERIVED FROM TALLOW</b>					
	N-OUTDR PLANTS IN CONTAINERS	3.2475	5	6.71	A
	N-OUTDR TRANSPLANTS	97.8320	79	527.23	A
	NECTARINE	19.7159	39	244.50	A
	OAT	26.3854	22	1,187.90	A
	OAT (FORAGE - FODDER)	139.1248	53	2,642.00	A
	OLIVE	63.7650	19	329.81	A
	ONION, DRY	139.0719	64	3,430.90	A
	ONION, GREEN	12.6416	16	251.00	A
	ORANGE	570.3869	71	2,345.10	A
	PARSLEY	13.7229	23	213.43	A
	PASTURELAND	18.2633	18	596.00	A
	PEACH	504.8694	150	2,509.16	A
	PEAR	5.6608	6	59.00	A
	PEPPER, FRUITING	201.6706	91	2,904.00	A
	PEPPER, SPICE	29.4236	26	819.10	A
	PISTACHIO	1,031.7512	330	24,027.12	A
	PLUM	22.6035	23	233.00	A
	POMEGRANATE	8.3279	5	53.00	A
	POTATO	163.8887	145	8,508.60	A
	PRUNE	93.0139	99	4,556.33	A
	PUMPKIN	3.3188	11	112.00	A
	RADISH	17.2337	60	347.67	A
	RANGELAND	3.5420	2	425.00	A
	RASPBERRY	11.3190	10	91.00	A
	REGULATORY PEST CONTROL	11.4677			
	RESEARCH COMMODITY	0.1540	1	5.00	A
	RICE	44.0406	30	2,516.01	A
	RIGHTS OF WAY	1,557.8221			
		9.4737	14	77.75	A
	TOTAL POUNDS ON THIS COMMODITY	1,567.2958			
	RYE	0.5182	1	14.00	A
	SOIL FUMIGATION/PREPLANT	10.4150	4	122.00	A
	SPINACH	37.0200	105	736.36	A
	SQUASH	8.1436	4	145.00	A
	STRAWBERRY	1,678.6681	270	13,129.18	A
	STRUCTURAL PEST CONTROL	0.3008			
	SUDANGRASS	6.1312	2	91.00	A
	SUGARBEET	84.1462	68	3,822.00	A
	SUNFLOWER	1.9841	2	134.00	A
	SWISS CHARD	4.9750	16	66.00	A
	TANGELO	0.0000	1	5.00	A
	TANGERINE	3.5773	2	6.00	A
	TOMATO	160.9131	98	3,373.63	A
	TOMATO, PROCESSING	105.0448	61	5,325.50	A
	TURNIP	19.6632	11	46.00	A
	UNCULTIVATED AG	95.6459	39	1,512.30	A
	UNCULTIVATED NON-AG	1.6607	7	588.10	A
	VERTEBRATE CONTROL	1.3922	1	18.00	A
	WALNUT	529.0276	320	13,040.87	A
	WATERMELON	0.7551	3	23.50	A
	WHEAT	340.8916	296	17,766.50	A
	WHEAT (FORAGE - FODDER)	132.4182	63	3,532.10	A
	Chemical Total	16,543.6633	7,432		
<b>FENAMIPHOS</b>					
	ALMOND	5.8310	1	2.00	A
	APPLE	429.5639	6	301.78	A
	CHERRY	1,837.7749	24	645.68	A
	CITRUS	13.0699	1	9.00	A
	GRAPE	30,062.1864	304	18,212.80	A
	GRAPE, WINE	20,336.3217	175	11,695.92	A
	KIWI	640.2438	5	399.60	A
	LANDSCAPE MAINTENANCE	375.0000			
	LEMON	148.5465	7	93.00	A
	NECTARINE	278.2436	15	107.50	A

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<b>FENAMIPHOS</b>					
	ORANGE	4,033.6066	71	2,467.36	A
	PEACH	530.2231	16	207.50	A
	Chemical Total	58,690.6114	625		
<b>FENARIMOL</b>					
	APPLE	39.9664	61	523.00	A
	CHERRY	8.5021	8	187.30	A
	GRAPE	2,216.5278	1,630	64,032.67	A
	GRAPE, WINE	1,800.1516	1,661	54,664.99	A
	LANDSCAPE MAINTENANCE	755.0747			
	N-GRNHS FLOWER	11.0320	65	144.00	A
		1.0215	12	371,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.0535			
	N-GRNHS PLANTS IN CONTAINERS	0.8429	15	13.01	A
		0.4345	24	262,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.2774			
	N-GRNHS TRANSPLANTS	0.0467	1	1.00	A
	N-OUTDR FLOWER	72.6277	248	1,507.68	A
	N-OUTDR PLANTS IN CONTAINERS	10.6685	77	158.45	A
		0.5099	15	391,860.00	S
		0.3803	4	8,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	11.5587			
	N-OUTDR TRANSPLANTS	3.1777	1	1.58	A
		0.2233	3	153,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.4010			
	PEAR	45.4364	14	519.00	A
	RANGELAND	0.0234	1	1.00	A
	RESEARCH COMMODITY	0.0776			
	RIGHTS OF WAY	0.0624			
	STRAWBERRY	0.0039	1	2.50	A
	Chemical Total	4,966.7913	3,841		
<b>FENBUCONAZOLE</b>					
	APRICOT	17.3367	12	186.50	A
	CHERRY	17.3550	5	185.00	A
	NECTARINE	429.8537	363	4,916.84	A
	PEACH	288.1832	242	3,043.83	A
	PLUM	3.3750	5	35.96	A
	Chemical Total	756.1036	627		
<b>FENBUTATIN-OXIDE</b>					
	ALMOND	27,489.9118	621	34,661.42	A
	APPLE	175.5000	22	315.00	A
	CHERRY	2,932.1663	90	2,788.38	A
	CITRUS	15.0000	1	15.00	A
	EGGPLANT	91.5000	5	70.50	A
	GRAPE	2,607.3500	89	3,420.46	A
	GRAPE, WINE	274.7000	11	672.10	A
	LANDSCAPE MAINTENANCE	19.4732			
	N-GRNHS FLOWER	87.6600	41	2,802,000.00	S
		32.0492	29	47.25	A
	TOTAL POUNDS ON THIS COMMODITY	119.7092			
	N-GRNHS PLANTS IN CONTAINERS	0.5000	1	1.00	A
		0.0878	4	84,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5878			
	N-GRNHS TRANSPLANTS	2.5744	5	2.77	A
		0.0066	2	18.00	U
		0.0024	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.5834			
	N-OUTDR FLOWER	77.7528	48	151.30	A
		0.0008	1	1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	77.7536			

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<b>FENBUTATIN-OXIDE</b>					
	N-OUTDR PLANTS IN CONTAINERS	121.8391	86	204.71	A
		0.0813	11	23,680.00	S
		0.0674	3	6,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	121.9878			
	N-OUTDR TRANSPLANTS	22.8625	4	33.45	A
	NECTARINE	776.0250	76	1,088.63	A
	ORANGE	1,304.4500	52	1,593.31	A
	PEACH	5,347.5825	415	8,892.68	A
	PEAR	7.2500	2	8.00	A
	PLUM	653.1800	73	1,003.08	A
	PRUNE	989.3300	37	1,228.40	A
	REGULATORY PEST CONTROL	0.0094			
	RESEARCH COMMODITY	5.0396			
	RIGHTS OF WAY	0.1148			
	STRAWBERRY	200.6875	12	212.25	A
	STRUCTURAL PEST CONTROL	0.0165			
	TANGERINE	793.2400	13	552.66	A
	WALNUT	2,285.3300	145	3,286.00	A
	Chemical Total	46,313.3409	1,900		
<b>FENHEXAMID</b>					
	BLACKBERRY	27.7500	2	37.00	A
	CHERRY	8.0000	2	15.00	A
	GRAPE	3,266.2075	240	6,823.19	A
	GRAPE, WINE	14,416.6089	957	29,863.53	A
		0.0300	1	5.30	U
	TOTAL POUNDS ON THIS COMMODITY	14,416.6389			
	KIWI	0.0000		10.00	T
	LANDSCAPE MAINTENANCE	3.7500			
	N-GRNHS FLOWER	541.5623	492	971.01	A
		51.8750	32	1,334,980.00	S
	TOTAL POUNDS ON THIS COMMODITY	593.4373			
	N-GRNHS PLANTS IN CONTAINERS	289.6171	411	377.72	A
		132.7733	298	7,949,928.20	S
		0.0288	2	1,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	422.4192			
	N-GRNHS TRANSPLANTS	25.0339	57	49.70	A
		17.3923	38	656,247.00	S
	TOTAL POUNDS ON THIS COMMODITY	42.4262			
	N-OUTDR FLOWER	626.4172	357	1,132.09	A
		1.3125	2	105,789.00	S
	TOTAL POUNDS ON THIS COMMODITY	627.7297			
	N-OUTDR PLANTS IN CONTAINERS	415.9907	261	682.96	A
		21.9878	45	1,384,124.00	S
	TOTAL POUNDS ON THIS COMMODITY	437.9785			
	N-OUTDR TRANSPLANTS	19.9844	47	44.49	A
		3.8750	6	188,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	23.8594			
	NECTARINE	0.2500	1	0.50	A
	PEACH	1.0000	1	2.00	A
	PLUM	0.2500	1	0.50	A
	RASPBERRY	57.7500	2	77.00	A
	RESEARCH COMMODITY	2.3462			
		0.5569	5	0.45	A
		0.1250	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.0281			
	STRAWBERRY	33,880.1411	1,790	51,805.03	A
	TOMATO	63.0000	14	135.00	A
	UNKNOWN	5.0000	1	7.00	A
	VERTEBRATE CONTROL	9.7500	1	13.00	A
	Chemical Total	53,890.3659	5,067		

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<b>FENOXAPROP-ETHYL</b>					
	LANDSCAPE MAINTENANCE	2.2510			
	RICE	61.6483	35	1,681.40	A
	Chemical Total	63.8993	35		
<b>FENOXAPROP-P-ETHYL</b>					
	BARLEY	146.1962	23	1,827.70	A
	N-OUTDR PLANTS IN CONTAINERS	7.3106	11	88.00	A
	RICE	104.9648	73	3,989.32	A
	UNCULTIVATED AG	21.8730	1	265.00	A
	WHEAT	2,515.8056	461	31,051.13	A
	WHEAT (FORAGE - FODDER)	115.3236	28	1,397.40	A
	Chemical Total	2,911.4738	597		
<b>FENOXYCARB</b>					
	GRAPEFRUIT	1.5000	1	200.00	A
	LANDSCAPE MAINTENANCE	19.0303			
	N-GRNHS FLOWER	0.3911	2	26.20	A
	N-GRNHS PLANTS IN CONTAINERS	0.0160	32	338,200.00	S
		0.0003	1	15.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0163			
	N-GRNHS TRANSPLANTS	0.1550	2	10.00	A
	N-OUTDR PLANTS IN CONTAINERS	12.4788	50	733.52	A
	N-OUTDR TRANSPLANTS	0.4400	12	33.90	A
	STRUCTURAL PEST CONTROL	0.1150			
	Chemical Total	34.1265	100		
<b>FENPROPATHRIN</b>					
	APPLE	2,430.2958	284	6,702.40	A
	BROCCOLI	15.8653	5	50.70	A
	CANTALOUPE	103.2782	18	607.90	A
	CAULIFLOWER	19.7628	4	63.20	A
	CITRUS	5.7419	4	15.30	A
	COTTON	6,892.8819	507	29,731.13	A
	CUCUMBER	36.3663	7	185.64	A
	GRAPE	4,522.6657	505	20,125.94	A
	GRAPE, WINE	8,648.2010	782	39,950.73	A
	GRAPEFRUIT	69.7055	6	194.00	A
	LANDSCAPE MAINTENANCE	3.6524			
	LEMON	70.3827	13	197.60	A
	MELON	86.3480	13	470.90	A
	N-GRNHS FLOWER	81.6479	40	266.72	A
		0.3324	1	58,730.00	S
		0.0293		7,640.00	U
	TOTAL POUNDS ON THIS COMMODITY	82.0096			
	N-GRNHS PLANTS IN CONTAINERS	51.5644	82	135.79	A
		1.4484	10	445,745.00	S
	TOTAL POUNDS ON THIS COMMODITY	53.0128			
	N-GRNHS TRANSPLANTS	2.9460	7	184,500.00	S
		1.4711	23	8.93	A
	TOTAL POUNDS ON THIS COMMODITY	4.4171			
	N-OUTDR FLOWER	10.1075	22	40.55	A
		0.9306	9	483,602.00	U
		0.2346	1	5,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	11.2727			
	N-OUTDR PLANTS IN CONTAINERS	489.7953	653	1,771.71	A
		14.1251	71	766,693.00	S
		2.1855	44	215,755.00	U
	TOTAL POUNDS ON THIS COMMODITY	506.1059			
	N-OUTDR TRANSPLANTS	2.6588	6	17.00	A
	ORANGE	7,450.2778	694	20,514.89	A
	PEAR	708.1695	94	1,762.76	A
	PUMPKIN	4.5293	5	15.74	A
	RESEARCH COMMODITY	0.0694			
	RIGHTS OF WAY	0.0489	1	2.00	A

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<b>FENPROPATHRIN</b>					
	SQUASH	32.2186	4	116.50	A
	SQUASH, SUMMER	1.9519	1	10.00	A
	SQUASH, ZUCCHINI	2.5024	1	10.00	A
	STRAWBERRY	7,590.3392	1,170	24,539.19	A
	TANGELO	97.4940	15	265.00	A
	TANGERINE	772.0338	51	2,586.42	A
	TOMATO	1,869.7354	195	9,410.90	A
	TOMATO, PROCESSING	140.2713	16	695.00	A
	VERTEBRATE CONTROL	5.3372	1	13.00	A
	WATERMELON	5.0799	1	22.00	A
	Chemical Total	42,244.6830	5,366		
<b>FENPYROXIMATE</b>					
	COTTON	2.3492	1	26.00	A
	GRAPE	116.6627	39	1,291.50	A
	GRAPE, WINE	344.9689	56	3,077.11	A
	N-GRNHS FLOWER	4.4389	22	732,002.00	S
		3.8724	32	59.35	A
	TOTAL POUNDS ON THIS COMMODITY	8.3113			
	N-GRNHS PLANTS IN CONTAINERS	10.1003	114	129.90	A
		2.9386	26	933,338.00	S
		0.2135	3	75,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	13.2524			
	N-GRNHS TRANSPLANTS	0.2596	5	3.24	A
	N-OUTDR FLOWER	2.2797	11	36.46	A
	N-OUTDR PLANTS IN CONTAINERS	0.7471	8	160,000.00	S
		0.6604	12	4.10	A
	TOTAL POUNDS ON THIS COMMODITY	1.4075			
	PEAR	2.4155	2	40.10	A
	Chemical Total	491.9068	331		
<b>FENSULFOTHION</b>					
	STRUCTURAL PEST CONTROL	0.0001			
	Chemical Total	0.0001			
<b>FENTHION</b>					
	ANIMAL PREMISE	3.1297		18.00	A
	PUBLIC HEALTH	32.8761			
	Chemical Total	36.0058			
<b>FENVALERATE</b>					
	STRUCTURAL PEST CONTROL	8.2216			
	Chemical Total	8.2216			
<b>FERRIC SULFATE (ANHYDROUS)</b>					
	LANDSCAPE MAINTENANCE	94.2461			
	Chemical Total	94.2461			
<b>FERROUS SULFATE</b>					
	ALFALFA	54.5805	102	6,419.70	A
	ALMOND	58.1415	19	1,355.00	A
	BEAN, SUCCULENT	2.2630	2	162.00	A
	CABBAGE	0.8767	7	128.00	A
	CANTALOUPE	5.8322	5	380.00	A
	CORN (FORAGE - FODDER)	0.5029	4	72.00	A
	COTTON	83.5399	198	11,461.60	A
	EGGPLANT	0.0873	1	10.00	A
	GRAPE	2.2351	4	96.00	A
	GRAPE, WINE	55.8992	11	747.18	A
	LEMON	1.7462	2	55.00	A
	LETTUCE, HEAD	3.4247	17	500.00	A
	LETTUCE, LEAF	0.5616	3	82.00	A

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<b>FERROUS SULFATE</b>					
	MELON	1.3725	6	84.00	A
	N-OUTDR PLANTS IN CONTAINERS	1.3699	1	80.00	A
	NECTARINE	4.0686	5	79.50	A
	ONION, DRY	1.5890	5	232.00	A
	ORANGE	7.6832	7	55.00	A
	PEACH	1.9529	4	29.90	A
	PEPPER, FRUITING	5.1544	8	579.00	A
	PLUM	1.7546	4	50.20	A
	POMEGRANATE	0.3353	1	16.00	A
	POTATO	1.3131	5	215.00	A
	RICE	0.0071	1	150.00	A
	SORGHUM/MILO	0.4833	2	138.00	A
	TOMATO, PROCESSING	2.7222	8	383.00	A
	WALNUT	5.2250	7	123.00	A
	WATERMELON	1.0890	4	159.00	A
	WHEAT	0.4301	2	126.00	A
	Chemical Total	306.2410	445		
<b>FIPRONIL</b>					
	GRAPE, WINE	0.0261	1	9.00	A
	LANDSCAPE MAINTENANCE	116.3172			
	N-OUTDR PLANTS IN CONTAINERS	0.0020	3	15.60	A
	PUBLIC HEALTH	0.8445			
	REGULATORY PEST CONTROL	0.1692			
	RESEARCH COMMODITY	0.0000			
	RIGHTS OF WAY	2.6561			
	STRUCTURAL PEST CONTROL	49,828.4227			
	VERTEBRATE CONTROL	1.1090			
	Chemical Total	49,949.5468	4		
<b>FLUAZIFOP-BUTYL</b>					
	LANDSCAPE MAINTENANCE	11.7161			
	N-OUTDR FLOWER	0.0012	1	0.40	A
	RIGHTS OF WAY	21.3148			
	STRUCTURAL PEST CONTROL	0.4972			
	Chemical Total	33.5293	1		
<b>FLUAZIFOP-P-BUTYL</b>					
	ALMOND	135.6052	12	535.50	A
	ASPARAGUS	38.7861	5	169.00	A
	CARROT	3,332.3265	172	11,149.84	A
	CHERRY	12.4185	3	37.00	A
	COTTON	1,539.1643	123	6,937.85	A
	GARLIC	557.0926	22	1,627.10	A
	GRAPE	103.1567	13	455.50	A
	GRAPE, WINE	63.3788	8	509.69	A
	LANDSCAPE MAINTENANCE	1,295.6310			
	N-GRNHS FLOWER	0.5004	1	1.00	A
	N-OUTDR FLOWER	34.7790	10	93.81	A
		0.0193	1	500.00	S
	TOTAL POUNDS ON THIS COMMODITY	34.7983			
	N-OUTDR PLANTS IN CONTAINERS	5.5111	7	30.00	A
		0.0159	1	1,000.00	S
		0.0117	1	100.00	U
	TOTAL POUNDS ON THIS COMMODITY	5.5387			
	N-OUTDR TRANSPLANTS	18.3125	10	62.55	A
	NECTARINE	29.0669	7	76.10	A
	ONION, DRY	2,227.2310	131	8,263.45	A
	ORANGE	5.0215	1	12.00	A
	PEACH	48.2450	14	204.14	A
	PISTACHIO	22.1549	1	247.00	A
	PLUM	34.2960	8	107.30	A
	PRUNE	11.5909	4	30.75	A
	RESEARCH COMMODITY	0.4670			
	RIGHTS OF WAY	646.2318			

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<b>FLUAZIFOP-P-BUTYL</b>					
	STRUCTURAL PEST CONTROL	10.8644			
	TURF/SOD	11.2153	2	33.00	A
	UNCULTIVATED AG	19.6554	9	843.00	A
	UNCULTIVATED NON-AG	1.5065	1	4.00	A
	WALNUT	81.8850	7	280.00	A
	Chemical Total	10,286.1412	574		
<b>FLUDIOXONIL</b>					
	APRICOT	1.0313		497.12	T
		0.4532		368,250.00	P
		0.0006	1	36.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.4851			
	BEAN, DRIED	11.8965		1,041.60	T
		10.8966		6,802.00	C
	TOTAL POUNDS ON THIS COMMODITY	22.7931			
	BLACKBERRY	6.4688	2	30.00	A
	BROCCOLI	7.8194	4	45.50	A
	CARROT	0.0106		429.41	A
	COLLARD	0.3397		138.89	P
	COMMODITY FUMIGATION	58.8976			
	CORN, HUMAN CONSUMPTION	0.0189		574.00	P
	COTTON	194.6615		5,479.50	T
	FUMIGATION, OTHER	4.5125			
	LANDSCAPE MAINTENANCE	428.5090			
	LETTUCE, LEAF	0.0088		137.75	P
	N-GRNHS FLOWER	106.5136	413	743.64	A
		5.5079	31	624,257.00	S
	TOTAL POUNDS ON THIS COMMODITY	112.0215			
	N-GRNHS PLANTS IN CONTAINERS	113.7655	473	318.25	A
		37.4843	194	4,332,323.00	S
		0.0938	2	2,200.00	U
	TOTAL POUNDS ON THIS COMMODITY	151.3436			
	N-GRNHS TRANSPLANTS	7.0073	38	1,357.02	A
		1.8972	61	1,709,163.00	S
		0.0257	4	5,332.00	U
	TOTAL POUNDS ON THIS COMMODITY	8.9302			
	N-OUTDR FLOWER	166.2212	267	839.64	A
		6.5157	21	1,110,180.00	S
	TOTAL POUNDS ON THIS COMMODITY	172.7369			
	N-OUTDR PLANTS IN CONTAINERS	172.6643	315	1,298.33	A
		30.9376	55	1,906,819.00	S
	TOTAL POUNDS ON THIS COMMODITY	203.6019			
	N-OUTDR TRANSPLANTS	58.7278	85	988.89	A
		8.1266	33	206,700.00	S
		0.0128	2	2,666.00	U
	TOTAL POUNDS ON THIS COMMODITY	66.8672			
	NECTARINE	72.4276		44,681.59	T
		1.7625		1,883,483.00	P
	TOTAL POUNDS ON THIS COMMODITY	74.1901			
	ONION, DRY	23.6250	4	108.00	A
		0.0311		1,205.30	P
	TOTAL POUNDS ON THIS COMMODITY	23.6561			
	PEACH	193.4857		53,769.83	T
		0.8000		640,000.00	P
	TOTAL POUNDS ON THIS COMMODITY	194.2857			
	PISTACHIO	100.1125	22	511.00	A
	PLUM	62.3214		32,344.44	T
	POMEGRANATE	218.3125		66,739.00	T
		1.5000		600,900.00	P
	TOTAL POUNDS ON THIS COMMODITY	219.8125			
	POTATO	51.2780		20,000.00	T
		38.1060		350,000.00	C
		34.7088		25,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	124.0928			
	RASPBERRY	5.1281	2	16.50	A
	RESEARCH COMMODITY	1.7973			
	SPINACH	0.1814		7,351.78	P



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<b>FLUDIOXONIL</b>					
	STONE FRUIT	3.7500		2,250.00	T
		0.5000		919,350.00	P
	TOTAL POUNDS ON THIS COMMODITY	4.2500			
	STRAWBERRY	4,172.2462	531	21,212.56	A
	STRUCTURAL PEST CONTROL	44.5558			
	SUNFLOWER	30.3566		532,201.00	K
	TURF/SOD	6.0063	3	208.70	A
	WATERCRESS	0.1563	1	48,000.00	S
	Chemical Total	6,504.1754	2,564		
<b>FLUMIOXAZIN</b>					
	CORN (FORAGE - FODDER)	389.8827	101	5,499.00	A
	COTTON	2,282.2639	372	26,418.70	A
	LANDSCAPE MAINTENANCE	7.2540			
	N-GRNHS PLANTS IN CONTAINERS	0.3188	4	44,800.00	S
	N-OUTDR PLANTS IN CONTAINERS	3.9814	15	10.80	A
		1.6819	12	201,100.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.6633			
	RIGHTS OF WAY	3,997.6223			
	SOIL FUMIGATION/PREPLANT	59.8912	11	1,134.92	A
	STRUCTURAL PEST CONTROL	1.5300			
	UNCULTIVATED AG	7.5837	1	158.65	A
	UNCULTIVATED NON-AG	0.7650	1	12.00	A
	Chemical Total	6,752.7749	517		
<b>FLURECOL-METHYL</b>					
	LANDSCAPE MAINTENANCE	65.5514			
	RIGHTS OF WAY	0.5499			
	STRUCTURAL PEST CONTROL	0.1067			
	Chemical Total	66.2080			
<b>FLURIDONE</b>					
	LANDSCAPE MAINTENANCE	369.7521			
		0.9987	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	370.7508			
	REGULATORY PEST CONTROL	595.6070		1,495.50	A
		502.0758			
		0.0018		169.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,097.6846			
	RIGHTS OF WAY	325.4060			
	STRUCTURAL PEST CONTROL	665.9870			
	WATER AREA	196.5083	3	473.48	A
		2.8562	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	199.3645			
	Chemical Total	2,659.1929	5		
<b>FLUTOLANIL</b>					
	LANDSCAPE MAINTENANCE	10,351.7015			
	N-GRNHS FLOWER	0.0047	1	10,000.00	S
	N-GRNHS PLANTS IN CONTAINERS	10.5199	17	17.19	A
	N-OUTDR PLANTS IN CONTAINERS	92.1929	31	120.33	A
		1.1409	7	145,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	93.3338			
	N-OUTDR TRANSPLANTS	5.2063	5	20.00	A
		0.7396	3	10,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.9459			
	RIGHTS OF WAY	4.9000			
	STRUCTURAL PEST CONTROL	63.2600			
	Chemical Total	10,529.6658	64		

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<b>TAU-FLUVALINATE</b>					
	AVOCADO	2.0805	1	15.00	A
	BEEHIVE	10.2042	4	5,903.00	U
		1.0582		400.00	A
	TOTAL POUNDS ON THIS COMMODITY	11.2624			
	CARROT	165.9520	82	1,072.00	A
	CHRISTMAS TREE	5.5798	15	44.25	A
	FUMIGATION, OTHER	25.3000			
	LANDSCAPE MAINTENANCE	193.0371			
	N-GRNHS FLOWER	53.5467	189	441.70	A
		21.4943	150	3,036,423.00	S
		0.0244		3,820.00	U
	TOTAL POUNDS ON THIS COMMODITY	75.0654			
	N-GRNHS PLANTS IN CONTAINERS	277.3269	962	33,487,401.87	S
		204.7097	724	1,135.46	A
	TOTAL POUNDS ON THIS COMMODITY	482.0366			
	N-GRNHS TRANSPLANTS	5.0346	58	895,324.00	S
		1.6989	21	12.65	A
	TOTAL POUNDS ON THIS COMMODITY	6.7335			
	N-OUTDR FLOWER	69.5943	222	461.14	A
		7.6849	32	892,677.00	S
	TOTAL POUNDS ON THIS COMMODITY	77.2792			
	N-OUTDR PLANTS IN CONTAINERS	464.5233	883	2,594.08	A
		41.6985	301	6,207,330.00	S
		7.0917	133	201,097.00	U
	TOTAL POUNDS ON THIS COMMODITY	513.3135			
	N-OUTDR TRANSPLANTS	15.2106	61	107.80	A
		1.1455	10	227,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.3561			
	RESEARCH COMMODITY	3.4429			
		0.1997	5	24,000.00	S
		0.0029	1	0.01	A
	TOTAL POUNDS ON THIS COMMODITY	3.6455			
	RIGHTS OF WAY	2.5943			
	STORAGE AREA/BOX	0.0041	1	820.00	S
	STRUCTURAL PEST CONTROL	0.6417			
	Chemical Total	1,580.8817	3,855		
<b>FONOFOS</b>					
	CAULIFLOWER	30.0000	2	20.00	A
	Chemical Total	30.0000	2		
<b>FORCHLORFENURON</b>					
	GRAPE	5.4292	2	80.00	A
	Chemical Total	5.4292	2		
<b>FORMALDEHYDE</b>					
	ANIMAL PREMISE	1,032.9149		716,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.8345	1	1.00	A
	POULTRY	1,165.3001		247,000.00	S
	STRUCTURAL PEST CONTROL	108,952.3894			
	Chemical Total	111,151.4389	1		
<b>FORMETANATE HYDROCHLORIDE</b>					
	ALFALFA	2,676.6296	68	3,606.40	A
	APPLE	417.2200	10	496.00	A
	CITRUS	28.5200	2	38.00	A
	GRAPEFRUIT	41.6300	5	51.80	A
	LEMON	175.3980	10	271.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0569	3	30,000.00	S
	N-GRNHS TRANSPLANTS	0.0092	1	0.04	A
	N-OUTDR PLANTS IN CONTAINERS	32.4484	9	30.40	A
	NECTARINE	16,074.8751	1,194	16,400.80	A
	ORANGE	8,624.7430	297	8,976.41	A
	PEACH	495.3211	35	646.88	A

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<b>FORMETANATE HYDROCHLORIDE</b>					
	PLUM	6.4400	2	5.50	A
	TANGELO	98.4216	6	128.00	A
	TANGERINE	1,979.5985	37	2,514.99	A
	Chemical Total	30,651.3114	1,679		
<b>FOSETYL-AL</b>					
	ALMOND	1,453.3040	7	1,243.00	A
	APPLE	672.0100	25	357.75	A
	ARRUGULA	64.0985	49	17.83	A
	ASPARAGUS	20.0000	1	5.00	A
	AVOCADO	175.8380	19	135.25	A
	BEAN, SUCCULENT	4.0000	2	6.00	A
	BLACKBERRY	142.8000	10	35.72	A
	BOK CHOY	139.9280	46	88.45	A
	BOYSENBERRY	12.0000	1	4.00	A
	BROCCOLI	1,139.9720	36	406.33	A
		112.0000	41	1,562,085.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,251.9720			
	CABBAGE	184.4640	13	73.86	A
	CAULIFLOWER	538.8979	50	228.82	A
	CHERRY	176.0000	6	86.00	A
	CHINESE CABBAGE (NAPPA)	159.0400	14	59.40	A
	CITRUS	34.4000	7	11.00	A
	COLLARD	10.4000	2	7.00	A
	ENDIVE (ESCAROLE)	10.3200	3	4.30	A
	FUMIGATION, OTHER	9.6000			
	GAI CHOY	20.2000	6	7.75	A
	GAI LON	1,302.1600	49	543.90	A
	KALE	389.5280	13	135.30	A
	LANDSCAPE MAINTENANCE	7,583.4162			
	LEMON	519.8000	9	242.00	A
	LETTUCE, HEAD	85,206.6995	2,443	32,107.37	A
	LETTUCE, LEAF	111,814.3556	4,367	42,767.58	A
	MIZUNA	25.8160	4	8.50	A
	MUSTARD	914.3680	74	300.25	A
	N-GRNHS FLOWER	1,322.8729	431	791.67	A
		369.3434	89	4,871,688.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,692.2163			
	N-GRNHS PLANTS IN CONTAINERS	3,039.4997	806	665.01	A
		1,457.0193	789	32,028,187.00	S
	TOTAL POUNDS ON THIS COMMODITY	4,496.5190			
	N-GRNHS TRANSPLANTS	381.4866	149	346.62	A
		204.7547	237	3,041,021.00	S
	TOTAL POUNDS ON THIS COMMODITY	586.2413			
	N-OUTDR FLOWER	1,963.3661	383	1,318.74	A
		105.7600	38	2,432,016.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,069.1261			
	N-OUTDR PLANTS IN CONTAINERS	11,561.1782	1,178	5,377.22	A
		359.5810	180	7,175,377.00	S
		40.0931	7	378,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	11,960.8523			
	N-OUTDR TRANSPLANTS	1,986.0939	379	21,044,199.86	S
		909.3765	271	462.27	A
		21.2000	6	460,540.00	U
		4.0000			
	TOTAL POUNDS ON THIS COMMODITY	2,920.6704			
	ONION, DRY	480.4400	24	257.00	A
	ORANGE	2,689.6320	73	1,257.00	A
	PARSLEY	4.5000	2	0.44	A
	PEAR	3,098.6500	30	838.60	A
	PUBLIC HEALTH	37.6000			
	PUMPKIN	64.0000	1	16.00	A
	QUINCE	208.0000	5	116.00	A
	RAPPINI	55.6000	2	22.50	A
	RASPBERRY	35.0400	1	8.75	A
	REGULATORY PEST CONTROL	89.6000			

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<b>FOSETYL-AL</b>					
	RESEARCH COMMODITY	23.5742			
		4.8960	3	1.51	A
	TOTAL POUNDS ON THIS COMMODITY	28.4702			
	RIGHTS OF WAY	90.6694			
	SOIL FUMIGATION/PREPLANT	300.0000	1	150.00	A
	SPINACH	12,705.2505	667	5,910.53	A
	SQUASH	35.2000	2	24.00	A
	SQUASH, SUMMER	19.2000	2	12.00	A
	STRAWBERRY	12,423.3256	176	4,494.00	A
		103.6000		100,000.00	P
		81.8480	3	787,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	12,608.7736			
	STRUCTURAL PEST CONTROL	10.4750			
	SWISS CHARD	215.9920	45	84.18	A
	TOMATO	1,234.2400	24	586.60	A
	TOMATO, PROCESSING	2,615.4000	27	1,376.50	A
	TURF/SOD	2,843.6000	23	341.35	A
	TURNIP	0.4000	2	0.50	A
	UNKNOWN	9.2000	4	5.00	A
	VEGETABLES, LEAFY	12.0000	1	5.00	A
	VERTEBRATE CONTROL	43.2000	1	18.00	A
	WATERMELON	92.0000	1	23.00	A
	Chemical Total	276,188.1738	13,360		
<b>FREE FATTY ACIDS AND/OR AMINE SALTS</b>					
	ALFALFA	7.8419	6	384.00	A
	ALMOND	0.0282	1	10.00	A
	LANDSCAPE MAINTENANCE	57.7675			
	LEMON	0.1243	1	3.00	A
	RIGHTS OF WAY	14.5147			
	STRUCTURAL PEST CONTROL	0.0287			
	WHEAT	0.4506	1	75.00	A
	Chemical Total	80.7559	9		
<b>FREON 12</b>					
	LANDSCAPE MAINTENANCE	2.1452			
	STRUCTURAL PEST CONTROL	121.6271			
	Chemical Total	123.7723			
<b>FRUCTOSE</b>					
	STRUCTURAL PEST CONTROL	1.7060			
	TOMATO	52.4400	1	19.00	A
	Chemical Total	54.1460	1		
<b>GAMMA AMINOBUTYRIC ACID</b>					
	ALMOND	6,899.4721	1,741	95,689.78	A
	CANTALOUPE	30.6600	6	415.00	A
	CHERRY	1.4600	2	20.00	A
	GRAPE	47.8880	13	713.00	A
	GRAPE, WINE	14.2715	7	249.59	A
	MELON	104.6294	26	1,474.72	A
	ONION, DRY	211.7964	34	2,903.66	A
	PISTACHIO	11.0960	2	1.50	A
	PRUNE	18.2500	4	250.00	A
	RESEARCH COMMODITY	0.1685			
	TOMATO	68.9850	18	945.00	A
	TOMATO, PROCESSING	970.9793	150	13,974.86	A
	WATERMELON	22.7943	18	839.60	A
	Chemical Total	8,402.4505	2,021		

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<b>GARLIC</b>					
	CANTALOUPE	95.8605	3	161.00	A
	LANDSCAPE MAINTENANCE	0.0341			
	LETTUCE, HEAD	3.1862	2	15.00	A
	LETTUCE, LEAF	5.4573	4	18.77	A
	N-GRNHS PLANTS IN CONTAINERS	0.8422	1	18,000.00	S
	N-OUTDR TRANSPLANTS	40.1602	34	360,239.00	S
	STRUCTURAL PEST CONTROL	0.0354			
	TOMATO, PROCESSING	21.2457	2	47.80	A
	VEGETABLE	7.5000	1	7.50	A
	Chemical Total	174.3216	47		
<b>GERMAN COCKROACH PHEROMONE</b>					
	STRUCTURAL PEST CONTROL	0.0000			
	Chemical Total				
<b>GIBBERELLINS</b>					
	APPLE	25.3125	42	958.00	A
	ARTICHOKE, GLOBE	36.0443	163	2,085.52	A
	CARROT	6.0976	21	1,157.53	A
	CELERY	2.8512	13	117.70	A
	CHERRY	875.0119	498	7,917.74	A
	CITRUS	18.4281		26,944.27	T
		12.6336	12	194.29	A
		0.6697		11,385.00	U
	TOTAL POUNDS ON THIS COMMODITY	31.7314			
	COMMODITY FUMIGATION	1.4934			
	FOREST, TIMBERLAND	0.0033	1	14.00	A
	FUMIGATION, OTHER	0.0695			
	GRAPE	13,249.2704	7,489	312,149.66	A
		0.5331		8,323.00	T
	TOTAL POUNDS ON THIS COMMODITY	13,249.8035			
	GRAPE, WINE	171.8429	197	6,856.56	A
	GRAPEFRUIT	0.6902	1	8.60	A
	LANDSCAPE MAINTENANCE	1.4786			
	LEMON	698.7078	665	15,881.66	A
		84.1057		129,669.29	T
	TOTAL POUNDS ON THIS COMMODITY	782.8135			
	LIME	0.3014	2	4.50	A
	N-GRNHS FLOWER	2.4016	38	67.00	A
		0.1249	5	243,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.5265			
	N-GRNHS PLANTS IN CONTAINERS	12.6296	194	6,097,597.00	S
		6.4396	178	46.94	A
	TOTAL POUNDS ON THIS COMMODITY	19.0692			
	N-GRNHS TRANSPLANTS	19.2000	1	12,000.00	S
	N-OUTDR FLOWER	35.4233	98	1,115.30	A
		1.4595		86.90	P
		0.1575	5	77,026.00	S
	TOTAL POUNDS ON THIS COMMODITY	37.0403			
	N-OUTDR PLANTS IN CONTAINERS	53.9224	87	617.82	A
		2.4889	14	2,675,350.00	U
		0.5357	22	701,131.00	S
	TOTAL POUNDS ON THIS COMMODITY	56.9470			
	N-OUTDR TRANSPLANTS	66.1510	6	57.70	A
		1.0382	5	28,300.00	S
		0.4182	1	180,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	67.6074			
	NECTARINE	12.2057	10	150.28	A
	ORANGE	4,542.7726	2,546	57,477.29	A
		65.8731		517,435.69	T
		1.6447		59,880.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,610.2904			
	PEACH	1.6319	2	19.60	A
	PEPPER, FRUITING	0.1770	3	12.00	A
	PLUM	2.8380	7	147.00	A
	POTATO	32.7865	3	110.31	A

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<b>GIBBERELLINS</b>					
	PRUNE	0.5745	4	61.00	A
	RESEARCH COMMODITY	0.0440			
	RICE	0.4400		79.70	T
	RIGHTS OF WAY	0.3880			
	STRUCTURAL PEST CONTROL	2.1506			
	TANGELO	172.7671	120	2,471.04	A
	TANGERINE	124.6274	104	4,211.15	A
	VERTEBRATE CONTROL	0.6853			
	Chemical Total	20,349.5420	12,557		
<b>GIBBERELLINS, POTASSIUM SALT</b>					
	GRAPE	1.1734	4	170.00	A
	Chemical Total	1.1734	4		
<b>GLIOCLADIUM VIRENS GL-21 (SPORES)</b>					
	LANDSCAPE MAINTENANCE	0.6000			
	SOIL FUMIGATION/PREPLANT	22.0677	91	40,520.00	U
	STRUCTURAL PEST CONTROL	6.8700			
	Chemical Total	29.5377	91		
<b>GLUFOSINATE-AMMONIUM</b>					
	ALMOND	2,940.9355	226	7,986.28	A
	APPLE	54.3332	14	148.67	A
	GRAPE	4,498.9335	355	8,718.57	A
	GRAPE, WINE	5,525.1094	532	18,816.14	A
		0.0010	4	104.09	S
	TOTAL POUNDS ON THIS COMMODITY	5,525.1104			
	LANDSCAPE MAINTENANCE	40.4841			
	N-GRNHS PLANTS IN CONTAINERS	3.9082	9	54,500.00	S
	N-OUTDR FLOWER	8.5413	21	10.45	A
	N-OUTDR PLANTS IN CONTAINERS	9.0670	4	17.44	A
		1.0510	5	10,250.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.1180			
	RIGHTS OF WAY	1,812.2982			
		3.0012	1	3.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,815.2994			
	STRUCTURAL PEST CONTROL	4.5645			
	UNCULTIVATED AG	16.7761	3	10.00	A
	UNCULTIVATED NON-AG	15.1763	5	21.50	A
	WALNUT	425.5659	38	1,139.70	A
	Chemical Total	15,359.7464	1,217		
<b>GLUTAMIC ACID</b>					
	ALMOND	6,899.4721	1,741	95,689.78	A
	CANTALOUPE	30.6600	6	415.00	A
	CHERRY	1.4600	2	20.00	A
	GRAPE	47.8880	13	713.00	A
	GRAPE, WINE	14.2715	7	249.59	A
	MELON	104.6294	26	1,474.72	A
	ONION, DRY	211.7964	34	2,903.66	A
	PISTACHIO	11.0960	2	1.50	A
	PRUNE	18.2500	4	250.00	A
	RESEARCH COMMODITY	0.1685			
	TOMATO	68.9850	18	945.00	A
	TOMATO, PROCESSING	970.9793	150	13,974.86	A
	WATERMELON	22.7943	18	839.60	A
	Chemical Total	8,402.4505	2,021		
<b>GLUTARALDEHYDE</b>					
	ANIMAL PREMISE	757.8040		71.00	U
		1.7582		1.00	A
	TOTAL POUNDS ON THIS COMMODITY	759.5622			
	LANDSCAPE MAINTENANCE	452.0165			

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<b>GLUTARALDEHYDE</b>					
	POULTRY	2.4234		10.00	A
	RIGHTS OF WAY	20.7000			
	STRUCTURAL PEST CONTROL	718.9419			
	WATER (INDUSTRIAL)	4,494.5381		29.00	U
		261.6727		153.00	A
	TOTAL POUNDS ON THIS COMMODITY	4,756.2108			
	Chemical Total	6,709.8548			
<b>GLYPHOSATE</b>					
	ALFALFA	589.7285	4	359.00	A
	ALMOND	18,194.2326	363	17,828.15	A
	APPLE	600.2186	20	525.82	A
	APRICOT	125.9807	5	86.00	A
	AVOCADO	758.5815	229	1,639.54	A
	BARLEY	59.5184	2	80.00	A
	BEAN, DRIED	36.7030	1	37.00	A
	BEAN, UNSPECIFIED	58.5265	3	59.00	A
	BLUEBERRY	247.9935	4	62.50	A
	BUILDINGS/NON-AG OUTDOOR	4.0298		4.00	U
	CANTALOUPE	615.0238	1	155.00	A
	CAULIFLOWER	185.0230	3	49.00	A
	CELERY	146.8121	2	37.00	A
	CHERIMOYA	0.9300	3	0.22	A
	CHERRY	1,059.9151	69	1,540.00	A
	CITRUS	40.6709	3	21.00	A
	CORN (FORAGE - FODDER)	472.1796	10	476.00	A
	COTTON	12,466.2927	75	8,540.90	A
	FIG	605.1040	6	551.66	A
	FOREST, TIMBERLAND	886.8250	79	1,331.72	A
	GRAPE	5,489.6701	234	8,630.38	A
	GRAPE, WINE	7,648.5858	302	12,499.31	A
	GRAPEFRUIT	0.9920	1	15.00	A
	KIWI	58.0156	4	145.50	A
	LANDSCAPE MAINTENANCE	3,038.6766			
	LEMON	167.6013	24	132.36	A
	LETTUCE, HEAD	312.4717	7	110.00	A
	N-OUTDR FLOWER	598.7158	27	172.61	A
	N-OUTDR PLANTS IN CONTAINERS	268.6835	47	80.25	A
	N-OUTDR TRANSPLANTS	93.3695	6	63.25	A
	NECTARINE	5,697.0057	621	6,347.50	A
	NUTS	1.7049		3.00	U
	OLIVE	440.8332	13	447.42	A
	ONION, DRY	170.6195	2	86.00	A
	ORANGE	1,821.1848	67	3,053.20	A
	PASTURELAND	18.3515	3	13.00	A
	PEACH	5,575.5912	600	5,883.48	A
	PEAR	155.9879	6	178.00	A
	PECAN	39.6790	2	40.00	A
	PERSIMMON	64.0301	10	65.00	A
	PISTACHIO	7,176.7423	122	5,872.39	A
	PLUM	3,700.3497	393	3,965.24	A
	POMEGRANATE	3.9679	1	4.00	A
	PRUNE	322.2923	18	459.90	A
	RIGHTS OF WAY	20,997.2452			
		3.9679	1	4.00	A
	TOTAL POUNDS ON THIS COMMODITY	21,001.2131			
	STRUCTURAL PEST CONTROL	76.0620			
	SUDANGRASS	517.4692	2	592.00	A
	TANGERINE	57.5345	4	30.00	A
	TOMATO, PROCESSING	2,032.9513	23	1,582.20	A
	TROPICAL/SUBTROPICAL FRUIT	15.2671	6	47.00	A
	UNCULTIVATED AG	2,595.9149	38	2,068.55	A
	UNCULTIVATED NON-AG	36.2700	2	28.75	A
	UNKNOWN	55.0744	1	18.50	A

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<b>GLYPHOSATE</b>					
	WALNUT	5,802.5790	249	5,930.57	A
	WHEAT	1,173.4300	6	1,516.00	A
	Chemical Total	113,383.1767	3,724		
<b>GLYPHOSATE, DIAMMONIUM SALT</b>					
	ALFALFA	722.5363	10	605.65	A
	ALMOND	66,994.6712	782	90,650.29	A
	ASPARAGUS	539.8329	8	620.00	A
	AVOCADO	42.0470	3	19.25	A
	BARLEY	5.9982	1	16.00	A
	BEAN, DRIED	1,017.4350	11	794.00	A
	BEAN, SUCCULENT	196.4392	9	172.00	A
	BROCCOLI	0.6769	1	9.63	A
	CABBAGE	22.4930	1	30.00	A
	CHERRY	37.4884	2	35.00	A
	CORN (FORAGE - FODDER)	7,419.2609	220	10,187.70	A
	CORN, HUMAN CONSUMPTION	1,198.6690	21	1,900.00	A
	COTTON	7,873.8621	113	10,750.84	A
	CUCUMBER	116.1671	4	134.00	A
	DITCH BANK	112.4652	2	40.00	A
	GRAPE	979.4617	52	1,670.45	A
	GRAPE, WINE	3,193.2164	180	5,458.08	A
	LANDSCAPE MAINTENANCE	1,569.0278			
	LEMON	742.3640	32	484.00	A
	N-GRNHS FLOWER	55.0609	62	143.50	A
	N-OUTDR FLOWER	86.5983	25	110.50	A
	N-OUTDR PLANTS IN CONTAINERS	167.1238	6	93.70	A
	N-OUTDR TRANSPLANTS	13.6158	4	24.00	A
	NECTARINE	2,815.1538	482	4,837.60	A
	OAT	16.2850	1	25.90	A
	OAT (FORAGE - FODDER)	67.4791	1	30.00	A
	ONION, DRY	1,640.1922	8	945.15	A
	ORANGE	2,842.6189	121	3,552.25	A
	PEACH	2,803.7777	424	4,721.57	A
	PEPPER, FRUITING	590.6222	10	593.20	A
	PISTACHIO	5,544.6096	95	8,560.00	A
	PLUM	1,566.1477	270	2,545.76	A
	PRUNE	554.3971	9	307.00	A
	QUINCE	18.7442	1	40.00	A
	RESEARCH COMMODITY	39.8877			
		34.6159	4	130.50	A
	TOTAL POUNDS ON THIS COMMODITY	74.5036			
	RICE	508.0428	13	840.00	A
	RIGHTS OF WAY	9,949.6771			
		6.2981	3	11.25	A
	TOTAL POUNDS ON THIS COMMODITY	9,955.9752			
	SAFFLOWER	14.9953	1	22.00	A
	SOIL FUMIGATION/PREPLANT	1,970.6365	41	2,498.00	A
	STRUCTURAL PEST CONTROL	12.7461			
	SUNFLOWER	495.5515	15	870.80	A
	TANGELO	40.4875	1	45.00	A
	TANGERINE	98.0340	10	174.75	A
	TOMATO	1,421.8523	20	1,903.10	A
	TOMATO, PROCESSING	8,724.1829	100	9,771.60	A
	TURF/SOD	148.2741	7	40.35	A
	UNCULTIVATED AG	12,125.8729	291	17,664.65	A
	UNCULTIVATED NON-AG	14.9953	1	5.00	A
	WALNUT	3,302.2831	159	4,786.70	A
	WHEAT	338.1453	9	273.00	A
	Chemical Total	150,813.1170	3,646		



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<b>GLYPHOSATE, ISOPROPYLAMINE SALT</b>					
	AIRPORT	27.2904		16.50	A
	ALFALFA	15,067.6894	307	15,086.51	A
	ALMOND	856,810.0886	16,736	842,895.18	A
		17.0290		34.00	U
		11.7462		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	856,838.8638			
	ANIMAL PREMISE	1,908.6504		253.00	U
		865.1547	2	156.50	A
		53.4901		130,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,827.2952			
	APPLE	10,074.4643	573	10,988.29	A
		0.1476	2	23.00	U
	TOTAL POUNDS ON THIS COMMODITY	10,074.6119			
	APRICOT	4,513.0025	313	4,944.47	A
		0.0129	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,513.0154			
	ARTICHOKE, GLOBE	92.7168	7	59.00	A
	ASPARAGUS	10,159.0358	208	9,586.79	A
	AVOCADO	62,464.3904	7,120	82,032.19	A
		9.4211	15	778.00	U
	TOTAL POUNDS ON THIS COMMODITY	62,473.8115			
	BARLEY	4,007.4372	35	3,218.10	A
	BASIL, SWEET	43.8757	4	28.53	A
	BEAN, DRIED	6,772.3695	58	4,123.50	A
	BEAN, SUCCULENT	1,143.5941	48	880.95	A
	BEAN, UNSPECIFIED	548.4457	20	400.75	A
	BEEF	33.8141	12	72.51	A
	BERMUDAGRASS	467.6521	22	689.00	A
	BLACKBERRY	81.1867	4	17.00	A
	BLUEBERRY	1,473.0377	60	992.79	A
	BOK CHOY	7.3418	4	7.75	A
	BOYSENBERRY	5.0117	1	1.00	A
	BROCCOLI	1,346.5493	33	853.16	A
	BRUSSELS SPROUT	2.9977	1	4.00	A
	BUILDINGS/NON-AG OUTDOOR	0.3746		1.00	A
	CABBAGE	176.1648	14	88.50	A
	CANOLA (RAPE)	927.4187	18	889.00	A
	CANTALOUPE	4,187.0399	49	3,509.13	A
	CARROT	5,577.6164	53	3,685.30	A
	CAULIFLOWER	616.7234	7	360.03	A
	CELERY	174.3343	2	38.00	A
	CHERIMOYA	193.8343	53	124.50	A
	CHERRY	18,052.9638	766	15,520.84	A
		0.0176	2	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	18,052.9814			
	CHESTNUT	121.2836	24	132.50	A
	CHICORY	3.4836	1	8.00	A
	CHINESE CABBAGE (NAPPA)	61.2564	9	45.70	A
	CHINESE GREENS	50.2798	13	26.50	A
	CHIVE	4.9217	4	4.00	A
	CHRISTMAS TREE	844.4385	151	810.41	A
	CILANTRO	47.3654	4	14.00	A
	CITRUS	2,703.3321	242	3,215.83	A
		11.6679	2	36.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,715.0000			
	CLOVER	176.9323	8	391.00	A
	COLLARD	0.4355	1	0.25	A
	COMMODITY FUMIGATION	108.7016			
	CORN (FORAGE - FODDER)	109,508.3750	2,097	108,727.90	A
	CORN, HUMAN CONSUMPTION	21,519.8511	590	19,740.48	A
	COTTON	494,142.0605	7,738	554,869.71	A
	COUNTY AG COMM	1.2529	1	1.00	A
	CUCUMBER	631.3488	21	604.00	A
	DAIKON	0.2497	1	1.00	A
	DATE	14,899.5590	741	10,352.64	A
	DITCH BANK	864.4937	27	425.27	A
		0.7494		0.25	U
	TOTAL POUNDS ON THIS COMMODITY	865.2431			

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<b>GLYPHOSATE, ISOPROPYLAMINE SALT</b>					
	EGGPLANT	85.1751	31	102.80	A
	ENDIVE (ESCAROLE)	12.7825	5	35.45	A
	FIG	8,704.6481	196	11,855.30	A
		0.0024	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	8,704.6505			
	FORAGE HAY/SILAGE	848.2548	13	887.00	A
	FOREST, TIMBERLAND	55,648.3536	1,298	35,665.68	A
	FUMIGATION, OTHER	39.3654			
	GAI LON	35.6770	3	16.00	A
	GARLIC	8,697.4158	45	5,551.53	A
	GRAIN	99.4569	2	60.00	A
	GRAPE	188,599.3563	6,530	222,443.11	A
		11.9383	4	108.00	U
	TOTAL POUNDS ON THIS COMMODITY	188,611.2946			
	GRAPE, WINE	361,944.8821	15,450	383,197.14	A
		5.4816	1	8.00	U
		1.2491	3	1,526.00	S
	TOTAL POUNDS ON THIS COMMODITY	361,951.6128			
	GRAPEFRUIT	9,114.6140	685	10,843.37	A
		0.2797	1	46.00	U
	TOTAL POUNDS ON THIS COMMODITY	9,114.8937			
	GREENHOUSE FUMIGATION	1.1991	1	10.00	A
	HERB, SPICE	14.9884	5	81,000.00	S
	HORSERADISH	167.7979	3	200.00	A
	INDUSTRIAL SITE	14.7377	2	7.00	A
	JOJOBA BEAN	200.4688	4	160.00	A
	KIWI	2,823.6751	242	2,507.19	A
		0.0392	1	18.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,823.7143			
	KUMQUAT	41.0111	10	65.87	A
	LANDSCAPE MAINTENANCE	390,019.5975			
		146.3036	54	217.70	A
		4.9337	2	33,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	390,170.8348			
	LEMON	84,966.0920	4,175	89,244.79	A
	LETTUCE, HEAD	4,222.1708	145	3,160.20	A
	LETTUCE, LEAF	1,855.1134	118	1,738.33	A
	LIME	114.8678	43	157.50	A
	MANGO	951.4749	38	1,689.00	A
	MELON	1,846.6920	39	2,276.05	A
	MINT	151.0257	4	182.00	A
	MUSTARD	371.6186	52	364.77	A
	N-GRNHS FLOWER	428.4917	128	458.53	A
		91.8630	24	590,960.00	S
	TOTAL POUNDS ON THIS COMMODITY	520.3547			
	N-GRNHS PLANTS IN CONTAINERS	2,201.8298	845	981.74	A
		334.7528	159	3,083,468.50	S
		3.9340	5	120,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,540.5166			
	N-GRNHS TRANSPLANTS	305.3529	105	154.28	A
		8.4428	6	106,000.00	S
		0.6245			
	TOTAL POUNDS ON THIS COMMODITY	314.4202			
	N-OUTDR FLOWER	3,987.3658	738	2,734.68	A
		62.0189	39	3,499,600.00	S
		28.2907	6	180,727.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,077.6754			
	N-OUTDR PLANTS IN CONTAINERS	48,885.2838	7,988	24,177.20	A
		926.9287	428	17,601,644.00	S
		32.8592	6	454,401.00	U
	TOTAL POUNDS ON THIS COMMODITY	49,845.0717			
	N-OUTDR TRANSPLANTS	5,789.0898	764	2,997.87	A
		277.1338	64	4,822,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	6,066.2236			
	NECTARINE	48,248.2994	3,656	48,308.77	A
	NUTS	951.7744		89.00	U
		0.2562	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	952.0306			

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<b>GLYPHOSATE, ISOPROPYLAMINE SALT</b>					
	OAT	2,716.7895	39	4,226.50	A
	OAT (FORAGE - FODDER)	823.4776	18	858.65	A
	OILSEED	978.5131	11	792.00	A
	OKRA	6.2436	2	2.40	A
	OLIVE	22,073.3187	1,317	31,007.14	A
		8.2450	3	54.48	U
	TOTAL POUNDS ON THIS COMMODITY	22,081.5637			
	ONION, DRY	5,876.5927	88	5,638.65	A
	ONION, GREEN	37.5896	3	15.10	A
	ORANGE	261,124.9684	12,433	337,904.03	A
		3.9064	6	164.40	U
	TOTAL POUNDS ON THIS COMMODITY	261,128.8748			
	ORCHARD FLOOR	59.7973	5	24.75	A
	PARSLEY	99.6475	4	68.00	A
	PASTURELAND	2,307.8689	181	3,856.70	A
	PEACH	59,318.0336	4,786	66,247.14	A
		0.1551	1	12.00	U
	TOTAL POUNDS ON THIS COMMODITY	59,318.1887			
	PEAR	12,834.3113	519	16,317.30	A
		0.1664	2	45.00	U
	TOTAL POUNDS ON THIS COMMODITY	12,834.4777			
	PEAS	32.5251	10	95.80	A
	PECAN	2,128.6987	139	2,184.15	A
	PEPPER, FRUITING	2,494.7997	72	2,183.65	A
	PEPPER, SPICE	343.0681	8	256.70	A
	PERSIMMON	1,572.6775	216	1,333.06	A
		0.2138	2	78.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,572.8913			
	PISTACHIO	137,895.5053	2,385	151,333.77	A
	PLUM	45,324.2478	2,934	40,286.10	A
		0.0485	2	7.00	U
	TOTAL POUNDS ON THIS COMMODITY	45,324.2963			
	POMEGRANATE	10,401.8075	209	17,413.98	A
		0.0024	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	10,401.8099			
	POTATO	1,997.8856	56	1,981.75	A
	PRUNE	47,297.0908	1,615	62,808.60	A
	PUBLIC HEALTH	71,728.6607			
	PUMPKIN	135.0254	17	131.14	A
	QUINCE	204.5693	9	119.00	A
	RANGELAND	2,958.6609	158	5,290.68	A
		4.4954	1	2,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,963.1563			
	RECREATION AREA	505.8126	4	166.59	A
	REGULATORY PEST CONTROL	5,568.6096			
		473.6151		167.66	A
		0.0022		21.17	S
	TOTAL POUNDS ON THIS COMMODITY	6,042.2269			
	RESEARCH COMMODITY	1,298.5504			
		12.7881	2	270.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,311.3385			
	RICE	7,764.2934	353	26,187.16	A
	RICE, WILD	606.3993	4	595.00	A
	RIGHTS OF WAY	1,625,583.9336			
		8,364.4803	406	12,426.80	A
		10.0234		40.00	U
		1.2490	1	2,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,633,959.6863			
	RYEGRASS	321.6944	2	332.00	A
	SAFFLOWER	6,861.4889	105	9,891.70	A
	SMALL FRUITS/BERRY	0.8119	1	1.00	A
	SOIL FUMIGATION/PREPLANT	57,432.9186	775	49,204.79	A
	SORGHUM (FORAGE - FODDER)	253.6830	2	160.00	A
	SORGHUM/MILO	687.9143	18	715.80	A
	SOYBEAN	1,071.8030	17	1,071.30	A
	SOYBEAN GRAIN	294.0514	4	150.00	A
	SPINACH	107.2779	12	163.75	A

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<b>GLYPHOSATE, ISOPROPYLAMINE SALT</b>					
	SQUASH	345.8231	20	219.60	A
	SQUASH, SUMMER	134.5726	8	54.00	A
	SQUASH, WINTER	325.0051	4	35.00	A
	STONE FRUIT	31.3763	5	24.50	A
	STRAWBERRY	275.1970	79	511.20	A
	STRUCTURAL PEST CONTROL	12,312.0006			
	SUDANGRASS	1,603.8965	20	1,317.30	A
	SUGARBEET	3,982.9177	51	3,668.50	A
	SUGARCANE	91.5042	5	47.70	A
	SUNFLOWER	1,766.1263	32	2,018.20	A
	SWEET POTATO	20.8673	1	14.00	A
	SWISS CHARD	5.9939	1	1.00	A
	TANGELO	5,843.5683	332	7,064.03	A
	TANGERINE	24,612.0927	789	25,858.99	A
	TOMATO	8,662.5446	153	7,275.55	A
	TOMATO, PROCESSING	87,391.0053	992	83,010.22	A
	TROPICAL/SUBTROPICAL FRUIT	9.9519	5	20.00	A
		0.0313	1	13.00	U
	TOTAL POUNDS ON THIS COMMODITY	9.9832			
	TURF/SOD	2,041.3850	91	1,812.20	A
	TURNIP	17.4180	2	20.00	A
	UNCULTIVATED AG	141,280.1691	3,056	138,703.73	A
		1,380.5863	2	206.00	U
		4.8111	6	38,240.00	S
	TOTAL POUNDS ON THIS COMMODITY	142,665.5665			
	UNCULTIVATED NON-AG	21,543.8428	791	12,065.71	A
		10.4430	13	453,367.00	S
		4.5077		3.00	U
	TOTAL POUNDS ON THIS COMMODITY	21,558.7935			
	UNKNOWN	498.3132	10	365.35	A
		49.9488			
	TOTAL POUNDS ON THIS COMMODITY	548.2620			
	VEGETABLE	6.9629	3	1.75	A
	VERTEBRATE CONTROL	5,063.5058			
		11.4848	4	26.00	A
	TOTAL POUNDS ON THIS COMMODITY	5,074.9906			
	WALNUT	167,255.2012	6,637	187,580.61	A
		18.0031		72.00	U
	TOTAL POUNDS ON THIS COMMODITY	167,273.2043			
	WATER AREA	1,358.3908	20	1,450.17	A
		105.8374		7,202.31	U
		1.9054		46,764.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,466.1336			
	WATERCRESS	4.6985	2	9.00	A
	WATERMELON	4,047.4517	27	1,610.89	A
	WHEAT	12,207.2466	229	14,093.78	A
	WHEAT (FORAGE - FODDER)	1,629.9546	41	1,869.96	A
	Chemical Total	5,803,911.0521	124,783		
<b>GLYPHOSATE, MONOAMMONIUM SALT</b>					
	ALFALFA	262.1808	1	153.00	A
	ALMOND	28,825.3783	284	32,622.84	A
	APPLE	26.9749	1	2.50	A
	APRICOT	8.8513	3	22.38	A
	AVOCADO	1,085.0056	150	1,720.79	A
	BARLEY	14.2800	1	51.00	A
	CHERRY	0.8508	3	1.60	A
	CORN (FORAGE - FODDER)	2,217.9696	29	2,357.00	A
	COTTON	210.9870	4	169.00	A
	DATE	7.7112	1	3.60	A
	GRAPE	3,401.1265	141	5,971.58	A
	GRAPE, WINE	5,933.1619	265	8,748.06	A
	LANDSCAPE MAINTENANCE	35,484.4215			
	LEMON	1,631.6631	172	2,336.80	A
	N-GRNHS FLOWER	4.0163	7	5.50	A
		0.2678	1	25,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2841			

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<b>GLYPHOSATE, MONOAMMONIUM SALT</b>					
	N-GRNHS PLANTS IN CONTAINERS	45.3390	9	10.47	A
		19.4789	21	63,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	64.8179			
	N-OUTDR FLOWER	6.2921	5	12.00	A
	N-OUTDR PLANTS IN CONTAINERS	359.6105	177	134.04	A
		180.4956	19	2,694,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	540.1061			
	N-OUTDR TRANSPLANTS	2.6846	3	2.10	A
	NECTARINE	1,814.0549	40	293.22	A
	OAT	29.9880	1	42.00	A
	OLIVE	32.2181	5	91.00	A
	ORANGE	15,437.8293	653	19,127.92	A
	PEACH	1,153.8008	37	231.49	A
	PECAN	5.7120	3	4.80	A
	PERSIMMON	69.9631	7	34.10	A
	PISTACHIO	3,883.6531	26	4,104.90	A
	PLUM	787.3413	35	362.37	A
	POMEGRANATE	12.8520	2	11.00	A
	PRUNE	400.2684	11	200.00	A
	PUBLIC HEALTH	17.5920			
	RECREATION AREA	0.7140	1	1.00	A
	REGULATORY PEST CONTROL	3.6471			
	RICE	128.5200	6	90.00	A
	RIGHTS OF WAY	43,485.0650			
	SOIL FUMIGATION/PREPLANT	1,569.7219	13	896.00	A
	STRUCTURAL PEST CONTROL	365.7398			
	SUGARBEET	332.8668	3	259.00	A
	TANGELO	297.0240	12	355.00	A
	TANGERINE	868.0098	34	1,113.50	A
	TOMATO, PROCESSING	52.1220	2	146.00	A
	TURF/SOD	0.4581		0.25	A
	UNCULTIVATED AG	736.1626	33	1,565.20	A
	UNCULTIVATED NON-AG	139.3996	1	77.30	A
		0.8222	1	15,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	140.2218			
	WALNUT	349.9180	28	449.50	A
	Chemical Total	151,704.2112	2,251		
<b>GLYPHOSATE, POTASSIUM SALT</b>					
	ALFALFA	3,052.4393	19	1,088.10	A
	ALMOND	32,122.6044	538	38,237.73	A
	ANIMAL PREMISE	30.3420		57.00	A
	APPLE	45.3075	3	42.25	A
	APRICOT	615.7004	18	809.00	A
	ASPARAGUS	227.5647	3	165.00	A
	AVOCADO	361.4482	9	217.00	A
	BEAN, DRIED	72.4069	2	105.00	A
	BLUEBERRY	834.0177	6	227.60	A
	BROCCOLI	244.9837	7	96.00	A
	CHERRY	1,548.3151	48	972.90	A
	CORN (FORAGE - FODDER)	504.0731	6	344.00	A
	COTTON	11,751.8716	81	8,807.80	A
	DATE	13.1022	2	7.50	A
	FIG	472.7275	17	880.00	A
	GARLIC	82.7508	1	90.00	A
	GRAPE	858.7653	35	1,711.40	A
	GRAPE, WINE	6,573.1003	380	6,121.46	A
	GRAPEFRUIT	8.2621	2	5.40	A
	KIWI	77.2341	2	28.00	A
	LANDSCAPE MAINTENANCE	27.4570			
	LEMON	1,155.4347	21	811.50	A
	N-OUTDR PLANTS IN CONTAINERS	170.1553	3	64.00	A
	N-OUTDR TRANSPLANTS	0.4965	1	0.80	A
	NECTARINE	118.4853	13	175.24	A
	OAT	261.3546	3	147.00	A
	OLIVE	470.5017	24	590.40	A
	ONION, DRY	868.5524	5	823.00	A

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<b>GLYPHOSATE, POTASSIUM SALT</b>					
	ORANGE	4,348.8334	133	3,170.90	A
	PARSLEY	1,490.0109	4	391.00	A
	PASTURELAND	1,557.1239	6	409.25	A
	PEACH	776.0152	40	943.30	A
	PECAN	184.8963	7	155.00	A
	PERSIMMON	40.6859	5	29.50	A
	PISTACHIO	6,147.4762	206	9,875.79	A
	PLUM	93.9573	6	56.80	A
	POMEGRANATE	1.9860	1	7.00	A
	PRUNE	1,040.4194	30	1,495.00	A
	REGULATORY PEST CONTROL	5.5167			
	RESEARCH COMMODITY	2.1013			
	RIGHTS OF WAY	1,803.8207			
		82.7507	3	65.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,886.5714			
	SAFFLOWER	47.3886	1	50.00	A
	SOIL FUMIGATION/PREPLANT	1,198.0246	19	1,335.80	A
	SPINACH	33.1900	1	77.00	A
	STRUCTURAL PEST CONTROL	16.5549			
	TANGELO	625.3202	13	377.40	A
	TANGERINE	363.4866	4	283.00	A
	TOMATO	210.1870	4	203.00	A
	TOMATO, PROCESSING	5,423.2964	29	3,061.30	A
	UNCULTIVATED AG	2,084.8718	39	2,613.60	A
	UNCULTIVATED NON-AG	57.9256	1	30.00	A
	WALNUT	3,130.7251	135	4,141.67	A
	WHEAT	1,618.5401	22	1,663.50	A
	WHEAT (FORAGE - FODDER)	79.5511	7	84.00	A
	Chemical Total	95,034.1103	1,965		
<b>GLYPHOSATE-TRIMESIUM</b>					
	ALMOND	21,486.9343	276	12,335.22	A
	APRICOT	85.3399	10	68.00	A
	ASPARAGUS	43.3225	1	69.00	A
	AVOCADO	580.5620	17	393.68	A
	CITRUS	3.7650	1	2.00	A
	CORN (FORAGE - FODDER)	719.0133	10	694.40	A
	GRAPE	1,614.4213	50	1,011.77	A
	GRAPE, WINE	350.6452	34	311.24	A
	GRAPEFRUIT	10.0400	1	7.00	A
	LANDSCAPE MAINTENANCE	37.9576			
	LEMON	980.1533	21	429.10	A
	N-OUTDR FLOWER	3.1375	2	1.25	A
	N-OUTDR PLANTS IN CONTAINERS	16.3150	1	26.00	A
	NECTARINE	1,997.9602	98	1,526.68	A
	OLIVE	31.3749	1	25.00	A
	ORANGE	148.0897	6	130.00	A
	PEACH	1,815.4798	91	1,488.30	A
	PEAR	66.7345	4	79.50	A
	PERSIMMON	11.2950	4	7.90	A
	PISTACHIO	22.5900	1	38.00	A
	PLUM	1,001.2624	57	705.27	A
	PRUNE	10.0400	1	7.00	A
	RIGHTS OF WAY	1,641.0593			
	SAFFLOWER	140.5598	1	224.80	A
	SOIL FUMIGATION/PREPLANT	3,522.5782	69	3,305.30	A
	SOYBEAN	94.1248	1	100.00	A
	UNCULTIVATED AG	10,609.2819	211	12,115.30	A
	UNCULTIVATED NON-AG	150.5997	1	120.00	A
	WALNUT	1,325.7156	82	1,702.61	A
	Chemical Total	48,520.3527	1,052		

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<b>HALOSULFURON</b>					
	ALMOND	31.2197	23	1,245.40	A
	ASPARAGUS	46.1744	23	1,076.00	A
	BERMUDAGRASS	0.7163	2	16.00	A
	CANTALOUPE	4.2188	1	90.00	A
	CORN (FORAGE - FODDER)	1,269.8865	656	28,960.92	A
	CORN, HUMAN CONSUMPTION	17.0247	8	347.90	A
	CUCUMBER	12.1057	12	455.80	A
	GRAPE, WINE	0.2813	1	55.00	A
	LANDSCAPE MAINTENANCE	1,363.2800			
		0.0090	2	12.00	A
		0.0030	1	2,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,363.2920			
	MELON	0.5861	1	44.00	A
	N-GRNHS FLOWER	0.0802	7	1.45	A
	N-GRNHS PLANTS IN CONTAINERS	0.6024	10	3.24	A
	N-GRNHS TRANSPLANTS	0.0704	1	0.23	A
	N-OUTDR FLOWER	0.8561	3	15.00	A
	N-OUTDR PLANTS IN CONTAINERS	33.8860	158	640.47	A
	N-OUTDR TRANSPLANTS	12.1509	10	198.64	A
	PISTACHIO	33.6586	10	815.70	A
	PUBLIC HEALTH	0.2438			
	REGULATORY PEST CONTROL	1.5548			
	RICE	161.7084	58	3,272.30	A
	RIGHTS OF WAY	12.8694			
	SOIL FUMIGATION/PREPLANT	335.1525	9	644.00	A
	STRUCTURAL PEST CONTROL	2.8062			
	TOMATO	9.7262	12	343.95	A
	TOMATO, PROCESSING	47.5019	39	3,055.37	A
	TURF/SOD	57.0578	70	1,156.54	A
	UNCULTIVATED AG	20.7052	13	392.75	A
	VERTEBRATE CONTROL	0.0235			
	WALNUT	54.2459	38	1,530.73	A
	WHEAT	1.4063	1	30.00	A
	Chemical Total	3,531.8120	1,169		
<b>HARPIN PROTEIN</b>					
	EGGPLANT	0.5550	3	68.00	A
	GRAPE	7.7700	43	850.92	A
	GRAPE, WINE	4.6588	86	962.45	A
	LEMON	0.9149	19	333.65	A
	N-OUTDR TRANSPLANTS	4.9502	23	556.70	A
	ORANGE	7.5802	28	497.15	A
	PEPPER, FRUITING	0.4219	2	50.00	A
	PEPPER, SPICE	0.5119	3	42.00	A
	STRAWBERRY	119.0218	508	14,588.53	A
		0.2588		478,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	119.2806			
	Chemical Total	146.6435	715		
<b>HEPTACHLOR</b>					
	STRUCTURAL PEST CONTROL	0.2297			
	Chemical Total	0.2297			
<b>HEPTACHLOR, OTHER RELATED</b>					
	STRUCTURAL PEST CONTROL	0.0807			
	Chemical Total	0.0807			
<b>HEPTAMETHYLTRISILOXANE ETHOXYLATED</b>					
	ALFALFA	76.8879	56	3,963.08	A
	BROCCOLI	6.7204	12	156.63	A
	CARROT	0.9846	1	35.00	A
	CAULIFLOWER	6.7938	5	78.26	A
	COTTON	15.1047	4	378.00	A
	GARLIC	14.5919	3	374.00	A

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<b>HEPTAMETHYLTRISILOXANE ETHOXYLATED</b>					
	LETTUCE, HEAD	29.8044	44	1,009.40	A
	LETTUCE, LEAF	24.1788	57	689.56	A
	ONION, DRY	4.0270	10	119.50	A
	RAPPINI	7.5027	4	60.90	A
	SPINACH	0.4825	3	8.80	A
	SUGARBEET	3.9384	1	83.00	A
	TOMATO, PROCESSING	40.0046	7	911.00	A
	Chemical Total	231.0217	207		
<b>HEPTAMETHYLTRISILOXANE-1,3-PROPANEDIOL ETHER, ETHOXYLATED PROPOXYLATED</b>					
	ALMOND	2.8350	2	52.50	A
	APRICOT	0.5385	2	7.00	A
	GRAPE, WINE	77.0079	47	2,278.45	A
	KOHLRABI	0.0070	1	0.74	A
	LEMON	9.3348	4	83.00	A
	STRAWBERRY	2.9447	2	56.00	A
	UNCULTIVATED AG	0.6831	2	97.20	A
	Chemical Total	93.3510	60		
<b>(Z)-11-HEXADECEN-1-YL ACETATE</b>					
	BROCCOLI	0.0432	1	2.00	A
	BRUSSELS SPROUT	2.8232	18	129.18	A
	CABBAGE	2.5679	4	100.00	A
	CAULIFLOWER	0.3884	2	17.80	A
	N-OUTDR FLOWER	4.0754	10	116.10	A
	Chemical Total	9.8981	35		
<b>(Z)-11-HEXADECENAL</b>					
	BROCCOLI	0.0432	1	2.00	A
	BRUSSELS SPROUT	2.8232	18	129.18	A
	CABBAGE	2.5679	4	100.00	A
	CAULIFLOWER	0.3884	2	17.80	A
	N-OUTDR FLOWER	4.0754	10	116.10	A
	Chemical Total	9.8981	35		
<b>HEXAFLUMURON</b>					
	LANDSCAPE MAINTENANCE	0.0050			
	STRUCTURAL PEST CONTROL	5.2909			
	Chemical Total	5.2959			
<b>HEXAZINONE</b>					
	ALFALFA	77,286.5212	2,627	158,910.01	A
	CHRISTMAS TREE	123.9504	1	30.00	A
	FORAGE HAY/SILAGE	30.0000	1	40.00	A
	FOREST, TIMBERLAND	34,658.4325	439	23,447.21	A
	N-OUTDR FLOWER	29.9880	1	40.00	A
	REGULATORY PEST CONTROL	332.7550			
		10.0000		16.50	A
	TOTAL POUNDS ON THIS COMMODITY	342.7550			
	RESEARCH COMMODITY	5.9976			
	RIGHTS OF WAY	2,188.9043			
	UNCULTIVATED NON-AG	3.0538	3	2.50	A
	Chemical Total	114,669.6028	3,072		
<b>HEXYTHIAZOX</b>					
	ALMOND	3,716.1872	289	24,448.57	A
	APPLE	11.9400	9	104.00	A
	APRICOT	117.7189	22	719.50	A
	BLACKBERRY	5.9063	3	31.50	A
	CHERRY	262.3428	58	1,192.26	A
	COTTON	1.0223	1	16.00	A
	DATE	233.6625	94	1,461.01	A



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<b>HEXYTHIAZOX</b>					
	LANDSCAPE MAINTENANCE	2.7815			
	MINT	12.0660	3	141.00	A
	N-GRNHS FLOWER	32.3440	145	365.19	A
		14.0048	38	1,676,649.00	S
	TOTAL POUNDS ON THIS COMMODITY	46.3488			
	N-GRNHS PLANTS IN CONTAINERS	36.8016	231	283.66	A
		7.0659	85	2,513,947.00	S
		1.5001	6	230,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	45.3676			
	N-GRNHS TRANSPLANTS	0.2047	7	3.55	A
		0.0041	1	7,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.2088			
	N-OUTDR FLOWER	18.8438	44	163.25	A
		0.1875	1	30,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	19.0313			
	N-OUTDR PLANTS IN CONTAINERS	186.2908	395	1,735.19	A
		2.0782	23	566,857.00	S
		1.0210	8	36,231.00	U
	TOTAL POUNDS ON THIS COMMODITY	189.3900			
	N-OUTDR TRANSPLANTS	13.0212	6	104.50	A
	NECTARINE	1,542.5637	635	8,809.28	A
	PEACH	2,098.7366	866	13,031.23	A
	PEAR	20.9588	4	176.10	A
	PLUM	775.0800	295	4,511.06	A
	PRUNE	136.7023	18	539.80	A
	RASPBERRY	189.1257	86	1,014.49	A
	RESEARCH COMMODITY	0.0313	1	0.20	A
	STRAWBERRY	2,895.7886	545	14,995.04	A
	WALNUT	510.3268	88	3,181.68	A
	Chemical Total	12,846.3090	4,007		
<b>HYDRAMETHYLNON</b>					
	FOOD PROCESSING PLANT	0.3079		54,480.00	S
		0.0004		25.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.3083			
	INDUSTRIAL SITE	0.0003		0.18	A
	LANDSCAPE MAINTENANCE	43.1031			
	N-GRNHS FLOWER	0.4456	3	41.30	A
	N-GRNHS PLANTS IN CONTAINERS	0.0021	1	1,600.00	S
	N-GRNHS TRANSPLANTS	0.0548	2	7.00	A
	N-OUTDR FLOWER	0.9454	4	59.00	A
	N-OUTDR PLANTS IN CONTAINERS	14.2236	87	1,010.50	A
		0.0183	1	3,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.2419			
	N-OUTDR TRANSPLANTS	0.2446	5	24.63	A
	PUBLIC HEALTH	18.2827			
	REGULATORY PEST CONTROL	0.1869			
	RESEARCH COMMODITY	0.0146			
	RIGHTS OF WAY	3.8341			
	STRUCTURAL PEST CONTROL	1,812.6083			
	TURF/SOD	1.8615	2	170.00	A
	VERTEBRATE CONTROL	0.0078			
	Chemical Total	1,896.1420	105		
<b>HYDROGEN CHLORIDE</b>					
	LANDSCAPE MAINTENANCE	2,507.9272			
	N-OUTDR PLANTS IN CONTAINERS	0.5885	1	0.75	A
	RIGHTS OF WAY	1.8741			
	Chemical Total	2,510.3898	1		
<b>HYDROGEN CYANAMIDE</b>					
	APPLE	811.7235	2	58.00	A
	BLUEBERRY	1,568.5478	14	222.94	A
	CHERRY	66,824.1914	234	4,252.22	A
	FIG	1,765.9600	1	286.00	A

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<b>HYDROGEN CYANAMIDE</b>					
	GRAPE	171,326.5918	277	10,932.09	A
	GRAPE, WINE	391.2484	5	51.31	A
	KIWI	18,342.1353	42	1,284.50	A
	Chemical Total	261,030.3982	575		
<b>HYDROGEN PEROXIDE</b>					
	LANDSCAPE MAINTENANCE	566.6224			
	N-GRNHS FLOWER	18.5551	2	6.00	A
		3.7110	4	186,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	22.2661			
	N-GRNHS PLANTS IN CONTAINERS	1,060.2432	106	443.89	A
		395.1542	179	3,688,558.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,455.3974			
	N-GRNHS TRANSPLANTS	109.2400	82	109.89	A
	N-OUTDR FLOWER	115.0415	10	45.50	A
	N-OUTDR PLANTS IN CONTAINERS	365.5405	161	263.73	A
		10.4469	11	55,506.00	S
	TOTAL POUNDS ON THIS COMMODITY	375.9874			
	N-OUTDR TRANSPLANTS	88.3966	49	93.45	A
		37.1102	2	137,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	125.5068			
	STRUCTURAL PEST CONTROL	0.0078			
	UNKNOWN	24.7401		36,000.00	S
	Chemical Total	2,794.8095	606		
<b>HYDROPRENE</b>					
	FUMIGATION, OTHER	0.3695			
	INDUSTRIAL SITE	0.0249		7,500.00	S
	LANDSCAPE MAINTENANCE	6.5104			
	REGULATORY PEST CONTROL	0.0250			
	STORAGE AREA/BOX	3.8336		1,006,735.00	C
	STRUCTURAL PEST CONTROL	1,298.0259			
	VERTEBRATE CONTROL	0.2298			
	Chemical Total	1,309.0191			
<b>HYDROTREATED PARAFFINIC SOLVENT</b>					
	ALFALFA	32,799.6126	703	43,082.55	A
	ALMOND	12,775.7659	419	23,216.11	A
	APRICOT	10.8299	2	12.00	A
	ASPARAGUS	675.5856	17	1,038.30	A
	AVOCADO	336.9714	11	217.50	A
	BARLEY	19.2293	1	25.00	A
	BEAN, DRIED	1,735.7749	21	1,933.00	A
	BEAN, UNSPECIFIED	285.2675	4	186.00	A
	BERMUDAGRASS	228.1587	1	150.00	A
	CANTALOUPE	94.0013	4	309.00	A
	CARROT	349.8433	2	230.00	A
	CHERRY	17.5181	2	56.00	A
	CORN (FORAGE - FODDER)	2,612.0389	39	4,305.90	A
	CORN, HUMAN CONSUMPTION	995.6172	30	658.60	A
	COTTON	40,797.9228	789	58,187.98	A
	CUCUMBER	108.4531	3	88.00	A
	FOREST, TIMBERLAND	222.6291	14	300.00	A
	GARLIC	5,116.2906	65	7,451.10	A
	GRAPE	2,124.4083	92	4,289.26	A
	GRAPE, WINE	2,239.5023	95	4,090.20	A
	GRAPEFRUIT	60.8423	1	20.00	A
	LANDSCAPE MAINTENANCE	114.2509			
	LEMON	2,035.8500	13	641.53	A
	LETTUCE, HEAD	78.7612	5	135.30	A
	LETTUCE, LEAF	19.6216	1	51.60	A
	MELON	233.7147	5	200.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.9507	1	1.70	A
	NECTARINE	793.6764	72	1,464.85	A

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<b>HYDROTREATED PARAFFINIC SOLVENT</b>					
	OAT	92.9159	3	64.40	A
	OAT (FORAGE - FODDER)	24.6135	1	27.00	A
	OLIVE	38.8816	3	52.00	A
	ONION, DRY	2,904.9412	41	3,949.00	A
	ORANGE	394.1813	21	983.60	A
	PASTURELAND	6.1534	1	8.00	A
	PEACH	772.4665	106	1,905.01	A
	PEAR	1.5211	1	24.18	A
	PEAS	11.5684	1	6.00	A
	PECAN	49.2270	2	160.00	A
	PISTACHIO	130.2898	8	308.70	A
	PLUM	717.1040	55	761.60	A
	POMEGRANATE	15.2106	2	36.00	A
	POTATO	651.4115	13	596.93	A
	PRUNE	503.0116	23	1,223.35	A
	PUBLIC HEALTH	123.0674			
	RANGELAND	10.1829	7	2,090.00	A
	REGULATORY PEST CONTROL	3.2886			
	RICE	189,488.1239	2,117	139,520.57	A
	RIGHTS OF WAY	1,304.4460			
		55.3803	2	60.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,359.8263			
	SAFFLOWER	30.7669	1	20.00	A
	SOIL FUMIGATION/PREPLANT	145.0791	12	696.68	A
	SQUASH	90.7623	4	59.00	A
	SUGARBEET	2,947.9244	46	3,328.00	A
	SUNFLOWER	702.3458	9	679.00	A
	TANGERINE	592.6483	19	516.45	A
	TOMATO	243.4769	12	577.50	A
	TOMATO, PROCESSING	2,287.7835	65	3,954.01	A
	UNCULTIVATED AG	138.4509	2	90.00	A
	UNCULTIVATED NON-AG	15.9711	1	11.00	A
	WALNUT	633.6071	28	776.10	A
	WATERMELON	551.5962	9	425.70	A
	WHEAT	6,994.9337	101	11,117.90	A
	WHEAT (FORAGE - FODDER)	462.1896	10	653.00	A
	Chemical Total	320,018.6109	5,138		
<b>HYDROXYETHYL CELLULOSE</b>					
	COTTON	8.3300	1	56.00	A
	Chemical Total	8.3300	1		
<b>2-(3-HYDROXYPROPYL)-HEPTA-METHYL TRISILOXANE, ETHOXYLATED, ACETATE</b>					
	ALFALFA	587.4977	198	13,596.67	A
	ALMOND	7,340.4914	900	54,442.38	A
	APPLE	477.1596	32	1,165.00	A
	APRICOT	18.1326	8	196.00	A
	ARTICHOKE, GLOBE	933.6113	162	7,507.65	A
	ASPARAGUS	17.6690	4	346.60	A
	AVOCADO	17.4931	16	278.17	A
	BEAN, DRIED	46.2207	18	684.10	A
	BEAN, SUCCULENT	2.5647	1	37.50	A
	BEAN, UNSPECIFIED	3.8860	1	80.00	A
	BLACKBERRY	1.2241	1	16.00	A
	BROCCOLI	603.7606	285	5,131.75	A
	CABBAGE	21.2715	26	148.10	A
	CANTALOUPE	32.6905	18	816.00	A
	CARROT	2.7341	4	35.10	A
	CAULIFLOWER	424.0709	254	3,171.08	A
	CELERY	852.7943	816	8,659.28	A
	CHERRY	290.4598	44	1,198.50	A
	CHICORY	10.2084	3	34.40	A
	CITRUS	21.9994	3	41.00	A
	CLOVER	15.8595	6	138.20	A
	CORN (FORAGE - FODDER)	117.4622	56	2,991.82	A
	CORN, HUMAN CONSUMPTION	222.9767	541	13,658.50	A

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<b>2-(3-HYDROXYPROPYL)-HEPTA-METHYL TRISILOXANE, ETHOXYLATED, ACETATE</b>					
	COTTON	1,806.9384	347	37,564.29	A
	CUCUMBER	17.2777	12	526.40	A
	ENDIVE (ESCAROLE)	4.6848	11	31.50	A
	FENNEL	1.0808	2	8.90	A
	FOREST, TIMBERLAND	1,118.9713	198	4,659.50	A
	GRAPE	3,179.2685	417	19,729.31	A
	GRAPE, WINE	2,917.1158	453	22,540.46	A
	KALE	55.0780	30	393.80	A
	LANDSCAPE MAINTENANCE	129.3830			
	LEMON	398.9336	34	1,391.64	A
	LETTUCE, HEAD	516.2600	241	3,166.30	A
	LETTUCE, LEAF	667.6900	431	3,900.65	A
	MELON	0.3798	2	30.00	A
	N-OUTDR PLANTS IN CONTAINERS	287.2913	141	1,075.23	A
	N-OUTDR TRANSPLANTS	0.0607	1	3.00	A
	NECTARINE	730.0233	221	3,456.56	A
	OAT	20.0701	6	384.80	A
	OAT (FORAGE - FODDER)	0.1700	1	35.00	A
	OLIVE	2.2271	3	30.00	A
	ONION, DRY	389.7465	96	4,495.68	A
	ONION, GREEN	3.9569	6	20.00	A
	ORANGE	4,837.8628	260	11,561.07	A
	PASTURELAND	7.5776	1	78.00	A
	PEACH	840.3125	277	4,149.18	A
	PEAR	122.4731	52	1,286.10	A
	PEAS	327.7366	243	2,801.42	A
	PEPPER, FRUITING	1.7726	1	18.00	A
	PEPPER, SPICE	4.7047	3	34.00	A
	PISTACHIO	133.7339	28	2,240.32	A
	PLUM	271.8293	106	1,379.44	A
	POMEGRANATE	1,144.9628	27	5,720.51	A
	POTATO	7.9711	3	134.00	A
	PRUNE	151.6058	27	1,519.80	A
	PUMPKIN	4.8048	8	167.00	A
	RANGELAND	12.3379	2	508.00	A
	RAPPINI	11.9018	14	42.00	A
	RESEARCH COMMODITY	1.5902	2	50.00	A
	RICE	3,127.7501	665	43,294.50	A
	RIGHTS OF WAY	233.6867			
	RYE	1.0104	2	32.80	A
	SAFFLOWER	132.4896	20	4,380.00	A
	SOIL FUMIGATION/PREPLANT	2.5065	5	170.00	A
	SORGHUM (FORAGE - FODDER)	2.7202	1	56.00	A
	SORGHUM/MILO	0.5222	3	56.20	A
	SPINACH	37.4685	24	405.90	A
	SQUASH	7.3736	13	245.00	A
	SQUASH, SUMMER	1.5194	2	12.55	A
	STRAWBERRY	818.9757	211	4,126.00	A
	SUGARBEET	3.1068	1	60.00	A
	SUNFLOWER	84.5969	26	1,826.00	A
	SWISS CHARD	21.6513	33	196.62	A
	TANGELO	257.3958	19	787.00	A
	TANGERINE	70.8641	21	264.80	A
	TOMATO	78.8770	36	1,670.00	A
	TOMATO, PROCESSING	605.6508	155	9,762.70	A
	UNCULTIVATED AG	29.0695	11	188.20	A
	UNCULTIVATED NON-AG	0.0777	1	2.00	A
	WALNUT	4,826.4203	913	23,955.76	A
	WATERMELON	38.6468	33	1,568.50	A
	WHEAT	101.5585	29	1,975.00	A
Chemical Total		42,675.9616	9,328		

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<b>IBA</b>					
	LANDSCAPE MAINTENANCE	1.0350			
	N-GRNHS FLOWER	3.5393	38	15.03	A
		0.0124	120	110,982.00	U
	TOTAL POUNDS ON THIS COMMODITY	3.5517			
	N-GRNHS PLANTS IN CONTAINERS	2.9604	67	384,720.00	S
		1.6904	20	17.06	A
		0.0090	2	300.00	U
		0.0008			
	TOTAL POUNDS ON THIS COMMODITY	4.6606			
	N-GRNHS TRANSPLANTS	0.4156	38	24,476.00	U
		0.0272	13	30.00	A
		0.0005	14	30,640.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4433			
	N-OUTDR PLANTS IN CONTAINERS	7.7877	14	900,454.00	U
		1.0383	79	1,063.79	A
		0.1175	21	14,910.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.9435			
	N-OUTDR TRANSPLANTS	0.2056	104	8,323.00	U
		0.0069	2	3,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.2125			
	RIGHTS OF WAY	0.1500			
	STRAWBERRY	0.4200	8	430.00	A
	Chemical Total	19.4166	540		
<b>IMAZALIL</b>					
	ANIMAL PREMISE	1.3265		1,012.00	U
		0.1175		30,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	1.4440			
	CITRUS	2,117.0987		213,289.16	T
		157.9934		759,057.13	U
		127.2159		1,137,178.41	C
	TOTAL POUNDS ON THIS COMMODITY	2,402.3080			
	COMMODITY FUMIGATION	161.9878			
	FUMIGATION, OTHER	1.3741			
	GRAPEFRUIT	0.2916		1,743.00	C
	LANDSCAPE MAINTENANCE	347.7341			
	LEMON	5,223.7341		531,497.44	T
		320.3611		56,856.00	U
		40.1733		469.00	A
		9.3823		30,184.00	C
	TOTAL POUNDS ON THIS COMMODITY	5,593.6508			
	N-OUTDR FLOWER	0.5271	2	7.00	A
	ORANGE	10,636.3418		1,447,407.67	T
		219.1988		2,253,685.00	U
		27.3205		169,468.00	C
		24.9660		1,673,724.00	P
	TOTAL POUNDS ON THIS COMMODITY	10,907.8271			
	STRUCTURAL PEST CONTROL	373.5042			
	TANGELO	5.2105		1,200.00	T
		0.2915		2,069.00	C
	TOTAL POUNDS ON THIS COMMODITY	5.5020			
	TANGERINE	53.4730		8,492.45	T
	Chemical Total	19,849.6238	2		
<b>IMAZAMOX, AMMONIUM SALT</b>					
	ALFALFA	2,999.8068	1,326	71,622.32	A
	CANOLA (RAPE)	17.3334	8	593.00	A
	OAT	2.9474	2	58.40	A
	RESEARCH COMMODITY	0.5594			
	RIGHTS OF WAY	0.2019			
	SUNFLOWER	0.6219	1	47.00	A
	UNCULTIVATED AG	0.6561	1	13.00	A
	WHEAT	23.5347	13	517.00	A
	Chemical Total	3,045.6616	1,351		

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<b>IMAZAPYR, ISOPROPYLAMINE SALT</b>					
	FOREST, TIMBERLAND	13,101.6642	1,041	36,346.58	A
	LANDSCAPE MAINTENANCE	77.3380			
	REGULATORY PEST CONTROL	0.3772			
	RIGHTS OF WAY	1,140.1043			
		47.0737	2	86.80	A
	TOTAL POUNDS ON THIS COMMODITY	1,187.1780			
	STRUCTURAL PEST CONTROL	0.0566			
	UNCULTIVATED NON-AG	3.6880		6.00	A
	Chemical Total	14,370.3020	1,043		
<b>IMAZETHAPYR</b>					
	ALFALFA	5,045.1012	1,109	63,730.29	A
	BEAN, DRIED	6.0410	2	69.00	A
	CORN (FORAGE - FODDER)	14.1173	5	153.00	A
	LANDSCAPE MAINTENANCE	2.6994			
	WHEAT (FORAGE - FODDER)	7.4410	1	85.00	A
	Chemical Total	5,075.3999	1,117		
<b>IMAZETHAPYR, AMMONIUM SALT</b>					
	ALFALFA	479.2567	175	10,046.38	A
	LANDSCAPE MAINTENANCE	2.2870			
	Chemical Total	481.5437	175		
<b>IMIDACLOPRID</b>					
	ALMOND	2.9177	3	67.00	A
	ANIMAL PREMISE	13.3825		485.00	U
		3.0559		3,267,257.00	S
		2.3035		109.00	A
	TOTAL POUNDS ON THIS COMMODITY	18.7419			
	APPLE	126.0915	40	1,098.37	A
	ARRUGULA	122.0123	12	47.85	A
	ARTICHOKE, GLOBE	15.5361	19	258.20	A
	BEAN, DRIED	0.8450	7	19.36	A
	BEAN, SUCCULENT	222.6401	68	1,200.67	A
	BEAN, UNSPECIFIED	3.6459	18	55.46	A
	BEET	6.4735	24	64.04	A
	BLUEBERRY	0.1121	2	3.25	A
	BOK CHOY	116.7196	709	1,315.69	A
	BROCCOLI	6,177.8817	3,075	47,432.65	A
		0.2616	6	182,266.80	S
	TOTAL POUNDS ON THIS COMMODITY	6,178.1433			
	BRUSSELS SPROUT	395.2176	247	3,086.57	A
	CABBAGE	1,051.8295	792	6,727.02	A
	CANOLA (RAPE)	1.5249	12	90.73	A
	CANTALOUPE	1,822.3976	178	9,041.30	A
	CARDON	3.9683	5	15.68	A
	CARROT	1.2964	3	30.00	A
	CAULIFLOWER	3,302.8751	1,553	18,322.64	A
	CELERY	246.7850	85	924.36	A
	CHERRY	123.9459	68	1,247.20	A
	CHICORY	168.3135	224	1,715.38	A
	CHINESE CABBAGE (NAPPA)	250.9621	564	2,138.87	A
	CILANTRO	50.0334	86	588.06	A
	CITRUS	97.0411	34	193.50	A
		0.0093	2	652.00	U
	TOTAL POUNDS ON THIS COMMODITY	97.0504			
	COLE CROP	0.0422	3	0.89	A
	COLLARD	11.6672	75	158.45	A
	COTTON	2,784.4193	840	61,010.35	A
	CUCUMBER	109.5013	45	529.07	A
	DAIKON	0.1364	4	3.58	A
	DANDELION GREEN	0.9042	19	14.66	A
	EGGPLANT	48.3958	39	402.92	A
	ENDIVE (ESCAROLE)	152.6119	672	2,260.37	A
	FENNEL	6.1360	5	45.48	A

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<b>IMIDACLOPRID</b>					
	FUMIGATION, OTHER	0.2250			
	GAI LON	6.4329	14	118.80	A
	GRAPE	11,366.8709	3,004	122,791.94	A
	GRAPE, WINE	6,756.4480	2,864	103,912.78	A
		0.4575	3	48.29	U
	TOTAL POUNDS ON THIS COMMODITY	6,756.9055			
	GRAPEFRUIT	217.0873	29	500.00	A
		0.0405	4	1,007.00	U
	TOTAL POUNDS ON THIS COMMODITY	217.1278			
	KALE	136.1188	368	1,533.39	A
	KOHLRABI	1.7895	39	31.14	A
	LANDSCAPE MAINTENANCE	6,827.9652			
		1.4344	6	16.20	A
		0.0127	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,829.4123			
	LEMON	2,878.5561	200	7,778.47	A
	LETTUCE, HEAD	13,135.3193	7,244	102,722.79	A
		0.4170	8	29,163.00	S
	TOTAL POUNDS ON THIS COMMODITY	13,135.7363			
	LETTUCE, LEAF	11,577.5518	14,002	144,528.50	A
		0.0062	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	11,577.5580			
	MANGO	7.4736	2	93.00	A
	MELON	1,023.5716	125	6,354.62	A
	MIZUNA	2.2158	1	6.00	A
	MUSTARD	58.1748	178	680.68	A
	N-GRNHS FLOWER	226.2910	173	1,711.73	A
		3.5303	102	1,653,567.00	S
		0.4600	2	17,120.00	U
	TOTAL POUNDS ON THIS COMMODITY	230.2813			
	N-GRNHS PLANTS IN CONTAINERS	196.1691	906	1,093.66	A
		53.2680	636	17,898,531.37	S
		12.3339	72	587,189.00	U
		0.0094			
	TOTAL POUNDS ON THIS COMMODITY	261.7804			
	N-GRNHS TRANSPLANTS	33.5573	56	227.89	A
		7.7528	73	829,057.00	S
		0.0393	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	41.3494			
	N-OUTDR FLOWER	21.2104	94	275.44	A
		1.1690	16	366,901.00	S
	TOTAL POUNDS ON THIS COMMODITY	22.3794			
	N-OUTDR PLANTS IN CONTAINERS	405.5160	1,393	3,150.08	A
		19.9682	296	5,128,814.75	S
		6.9193	47	95,361.00	U
	TOTAL POUNDS ON THIS COMMODITY	432.4035			
	N-OUTDR TRANSPLANTS	58.9569	136	292.92	A
		17.9988	146	14,389,938.00	S
		2.0305	8	761,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	78.9862			
	NECTARINE	0.5001	1	10.00	A
	OLIVE	0.0235	1	4.00	A
	ORANGE	6,006.7497	447	12,688.83	A
	PARSLEY	34.8394	107	540.71	A
	PEACH	0.9716	2	1.00	A
	PEAR	21.3767	9	344.00	A
	PEAS	1.1364	5	13.00	A
	PECAN	29.2082	4	81.00	A
	PEPPER, FRUITING	2,340.9320	666	17,925.96	A
	PEPPER, SPICE	120.3280	54	1,307.20	A
	PIMENTO	7.2274	6	154.40	A
	PLUM	0.0850	2	6.80	A
	POTATO	739.8972	110	7,908.72	A
	POULTRY	0.9525		313.00	U
		0.0300		30.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.9825			
	PUBLIC HEALTH	0.7969			
	PUMPKIN	439.1835	43	1,495.67	A

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<b>IMIDACLOPRID</b>					
	QUINCE	0.7474	1	15.00	A
	RADISH	25.0889	3	72.30	A
	RANGELAND	0.3985	1	31.00	A
	RAPPINI	868.4924	288	5,763.28	A
	REGULATORY PEST CONTROL	141.4176			
		0.1250		2,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	141.5426			
	RESEARCH COMMODITY	25.9382			
		1.7808	44	175.83	A
		0.3767	24	106,160.00	S
		0.0071	2	113.00	U
	TOTAL POUNDS ON THIS COMMODITY	28.1028			
	RIGHTS OF WAY	71.0189			
	SOIL FUMIGATION/PREPLANT	1.3074	1	28.00	A
	SPINACH	676.9111	1,019	8,289.30	A
	SQUASH	87.3868	36	419.70	A
	SQUASH, SUMMER	19.4168	15	66.40	A
	SQUASH, WINTER	25.1465	4	84.64	A
	STRAWBERRY	1,198.1948	81	2,691.62	A
	STRUCTURAL PEST CONTROL	39,536.5901			
		1.3875		184.00	U
	TOTAL POUNDS ON THIS COMMODITY	39,537.9776			
	SUGARBEET	1,306.2086	154	11,808.70	A
	SWISS CHARD	10.3041	83	119.40	A
	TANGELO	26.1867	5	50.00	A
	TANGERINE	483.8091	58	2,329.71	A
	TOMATILLO	1.4163	1	7.50	A
	TOMATO	1,833.1536	324	17,517.80	A
	TOMATO, PROCESSING	2,198.0722	230	30,045.29	A
	TURNIP	4.4877	64	85.95	A
	UNCULTIVATED NON-AG	0.9757		1.00	A
	UNKNOWN	4.2099	16	27.20	A
	VEGETABLES, LEAFY	3.5349	12	75.50	A
	VERTEBRATE CONTROL	4.8773			
		2.8922	2	77.14	A
	TOTAL POUNDS ON THIS COMMODITY	7.7695			
	WATERMELON	578.9196	99	2,908.36	A
	Chemical Total	131,394.2606	45,812		
<b>IMIPROTHRIN</b>					
	LANDSCAPE MAINTENANCE	0.0007			
	N-OUTDR TRANSPLANTS	0.0118	6	0.35	A
	Chemical Total	0.0125	6		
<b>INDOXACARB</b>					
	ALFALFA	8,619.7687	1,608	122,367.98	A
	APPLE	1.5750	4	8.00	A
	BROCCOLI	3,559.4273	4,562	57,149.83	A
		0.1313	7	226,006.80	S
	TOTAL POUNDS ON THIS COMMODITY	3,559.5586			
	BRUSSELS SPROUT	266.0196	306	4,348.94	A
	CABBAGE	673.1275	1,267	10,505.46	A
	CAULIFLOWER	1,223.2029	1,693	19,721.94	A
	CHINESE CABBAGE (NAPPA)	13.6979	69	214.65	A
	CORN, HUMAN CONSUMPTION	18.0581	8	299.20	A
	COTTON	12,900.3433	1,201	137,503.37	A
	EGGPLANT	0.7406	5	12.00	A
	KOHLRABI	0.2628	8	4.32	A
	LANDSCAPE MAINTENANCE	0.0563			
	LETTUCE, HEAD	2,929.7362	2,170	36,664.21	A
	LETTUCE, LEAF	747.6152	967	10,181.46	A
	N-GRNHS TRANSPLANTS	0.4868	2	7.40	A
	N-OUTDR TRANSPLANTS	0.7646	3	11.74	A
		0.0563	2	81,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.8209			
	PEAR	0.9563	2	8.50	A



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<b>INDOXACARB</b>					
	PEPPER, FRUITING	470.5294	266	7,502.90	A
	PEPPER, SPICE	5.6770	5	86.50	A
	POTATO	198.3445	50	2,785.77	A
	RESEARCH COMMODITY	0.4969	5	85.50	A
		0.1740			
	TOTAL POUNDS ON THIS COMMODITY	0.6709			
	SPINACH	0.8325	1	14.80	A
	TOMATO	845.0916	261	13,761.55	A
		0.1969	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	845.2885			
	TOMATO, PROCESSING	4,452.3563	672	69,750.90	A
	Chemical Total	36,929.7258	15,145		
<b>IODINE</b>					
	LANDSCAPE MAINTENANCE	18.7749			
	STRUCTURAL PEST CONTROL	69.0615			
	Chemical Total	87.8364			
<b>IPRODIONE</b>					
	ALMOND	111,297.7125	3,647	230,722.88	A
		19.9773		36.00	T
	TOTAL POUNDS ON THIS COMMODITY	111,317.6898			
	APRICOT	3,460.0874	218	5,078.29	A
	BEAN, DRIED	135.0468	4	270.37	A
	BEAN, SUCCULENT	218.5520	18	329.30	A
	BEAN, UNSPECIFIED	32.4631	7	32.50	A
	BLACKBERRY	80.9081	20	85.50	A
	BLUEBERRY	35.0000	2	70.00	A
	BROCCOLI	1,259.9460	151	1,597.81	A
	CABBAGE	37.0292	14	53.50	A
	CARROT	18,484.9461	475	30,053.94	A
		379.7927		76,664.30	P
	TOTAL POUNDS ON THIS COMMODITY	18,864.7388			
	CAULIFLOWER	707.7969	107	732.75	A
		4.3700		4,588.87	P
	TOTAL POUNDS ON THIS COMMODITY	712.1669			
	CELERY	11.8665	1	10.30	A
	CHERRY	5,600.2969	396	8,073.27	A
	ENDIVE (ESCAROLE)	5.9931	3	6.00	A
	GARLIC	1,742.8231	15	872.40	A
	GRAPE	1,186.9796	79	2,109.00	A
	GRAPE, WINE	645.0708	61	955.75	A
	KALE	7.9909	4	8.00	A
	LANDSCAPE MAINTENANCE	10,633.0672			
	LETTUCE, HEAD	34,733.2401	2,742	36,514.50	A
		0.8748	14	176,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	34,734.1149			
	LETTUCE, LEAF	26,843.9944	2,639	27,961.34	A
	N-GRNHS FLOWER	866.4613	678	1,161.26	A
		58.0936	61	2,182,308.68	S
	TOTAL POUNDS ON THIS COMMODITY	924.5549			
	N-GRNHS PLANTS IN CONTAINERS	1,072.0347	788	1,174.41	A
		552.5976	612	16,392,447.99	S
		11.6453			
		0.1157	4	95.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,636.3933			
	N-GRNHS TRANSPLANTS	102.8528	117	69.20	A
		35.8195	125	1,635,222.00	S
	TOTAL POUNDS ON THIS COMMODITY	138.6723			
	N-OUTDR FLOWER	3,876.4469	823	4,220.87	A
		23.2907		1,000,000.00	U
		12.0165	23	673,528.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,911.7541			

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<b>IPRODIONE</b>					
	N-OUTDR PLANTS IN CONTAINERS	3,411.9235	1,099	3,735.22	A
		179.9759	166	6,574,523.00	S
		39.3621	3	563,865.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,631.2615			
	N-OUTDR TRANSPLANTS	525.4070	279	596.54	A
		16.0283	17	224,338.00	S
	TOTAL POUNDS ON THIS COMMODITY	541.4353			
	NECTARINE	6,716.1509	875	11,439.19	A
	ONION, DRY	5,610.5624	275	8,998.55	A
	PEACH	14,138.3339	1,456	22,512.44	A
	PLUM	2,696.3991	437	4,879.38	A
	POTATO	1,481.9290	24	1,643.70	A
	PRUNE	453.4503	23	801.80	A
	RASPBERRY	186.2583	18	228.45	A
	RESEARCH COMMODITY	29.2114			
		2.7618	7	2.94	A
	TOTAL POUNDS ON THIS COMMODITY	31.9732			
	RIGHTS OF WAY	14.4739			
	SOIL FUMIGATION/PREPLANT	76.1936	2	152.50	A
	STONE FRUIT	2.9966	1	5.00	A
	STRAWBERRY	1,178.9091	60	1,276.58	A
		29.1669		478,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,208.0760			
	STRUCTURAL PEST CONTROL	51.0489			
	TURF/SOD	16.4936	2	8.20	A
	TURNIP	4.5548	3	9.00	A
	Chemical Total	261,038.7914	18,595		
<b>IRON PHOSPHATE</b>					
	ARTICHOKE, GLOBE	109.7925	24	653.80	A
	BLACKBERRY	0.0360	1	0.10	A
	BRUSSELS SPROUT	0.0450	3	0.30	A
	CHERRY	1.5000	4	80.00	A
	GRAPE	0.5000	1	47.00	A
	GRAPE, WINE	31.0112	5	111.23	A
	GRAPEFRUIT	0.5000	1	3.00	A
	HERB, SPICE	0.3200	8	1.70	A
	LANDSCAPE MAINTENANCE	239.5932			
		0.0300	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	239.6232			
	LETTUCE, LEAF	0.0615	4	0.35	A
	N-GRNHS FLOWER	4.7520	16	17.08	A
		0.3000	2	62,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.0520			
	N-GRNHS PLANTS IN CONTAINERS	11.5500	14	44.20	A
		3.0325	11	273,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.5825			
	N-GRNHS TRANSPLANTS	0.2000	1	12,568.00	S
	N-OUTDR FLOWER	24.8536	12	72.92	A
	N-OUTDR PLANTS IN CONTAINERS	233.8174	119	982.12	A
		8.7138	12	894,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	242.5312			
	N-OUTDR TRANSPLANTS	3.6800	20	781,384.00	S
	ORANGE	0.2500	3	55.00	A
	PEPPER, FRUITING	0.0450	3	0.30	A
	RIGHTS OF WAY	0.0550			
	STRAWBERRY	0.5500	3	20.75	A
	STRUCTURAL PEST CONTROL	571.5873			
	SWISS CHARD	0.0450	3	0.30	A
	TANGERINE	1.0000	1	5.00	A
	TOMATO	1.2500	1	5.00	A
	VEGETABLE	0.0800	2	0.40	A
	VERTEBRATE CONTROL	5.8000			
	Chemical Total	1,254.9510	275		

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<b>ALPHA- ISODECYL-OMEGA-HYDROXPOLY(OXYETHYLENE) PHOSPHATE</b>					
	ALFALFA	178.7644	56	3,963.08	A
	BROCCOLI	15.6249	12	156.63	A
	CARROT	2.2892	1	35.00	A
	CAULIFLOWER	15.7956	5	78.26	A
	COTTON	35.1185	4	378.00	A
	GARLIC	33.9261	3	374.00	A
	LETTUCE, HEAD	69.2951	44	1,009.40	A
	LETTUCE, LEAF	56.2158	57	689.56	A
	ONION, DRY	9.3629	10	119.50	A
	RAPPINI	17.4437	4	60.90	A
	SPINACH	1.1217	3	8.80	A
	SUGARBEET	9.1568	1	83.00	A
	TOMATO, PROCESSING	93.0106	7	911.00	A
	Chemical Total	537.1253	207		
<b>ALPHA- ISOCTADECYL-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	PUBLIC HEALTH	5,633.6893			
	STRUCTURAL PEST CONTROL	72.9977			
	Chemical Total	5,706.6870			
<b>ISOCTYL PHTHALATE</b>					
	ALFALFA	4.9367	6	568.00	A
	ALMOND	32.8632	25	829.20	A
	BROCCOLI	0.5284	1	15.00	A
	CABBAGE	1.0268	2	23.52	A
	CELERY	5.2148	2	34.00	A
	CITRUS	2.6836	2	13.00	A
	CORN (FORAGE - FODDER)	280.4443	100	4,891.59	A
	CORN, HUMAN CONSUMPTION	11.7369	16	336.20	A
	COTTON	207.3816	74	4,720.00	A
	GRAPE	12.3454	2	55.00	A
	GRAPE, WINE	152.8027	91	3,762.06	A
	GRAPEFRUIT	2.6628	2	11.00	A
	KALE	0.2080	5	5.00	A
	LEMON	88.6688	19	371.00	A
	LETTUCE, LEAF	1.6643	23	37.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.5203	4	93,000.00	S
	OLIVE	52.5679	14	514.00	A
	ORANGE	1,546.0316	278	6,703.21	A
	PEPPER, SPICE	14.5622	3	52.00	A
	POTATO	16.0617	18	460.30	A
	RIGHTS OF WAY	3.4672			
	STRAWBERRY	16.6875	2	96.00	A
	SUGARBEET	5.3539	1	154.00	A
	TANGELO	10.1312	5	49.70	A
	TANGERINE	3.2938	2	38.00	A
	TOMATO, PROCESSING	1.3072	1	80.00	A
	UNCULTIVATED AG	6.9344	1	10.00	A
	WALNUT	285.4613	26	1,244.00	A
	Chemical Total	2,767.5485	725		
<b>ISOPARAFFINIC HYDROCARBONS</b>					
	ALFALFA	4,247.8204	135	7,016.17	A
	ALMOND	1,452.7272	73	5,455.37	A
	BARLEY	72.1735	1	137.00	A
	BEAN, DRIED	74.4125	5	275.00	A
	BEAN, SUCCULENT	85.6072	7	161.00	A
	BLACKBERRY	4.3901	2	5.00	A
	BROCCOLI	522.8629	23	636.25	A
	CABBAGE	1.6858	1	3.80	A
	CANTALOUPE	65.8517	1	150.00	A
	CARROT	388.6483	29	1,849.31	A
	CAULIFLOWER	0.2195	1	0.50	A
	CELERY	16.7878	7	38.10	A
	CORN (FORAGE - FODDER)	1,453.3677	66	2,838.00	A

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<b>ISOPARAFFINIC HYDROCARBONS</b>					
	COTTON	2,927.2791	128	12,414.19	A
	CUCUMBER	28.0265	2	72.40	A
	ENDIVE (ESCAROLE)	10.9929	2	12.50	A
	FOREST, TIMBERLAND	2,068.5525	147	4,779.60	A
	GARLIC	690.3721	12	1,572.53	A
	GRAPE	126.1047	42	684.00	A
	GRAPE, WINE	5,006.7519	287	12,425.43	A
	LANDSCAPE MAINTENANCE	37.8745			
	LETTUCE, HEAD	68.4859	10	78.00	A
	LETTUCE, LEAF	61.1319	11	88.85	A
	MELON	265.1630	3	356.00	A
	MUSTARD	0.0549	1	0.20	A
	N-GRNHS FLOWER	11.4143	5	320,000.00	S
	N-OUTDR FLOWER	1.0618	8	12.90	A
	N-OUTDR TRANSPLANTS	9.0821	12	22.50	A
	ONION, DRY	947.4926	19	1,160.87	A
	PASTURELAND	1.3719	1	4.00	A
	PEACH	98.1103	4	625.00	A
	PEPPER, FRUITING	21.0725	2	21.00	A
	PISTACHIO	34.1749	13	190.20	A
	PRUNE	261.8620	6	1,532.00	A
	RANGELAND	2.6341	1	3.00	A
	RASPBERRY	46.3158	7	62.00	A
	RESEARCH COMMODITY	0.1372			
	RICE	5,277.2483	79	7,527.40	A
	RIGHTS OF WAY	767.4212			
	RYEGRASS	115.8991	3	112.00	A
	SQUASH	16.0722	2	40.40	A
	STRAWBERRY	22.2892	8	63.00	A
	SUGARBEET	225.7712	5	400.00	A
	SUNFLOWER	42.6017	2	182.00	A
	TOMATO	538.7484	30	1,313.00	A
	TOMATO, PROCESSING	120.6052	10	599.80	A
	TURF/SOD	414.9186	17	493.61	A
	UNCULTIVATED AG	678.8174	32	952.70	A
	UNCULTIVATED NON-AG	6.5852	1	15.00	A
	WALNUT	125.4300	25	736.00	A
	WATER AREA	3.5121		5.00	A
	WATERMELON	484.8797	10	360.60	A
	WHEAT	142.4162	5	304.80	A
	Chemical Total	30,095.2897	1,303		
<b>ISOPROPYL ALCOHOL</b>					
	ALFALFA	5,564.8711	4,925	308,438.23	A
	ALMOND	11,762.5059	7,701	431,600.51	A
	APPLE	1,087.9185	545	14,415.56	A
	APRICOT	485.5885	317	5,763.92	A
		0.0564	2	80.00	U
	TOTAL POUNDS ON THIS COMMODITY	485.6449			
	ARRUGULA	0.0244	1	1.50	A
	ARTICHOKE, GLOBE	26.3289	37	627.80	A
	ASPARAGUS	1,055.4797	304	14,818.35	A
	AVOCADO	935.3932	635	9,887.17	A
	BARLEY	50.7528	36	2,922.90	A
	BARLEY (FORAGE - FODDER)	2.8588	2	99.00	A
	BEAN, DRIED	178.0676	218	11,592.05	A
	BEAN, SUCCULENT	331.5646	200	7,815.27	A
	BEAN, UNSPECIFIED	24.2975	61	1,717.30	A
	BEET	3.4414	4	7.50	A
	BERMUDAGRASS	342.9397	72	5,252.00	A
	BLACKBERRY	16.2399	56	411.82	A
	BLUEBERRY	387.8390	68	4,004.79	A
	BOK CHOY	8.8089	239	404.61	A
	BROCCOLI	646.6249	2,514	33,597.55	A
		0.4906	62	2,329,981.80	S
	TOTAL POUNDS ON THIS COMMODITY	647.1155			
	BRUSSELS SPROUT	0.3530	7	36.50	A

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<b>ISOPROPYL ALCOHOL</b>					
	BUILDINGS/NON-AG OUTDOOR	0.0078		1.00	A
	CABBAGE	69.5302	470	4,186.69	A
	CACTUS PEAR	13.5319	1	129.50	A
	CANOLA (RAPE)	19.5228	7	510.00	A
	CANTALOUPE	347.0906	175	16,798.30	A
	CARROT	109.9761	109	2,295.59	A
	CAULIFLOWER	135.2017	691	6,162.71	A
	CELERIAC	0.0537	1	5.00	A
	CELERY	499.4291	1,310	12,703.74	A
	CHERIMOYA	0.0265	2	0.12	A
	CHERRY	808.0718	916	16,661.39	A
	CHESTNUT	1.3334	13	198.66	A
	CHICORY	28.8728	22	238.00	A
	CHINESE CABBAGE (NAPPA)	31.0980	460	1,657.34	A
	CHIVE	0.0911	17	16.50	A
	CHRISTMAS TREE	0.4911	1	14.00	A
	CILANTRO	0.6537	5	105.14	A
	CITRUS	74.2175	99	1,686.16	A
	CLOVER	1.2993	4	78.20	A
	COLE CROP	0.0537	1	5.00	A
	COLLARD	1.4151	7	198.00	A
	CORN (FORAGE - FODDER)	3,980.1809	2,371	119,123.36	A
	CORN, HUMAN CONSUMPTION	1,099.1000	776	22,125.26	A
	COTTON	20,933.3373	9,320	738,774.99	A
	COTTON (FORAGE - FODDER)	0.9840	1	36.00	A
	CUCUMBER	36.7848	63	2,089.52	A
	DITCH BANK	0.4887	1	90.00	A
	EGGPLANT	0.3246	4	29.62	A
	ENDIVE (ESCAROLE)	6.0255	68	273.85	A
	FENNEL	25.1471	28	249.20	A
	FIG	149.4134	62	4,295.02	A
	FORAGE HAY/SILAGE	121.5167	53	3,869.20	A
	FOREST, TIMBERLAND	0.2609	1	5.00	A
	FUMIGATION, OTHER	0.3445			
	GARLIC	242.4329	61	7,886.90	A
	GRAIN	2.7628	1	133.00	A
	GRAPE	5,522.3849	4,905	184,210.05	A
	GRAPE, WINE	23,299.4041	11,959	472,350.28	A
		2.0154	15	212.00	U
	TOTAL POUNDS ON THIS COMMODITY	23,301.4195			
	GRAPEFRUIT	134.0107	250	2,433.70	A
	HERB, SPICE	3.8591	95	223.55	A
	KALE	5.0711	31	302.23	A
	KIWI	67.4055	52	845.02	A
	KOHLRABI	0.0143	1	2.00	A
	LANDSCAPE MAINTENANCE	1,016.5251			
		0.8686	6	29.50	A
	TOTAL POUNDS ON THIS COMMODITY	1,017.3937			
	LEMON	710.6203	402	9,037.39	A
	LETTUCE, HEAD	2,295.8723	6,064	82,595.56	A
	LETTUCE, LEAF	1,466.2229	4,552	43,775.38	A
	LIME	0.1580	2	8.00	A
	MELON	74.9706	55	3,292.69	A
	MINT	0.0161	3	5.00	A
	MUSTARD	2.6525	47	98.80	A
	N-GRNHS FLOWER	76.7759	644	2,354.17	A
		31.3796	591	23,096,220.00	S
	TOTAL POUNDS ON THIS COMMODITY	108.1555			
	N-GRNHS PLANTS IN CONTAINERS	68.4481	766	1,948.52	A
		10.4672	331	7,519,201.82	S
		0.0122	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	78.9275			
	N-GRNHS TRANSPLANTS	19.0984	573	295.32	A
		0.8226	7	960,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	19.9210			

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<b>ISOPROPYL ALCOHOL</b>					
	N-OUTDR FLOWER	99.9470	1,060	4,612.12	A
		0.2755	24	145,460.00	S
		0.2679	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	100.4904			
	N-OUTDR PLANTS IN CONTAINERS	964.1573	2,382	18,430.20	A
		21.7331	418	18,164,871.20	S
		0.9625	4	307,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	986.8529			
	N-OUTDR TRANSPLANTS	40.4507	159	4,038.90	A
		37.6890	8	738,000.00	U
		18.2046	317	31,265,939.00	S
	TOTAL POUNDS ON THIS COMMODITY	96.3443			
	NECTARINE	876.2095	2,837	37,434.88	A
	OAT	129.3859	123	5,686.55	A
	OAT (FORAGE - FODDER)	628.1272	646	30,209.80	A
	OLIVE	308.1758	304	9,021.20	A
		0.6164	122	6,359.00	U
	TOTAL POUNDS ON THIS COMMODITY	308.7922			
	ONION, DRY	286.5911	334	15,080.94	A
	ONION, GREEN	42.8727	107	698.40	A
	ORANGE	6,560.1494	4,554	127,007.36	A
	ORCHARD FLOOR	3.4275	3	18.00	A
	PARSLEY	3.0040	19	701.80	A
	PASTURELAND	31.9651	23	1,209.00	A
	PEACH	1,249.6502	4,191	58,490.93	A
		0.0082	2	47.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,249.6584			
	PEAR	79.3523	137	3,861.77	A
	PEAS	19.6717	49	528.95	A
	PECAN	35.3543	60	878.45	A
	PEPPER, FRUITING	356.4178	425	10,137.35	A
	PEPPER, SPICE	34.4857	50	928.80	A
	PERSIMMON	4.8865	42	271.11	A
	PISTACHIO	5,730.0906	1,726	108,830.28	A
	PLUM	618.7923	1,872	25,024.46	A
	POMEGRANATE	41.7803	63	5,019.51	A
	POTATO	225.2556	160	6,524.66	A
	POULTRY	0.8317		32.00	U
	PRUNE	272.0232	313	11,919.22	A
	PUBLIC HEALTH	84.8615			
	PUMPKIN	85.6565	44	1,408.35	A
	QUINCE	7.7975	18	185.00	A
	RADISH	0.3680	26	13.50	A
	RANGELAND	50.5561	29	5,420.60	A
	RAPPINI	7.1294	27	327.00	A
	RASPBERRY	19.5903	140	2,106.19	A
	REGULATORY PEST CONTROL	0.6270			
	RESEARCH COMMODITY	1.3052	14	109.75	A
		0.9584			
	TOTAL POUNDS ON THIS COMMODITY	2.2636			
	RICE	274.5192	178	12,646.05	A
	RIGHTS OF WAY	7,005.3512			
		6.2862	8	218.00	A
	TOTAL POUNDS ON THIS COMMODITY	7,011.6374			
	RYEGRASS	29.1901	2	175.00	A
	SAFFLOWER	39.2289	16	1,528.50	A
	SAGE	0.0536	8	12.00	A
	SOIL FUMIGATION/PREPLANT	165.8212	151	10,592.64	A
	SORGHUM (FORAGE - FODDER)	43.5457	17	890.60	A
	SORGHUM/MILO	30.7171	27	1,038.52	A
	SOYBEAN	8.1007	10	738.00	A
	SOYBEAN GRAIN	2.7709	4	150.00	A
	SPINACH	399.5839	170	1,452.92	A
	SQUASH	62.9860	62	968.20	A
	SQUASH, SUMMER	4.7701	42	384.25	A
	SQUASH, WINTER	13.1185	7	191.00	A
	STONE FRUIT	0.1957	2	12.00	A
	STRAWBERRY	4,373.3377	1,471	42,291.47	A

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<b>ISOPROPYL ALCOHOL</b>					
	STRUCTURAL PEST CONTROL	548.8892			
	SUDANGRASS	51.0889	36	1,254.20	A
	SUGARBEET	532.9676	454	34,078.80	A
	SUNFLOWER	26.6454	21	1,259.50	A
	SWISS CHARD	2.3245	5	148.00	A
	TANGELO	80.9541	125	1,547.75	A
	TANGERINE	153.5309	181	3,617.47	A
	TARRAGON	0.0375	7	7.00	A
	TOMATILLO	0.3178	2	30.00	A
	TOMATO	284.8985	507	27,648.41	A
	TOMATO, PROCESSING	3,693.5556	1,957	166,301.38	A
	TROPICAL/SUBTROPICAL FRUIT	3.3513	2	7.00	A
	TURF/SOD	2.7727	7	162.00	A
	TURNIP	0.9081	28	86.50	A
	UNCULTIVATED AG	673.3987	457	27,001.50	A
	UNCULTIVATED NON-AG	261.3128	131	2,170.43	A
	UNKNOWN	8.3529	5	67.00	A
	VEGETABLES, LEAFY	8.9132	5	56.80	A
	VERTEBRATE CONTROL	15.6603			
		0.2521	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	15.9124			
	WALNUT	3,611.7036	2,884	82,618.48	A
	WATER AREA	0.6869	1	26.00	A
	WATERMELON	157.7439	134	6,001.70	A
	WHEAT	851.1828	740	60,985.64	A
	WHEAT (FORAGE - FODDER)	464.7360	591	30,948.13	A
	Chemical Total	129,340.0173	99,769		
<b>ISOPROPYLAMINE DODECYLBENZENE SULFONATE</b>					
	ALFALFA	5.2134	27	932.00	A
	ALMOND	79.9988	361	15,720.50	A
	APPLE	1.9775	22	715.92	A
	BEAN, SUCCULENT	0.1794	2	48.00	A
	CARROT	0.2130	3	114.00	A
	CHERRY	11.7802	105	2,227.00	A
	CORN (FORAGE - FODDER)	2.0647	10	463.75	A
	CORN, HUMAN CONSUMPTION	0.0822	1	44.00	A
	COTTON	58.3982	228	14,547.80	A
	GRAPE	8.2721	65	2,009.55	A
	GRAPE, WINE	3.4376	20	1,083.68	A
	GRAPEFRUIT	4.9518	14	227.50	A
	KIWI	0.1144	1	16.60	A
	LANDSCAPE MAINTENANCE	1.9383			
	NECTARINE	31.8246	597	7,002.58	A
	OAT (FORAGE - FODDER)	0.6767	2	289.00	A
	OLIVE	7.1816	21	1,847.54	A
	ORANGE	16.2821	85	1,413.27	A
	PEACH	27.4855	598	6,314.50	A
	PECAN	0.0841	2	100.00	A
	PEPPER, FRUITING	0.1460	3	50.00	A
	PERSIMMON	0.0138	1	8.00	A
	PISTACHIO	6.8810	69	3,776.79	A
	PLUM	17.7311	349	4,070.40	A
	POMEGRANATE	0.0207	1	3.00	A
	POTATO	0.4311	1	25.00	A
	PRUNE	1.3062	35	1,928.34	A
	REGULATORY PEST CONTROL	3.9065			
	RESEARCH COMMODITY	0.0003			
	RICE	11.9319	8	1,277.80	A
	RIGHTS OF WAY	25.1528			
	STRUCTURAL PEST CONTROL	0.0187			
	SUGARBEET	0.8131	6	351.00	A
	TANGERINE	0.2067	1	10.00	A
	TOMATO, PROCESSING	2.7738	11	437.00	A
	TURNIP	0.3449	2	20.00	A
	UNCULTIVATED AG	0.4028	2	27.00	A
	WALNUT	34.7473	371	10,561.24	A

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<b>ISOPROPYLAMINE DODECYLBENZENE SULFONATE</b>					
	WHEAT	0.5694	3	120.00	A
	WHEAT (FORAGE - FODDER)	0.4133	3	120.00	A
	Chemical Total	369.9676	3,030		
<b>ISOXABEN</b>					
	ALMOND	375.2794	23	1,215.34	A
	APRICOT	9.4725	2	33.30	A
	GRAPE	15.3675	7	77.94	A
	GRAPE, WINE	16.6875	3	48.80	A
	LANDSCAPE MAINTENANCE	4,301.8884			
		0.1450	2	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	4,302.0334			
	N-GRNHS FLOWER	31.2769	15	210.90	A
	N-GRNHS PLANTS IN CONTAINERS	57.2340	158	103.36	A
		15.1901	68	1,161,751.00	S
	TOTAL POUNDS ON THIS COMMODITY	72.4241			
	N-GRNHS TRANSPLANTS	4.1000	2	4.25	A
	N-OUTDR FLOWER	158.7971	70	222.76	A
	N-OUTDR PLANTS IN CONTAINERS	2,099.8000	1,247	3,199.55	A
		55.1779	112	4,659,298.00	S
		0.8850	8	167,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,155.8629			
	N-OUTDR TRANSPLANTS	14.6932	21	28.63	A
		0.0375	3	352,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.7307			
	NECTARINE	60.3563	17	237.60	A
	PEACH	43.1306	17	151.00	A
	PEAR	4.4925	1	12.00	A
	PISTACHIO	100.4025	10	426.50	A
	PLUM	85.7161	16	302.20	A
	PRUNE	3.6375	1	14.00	A
	PUBLIC HEALTH	6.0000			
	RIGHTS OF WAY	10,351.0503			
	STRUCTURAL PEST CONTROL	71.9262			
	TURF/SOD	0.9375	1	1.00	A
	WALNUT	9.0000	2	33.50	A
	Chemical Total	17,892.6815	1,806		
<b>JAGUAR</b>					
	ALMOND	1.1732	2	205.00	A
	Chemical Total	1.1732	2		
<b>KAOLIN</b>					
	ALMOND	11,210.4750	11	805.50	A
	APPLE	79,325.4235	121	2,444.68	A
	BEAN, SUCCULENT	15.8080	1	4.16	A
	BLUEBERRY	3,182.5000	2	134.00	A
	CHERRY	52,534.5345	67	1,574.47	A
	CITRUS	2,315.6250	4	52.00	A
	CORN (FORAGE - FODDER)	118.4650	2	5.30	A
	CUCUMBER	114.0000	1	6.00	A
	GRAPE	5,207.1875	11	235.00	A
	GRAPE, WINE	39,878.2450	227	2,952.28	A
	GRAPEFRUIT	6,840.0000	2	108.00	A
	LEMON	5,130.0000	6	109.00	A
	MELON	7,331.6250	18	294.70	A
	N-OUTDR PLANTS IN CONTAINERS	4,942.8500	14	140.33	A
	NECTARINE	95.0000	1	2.00	A
	OLIVE	6.2605	7	17.00	A
		4.7500	1	14.00	U
	TOTAL POUNDS ON THIS COMMODITY	11.0105			
	ONION, DRY	451.2500	2	25.00	A
	ORANGE	42,839.4045	87	1,978.58	A
	PEACH	1,757.5000	12	53.00	A
	PEAR	43,181.5375	70	1,389.32	A



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<b>KAOLIN</b>					
	PEPPER, FRUITING	3,350.6500	10	165.00	A
	PERSIMMON	8.5500	1	24.00	U
	PISTACHIO	427.5000	3	151.00	A
	PLUM	135.3750	3	5.70	A
	PRUNE	380.0000	2	16.00	A
	QUINCE	1,087.7500	5	25.00	A
	SQUASH	1,018.8750	11	41.50	A
	TANGELO	86.6115	2	6.49	A
	TANGERINE	9,083.9950	21	301.00	A
	TOMATO	16,644.0000	40	1,084.00	A
	TOMATO, PROCESSING	215,559.5600	140	11,229.97	A
	WALNUT	36,023.2287	45	1,008.75	A
	WATERMELON	285.0000	3	6.50	A
	Chemical Total	590,573.5362	953		
<b>KEROSENE</b>					
	ALFALFA	72.5181	12	380.30	A
	ALMOND	26.3361	1	40.00	A
	ARTICHOKE, GLOBE	44.7902	2	76.40	A
	ASPARAGUS	82.8869	1	53.00	A
	AVOCADO	26.4887	9	74.50	A
	BARLEY	17.5783	1	30.00	A
	BROCCOLI	0.7818	5	229,230.00	S
	CAULIFLOWER	15.9127	2	45.60	A
	CELERY	47.0423	8	60.00	A
	CORN (FORAGE - FODDER)	18.5714	2	45.00	A
	CORN, HUMAN CONSUMPTION	0.2346	1	4.00	A
	COTTON	73.5034	1	150.00	A
	GARLIC	43.1637	1	55.00	A
	GRAPE, WINE	221.7822	11	225.60	A
	GRAPEFRUIT	659.4966	56	644.96	A
	LANDSCAPE MAINTENANCE	108.2687			
	LEMON	67.8833	6	178.03	A
	N-OUTDR TRANSPLANTS	2.9317	25	1,396,809.00	S
	ONION, DRY	2.4436	1	25.00	A
	ORANGE	4,738.1905	213	5,693.30	A
	PUBLIC HEALTH	75.6930			
	RAPPINI	390.6379	57	1,642.00	A
	REGULATORY PEST CONTROL	1.5639			
	RICE	2.9986	1	83.00	A
	RIGHTS OF WAY	969.7064			
		0.9774	1	50.00	A
	TOTAL POUNDS ON THIS COMMODITY	970.6838			
	TANGELO	418.5632	16	529.20	A
	TANGERINE	44.4774	7	55.70	A
	UNCULTIVATED AG	689.9941	28	729.00	A
	WATERMELON	16.8682	4	10.79	A
	WHEAT	702.6707	16	1,074.30	A
	Chemical Total	9,584.9556	488		
<b>KINOPRENE</b>					
	LANDSCAPE MAINTENANCE	0.8100			
	N-GRNHS FLOWER	31.5869	26	51.35	A
		0.1043	2	4,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	31.6912			
	N-GRNHS PLANTS IN CONTAINERS	13.8321	39	31.69	A
		8.1574	22	532,506.00	S
	TOTAL POUNDS ON THIS COMMODITY	21.9895			
	N-GRNHS TRANSPLANTS	0.4220		5,020.00	S
		0.2353	3	4.63	A
	TOTAL POUNDS ON THIS COMMODITY	0.6573			
	N-OUTDR FLOWER	1.7220	4	1.65	A
	N-OUTDR PLANTS IN CONTAINERS	4.3539	10	17.25	A
		3.4320	6	239,306.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.7859			
	N-OUTDR TRANSPLANTS	0.0259	1	0.23	A

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<b>KINOPRENE</b>					
	REGULATORY PEST CONTROL	0.0263			
	RESEARCH COMMODITY	0.3452			
	Chemical Total	65.0533	113		
<b>(S) -KINOPRENE</b>					
	LANDSCAPE MAINTENANCE	2.1578			
	N-GRNHS FLOWER	50.5020	81	1,156.19	A
		1.6962	7	220,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	52.1982			
	N-GRNHS PLANTS IN CONTAINERS	188.3957	354	14,084,078.00	S
		58.0020	137	180.39	A
	TOTAL POUNDS ON THIS COMMODITY	246.3977			
	N-GRNHS TRANSPLANTS	5.8951	5	6.63	A
		0.3882		5,940.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.2833			
	N-OUTDR FLOWER	14.5968	6	57.00	A
		0.3118	1	11,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.9086			
	N-OUTDR PLANTS IN CONTAINERS	24.0848	48	94.47	A
		8.2351	11	1,316,299.00	S
	TOTAL POUNDS ON THIS COMMODITY	32.3199			
	N-OUTDR TRANSPLANTS	1.7151	8	10.33	A
	REGULATORY PEST CONTROL	0.0329			
	RESEARCH COMMODITY	1.9115			
	STRUCTURAL PEST CONTROL	0.5185			
	Chemical Total	358.4435	658		
<b>KRESOXIM-METHYL</b>					
	APPLE	144.7125	22	1,092.04	A
	FORAGE HAY/SILAGE	0.9375	1	7.50	A
	GRAPE	1,308.9841	215	10,859.17	A
	GRAPE, WINE	5,567.2030	967	43,966.89	A
	N-GRNHS FLOWER	5.6969	48	103.77	A
		0.0319	4	12,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.7288			
	N-GRNHS PLANTS IN CONTAINERS	1.2532	14	8.06	A
		0.0041	3	9,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.2573			
	N-OUTDR FLOWER	5.5750	14	39.25	A
	N-OUTDR PLANTS IN CONTAINERS	0.1250	1	0.92	A
	PEAR	63.9250	14	531.00	A
	Chemical Total	7,098.4482	1,303		
<b>LACTOSE</b>					
	APPLE	0.3200	2	8.00	A
	AVOCADO	3.9750	4	56.50	A
	BROCCOLI	3.7143	4	110.00	A
	CAULIFLOWER	2.4543	2	72.70	A
	CHERRY	7.7600	4	82.00	A
	CITRUS	19.9909	22	306.50	A
	GRAPE	6.1600	12	304.00	A
	GRAPE, WINE	28.9478	28	815.70	A
	GRAPEFRUIT	20.8404	26	332.80	A
	LEMON	421.0991	174	4,267.79	A
	NECTARINE	6.5580	12	229.00	A
	OLIVE	223.7193	67	1,735.00	A
	ORANGE	2,982.4761	1,415	34,782.91	A
	PEACH	2.4000	3	60.00	A
	PLUM	2.7650	5	51.00	A
	STRAWBERRY	6.4125	9	108.00	A
	TANGELO	146.1624	70	1,672.00	A
	TANGERINE	29.3058	26	299.40	A
	Chemical Total	3,915.0609	1,885		

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<b>LAGENIDIUM GIGANTEUM (CALIFORNIA STRAIN)</b>					
	GRAPE, WINE	57.6000	3	24.10	A
	Chemical Total	57.6000	3		
<b>LAMBDA-CYHALOTHRIN</b>					
	ALFALFA	6,035.8264	3,667	215,929.18	A
	ALMOND	1,369.6529	908	54,289.21	A
	APPLE	3.6252	7	133.00	A
	APRICOT	181.8779	55	4,243.50	A
	ARTICHOKE, GLOBE	0.3990	1	13.40	A
	BARLEY	1.4343	1	48.00	A
	BEAN, DRIED	665.0367	389	22,646.23	A
	BEAN, SUCCULENT	271.2108	163	8,737.00	A
	BEAN, UNSPECIFIED	28.5863	17	950.60	A
	BOK CHOY	0.8817	15	32.15	A
	BROCCOLI	276.6633	547	10,070.18	A
	BRUSSELS SPROUT	25.6926	35	866.50	A
	CABBAGE	126.5249	435	4,782.30	A
	CAULIFLOWER	98.7358	204	3,740.85	A
	CELERY	0.1605	1	18.60	A
	CHERRY	10.3040	16	310.50	A
	CHICORY	0.0713	1	2.40	A
	CHINESE CABBAGE (NAPPA)	29.6791	214	1,073.56	A
	CHRISTMAS TREE	0.0816	5	2.50	A
	CORN (FORAGE - FODDER)	109.3612	101	3,950.70	A
	CORN, HUMAN CONSUMPTION	740.4694	773	23,986.20	A
	COTTON	327.4266	127	10,017.39	A
	EGGPLANT	0.5015	2	18.00	A
	ENDIVE (ESCAROLE)	2.7068	14	91.00	A
	FOOD PROCESSING PLANT	0.0001		0.05	P
	FUMIGATION, OTHER	0.4185			
	GAI LON	7.2770	15	268.00	A
	GARLIC	51.5237	13	1,993.40	A
	GRAPE, WINE	0.0392	1	25.00	A
	INDUSTRIAL SITE	0.0006		0.20	A
		0.0006		1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0012			
	KOHLRABI	0.0211	1	0.78	A
	LANDSCAPE MAINTENANCE	104.6121			
	LETTUCE, HEAD	2,246.7434	5,598	82,100.90	A
	LETTUCE, LEAF	2,053.8713	7,445	74,494.55	A
	N-GRNHS FLOWER	4.1256	43	83.50	A
	N-GRNHS PLANTS IN CONTAINERS	14.5961	79	157.91	A
		3.9953	87	3,640,611.00	S
		2.2497	2	20,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	20.8411			
	N-GRNHS TRANSPLANTS	0.0088	2	0.36	A
	N-OUTDR FLOWER	3.8964	59	111.25	A
		0.0653	2	207,429.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.9617			
	N-OUTDR PLANTS IN CONTAINERS	50.4183	191	1,430.69	A
		2.9279	19	553,313.00	S
	TOTAL POUNDS ON THIS COMMODITY	53.3462			
	N-OUTDR TRANSPLANTS	15.0813	46	502.68	A
	NECTARINE	4.3096	21	195.64	A
	ONION, DRY	600.3030	446	20,699.04	A
	ONION, GREEN	327.9773	1	10.00	A
	PEACH	400.0414	537	15,180.14	A
	PEAR	42.7058	42	1,244.80	A
	PEAS	23.1489	80	848.90	A
	PEPPER, FRUITING	78.7379	106	2,919.26	A
	PEPPER, SPICE	7.9010	18	309.50	A
	PLUM	27.6721	69	1,152.62	A
	PRUNE	86.4605	52	3,424.00	A
	PUBLIC HEALTH	0.0167			
	QUINCE	1.4142	5	40.00	A

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<b>LAMBDA-CYHALOTHRIN</b>					
	RESEARCH COMMODITY	18.3314			
		0.3109	3	50.00	A
	TOTAL POUNDS ON THIS COMMODITY	18.6423			
	RICE	1,428.3557	1,442	49,901.41	A
	RIGHTS OF WAY	2.1167			
	SOIL FUMIGATION/PREPLANT	4.1223	2	137.00	A
	SORGHUM (FORAGE - FODDER)	5.3597	2	180.00	A
	SORGHUM/MILO	8.9968	5	298.00	A
	SOYBEAN	20.0698	6	603.00	A
	STRUCTURAL PEST CONTROL	16,323.7912			
	SUDANGRASS	26.9479	28	931.80	A
	SUNFLOWER	136.2082	91	5,275.40	A
	TOMATO	131.4431	131	4,909.30	A
	TOMATO, PROCESSING	1,669.1283	901	60,669.30	A
	TURF/SOD	43.4515	48	1,314.40	A
	UNCULTIVATED AG	2.3169	1	77.00	A
	VERTEBRATE CONTROL	0.5416	1	18.00	A
		0.0318			
	TOTAL POUNDS ON THIS COMMODITY	0.5734			
	WALNUT	250.4975	198	8,095.61	A
	WHEAT	71.7812	34	2,654.00	A
	Chemical Total	36,613.2730	25,571		
<b>LAURIC ACID</b>					
	ALFALFA	1.9757	5	150.00	A
	ALMOND	712.7273	427	23,734.61	A
	APRICOT	1.7456	4	66.00	A
	BROCCOLI	0.7321	3	38.32	A
	CABBAGE	0.0231	1	1.30	A
	CAULIFLOWER	0.1947	2	22.00	A
	CELERY	5.1346	11	194.50	A
	CHICORY	0.1058	2	3.40	A
	CORN (FORAGE - FODDER)	14.6245	12	538.00	A
	COTTON	6.5760	3	211.90	A
	GRAPE	76.2485	116	5,286.20	A
	GRAPE, WINE	74.7068	111	5,645.37	A
	GRAPEFRUIT	0.1058	1	2.00	A
	LANDSCAPE MAINTENANCE	1.4679			
	LEMON	11.0652	5	105.10	A
	LETTUCE, HEAD	5.5017	19	234.60	A
	LETTUCE, LEAF	12.0314	58	642.56	A
	N-OUTDR FLOWER	0.8040	2	35.00	A
	NECTARINE	0.1100	1	17.00	A
	OLIVE	77.6779	58	975.00	A
	ONION, DRY	9.4179	4	300.80	A
	ORANGE	211.6941	148	3,332.05	A
	PEACH	21.5124	50	896.95	A
	PEAR	0.3570	2	18.00	A
	PISTACHIO	71.0585	38	2,107.90	A
	PRUNE	41.3685	36	1,739.80	A
	RAPPINI	1.7265	6	130.80	A
	RICE	1.1933	1	45.00	A
	RIGHTS OF WAY	1.3753			
	SQUASH, WINTER	1.4642	1	37.00	A
	STRAWBERRY	18.3109	26	383.80	A
	TANGELO	0.8463	1	30.00	A
	TOMATO, PROCESSING	2.5390	1	151.00	A
	UNCULTIVATED NON-AG	0.1851	1	14.00	A
	WALNUT	72.9243	101	2,507.65	A
	Chemical Total	1,459.5319	1,257		

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<b>LAURYL ALCOHOL</b>					
	APPLE	89.7981	66	1,136.68	A
	GRAPE, WINE	1.6895	1	30.00	A
	NECTARINE	6.4540	1	2.00	A
	PEACH	1.1442	1	74.00	A
	PEAR	189.4960	124	4,641.30	A
	WALNUT	6.5498	10	125.40	A
	Chemical Total	295.1316	203		
<b>LECITHIN</b>					
	ALFALFA	3,384.1519	926	93,461.63	A
	ALMOND	2,193.4269	281	17,387.47	A
	APPLE	15.4006	17	179.60	A
	APRICOT	28.1903	13	144.99	A
	ARTICHOKE, GLOBE	34.3663	11	290.00	A
	ASPARAGUS	109.2090	9	915.00	A
	AVOCADO	77.9982	149	590.50	A
	BARLEY	12.4985	5	375.00	A
	BEAN, DRIED	34.1954	9	420.00	A
	BEAN, SUCCULENT	197.4991	38	688.50	A
	BEAN, UNSPECIFIED	1.7721	1	37.50	A
	BERMUDAGRASS	4.5053	3	155.00	A
	BOK CHOY	0.9583	9	30.20	A
	BROCCOLI	3,420.7459	1,076	19,873.99	A
	CABBAGE	191.5058	216	1,967.33	A
	CANOLA (RAPE)	0.8560	5	71.00	A
	CANTALOUPE	447.9239	58	4,956.50	A
	CAULIFLOWER	346.4440	220	3,406.50	A
	CELERY	542.3812	417	5,822.16	A
	CHERRY	21.9447	7	112.04	A
	CHICORY	0.4806	1	5.00	A
	CHINESE CABBAGE (NAPPA)	5.9630	11	65.60	A
	CORN (FORAGE - FODDER)	110.6808	12	1,050.13	A
	CORN, HUMAN CONSUMPTION	1,734.5146	310	13,251.00	A
	COTTON	21,888.1488	1,981	343,353.83	A
	DATE	2.4967	1	20.00	A
	DITCH BANK	3.7545	6	10.00	A
	EGGPLANT	16.7073	5	95.00	A
	FIG	1.6820	1	9.00	A
	FORAGE HAY/SILAGE	16.7823	4	341.00	A
	GARLIC	33.2718	6	615.00	A
	GRAPE	629.9258	162	4,283.28	A
	GRAPE, WINE	4,815.1318	1,497	23,539.05	A
	GRAPEFRUIT	72.8360	8	120.00	A
	HORSERADISH	12.0442	3	200.00	A
	KALE	1.2951	7	15.40	A
	KIWI	31.9127	1	40.00	A
	LANDSCAPE MAINTENANCE	594.9052			
	LEMON	345.8961	28	731.00	A
	LETTUCE, HEAD	219.7846	178	2,253.15	A
	LETTUCE, LEAF	80.4977	137	1,798.17	A
	MELON	91.2778	8	878.50	A
	MINT	196.9578	41	1,885.69	A
	N-GRNHS FLOWER	293.7597	438	1,126.78	A
	N-GRNHS PLANTS IN CONTAINERS	47.8165	89	51.81	A
	N-GRNHS TRANSPLANTS	7.2931	62	47.03	A
	N-OUTDR FLOWER	519.7686	708	2,909.97	A
	N-OUTDR PLANTS IN CONTAINERS	698.2584	777	1,798.19	A
	N-OUTDR TRANSPLANTS	8.0913	90	26.39	A
	NECTARINE	564.2532	177	3,304.48	A
	OAT	7.5089	1	40.00	A
	OLIVE	10.3848	5	191.83	A
	ONION, DRY	295.6551	95	5,614.45	A
	ORANGE	1,854.8035	112	5,912.06	A
	PASTURELAND	123.1905	10	1,670.00	A
	PEACH	735.0257	154	3,221.40	A
	PEAR	27.7519	12	451.75	A
	PEAS	25.3847	5	132.00	A

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<b>LECITHIN</b>					
	PEPPER, FRUITING	397.1148	114	3,307.00	A
	PEPPER, SPICE	21.1975	5	218.20	A
	PISTACHIO	282.2398	19	2,782.00	A
	PLUM	187.2056	41	860.74	A
	POTATO	236.7981	41	2,604.00	A
	POULTRY	6.0467		10.00	A
	PRUNE	3.0036	2	16.00	A
	QUINCE	3.3940	2	24.00	A
	RANGELAND	149.3064	8	1,701.00	A
	RASPBERRY	9.9267	12	86.00	A
	REGULATORY PEST CONTROL	110.2002			
	RIGHTS OF WAY	4,973.1634			
		4.6930	5	9.19	A
	TOTAL POUNDS ON THIS COMMODITY	4,977.8564			
	RYEGRASS	0.8110	1	350.00	A
	SOIL FUMIGATION/PREPLANT	202.4091	38	6,125.50	A
	SQUASH, SUMMER	2.6281	1	20.00	A
	STRAWBERRY	3,178.7177	498	18,721.45	A
	STRUCTURAL PEST CONTROL	3.4241			
	SUDANGRASS	99.3865	13	1,502.60	A
	SUGARBEET	35.4719	6	485.00	A
	TOMATO	574.3271	77	3,349.50	A
	TOMATO, PROCESSING	5,405.8988	466	63,588.00	A
	TURF/SOD	26.0183	6	198.00	A
	UNCULTIVATED AG	513.0850	74	15,727.17	A
	UNCULTIVATED NON-AG	23.1574	4	134.00	A
	WALNUT	28.1857	8	325.19	A
	WATER AREA	2.0649	3	4.00	A
	WATERMELON	220.7007	16	1,034.00	A
	WHEAT	157.8104	55	4,571.00	A
	Chemical Total	64,050.2530	12,128		
<b>LIGNIN SULFONIC ACID, COPPER SALT</b>					
	AVOCADO	315.7736	1	22.50	A
	CELERY	463.1347	1	33.00	A
	PEPPER, FRUITING	799.9599	2	57.00	A
	Chemical Total	1,578.8682	4		
<b>LIGNIN SULFONIC ACID, ZINC SALT</b>					
	GRAPE	234.2183	4	147.65	A
	PEPPER, SPICE	60.0560	1	20.00	A
	PLUM	35.2829	3	30.00	A
	Chemical Total	329.5572	8		
<b>LIGNIN SULFONIC ACID, ZINC, MANGANESE &amp; IRON SALTS</b>					
	N-OUTDR FLOWER	83.3633	35	92.55	A
	Chemical Total	83.3633	35		
<b>LIME</b>					
	CORN (FORAGE - FODDER)	4.1860	4	166.00	A
	ORANGE	663.3200	13	404.00	A
	TOMATO, PROCESSING	48.3000	1	60.00	A
	Chemical Total	715.8060	18		
<b>LIME-SULFUR</b>					
	ALMOND	22,134.1253	23	815.00	A
	APPLE	34,015.8237	180	2,207.95	A
		0.0851	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	34,015.9088			
	BLACKBERRY	25,214.5252	148	1,027.09	A
	BLUEBERRY	214.7557	2	14.00	A
	BOYSENBERRY	1,460.3390	4	94.00	A
	CHERRY	24,564.4689	44	777.50	A

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<b>LIME-SULFUR</b>					
	GRAPE	143,879.9960	233	10,927.20	A
	GRAPE, WINE	132,826.0020	523	11,320.40	A
	LANDSCAPE MAINTENANCE	136.7660			
	N-GRNHS PLANTS IN CONTAINERS	7.6699	1	14,500.00	S
	N-OUTDR FLOWER	249.3002	1	6.00	A
	N-OUTDR PLANTS IN CONTAINERS	23.6000	11	62.62	A
		0.5849	1	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	24.1849			
	N-OUTDR TRANSPLANTS	23.5814	4	28.50	A
	NECTARINE	190.0487	19	41.81	A
	PEACH	1,967.9281	103	1,478.08	A
		0.0851	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,968.0132			
	PEAR	57,468.5494	80	1,885.56	A
	PLUM	33.7473	2	3.00	A
	RASPBERRY	37,048.0970	89	1,161.14	A
	RIGHTS OF WAY	0.0948			
	STRUCTURAL PEST CONTROL	0.1139			
	Chemical Total	481,460.2876	1,470		
<b>LIMONENE</b>					
	ALFALFA	13.1469	3	78.00	A
	ALMOND	715.1941	93	6,265.59	A
	APPLE	24.4166	19	379.92	A
	CHERRY	109.4750	87	1,655.33	A
	CORN (FORAGE - FODDER)	335.6171	7	498.00	A
	COTTON	395.0140	68	4,192.40	A
	GRAPE	105.1944	50	1,484.65	A
	GRAPE, WINE	49.1145	15	854.68	A
	GRAPEFRUIT	101.5109	14	227.50	A
	KIWI	2.3443	1	16.60	A
	LANDSCAPE MAINTENANCE	121.6367			
	LEMON	9.7894	13	150.00	A
	N-GRNHS PLANTS IN CONTAINERS	1.1780	1	19,250.00	S
	N-OUTDR PLANTS IN CONTAINERS	3.0738	1	2.00	A
	NECTARINE	650.8684	596	6,998.58	A
	OLIVE	162.7239	38	2,499.00	A
	ORANGE	416.5957	160	4,005.27	A
	PEACH	547.1688	587	6,206.50	A
	PERSIMMON	0.2824	1	8.00	A
	PISTACHIO	50.2407	22	802.04	A
	PLUM	348.1131	332	3,692.77	A
	POMEGRANATE	3.6724	2	13.00	A
	POTATO	8.8382	1	25.00	A
	PRUNE	4.2589	10	96.50	A
	RICE	17.3264	1	80.00	A
	RIGHTS OF WAY	127.3787			
	STRUCTURAL PEST CONTROL	8,878.1202			
	SUNFLOWER	405.0046	1	187.00	A
	TANGERINE	4.2367	1	10.00	A
	TOMATO, PROCESSING	47.4786	10	388.00	A
	TURNIP	7.0705	2	20.00	A
	UNCULTIVATED AG	7.7776	1	22.00	A
	WALNUT	611.7377	278	8,202.54	A
	WATER AREA	43.2721		18.25	A
	WHEAT	11.6725	3	120.00	A
	WHEAT (FORAGE - FODDER)	8.4733	3	120.00	A
	Chemical Total	14,349.0171	2,421		
<b>LINALOOL</b>					
	STRUCTURAL PEST CONTROL	174.2565			
	Chemical Total	174.2565			

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<b>LINDANE</b>					
	APPLE	0.0960	1	0.50	A
	BEAN, DRIED	120.4250		125,430.20	C
		18.0000		2,264.00	U
	TOTAL POUNDS ON THIS COMMODITY	138.4250			
	CANTALOUPE	0.0381		61.00	P
	CHERRY	1.5004	2	2.00	A
	CORN (FORAGE - FODDER)	504.9833	170	7,669.66	A
		17.5118	15	140.01	U
		0.1747		2,826.00	P
	TOTAL POUNDS ON THIS COMMODITY	522.6698			
	CORN, HUMAN CONSUMPTION	30.3194	40	1,376.21	A
		9.0000		545.50	U
	TOTAL POUNDS ON THIS COMMODITY	39.3194			
	COTTON	2.3575	1	18.86	U
		0.6875	2	88.00	A
	TOTAL POUNDS ON THIS COMMODITY	3.0450			
	CUCUMBER	0.9375	1	100.00	A
	LANDSCAPE MAINTENANCE	13.5693			
	LETTUCE, HEAD	31.6726	1	16.00	A
	N-GRNHS FLOWER	0.6154	1	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	10.1604	10	12.00	A
	SAFFLOWER	0.2813	1	36.00	A
	STRUCTURAL PEST CONTROL	10.5000			
	SUNFLOWER	2.4844	2	133.00	A
	Chemical Total	775.3146	247		
<b>LINURON</b>					
	ARRUGULA	0.5000	1	0.50	A
	ASPARAGUS	7,156.7380	195	7,901.30	A
	BEE	3.0938	3	4.65	A
	CARROT	55,620.1034	1,635	75,864.60	A
	CARROT (FORAGE - FODDER)	160.7500	9	346.00	A
	CELERY	5,181.6880	973	10,365.96	A
	CORN, HUMAN CONSUMPTION	15.5000	1	15.50	A
	ENDIVE (ESCAROLE)	8.0000	1	8.00	A
	LETTUCE, HEAD	1.5000	1	1.75	A
	MUSTARD	6.5000	4	6.50	A
	N-GRNHS FLOWER	0.7500	2	0.65	A
	N-OUTDR FLOWER	205.2400	48	200.74	A
	N-OUTDR PLANTS IN CONTAINERS	97.3625	20	90.90	A
	N-OUTDR TRANSPLANTS	332.6250	68	344.75	A
	POTATO	339.6500	9	392.18	A
	RADISH	0.5000	1	0.50	A
	RESEARCH COMMODITY	0.1051			
	RIGHTS OF WAY	133.5000			
	SORGHUM/MILO	0.2500	1	0.50	A
	TURNIP	1.7500	2	1.75	A
	UNCULTIVATED NON-AG	22.5000	1	18.00	A
	Chemical Total	69,288.6058	2,975		
<b>LION WASTE</b>					
	LANDSCAPE MAINTENANCE	0.0063			
	Chemical Total	0.0063			
<b>LYSOPHOSPHATIDYL ETHANOLAMINE</b>					
	CHERRY	6.3202	4	38.50	A
	GRAPE	2.0871	2	20.00	A
	PEPPER, FRUITING	1.7110	2	15.00	A
	Chemical Total	10.1183	8		
<b>MAGNESIUM CHLORIDE</b>					
	LANDSCAPE MAINTENANCE	41.8962			
	Chemical Total	41.8962			



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<b>MAGNESIUM PHOSPHIDE</b>					
	ALMOND	161.5114		1,894,872.00	C
		78.5976		1,561.82	T
	TOTAL POUNDS ON THIS COMMODITY	240.1090			
	BEAN, DRIED	2.9120		6,700.00	C
		1.7472		2,050.00	U
		0.2912		350.00	T
	TOTAL POUNDS ON THIS COMMODITY	4.9504			
	COMMODITY FUMIGATION	1,104.6863			
		288.2880	2	92,964.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,392.9743			
	DRIED FRUIT	16.7089		436,040.00	C
		1.3300		32,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	18.0389			
	FOOD PROCESSING PLANT	143.7085		863,890.00	C
	FUMIGATION, OTHER	372.8743			
	LANDSCAPE MAINTENANCE	3.8290			
	PRUNE	13.4400		620,600.00	U
	RICE	3.3600		12,000.00	C
	RIGHTS OF WAY	3.3152			
	SAFFLOWER	0.3850		9,000.00	C
	STORAGE AREA/BOX	3.3600		11,100.00	C
		2.8784	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	6.2384			
	STRUCTURAL PEST CONTROL	96.1177			
	SUNFLOWER	12.8660		182,436.00	C
		4.0824		30,000.00	P
	TOTAL POUNDS ON THIS COMMODITY	16.9484			
	UNKNOWN	5.4471		48,000.00	C
		0.0700			
		0.0158		224.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.5329			
	WALNUT	144.5850		45,504.00	C
		110.8513		4,882.10	T
		9.1280		360,000.00	U
		0.3667		127,000.00	P
	TOTAL POUNDS ON THIS COMMODITY	264.9310			
	WHEAT	33.6000		1,175.41	U
		0.3500		36,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	33.9500			
	Chemical Total	2,620.7030	3		
<b>MAGNESIUM SULFATE</b>					
	ALFALFA	9.0628	44	3,031.30	A
	ALMOND	756.2870	92	8,653.27	A
	APPLE	396.8013	39	4,359.00	A
	BEAN, DRIED	1.2527	2	150.80	A
	BEAN, SUCCULENT	3.1261	5	170.00	A
	BLUEBERRY	67.1960	24	1,989.20	A
	CHERRY	3.9139	2	63.00	A
	CORN (FORAGE - FODDER)	24.7834	8	402.20	A
	COTTON	23.0881	18	1,826.00	A
	GRAPE	72.4280	11	1,170.62	A
	GRAPE, WINE	54.3520	4	520.70	A
	MELON	1.1135	1	60.00	A
	N-OUTDR PLANTS IN CONTAINERS	4.3245	10	174.00	A
	N-OUTDR TRANSPLANTS	11.3715	10	163.40	A
	ONION, DRY	0.7600	2	109.00	A
	ORANGE	11.9602	3	139.00	A
	PECAN	3.1317	1	30.00	A
	PEPPER, FRUITING	16.8415	2	243.50	A
	PISTACHIO	858.6538	71	10,266.46	A
	PLUM	6.0880	3	60.00	A
	POMEGRANATE	0.3340	1	16.00	A
	RICE	1.7120	7	409.00	A
	SUGARBEET	0.1086	1	63.00	A
	TOMATO	0.4398	1	42.00	A
	TOMATO, PROCESSING	1.3000	2	264.58	A

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<b>MAGNESIUM SULFATE</b>					
	WALNUT	0.2784	1	38.00	A
	WATERMELON	1.6702	3	190.00	A
	WHEAT	0.2617	1	75.00	A
	Chemical Total	2,332.6407	369		
<b>MALATHION</b>					
	ALFALFA	97,282.8749	1,291	76,713.24	A
	ANIMAL PREMISE	234.2987		14.00	U
		3.8041		400.00	A
	TOTAL POUNDS ON THIS COMMODITY	238.1028			
	APPLE	4.9683	8	4.60	A
	ARRUGULA	119.0617	4	61.75	A
	ASPARAGUS	505.8836	5	413.86	A
	AVOCADO	264.9997	27	880.50	A
	BARLEY	1,326.9551	24	1,164.00	A
	BEAN, DRIED	400.0844	6	332.00	A
	BEAN, SUCCULENT	293.9140	21	224.40	A
	BEAN, UNSPECIFIED	171.3505	13	114.50	A
	BEET	80.5818	20	39.75	A
	BERMUDAGRASS	4,009.8662	29	3,031.00	A
	BLACKBERRY	1,373.6214	100	397.61	A
	BLUEBERRY	0.1002	1	0.10	A
	BOK CHOY	356.3924	48	177.61	A
	BROCCOLI	10,479.0410	426	5,336.60	A
		3.0664	4	170,910.00	S
	TOTAL POUNDS ON THIS COMMODITY	10,482.1074			
	BRUSSELS SPROUT	9.6024	2	8.00	A
	CABBAGE	1,512.0214	126	831.59	A
	CANOLA (RAPE)	318.7999	2	133.00	A
	CANTALOUPE	203.8972	3	118.00	A
	CARROT	2,896.7081	22	1,447.99	A
	CAULIFLOWER	812.3271	67	444.34	A
	CELERY	15,154.9135	1,067	10,382.71	A
	CHERRY	107.3716	4	26.00	A
	CHINESE CABBAGE (NAPPA)	4,281.0582	225	2,215.30	A
	CHINESE GREENS	109.1252	16	49.00	A
	CHIVE	11.7541	7	10.00	A
	CHRISTMAS TREE	343.4226	2	46.00	A
	CITRUS	20.5339	7	19.50	A
	CLOVER	117.4443	1	30.00	A
	COLLARD	68.7663	4	27.50	A
	COMMODITY FUMIGATION	95.2336			
	CORN (FORAGE - FODDER)	145.3704	2	170.00	A
	CORN, HUMAN CONSUMPTION	1,121.1997	39	1,258.40	A
	COTTON	2,291.9412	35	1,842.70	A
	CUCUMBER	440.6235	41	267.20	A
	DATE	7,382.6275	242	2,974.79	A
	EGGPLANT	36.3615	9	23.35	A
	ENDIVE (ESCAROLE)	408.5009	68	293.90	A
	FENNEL	56.8714	3	37.50	A
	FIG	2,257.0129	8	938.00	A
	FORAGE HAY/SILAGE	1,604.3474	21	1,303.50	A
	GAI CHOY	4.9249	4	4.10	A
	GAI LON	483.3854	24	260.80	A
	GARLIC	8,373.9783	41	4,348.00	A
	GRAPE	1,407.8711	16	537.22	A
	GRAPE, WINE	1,853.1820	43	1,070.13	A
	GRAPEFRUIT	2.2895	1	6.00	A
	KALE	752.0290	53	366.90	A
	KOHLRABI	13.3138	7	12.01	A
	LANDSCAPE MAINTENANCE	2,726.2769			
		1.2345	1	0.50	A
	TOTAL POUNDS ON THIS COMMODITY	2,727.5114			
	LEEK	36.0489	4	21.00	A
	LEMON	6,657.1691	11	281.50	A
	LETTUCE, HEAD	36,949.4228	1,982	22,903.56	A
	LETTUCE, LEAF	16,481.9291	1,226	10,655.04	A

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<b>MALATHION</b>					
	MELON	4.0884	4	1.10	A
	MINT	132.5609	30	140.56	A
	MIZUNA	86.4217	2	40.00	A
	MUSHROOM	2.6982	1	1.30	A
	MUSTARD	164.3175	53	104.81	A
	N-GRNHS FLOWER	279.5197	80	235.75	A
		80.5353	52	980,336.00	S
	TOTAL POUNDS ON THIS COMMODITY	360.0550			
	N-GRNHS PLANTS IN CONTAINERS	281.8049	226	222.26	A
		175.6211	114	4,172,962.00	S
		0.0342	1	200.00	U
	TOTAL POUNDS ON THIS COMMODITY	457.4602			
	N-GRNHS TRANSPLANTS	57.2202	39	52.51	A
		1.6494	6	12,047.00	S
		0.1705	4	2,866.00	U
	TOTAL POUNDS ON THIS COMMODITY	59.0401			
	N-OUTDR FLOWER	160.7538	97	221.00	A
		5.9641	11	45,200.00	S
		0.0093	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	166.7272			
	N-OUTDR PLANTS IN CONTAINERS	5,690.1825	1,367	3,604.69	A
		56.8836	65	886,398.00	S
		22.4040	63	79,515.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,769.4701			
	N-OUTDR TRANSPLANTS	170.5910	68	126.20	A
		18.3054	21	861,684.00	S
		11.4374	44	33,267.00	U
	TOTAL POUNDS ON THIS COMMODITY	200.3338			
	NECTARINE	78.4749	5	10.50	A
	OAT	516.8667	6	426.00	A
	OAT (FORAGE - FODDER)	85.6383	4	114.00	A
	OLIVE	28.4357	1	14.70	A
	ONION, DRY	8,112.0581	81	5,512.40	A
	ONION, GREEN	2,331.1997	207	1,185.44	A
	ORANGE	10,832.3212	335	9,782.90	A
	PARSLEY	38.3318	13	27.00	A
	PASTURELAND	445.3070	4	360.00	A
	PEACH	66.3032	6	17.25	A
	PEAR	124.0619	4	31.90	A
	PEAS	2,797.6839	211	2,117.00	A
	PECAN	124.3821	2	20.00	A
	PEPPER, FRUITING	678.3944	35	454.70	A
	PEPPER, SPICE	58.1112	1	40.00	A
	POTATO	776.7483	9	380.00	A
	PUBLIC HEALTH	9,797.8093			
	PUMPKIN	3,100.3139	106	2,126.00	A
	RADISH	16.1107	30	11.43	A
	RAPPINI	79.0634	5	37.20	A
	RASPBERRY	2,678.5856	122	1,483.30	A
	REGULATORY PEST CONTROL	27,621.8267			
		2,433.4013		4,150.00	U
		0.0342		200.00	S
	TOTAL POUNDS ON THIS COMMODITY	30,055.2622			
	RESEARCH COMMODITY	387.5618			
		0.5467	2	3.00	A
	TOTAL POUNDS ON THIS COMMODITY	388.1085			
	RICE, WILD	860.4438	7	791.00	A
	RIGHTS OF WAY	945.1710			
		0.7697	1	0.62	A
	TOTAL POUNDS ON THIS COMMODITY	945.9407			
	SORGHUM/MILO	46.2880	1	30.20	A
	SPINACH	976.0428	236	630.61	A
	SQUASH	582.5518	51	368.05	A
	SQUASH, SUMMER	630.5878	39	381.69	A
	SQUASH, WINTER	0.4893	1	0.20	A
	STRAWBERRY	91,394.7408	2,228	48,708.35	A
	STRUCTURAL PEST CONTROL	41,522.1219			
	SUNFLOWER	8.8818		166,510.00	K

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<b>MALATHION</b>					
	SWEET POTATO	211.1231	4	98.00	A
	SWISS CHARD	227.6155	41	122.66	A
	TANGELO	740.2769	6	143.00	A
	TANGERINE	990.3952	9	251.94	A
	TOMATILLO	26.8867	2	30.00	A
	TOMATO	8.9885	12	10.15	A
	TOMATO, PROCESSING	575.9287	8	474.00	A
	TROPICAL/SUBTROPICAL FRUIT	37.0335	5	15.00	A
	TURNIP	73.3245	31	49.50	A
	UNCULTIVATED AG	1.1843	1	2.00	A
	UNKNOWN	0.4801	1	0.50	A
	VERTEBRATE CONTROL	28.6185	1	14.00	A
		18.9868			
	TOTAL POUNDS ON THIS COMMODITY	47.6053			
	WALNUT	31,818.1125	386	8,187.06	A
		1.0222	2	16.00	U
	TOTAL POUNDS ON THIS COMMODITY	31,819.1347			
	WATERCRESS	504.9461	122	464.00	A
	WATERMELON	195.1899	6	131.60	A
	WHEAT	4,692.7279	61	4,567.80	A
	WHEAT (FORAGE - FODDER)	112.3866	1	117.00	A
	Chemical Total	492,307.8168	14,264		
<b>MALEIC HYDRAZIDE, DIETHANOLAMINE SALT</b>					
	GRAPE, WINE	3.1442	2	34.26	A
	LANDSCAPE MAINTENANCE	150.1992			
	RIGHTS OF WAY	15.1924			
	Chemical Total	168.5358	2		
<b>MALEIC HYDRAZIDE, POTASSIUM SALT</b>					
	CARROT	300.1087	1	76.50	A
	ONION, DRY	4,097.2451	90	2,502.20	A
	ONION, GREEN	68.6178	1	26.00	A
	POTATO	38,609.5913	200	11,598.14	A
	Chemical Total	43,075.5629	292		
<b>MALIC ACID</b>					
	ALFALFA	12.7466	78	5,568.20	A
	ALMOND	101.6039	150	10,379.14	A
	APPLE	0.0100	1	1.75	A
	APRICOT	0.1839	1	18.43	A
	BEAN, DRIED	0.5959	11	459.00	A
	CORN (FORAGE - FODDER)	0.4478	1	90.00	A
	COTTON	7.8726	72	4,616.10	A
	GRAPE	17.4454	44	2,051.62	A
	GRAPE, WINE	0.1999	1	80.00	A
	N-OUTDR FLOWER	0.1150	13	47.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.1393	4	21.27	A
	ONION, DRY	0.2183	2	109.00	A
	PEACH	1.5154	5	160.27	A
	PISTACHIO	0.0400	1	8.00	A
	PLUM	6.6317	15	823.24	A
	UNCULTIVATED AG	0.0800	5	80.00	A
	WALNUT	3.9984	1	125.00	A
	Chemical Total	153.8441	405		
<b>MANCOZEB</b>					
	APPLE	13,232.6837	342	5,415.10	A
	ARTICHOKE, GLOBE	0.0200	1	4.20	A
	BEAN, SUCCULENT	3.7500	2	6.00	A
	BROCCOLI	3.7500	1	1.00	A
	CARROT	79.8000	1	80.00	A
	CHERRY	6.7500	1	1.50	A
	CHRISTMAS TREE	33.7500	1	12.00	A

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<b>MANCOZEB</b>					
	COTTON	75.0000	1	50.00	A
	CUCUMBER	30.7500	14	14.00	A
	DANDELION GREEN	105.0000	1	70.00	A
	FENNEL	1,228.7070	81	821.12	A
	FORAGE HAY/SILAGE	94.9850	3	49.50	A
	GRAPE	48,618.6911	835	34,595.43	A
	GRAPE, WINE	25,577.4272	826	19,719.73	A
	LANDSCAPE MAINTENANCE	45,160.4835			
	N-GRNHS FLOWER	1,045.2608	449	1,043.79	A
		123.3175	84	3,293,044.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,168.5783			
	N-GRNHS PLANTS IN CONTAINERS	1,061.8874	633	724.77	A
		316.5680	249	6,507,416.00	S
		0.8256	5	12,664.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,379.2810			
	N-GRNHS TRANSPLANTS	348.8957	144	357.13	A
		62.9702	82	1,135,245.00	S
		4.2188	1	30.00	U
	TOTAL POUNDS ON THIS COMMODITY	416.0847			
	N-OUTDR FLOWER	9,510.3976	1,945	10,006.98	A
		11.9769	22	368,772.00	S
		11.8751		41.70	P
	TOTAL POUNDS ON THIS COMMODITY	9,534.2496			
	N-OUTDR PLANTS IN CONTAINERS	10,748.9071	1,338	7,770.32	A
		154.2729	119	2,397,253.00	S
		35.3782	17	1,960,900.00	U
	TOTAL POUNDS ON THIS COMMODITY	10,938.5582			
	N-OUTDR TRANSPLANTS	657.1553	162	598.53	A
		54.5794	38	792,515.00	S
	TOTAL POUNDS ON THIS COMMODITY	711.7347			
	OAT (FORAGE - FODDER)	10.1250	1	9.00	A
	ONION, DRY	51,633.6316	620	31,596.31	A
	ONION, GREEN	10.7250	3	8.00	A
	PEAR	33,345.1188	365	10,543.02	A
	POTATO	46,099.6501	728	40,928.06	A
		560.7600		35,000.00	C
		516.7800		28,800.00	U
		300.0000		20,000.00	T
	TOTAL POUNDS ON THIS COMMODITY	47,477.1901			
	QUINCE	60.0000	1	40.00	A
	RESEARCH COMMODITY	87.2666			
		2.0113	3	0.61	A
	TOTAL POUNDS ON THIS COMMODITY	89.2779			
	RIGHTS OF WAY	1.6000			
	SOIL FUMIGATION/PREPLANT	38.6250	2	103.00	A
	SQUASH	48.0000	1	30.00	A
	STRUCTURAL PEST CONTROL	1,013.1845			
	SUGARBEET	819.3750	10	546.10	A
	TOMATO	16,883.2082	257	13,711.50	A
	TOMATO, PROCESSING	14,869.0277	108	9,433.40	A
	TURF/SOD	54,090.5070	440	5,308.28	A
		0.8000		12,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	54,091.3070			
	UNCULTIVATED NON-AG	1.8000	1	0.06	A
	VERTEBRATE CONTROL	138.8000	23	38.00	A
	WHEAT	277.7500	2	190.00	A
	WHEAT (FORAGE - FODDER)	90.0000	1	60.00	A
	Chemical Total	379,298.7798	9,964		
<b>MANEB</b>					
	ALMOND	120,543.7468	596	37,857.57	A
	APPLE	82.6702	4	35.50	A
	BEAN, DRIED	42.0000	2	28.00	A
	BOK CHOY	918.8133	447	838.98	A
	BROCCOLI	7,093.6114	329	5,617.75	A
		8.7309	12	417,960.00	S
	TOTAL POUNDS ON THIS COMMODITY	7,102.3423			

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<b>MANEB</b>					
	BRUSSELS SPROUT	900.9586	61	745.74	A
	CABBAGE	4,059.0515	469	3,122.57	A
	CANTALOUPE	39.9132	1	64.00	A
	CAULIFLOWER	1,391.6760	101	926.29	A
	CELERY	96.7259	6	74.17	A
	CHINESE CABBAGE (NAPPA)	4,987.5732	866	4,170.26	A
	COLLARD	1.1974	1	1.00	A
	CORN, HUMAN CONSUMPTION	67.6336	1	45.00	A
	CUCUMBER	4.7397	2	4.00	A
	EGGPLANT	99.7830	1	10.00	A
	ENDIVE (ESCAROLE)	709.0307	185	506.91	A
	GRAPE	1,538.4484	49	1,707.16	A
	GRAPE, WINE	1,685.9897	9	710.88	A
	KOHLRABI	43.9553	43	40.08	A
	LANDSCAPE MAINTENANCE	67.9025			
	LETTUCE, HEAD	322,580.7580	16,624	232,097.66	A
		3.4119	17	167,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	322,584.1699			
	LETTUCE, LEAF	218,933.2164	14,050	153,611.99	A
		0.0811	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	218,933.2975			
	MELON	30.5924	2	20.50	A
	N-GRNHS FLOWER	26.3027	16	11.02	A
	N-GRNHS PLANTS IN CONTAINERS	115.9308	56	120.46	A
		11.1626	9	297,871.00	S
	TOTAL POUNDS ON THIS COMMODITY	127.0934			
	N-GRNHS TRANSPLANTS	561.9178	566	512.28	A
		153.3919	202	4,082,260.00	S
		6.1875	1	22.00	U
	TOTAL POUNDS ON THIS COMMODITY	721.4972			
	N-OUTDR FLOWER	1,507.0424	99	245.71	A
	N-OUTDR PLANTS IN CONTAINERS	672.4141	69	431.66	A
	N-OUTDR TRANSPLANTS	1,278.1550	365	1,041.00	A
		789.7576	315	19,559,313.86	S
	TOTAL POUNDS ON THIS COMMODITY	2,067.9126			
	ONION, DRY	33,193.0941	453	20,815.68	A
	ONION, GREEN	4,383.7796	399	2,862.81	A
	PEACH	45.2142	2	25.00	A
	PEPPER, FRUITING	1,177.3944	19	1,003.75	A
	POTATO	10,891.9072	166	9,707.70	A
	PRUNE	16.2846	1	9.00	A
	PUMPKIN	36.7202	3	32.00	A
	RESEARCH COMMODITY	5.7800			
	RIGHTS OF WAY	1,076.5412			
	SOIL FUMIGATION/PREPLANT	4.7896	1	4.00	A
	SPINACH	521.8400	49	271.65	A
	SQUASH	98.1066	2	65.54	A
	SQUASH, SUMMER	12.0000	1	8.00	A
	TOMATO	1,882.8114	53	1,534.30	A
	TOMATO, PROCESSING	7,272.1688	77	9,624.70	A
	TURF/SOD	14,372.7767	67	1,195.45	A
	UNKNOWN	29.9349	1	15.00	A
	VERTEBRATE CONTROL	75.4500	3	50.30	A
	WALNUT	187,630.4720	3,136	108,973.80	A
	Chemical Total	953,781.5390	40,010		
<b>MANGANESE SULFATE</b>					
	ALFALFA	79.1890	108	6,672.70	A
	ALMOND	112.4157	24	1,764.00	A
	APPLE	63.8935	25	277.50	A
	ARTICHOKE, GLOBE	22.3284	17	235.38	A
	BEAN, SUCCULENT	3.1334	2	162.00	A
	CABBAGE	1.2139	7	128.00	A
	CANTALOUPE	8.0754	5	380.00	A
	CORN (FORAGE - FODDER)	0.6963	4	72.00	A
	COTTON	143.0695	220	14,227.67	A
	EGGPLANT	0.1209	1	10.00	A

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<b>MANGANESE SULFATE</b>					
	FENNEL	3.3081	12	17.32	A
	FORAGE HAY/SILAGE	2.8645	1	7.50	A
	GRAPE	34.9600	6	273.00	A
	GRAPE, WINE	695.6036	164	3,118.52	A
	LANDSCAPE MAINTENANCE	113.9452			
	LEMON	2.8920	3	59.50	A
	LETTUCE, HEAD	6.3086	18	516.50	A
	LETTUCE, LEAF	6.9724	7	131.30	A
	MELON	1.9004	6	84.00	A
	N-GRNHS FLOWER	29.0386	58	39.16	A
	N-GRNHS PLANTS IN CONTAINERS	0.3898	11	37,200.00	S
		0.0836	4	1.02	A
	TOTAL POUNDS ON THIS COMMODITY	0.4734			
	N-GRNHS TRANSPLANTS	0.1790	2	1.95	A
	N-OUTDR FLOWER	38.9249	22	325.25	A
		3.0674		41.70	P
		0.0875	1	32,670.00	S
	TOTAL POUNDS ON THIS COMMODITY	42.0798			
	N-OUTDR PLANTS IN CONTAINERS	294.4990	41	604.12	A
		0.0099	2	16,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	294.5089			
	N-OUTDR TRANSPLANTS	4.2967	4	45.00	A
		2.8048	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.1015			
	NECTARINE	5.9179	6	81.00	A
	ONION, DRY	120.7846	22	731.26	A
	ORANGE	10.6382	7	55.00	A
	PEACH	4.9244	6	69.90	A
	PEAR	5.4810	1	26.10	A
	PEPPER, FRUITING	7.1368	8	579.00	A
	PEPPER, SPICE	7.5870	1	20.00	A
	PLUM	5.9880	6	152.20	A
	POMEGRANATE	0.4642	1	16.00	A
	POTATO	594.2994	154	3,640.00	A
	RESEARCH COMMODITY	7.1225			
	RICE	0.0054	1	150.00	A
	SORGHUM/MILO	0.6692	2	138.00	A
	TOMATO	29.8651	5	107.30	A
	TOMATO, PROCESSING	134.6759	21	839.80	A
	TURF/SOD	801.3534	40	485.55	A
	WALNUT	11.3827	8	159.00	A
	WATERMELON	1.5079	4	159.00	A
	WHEAT	0.5956	2	126.00	A
	Chemical Total	3,426.6712	1,071		
<b>MCPA</b>					
	LANDSCAPE MAINTENANCE	43.1389			
	Chemical Total	43.1389			
<b>MCPA, BUTOXYETHANOL ESTER</b>					
	GRAPE, WINE	40.6332	1	18.50	A
	Chemical Total	40.6332	1		
<b>MCPA, DIMETHYLAMINE SALT</b>					
	ALFALFA	1,029.6179	14	573.50	A
	BARLEY	7,339.6682	176	10,890.75	A
	BARLEY (FORAGE - FODDER)	655.7933	17	1,058.00	A
	BEAN, DRIED	46.5101	1	82.00	A
	CORN (FORAGE - FODDER)	19.3792	1	35.00	A
	FLAX	8.6114	1	30.00	A
	FORAGE HAY/SILAGE	1,319.2723	46	2,220.86	A
	GRAIN	106.1642	5	235.00	A
	LANDSCAPE MAINTENANCE	5,050.1004			
		0.0319	2	1.25	A
	TOTAL POUNDS ON THIS COMMODITY	5,050.1323			

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<b>MCPA, DIMETHYLAMINE SALT</b>					
	N-OUTDR PLANTS IN CONTAINERS	67.7584	20	163.90	A
	N-OUTDR TRANSPLANTS	8.2977	1	18.00	A
	OAT	7,424.3084	248	12,254.95	A
	OAT (FORAGE - FODDER)	34,243.7833	1,163	55,389.16	A
	PASTURELAND	147.6873	9	211.00	A
	PEAS	283.5631	9	710.00	A
	RANGELAND	438.9135	8	787.00	A
	REGULATORY PEST CONTROL	4.5323			
	RESEARCH COMMODITY	110.2348			
	RICE	3,390.9376	199	13,597.95	A
	RIGHTS OF WAY	622.3377			
		135.9696	3	40.00	A
	TOTAL POUNDS ON THIS COMMODITY	758.3073			
	RYE	247.7569	7	242.00	A
	RYEGRASS	403.9666	8	554.10	A
	SAFFLOWER	49.8766	1	62.00	A
	STRUCTURAL PEST CONTROL	45.3407			
	TOMATO, PROCESSING	53.7812	1	70.00	A
	UNCULTIVATED AG	1,228.1578	22	1,691.80	A
	UNCULTIVATED NON-AG	3.4606	1	10.00	A
	UNKNOWN	3.6618	1	2.00	A
	WHEAT	111,045.1966	2,033	152,147.91	A
	WHEAT (FORAGE - FODDER)	25,463.1086	827	42,835.18	A
	Chemical Total	200,997.7800	4,824		
<b>MCPA, 2-ETHYL HEXYL ESTER</b>					
	LANDSCAPE MAINTENANCE	664.6429			
		18.9292	1	11.00	A
	TOTAL POUNDS ON THIS COMMODITY	683.5721			
	RIGHTS OF WAY	7.0555	3	8.09	A
	TURF/SOD	82.1703	11	76.00	A
	Chemical Total	772.7979	15		
<b>MCPA, ISOCTYL ESTER</b>					
	LANDSCAPE MAINTENANCE	5,841.0332			
	N-OUTDR PLANTS IN CONTAINERS	23.5934	5	20.00	A
	RIGHTS OF WAY	2.8852			
	STRUCTURAL PEST CONTROL	140.8894			
	Chemical Total	6,008.4012	5		
<b>MCPA, SODIUM SALT</b>					
	N-OUTDR TRANSPLANTS	0.7200	1	2.00	A
	OAT	93.9883	13	296.00	A
	Chemical Total	94.7083	14		
<b>MCPP</b>					
	LANDSCAPE MAINTENANCE	259.4053			
		1.4030	1	60.00	A
	TOTAL POUNDS ON THIS COMMODITY	260.8083			
	RIGHTS OF WAY	1.4137			
	Chemical Total	262.2220	1		
<b>MCPP, DIETHANOLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	0.0063			
	Chemical Total	0.0063			
<b>MCPP, DIMETHYLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	3,492.7899			
		0.0722	1	15.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,492.8621			
	N-OUTDR PLANTS IN CONTAINERS	367.7838	32	488.49	A
	N-OUTDR TRANSPLANTS	12.8403	3	30.00	A



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<b>MCPP, DIMETHYLAMINE SALT</b>					
	PEAR	0.2720	1	9.00	A
	RIGHTS OF WAY	110.9724			
	STRUCTURAL PEST CONTROL	16.4713			
	TURF/SOD	1,344.8908	149	2,306.78	A
	VERTEBRATE CONTROL	0.8768			
	Chemical Total	5,346.9695	186		
<b>MCPP, POTASSIUM SALT</b>					
	LANDSCAPE MAINTENANCE	2,379.4157			
	N-OUTDR PLANTS IN CONTAINERS	0.1301	1	0.50	A
	N-OUTDR TRANSPLANTS	24.0799	2	11.25	A
	RIGHTS OF WAY	8.2390			
	STRUCTURAL PEST CONTROL	7.4092			
	TURF/SOD	51.8644	3	29.80	A
	Chemical Total	2,471.1383	6		
<b>MCPP-P, DIMETHYLAMINE SALT</b>					
	GRAPE, WINE	0.1366	2	2.00	A
	LANDSCAPE MAINTENANCE	3,049.0790			
		25.5589	3	56.50	A
	TOTAL POUNDS ON THIS COMMODITY	3,074.6379			
	N-OUTDR PLANTS IN CONTAINERS	18.1217	4	47.25	A
		0.0374	1	20,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	18.1591			
	N-OUTDR TRANSPLANTS	70.8712	5	186.00	A
	RECREATION AREA	0.7826	1	4.00	A
	RIGHTS OF WAY	21.6004			
	STRUCTURAL PEST CONTROL	13.3361			
	TURF/SOD	72.7867	9	218.70	A
	Chemical Total	3,272.3106	25		
<b>MECOPROP-P</b>					
	LANDSCAPE MAINTENANCE	1,026.0468			
		2.4865	2	17.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,028.5333			
	N-OUTDR PLANTS IN CONTAINERS	0.2074	1	0.10	A
		0.0000	1	0.25	S
	TOTAL POUNDS ON THIS COMMODITY	0.2074			
	PUBLIC HEALTH	0.3989	1	8.00	A
	RIGHTS OF WAY	7.5347			
		0.9059	3	8.09	A
	TOTAL POUNDS ON THIS COMMODITY	8.4406			
	STRUCTURAL PEST CONTROL	12.3335			
	TURF/SOD	52.4114	87	852.20	A
		0.0491	1	21,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	52.4605			
	Chemical Total	1,102.3742	96		
<b>MEFENOXAM</b>					
	ALFALFA	256.2166		857.63	T
		14.9328		99,207.00	P
		5.8547	1	40.00	A
		3.7332		25,623.00	U
	TOTAL POUNDS ON THIS COMMODITY	280.7373			
	ALMOND	116.2819	22	328.06	A
	ARTICHOKE, GLOBE	48.9608	4	177.00	A
	ASPARAGUS	288.3992	46	987.50	A
	AVOCADO	15.8135	34	304.50	A
		0.1823	1	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	15.9958			
	BEAN, DRIED	20.6613		6,802.00	C
		19.7113		1,046.60	T
		3.6334	1	105.00	A
	TOTAL POUNDS ON THIS COMMODITY	44.0060			

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<b>MEFENOXAM</b>					
	BEAN, SUCCULENT	103.6007	24	556.70	A
	BEAN, UNSPECIFIED	0.2498	1	2.00	A
	BEET	59.0546	17	103.58	A
		2.3360		31,029.74	P
	TOTAL POUNDS ON THIS COMMODITY	61.3906			
	BLUEBERRY	11.4108	3	65.00	A
	BOK CHOY	55.9460	146	299.30	A
	BROCCOLI	522.3680	526	7,197.90	A
	CABBAGE	50.2088	44	735.10	A
	CANTALOUPE	1,024.2918	89	5,244.30	A
	CARROT	19,216.1189	1,571	102,373.93	A
		0.6599		4,426.10	P
	TOTAL POUNDS ON THIS COMMODITY	19,216.7788			
	CARROT (FORAGE - FODDER)	96.4228	8	266.00	A
	CAULIFLOWER	220.2958	163	1,778.69	A
	CELERY	3.2574	2	26.00	A
	CHERRY	61.3845	5	99.50	A
	CHINESE CABBAGE (NAPPA)	35.4483	68	285.10	A
	CHINESE GREENS	5.3280	26	200.00	A
	COLLARD	43.5425	92	356.55	A
	COMMODITY FUMIGATION	1,789.7631			
	CORN, HUMAN CONSUMPTION	0.0155		1,148.00	P
	COTTON	656.7280		6,087.60	T
		51.5715	8	742.90	A
	TOTAL POUNDS ON THIS COMMODITY	708.2995			
	CUCUMBER	8.2309		94,435.95	P
		3.2253	5	27.00	A
	TOTAL POUNDS ON THIS COMMODITY	11.4562			
	EGGPLANT	4.1217	3	35.00	A
	ENDIVE (ESCAROLE)	0.0008		5.51	P
	FUMIGATION, OTHER	6.8691			
	GAI LON	6.6022	16	106.00	A
	GRAPE	0.9750	2	25.00	A
	GRAPE, WINE	0.0031	1	2.00	A
	GRAPEFRUIT	0.3902	2	4.00	A
	GREENHOUSE FUMIGATION	0.0383	1	0.46	A
		0.0153	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0536			
	KALE	79.3944	84	635.64	A
	LANDSCAPE MAINTENANCE	1,354.1293			
	LEEK	4.8498	11	37.50	A
	LEMON	22.2806	14	581.06	A
	LETTUCE, HEAD	857.7047	466	7,262.59	A
	LETTUCE, LEAF	1,237.1656	645	8,339.18	A
		0.0290		194.54	P
	TOTAL POUNDS ON THIS COMMODITY	1,237.1946			
	MELON	32.2047	39	1,207.75	A
	MUSTARD	11.4356	23	78.47	A
	N-GRNHS FLOWER	63.6933	541	875.70	A
		8.7439	108	1,576,156.16	S
	TOTAL POUNDS ON THIS COMMODITY	72.4372			
	N-GRNHS PLANTS IN CONTAINERS	393.3346	1,930	1,206.02	A
		79.4937	957	23,185,721.00	S
		1.1432	15	229,375.00	U
	TOTAL POUNDS ON THIS COMMODITY	473.9715			
	N-GRNHS TRANSPLANTS	18.1528	119	243.70	A
		17.7902	557	5,375,817.00	S
		0.0306	1	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	35.9736			
	N-OUTDR FLOWER	181.4688	399	1,053.67	A
		3.1655	55	1,849,972.00	S
	TOTAL POUNDS ON THIS COMMODITY	184.6343			
	N-OUTDR PLANTS IN CONTAINERS	1,479.5180	3,382	8,326.02	A
		103.3670	450	7,509,900.00	S
		13.7560	88	57,004.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,596.6410			

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<b>MEFENOXAM</b>					
	N-OUTDR TRANSPLANTS	769.1764	381	1,308.09	A
		40.1467	645	5,068,770.00	S
		0.0918	1	5,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	809.4149			
	OKRA	1.4468		19,335.20	P
	OLIVE	15.2578	3	44.10	A
	ONION, DRY	3,341.9902	835	37,570.73	A
		0.1804		1,205.30	P
	TOTAL POUNDS ON THIS COMMODITY	3,342.1706			
	ONION, GREEN	102.0068	92	751.51	A
	ORANGE	2,130.9273	269	6,703.60	A
	PARSLEY	20.1188	15	77.60	A
	PARSNIP	19.9840	2	80.16	A
	PEAS	17.6858	14	86.20	A
	PEPPER, FRUITING	1,949.2409	301	9,799.44	A
	PEPPER, SPICE	51.5887	7	184.00	A
	PISTACHIO	18.8651	22	37.05	A
	POTATO	1,041.6374	202	12,079.09	A
	PUMPKIN	118.6505	13	786.20	A
	RADISH	257.4170	160	842.01	A
	RAPPINI	343.0068	238	3,992.20	A
	RASPBERRY	111.6225	16	247.60	A
	REGULATORY PEST CONTROL	5.8765			
	RESEARCH COMMODITY	4.3346			
		0.0153	1	0.02	A
	TOTAL POUNDS ON THIS COMMODITY	4.3499			
	RICE	1.5796		79.70	T
	RIGHTS OF WAY	9.2682			
	SOIL FUMIGATION/PREPLANT	57.4725		80,161.00	C
	SPINACH	9,631.5819	1,960	16,333.77	A
		98.4605		726,664.81	P
		1.9984	1	4.00	?
	TOTAL POUNDS ON THIS COMMODITY	9,732.0408			
	SQUASH	5.1732	8	63.50	A
	SQUASH, SUMMER	3.3110	7	55.00	A
	SQUASH, WINTER	11.9529	1	66.00	A
	STRAWBERRY	4,042.0340	315	9,469.13	A
	STRUCTURAL PEST CONTROL	57.2392			
	SUNFLOWER	3,074.0610		2,033,027.00	K
	SWISS CHARD	17.1344	41	79.96	A
	TANGELO	2.9664	4	36.50	A
	TANGERINE	318.0454	19	1,684.53	A
	TOMATO	1,312.9236	276	12,505.49	A
	TOMATO, PROCESSING	4,219.8865	449	39,177.48	A
	TURF/SOD	816.4493	97	1,971.36	A
	UNKNOWN	0.4260	1	48,500.00	S
	VEGETABLES, LEAFY	5.9952	1	12.00	A
	WALNUT	13.4692	2	41.00	A
	WATERMELON	508.9809	80	2,319.91	A
	WHEAT	80.3278		2,780.00	T
	Chemical Total	65,449.7121	19,296		
<b>MEFENOXAM, OTHER RELATED</b>					
	ALFALFA	7.9324		857.63	T
		0.4623		99,207.00	P
		0.1722	1	40.00	A
		0.1156		25,623.00	U
	TOTAL POUNDS ON THIS COMMODITY	8.6825			
	ALMOND	3.4274	22	328.06	A
	ARTICHOKE, GLOBE	1.4400	4	177.00	A
	ASPARAGUS	8.4823	46	987.50	A
	AVOCADO	0.4651	34	304.50	A
		0.0053	1	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4704			

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<b>MEFENOXAM, OTHER RELATED</b>					
	BEAN, DRIED	0.6103		1,046.60	T
		0.3272		5,327.00	C
		0.1069	1	105.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.0444			
	BEAN, SUCCULENT	3.0471	24	556.70	A
	BEAN, UNSPECIFIED	0.0073	1	2.00	A
	BEET	1.7369	17	103.58	A
		0.0723		31,029.74	P
	TOTAL POUNDS ON THIS COMMODITY	1.8092			
	BLUEBERRY	0.3356	3	65.00	A
	BOK CHOY	1.6447	146	299.30	A
	BROCCOLI	12.8156	524	7,173.90	A
	CABBAGE	1.1720	44	735.10	A
	CANTALOUPE	29.9601	89	5,244.30	A
	CARROT	537.5113	1,475	97,170.87	A
		0.0204		4,426.10	P
	TOTAL POUNDS ON THIS COMMODITY	537.5317			
	CARROT (FORAGE - FODDER)	2.8360	8	266.00	A
	CAULIFLOWER	5.8088	162	1,755.19	A
	CELERY	0.0958	2	26.00	A
	CHERRY	0.5936	4	19.50	A
	CHINESE CABBAGE (NAPPA)	1.0400	68	285.10	A
	CHINESE GREENS	0.1220	26	200.00	A
	COLLARD	1.2807	92	356.55	A
	COMMODITY FUMIGATION	55.3853			
	CORN, HUMAN CONSUMPTION	0.0002		574.00	P
	COTTON	19.8148		5,979.20	T
		1.5598	7	669.00	A
	TOTAL POUNDS ON THIS COMMODITY	21.3746			
	CUCUMBER	0.2346		85,991.75	P
		0.0875	5	27.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.3221			
	EGGPLANT	0.1212	3	35.00	A
	ENDIVE (ESCAROLE)	0.0000		5.51	P
	FUMIGATION, OTHER	0.2127			
	GAI LON	0.1501	16	106.00	A
	GRAPE	0.0250	2	25.00	A
	GRAPEFRUIT	0.0105	1	3.00	A
	GREENHOUSE FUMIGATION	0.0013	1	0.46	A
		0.0005	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0018			
	KALE	2.3351	84	635.64	A
	LANDSCAPE MAINTENANCE	42.8747			
	LEEK	0.1280	11	37.50	A
	LEMON	0.6319	13	578.06	A
	LETTUCE, HEAD	25.2266	466	7,262.59	A
	LETTUCE, LEAF	35.9317	637	8,140.48	A
		0.0009		194.54	P
	TOTAL POUNDS ON THIS COMMODITY	35.9326			
	MELON	0.9294	39	1,207.75	A
	MUSTARD	0.3363	23	78.47	A
	N-GRNHS FLOWER	2.0497	526	825.70	A
		0.2694	96	1,554,856.16	S
	TOTAL POUNDS ON THIS COMMODITY	2.3191			
	N-GRNHS PLANTS IN CONTAINERS	12.7222	1,882	1,192.44	A
		2.4462	878	18,810,628.00	S
		0.0376	15	229,375.00	U
	TOTAL POUNDS ON THIS COMMODITY	15.2060			
	N-GRNHS TRANSPLANTS	0.5319	555	5,365,817.00	S
		0.5129	118	243.45	A
		0.0010	1	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.0458			
	N-OUTDR FLOWER	5.6964	363	971.92	A
		0.0999	54	1,829,229.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.7963			

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<b>MEFENOXAM, OTHER RELATED</b>					
	N-OUTDR PLANTS IN CONTAINERS	47.5352	3,339	8,238.08	A
		3.3144	422	6,841,842.00	S
		0.4100	88	57,004.00	U
	TOTAL POUNDS ON THIS COMMODITY	51.2596			
	N-OUTDR TRANSPLANTS	23.8169	355	1,265.74	A
		1.2646	645	5,068,770.00	S
		0.0030	1	5,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	25.0845			
	OKRA	0.0448		19,335.20	P
	OLIVE	0.4488	3	44.10	A
	ONION, DRY	80.2234	835	37,570.73	A
		0.0056		1,205.30	P
	TOTAL POUNDS ON THIS COMMODITY	80.2290			
	ONION, GREEN	2.1482	79	681.46	A
	ORANGE	24.4598	76	1,948.24	A
	PARSLEY	0.5917	15	77.60	A
	PARSNIP	0.5878	2	80.16	A
	PEAS	0.5202	14	86.20	A
	PEPPER, FRUITING	51.7805	246	8,320.84	A
	PEPPER, SPICE	1.5173	7	184.00	A
	PISTACHIO	0.5549	22	37.05	A
	POTATO	25.6418	200	11,936.09	A
	PUMPKIN	3.4737	13	786.20	A
	RADISH	7.8700	160	842.01	A
	RAPPINI	10.0884	238	3,992.20	A
	RASPBERRY	3.2830	16	247.60	A
	REGULATORY PEST CONTROL	0.1931			
	RESEARCH COMMODITY	0.1173			
		0.0005	1	0.02	A
	TOTAL POUNDS ON THIS COMMODITY	0.1178			
	RICE	0.0489		79.70	T
	RIGHTS OF WAY	0.2735			
	SOIL FUMIGATION/PREPLANT	1.7775		80,161.00	C
	SPINACH	198.3903	1,448	11,818.77	A
		3.0483		726,664.81	P
		0.0588	1	4.00	?
	TOTAL POUNDS ON THIS COMMODITY	201.4974			
	SQUASH	0.1411	8	63.50	A
	SQUASH, SUMMER	0.0753	7	55.00	A
	SQUASH, WINTER	0.3516	1	66.00	A
	STRAWBERRY	114.0829	306	9,122.13	A
	STRUCTURAL PEST CONTROL	1.7698			
	SUNFLOWER	95.1722		2,033,027.00	K
	SWISS CHARD	0.2639	37	64.06	A
	TANGELO	0.0872	4	36.50	A
	TANGERINE	3.5172	6	624.20	A
	TOMATO	30.3007	247	10,951.49	A
	TOMATO, PROCESSING	93.9437	341	28,977.58	A
	TURF/SOD	26.4700	97	1,971.36	A
	UNKNOWN	0.0140	1	48,500.00	S
	VEGETABLES, LEAFY	0.1763	1	12.00	A
	WALNUT	0.3962	2	41.00	A
	WATERMELON	14.6771	77	2,242.31	A
	WHEAT	2.5774		2,780.00	T
	Chemical Total	1,711.5213	17,952		
<b>MEFLUIDIDE, DIETHANOLAMINE SALT</b>					
	LANDSCAPE MAINTENANCE	928.9909			
	RIGHTS OF WAY	118.0609			
	STRUCTURAL PEST CONTROL	0.0202			
	Chemical Total	1,047.0720			

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<b>MEPIQUAT CHLORIDE</b>					
	ALMOND	3.3237	1	50.00	A
	COTTON	20,246.3056	8,184	553,950.93	A
	COTTON (FORAGE - FODDER)	0.7748	1	22.00	A
	GRAPE, WINE	4.2861	3	98.00	A
	LANDSCAPE MAINTENANCE	0.0028			
	RESEARCH COMMODITY	0.2421			
		0.0880	1	135.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.3301			
	RIGHTS OF WAY	43.5620			
	Chemical Total	20,298.5851	8,190		
<b>MESOSULFURON-METHYL</b>					
	WHEAT	0.2672	1	20.00	A
	Chemical Total	0.2672	1		
<b>META-CRESOL</b>					
	CHERRY	0.3127	2	32.00	A
	GRAPE	0.3405	2	78.34	A
	GRAPE, WINE	0.0521	3	4.50	A
	LANDSCAPE MAINTENANCE	0.0524			
	N-OUTDR PLANTS IN CONTAINERS	0.0174	1	0.50	A
	OLIVE	0.0278	1	20.00	A
	WALNUT	1.1534	9	152.25	A
	Chemical Total	1.9563	18		
<b>METALAXYL</b>					
	ALFALFA	162.7319		231.75	T
		61.1712		302,925.50	P
	TOTAL POUNDS ON THIS COMMODITY	223.9031			
	ALMOND	0.3594	2	23.00	A
	BEAN, DRIED	0.8339		252.00	C
	BEET	0.1223		942.02	P
	BOK CHOY	2.1600	1	20.00	A
	BROCCOLI	25.5510	11	226.60	A
	CABBAGE	1.8000	1	10.00	A
	COTTON	1,368.0884		3,187.90	T
		7.5395	14	920.90	A
	TOTAL POUNDS ON THIS COMMODITY	1,375.6279			
	GAI LON	6.0750	4	53.00	A
	GRAPEFRUIT	18.7274	20	267.75	A
	LANDSCAPE MAINTENANCE	359.3099			
	LEMON	0.9422	1	1.00	A
	LETTUCE, HEAD	0.7638	1	21.70	A
	LETTUCE, LEAF	2.1305	5	33.96	A
	N-GRNHS FLOWER	30.1361	179	344.81	A
		8.6933	53	1,754,100.16	S
	TOTAL POUNDS ON THIS COMMODITY	38.8294			
	N-GRNHS PLANTS IN CONTAINERS	64.2997	294	5,298,459.00	S
		49.1373	196	128.10	A
		0.0365	6	265.00	U
	TOTAL POUNDS ON THIS COMMODITY	113.4735			
	N-GRNHS TRANSPLANTS	5.1890	116	344.55	A
		0.4249	40	183,836.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.6139			
	N-OUTDR FLOWER	4.9681	72	136.48	A
		3.8693	17	391,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.8374			
	N-OUTDR PLANTS IN CONTAINERS	19.9360	140	412.83	A
		8.7109	44	826,261.00	S
		0.2195	2	4,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	28.8664			
	N-OUTDR TRANSPLANTS	131.1271	123	264.10	A
		0.1457	3	35,925.00	S
		0.0940	12	3,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	131.3668			

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<b>METALAXYL</b>					
	ONION, DRY	85.0920	6	586.80	A
	ONION, GREEN	44.9660	25	344.80	A
	ORANGE	72.5228	14	867.35	A
	PEPPER, FRUITING	81.0000	15	488.00	A
	PEPPER, SPICE	75.2500	15	752.50	A
	POTATO	114.7825	15	598.10	A
	PUMPKIN	1.3500	2	5.00	A
	RASPBERRY	6.7835	2	27.00	A
	REGULATORY PEST CONTROL	0.0133		200.00	S
	RESEARCH COMMODITY	0.1222			
		0.0172	3	0.04	A
	TOTAL POUNDS ON THIS COMMODITY	0.1394			
	RIGHTS OF WAY	0.1882			
	SPINACH	53.9750	17	228.50	A
	SQUASH	0.8100	1	4.50	A
	STRAWBERRY	73.6908	5	200.61	A
	STRUCTURAL PEST CONTROL	96.5270			
	TANGERINE	43.3388	2	232.00	A
	TOMATO	32.9400	7	205.50	A
	TOMATO, PROCESSING	5.1166	4	178.00	A
	WALNUT	2.8265	2	75.00	A
		1.2562	1	40.00	U
	TOTAL POUNDS ON THIS COMMODITY	4.0827			
Chemical Total		3,137.8624	1,493		
<b>METALDEHYDE</b>					
	ALMOND	13.1250	1	1.50	A
	ARTICHOKE, GLOBE	1,503.5019	71	2,053.20	A
	AVOCADO	432.8754	78	851.26	A
	BLACKBERRY	17.6000	1	11.00	A
	BOK CHOY	2.5450	12	17.00	A
	BROCCOLI	51.0000	1	51.00	A
	BRUSSELS SPROUT	37.4500	4	33.25	A
	CABBAGE	41.5000	1	41.50	A
	CACTUS PEAR	105.6000	5	68.60	A
	CHERRY	24.5000	4	64.00	A
	CITRUS	40.8000	5	172.00	A
	GRAPE, WINE	463.1500	11	1,110.60	A
	GRAPEFRUIT	197.0037	40	669.17	A
	LANDSCAPE MAINTENANCE	7,393.3087			
	LEMON	14,136.5038	897	31,904.97	A
	LETTUCE, HEAD	32.8850	11	94.00	A
	LETTUCE, LEAF	0.4000	1	1.00	A
	LIME	4.1600	2	9.00	A
	MINT	5.8000	5	8.00	A
	N-GRNHS FLOWER	296.8672	137	410.50	A
		4.4300	17	168,800.00	S
		3.7500		30.00	U
	TOTAL POUNDS ON THIS COMMODITY	305.0472			
	N-GRNHS PLANTS IN CONTAINERS	1,579.7009	374	896.40	A
		253.8805	143	4,416,235.40	S
	TOTAL POUNDS ON THIS COMMODITY	1,833.5814			
	N-GRNHS TRANSPLANTS	49.2350	42	58.09	A
		28.3460	34	1,227,126.00	S
	TOTAL POUNDS ON THIS COMMODITY	77.5810			
	N-OUTDR FLOWER	336.7409	111	349.49	A
		4.8250	7	200,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	341.5659			
	N-OUTDR PLANTS IN CONTAINERS	9,336.9729	1,212	8,962.32	A
		283.4150	164	6,680,852.62	S
		0.5996	2	410.00	U
	TOTAL POUNDS ON THIS COMMODITY	9,620.9875			
	N-OUTDR TRANSPLANTS	86.7400	49	128.22	A
		68.2300	10	1,261,324.00	S
		2.0000	1	2.50	U
	TOTAL POUNDS ON THIS COMMODITY	156.9700			
	ORANGE	7,894.2708	651	19,205.41	A

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<b>METALDEHYDE</b>					
	RASPBERRY	141.9620	15	129.27	A
	REGULATORY PEST CONTROL	0.2275			
	RESEARCH COMMODITY	0.0329			
	RIGHTS OF WAY	230.6325			
	STRAWBERRY	998.5775	68	1,420.16	A
	STRUCTURAL PEST CONTROL	2,244.9430			
	TANGELO	118.4350	12	238.40	A
	TANGERINE	100.8650	23	705.00	A
	UNCULTIVATED AG	7.0000	1	16.00	A
	UNCULTIVATED NON-AG	1.8750	1	2.00	A
	VERTEBRATE CONTROL	2.4413			
	WALNUT	0.4900	1	27.00	A
	WATERCRESS	0.1000	1	10.00	A
	Chemical Total	48,581.2940	4,226		
<b>METALLIC SILVER</b>					
	GRAPE, WINE	0.0420	1	1.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0634	7	196,000.00	S
	Chemical Total	0.1054	8		
<b>METAM-SODIUM</b>					
	ALMOND	1,493.9022	1	50.00	A
	ARRUGULA	0.5935	1	3.00	A
	ARTICHOKE, GLOBE	2,116.6530	1	10.00	A
	ASPARAGUS	14,604.9057	1	46.00	A
	BASIL, SWEET	57,746.8315	7	271.52	A
	BEAN, SUCCULENT	18,425.1523	8	197.00	A
	BEET	4,875.4950	16	33.93	A
	BOK CHOY	1,781.5539	22	22.96	A
	BROCCOLI	14,865.9626	5	599.00	A
	BRUSSELS SPROUT	18,626.5464	16	220.00	A
	CABBAGE	1,151.0556	9	16.03	A
	CANTALOUPE	262,910.5331	62	6,612.20	A
	CARROT	5,062,339.5678	433	28,386.66	A
	CAULIFLOWER	54,310.4622	70	918.60	A
	CELERY	25,780.8335	7	103.00	A
	CILANTRO	7,170.8499	14	51.78	A
	COLLARD	799.0096	5	11.04	A
	CORN (FORAGE - FODDER)	2,539.9836	1	10.00	A
	CORN, HUMAN CONSUMPTION	5,566.7974	3	81.50	A
	COTTON	75,077.3971	13	923.81	A
	CUCUMBER	19,671.4474	2	140.00	A
	DAIKON	305.1401	4	3.54	A
	DANDELION GREEN	505.0112	7	7.03	A
	DILL	754.5354	8	8.17	A
	EGGPLANT	10,549.6618	10	112.20	A
	ENDIVE (ESCAROLE)	3,047.9803	1	12.00	A
	FENNEL	571.8739	3	4.92	A
	FUMIGATION, OTHER	14,220.0828			
	GRAPE	50,033.6349	26	1,874.80	A
	GRAPE, WINE	4,612.9836	4	35.98	A
	GRAPEFRUIT	338.6645	1	20.00	A
	HERB, SPICE	4,015.5881	1	18.00	A
	KALE	214.0022	3	2.88	A
	KOHLRABI	199.3771	2	2.72	A
	LANDSCAPE MAINTENANCE	1,322.8244			
	LEEK	1,154.4816	4	11.98	A
	LEMON	304.2208	122	163.29	A
	LETTUCE, HEAD	357,893.2912	138	4,009.00	A
	LETTUCE, LEAF	256,697.3747	111	1,601.96	A
	MELON	120,612.3467	37	2,888.80	A
	MUSTARD	1,783.8389	18	22.44	A
	N-OUTDR FLOWER	61,700.7733	65	541.09	A
	N-OUTDR PLANTS IN CONTAINERS	165,154.6086	23	563.50	A
	N-OUTDR TRANSPLANTS	149,742.6170	73	471.86	A
	ONION, DRY	342,862.6778	33	2,118.30	A



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<b>METAM-SODIUM</b>					
	ORANGE	4,893.0448	12	26.75	A
	PARSLEY	58,300.7462	14	196.54	A
	PEACH	634.9959	1	2.00	A
	PEPPER, FRUITING	588,592.1640	107	3,570.56	A
	PEPPER, SPICE	23,226.1285	3	138.00	A
	POTATO	1,695,802.7463	176	10,884.35	A
	RASPBERRY	1,693.3224	1	30.90	A
	RESEARCH COMMODITY	276.2232			
	RIGHTS OF WAY	252,956.0540			
	SOIL FUMIGATION/PREPLANT	262,915.9784	41	1,655.00	A
	SPINACH	256,229.3482	128	1,202.47	A
	SQUASH	4,444.9713	1	30.00	A
	SQUASH, SUMMER	1,185.3257	2	7.00	A
	SQUASH, WINTER	740.8286	1	5.00	A
	SQUASH, ZUCCHINI	1,777.9885	2	12.00	A
	STRAWBERRY	274,472.0040	92	1,741.07	A
	STRUCTURAL PEST CONTROL	994.3492			
	SWEET POTATO	214,347.7070	42	796.80	A
	SWISS CHARD	1,183.3141	14	15.20	A
	TOMATO	213,636.4831	34	3,171.15	A
	TOMATO, PROCESSING	2,526,293.8540	396	43,034.62	A
	TURF/SOD	23,152.6950	13	85.00	A
	TURNIP	711.0013	11	9.34	A
	UNCULTIVATED AG	542,045.6150	103	4,277.85	A
	UNCULTIVATED NON-AG	10,240.3672	5	44.00	A
	VEGETABLE	157.9868	1	4.00	A
	VEGETABLES, LEAFY	3,136.8797	1	11.40	A
	WALNUT	3,037.4984	20	539.25	A
	WATERMELON	499,392.0227	85	3,642.64	A
	YAM	16,382.8942	4	91.80	A
	Chemical Total	14,683,307.6619	2,701		
<b>METARHIZIUM ANISOPLIAE, VAR. ANISOPLIAE, STRAIN ESF1</b>					
	STRUCTURAL PEST CONTROL	0.0022			
	Chemical Total	0.0022			
<b>METHAMIDOPHOS</b>					
	ALFALFA	9,159.1331	152	11,866.60	A
	BROCCOLI	17.2198	3	43.50	A
	CABBAGE	6.9006	1	8.72	A
	COTTON	9,201.3196	95	10,851.74	A
	POTATO	5,568.6134	126	7,083.55	A
	RESEARCH COMMODITY	19.9245	3	26.20	A
	STRUCTURAL PEST CONTROL	187.6356			
	SUGARBEET	427.8040	16	900.00	A
	TOMATO	2,382.8222	64	3,242.40	A
	TOMATO, PROCESSING	4,360.6664	88	4,851.60	A
	Chemical Total	31,332.0392	548		
<b>METHIDATHION</b>					
	ALFALFA	3,059.0642	56	3,200.10	A
	ALMOND	10,125.5378	141	8,609.68	A
	APPLE	2,664.0810	42	1,843.03	A
	APRICOT	566.3552	24	322.17	A
	ARTICHOKE, GLOBE	12,009.7525	325	11,814.71	A
	CHERRY	2,408.9338	49	930.16	A
	CITRUS	182.1339	18	181.63	A
	FORAGE HAY/SILAGE	858.9244	22	1,029.50	A
	GRAPEFRUIT	257.5000	5	70.00	A
	KIWI	896.0000	32	523.00	A
	LEMON	749.7532	7	235.85	A
	N-GRNHS PLANTS IN CONTAINERS	0.4250	2	0.40	A
	N-OUTDR PLANTS IN CONTAINERS	178.7937	10	155.00	A
		0.1250	1	1.00	U
	TOTAL POUNDS ON THIS COMMODITY	178.9187			

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<b>METHIDATHION</b>					
	NECTARINE	984.5419	41	677.00	A
	OLIVE	3,177.6439	34	1,360.25	A
	ONION, GREEN	42.8087	1	42.80	A
	ORANGE	7,527.5842	103	2,925.15	A
	PEACH	4,313.5439	151	3,252.68	A
	PEAR	59.5000	3	31.50	A
	PLUM	3,750.8216	71	1,859.47	A
	PRUNE	866.5517	17	811.00	A
	RESEARCH COMMODITY	40.0000			
	SAFFLOWER	697.9312	11	2,573.00	A
	TANGELO	13.5012	2	42.00	A
	TANGERINE	3,021.6792	16	1,123.04	A
	WALNUT	2,750.8481	38	1,667.40	A
	Chemical Total	61,204.3353	1,222		
<b>METHIOCARB</b>					
	GRAPE	5.2050	1	29.20	A
	GRAPE, WINE	1.1250	1	6.00	A
	LANDSCAPE MAINTENANCE	23.8072			
	LEMON	29.3125	4	211.00	A
	N-GRNHS FLOWER	115.1250	70	173.77	A
		48.7871	69	2,075,496.00	S
	TOTAL POUNDS ON THIS COMMODITY	163.9121			
	N-GRNHS PLANTS IN CONTAINERS	514.2456	238	200.33	A
		83.3549	66	2,022,497.00	S
	TOTAL POUNDS ON THIS COMMODITY	597.6005			
	N-GRNHS TRANSPLANTS	12.1389	16	164,300.00	S
	N-OUTDR FLOWER	196.7256	77	270.26	A
		12.3750	12	739,573.00	S
	TOTAL POUNDS ON THIS COMMODITY	209.1006			
	N-OUTDR PLANTS IN CONTAINERS	1,572.0327	356	1,809.61	A
		46.9222	67	1,696,107.20	S
		14.2875	10	3,167.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,633.2424			
	N-OUTDR TRANSPLANTS	10.3838	17	506,000.00	S
		3.0000	2	4.00	A
	TOTAL POUNDS ON THIS COMMODITY	13.3838			
	ORANGE	9.0000	2	134.00	A
	RIGHTS OF WAY	0.7500			
	STRUCTURAL PEST CONTROL	0.0250			
	UNCULTIVATED AG	90.0000	1	60.00	A
	Chemical Total	2,788.6030	1,009		
<b>METHOMYL</b>					
	ALFALFA	21,120.5851	705	48,062.19	A
	ALMOND	84.3750	1	125.00	A
	ANIMAL PREMISE	0.9450		19.00	U
		0.4504		242,000.00	S
		0.0700		87.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.4654			
	APPLE	168.8670	3	197.00	A
	ASPARAGUS	454.4370	15	682.86	A
	BARLEY	94.3650	2	139.80	A
	BEAN, DRIED	2,694.2760	104	5,163.34	A
	BEAN, SUCCULENT	1,839.4365	81	3,240.50	A
	BEAN, UNSPECIFIED	789.0760	21	1,353.27	A
	BEET	75.8682	62	122.83	A
	BERMUDAGRASS	1,272.5415	21	1,951.50	A
	BLUEBERRY	560.6550	12	972.10	A
	BOK CHOY	75.0501	66	116.50	A
	BROCCOLI	6,146.1990	438	7,663.49	A
	BRUSSELS SPROUT	383.1750	43	424.75	A
	CABBAGE	1,778.7798	139	2,472.64	A
	CANTALOUPE	6,453.2565	94	9,210.56	A
	CARROT	1,180.9950	72	1,977.40	A
	CAULIFLOWER	639.5490	65	775.10	A

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<b>METHOMYL</b>					
	CELERY	6,498.7133	894	8,235.01	A
	CHINESE CABBAGE (NAPPA)	144.1935	52	188.98	A
	CITRUS	580.5000	2	30.00	A
	COLLARD	13.1643	8	18.35	A
	CORN (FORAGE - FODDER)	3,544.4340	215	8,239.73	A
	CORN, HUMAN CONSUMPTION	31,925.2060	1,783	71,412.70	A
	COTTON	630.1620	13	870.50	A
	COTTON (FORAGE - FODDER)	16.2000	1	36.00	A
	CUCUMBER	673.4610	53	1,537.91	A
	DANDELION GREEN	0.6390	2	1.47	A
	EGGPLANT	83.4766	28	139.10	A
	ENDIVE (ESCAROLE)	358.0245	150	509.01	A
	FENNEL	434.1420	34	483.90	A
	GAI LON	65.1375	10	66.00	A
	GARLIC	476.5500	10	1,059.00	A
	GRAPE	15,422.0984	465	24,072.43	A
	GRAPE, WINE	5,883.3278	160	7,487.70	A
	KALE	84.2040	27	130.71	A
	LETTUCE, HEAD	29,036.6158	2,491	43,001.85	A
	LETTUCE, LEAF	23,159.1338	3,186	36,015.07	A
	MELON	507.8070	13	895.70	A
	MUSTARD	60.0748	24	106.36	A
	N-GRNHS PLANTS IN CONTAINERS	3.5438	2	3.93	A
		2.5650	4	248,992.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.1088			
	N-GRNHS TRANSPLANTS	28.1932	101	2,738,953.00	S
	N-OUTDR FLOWER	61.3409	19	84.32	A
	N-OUTDR PLANTS IN CONTAINERS	371.6280	36	477.02	A
	N-OUTDR TRANSPLANTS	647.5500	15	722.00	A
		13.3769	26	1,307,616.00	S
	TOTAL POUNDS ON THIS COMMODITY	660.9269			
	NECTARINE	4,564.0250	286	5,769.07	A
	OAT (FORAGE - FODDER)	37.8000	3	54.50	A
	ONION, DRY	10,832.7015	354	15,933.83	A
	ONION, GREEN	527.2853	128	839.11	A
	ORANGE	724.9500	39	1,324.55	A
	PEACH	461.6125	22	609.81	A
	PEAS	1,067.3145	128	1,407.93	A
	PEPPER, FRUITING	5,229.7203	187	7,038.01	A
	PEPPER, SPICE	986.4000	40	1,189.60	A
	PIMENTO	125.3970	8	183.00	A
	PLUM	18.0000	1	5.00	A
	POMEGRANATE	780.3450	61	1,170.40	A
	POTATO	2,691.7560	62	4,141.30	A
	PUMPKIN	457.2180	26	1,089.60	A
	RAPPINI	258.7500	24	290.50	A
	RASPBERRY	19.9800	1	22.20	A
	RESEARCH COMMODITY	26.1000	2	29.00	A
		3.3750			
		0.1350	1	6,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	29.6100			
	SOIL FUMIGATION/PREPLANT	31.5000	2	70.00	A
	SORGHUM (FORAGE - FODDER)	188.3250	8	436.00	A
	SORGHUM/MILO	37.3562	3	55.50	A
	SPINACH	2,727.2970	465	4,460.93	A
	SQUASH	255.8025	34	539.12	A
	SQUASH, SUMMER	89.5500	13	110.00	A
	SQUASH, WINTER	4.5000	1	4.00	A
	SQUASH, ZUCCHINI	2.2500	1	5.00	A
	STRAWBERRY	20,852.0809	1,077	26,056.66	A
	STRUCTURAL PEST CONTROL	4.0186			
	SUDANGRASS	1,193.0310	68	2,838.88	A
	SUGARBEET	20,138.0342	489	33,366.30	A
	SUGARBEET (FORAGE - FODDER)	902.2860	36	1,917.00	A
	SWEET POTATO	71.1000	2	79.00	A
	SWISS CHARD	19.0655	30	35.90	A
	TANGERINE	3.8250	1	8.50	A
	TOMATILLO	5.1750	3	14.00	A

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<b>METHOMYL</b>					
	TOMATO	5,389.3363	184	7,132.98	A
	TOMATO, PROCESSING	12,423.1410	292	24,626.92	A
	TURNIP	6.2127	15	10.79	A
	VERTEBRATE CONTROL	12.6000	1	14.00	A
	WALNUT	25.6500	1	57.00	A
	WATERMELON	2,286.6390	87	3,676.22	A
	WHEAT	134.9910	11	306.00	A
	WHEAT (FORAGE - FODDER)	39.6000	1	88.00	A
	Chemical Total	262,194.6472	15,966		
<b>METHOPRENE (POST 1997 SEE CHEM CODE 5026)</b>					
	LANDSCAPE MAINTENANCE	11.9436			
	N-GRNHS FLOWER	0.0269	1	0.50	A
	N-OUTDR FLOWER	0.0269	1	0.50	A
	PUBLIC HEALTH	8,434.8507			
	REGULATORY PEST CONTROL	0.0005			
	RIGHTS OF WAY	88.4832			
	STRUCTURAL PEST CONTROL	266.7710			
	Chemical Total	8,802.1028	2		
<b>S-METHOPRENE</b>					
	LANDSCAPE MAINTENANCE	2.5813			
	N-GRNHS PLANTS IN CONTAINERS	0.0066	2	1.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0850	2	10.00	A
	PISTACHIO	0.2300		31.00	A
	PUBLIC HEALTH	477.2509			
	REGULATORY PEST CONTROL	0.0814			
		0.0425		7.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.1239			
	RIGHTS OF WAY	0.0026			
	STRUCTURAL PEST CONTROL	44.7383			
	Chemical Total	525.0186	4		
<b>METHOXYCHLOR</b>					
	GRAPE, WINE	0.2001	1	41.40	A
	LANDSCAPE MAINTENANCE	0.3390			
	N-GRNHS PLANTS IN CONTAINERS	0.4063	2	100,000.00	S
	N-GRNHS TRANSPLANTS	0.0303	1	10,000.00	S
	STRUCTURAL PEST CONTROL	0.4688			
	VERTEBRATE CONTROL	0.0041			
	Chemical Total	1.4486	4		
<b>METHOXYCHLOR, OTHER RELATED</b>					
	N-GRNHS TRANSPLANTS	0.0041	1	10,000.00	S
	Chemical Total	0.0041	1		
<b>METHOXYFENOZIDE</b>					
	ALMOND	15,021.0482	913	61,268.43	A
	APPLE	1,553.7006	101	5,489.42	A
	ARTICHOKE, GLOBE	87.0846	25	455.65	A
	BOK CHOY	31.6364	162	216.56	A
	BROCCOLI	537.9551	127	3,178.15	A
		0.1412	2	80,190.00	S
	TOTAL POUNDS ON THIS COMMODITY	538.0963			
	BRUSSELS SPROUT	1.7847	2	12.70	A
	CABBAGE	146.0016	112	984.53	A
	CARROT	0.6100	1	4.30	A
	CAULIFLOWER	330.4989	56	2,156.90	A
	CELERY	2,708.0682	1,478	18,036.14	A
	CHERRY	450.4529	102	2,366.20	A
	CHICORY	163.6636	79	1,025.62	A
	CHINESE CABBAGE (NAPPA)	43.8266	91	267.71	A
	COLLARD	4.1775	30	40.24	A

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<b>METHOXYFENOZIDE</b>					
	CORN (FORAGE - FODDER)	7.7046	2	163.70	A
	CORN, HUMAN CONSUMPTION	64.9717	32	268.28	A
	COTTON	2,386.2133	144	17,730.70	A
	DANDELION GREEN	0.0723	1	0.68	A
	EGGPLANT	3.0300	2	19.00	A
	ENDIVE (ESCAROLE)	9.3770	35	64.82	A
	FENNEL	54.2000	29	371.70	A
	GRAPE	11,180.4305	1,394	64,660.96	A
	GRAPE, WINE	9,410.1399	686	49,176.38	A
	KALE	15.2565	48	123.80	A
	KOHLRABI	0.7498	11	7.21	A
	LETTUCE, HEAD	5,239.8941	2,653	35,612.95	A
	LETTUCE, LEAF	2,589.3203	1,849	18,393.77	A
	MUSTARD	17.1237	20	122.02	A
	N-OUTDR PLANTS IN CONTAINERS	5.3767	2	19.00	A
	N-OUTDR TRANSPLANTS	8.2977	12	15.60	A
		0.7413	8	298,080.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.0390			
	NECTARINE	408.1934	120	1,773.96	A
	PARSLEY	0.1371	1	1.29	A
	PEACH	1,251.9539	289	5,643.07	A
	PEAR	2,261.8797	276	8,030.68	A
	PEPPER, FRUITING	1,269.9627	171	7,646.77	A
	PEPPER, SPICE	32.7795	11	168.00	A
	PIMENTO	27.0414	8	197.00	A
	PISTACHIO	3,311.7960	139	13,579.60	A
	PLUM	273.8392	64	1,303.56	A
	PRUNE	9.8129	2	41.00	A
	QUINCE	17.5080	8	62.00	A
	RAPPINI	66.9596	29	474.20	A
	RESEARCH COMMODITY	2.5754	7	129.75	A
	SPINACH	450.1430	368	3,018.55	A
	SWISS CHARD	10.9602	82	94.09	A
	TOMATO	2,689.2391	327	13,264.60	A
	TOMATO, PROCESSING	5,778.5098	379	33,892.81	A
	TURNIP	7.9520	8	45.25	A
	UNCULTIVATED AG	16.2373	1	160.00	A
	UNKNOWN	0.4466	4	4.05	A
	VEGETABLES, LEAFY	1.8488	18	17.27	A
	WALNUT	4,951.3834	354	15,660.55	A
	Chemical Total	74,914.7085	12,875		
<b>METHYL ANTHRANILATE</b>					
	LANDSCAPE MAINTENANCE	50.4610			
	RICE, WILD	483.9555	14	1,458.00	A
	Chemical Total	534.4165	14		
<b>METHYLATED SILICA</b>					
	ALMOND	0.0317	8	617.00	A
	COTTON	0.0249	5	480.20	A
	GRAPE	0.1527	41	1,853.00	A
	GRAPE, WINE	0.0382	8	1,083.51	A
	LANDSCAPE MAINTENANCE	0.0049			
	PEACH	0.0129	2	26.00	A
	REGULATORY PEST CONTROL	0.0007			
	RIGHTS OF WAY	0.9904			
	Chemical Total	1.2564	64		
<b>METHYLATED SOYBEAN OIL</b>					
	ALFALFA	15,562.2522	896	54,184.18	A
	ALMOND	9,202.3763	575	23,242.90	A
	APPLE	60.2607	6	284.00	A
	APRICOT	140.4743	22	564.00	A
	ARTICHOKE, GLOBE	147.9296	5	97.95	A
	ASPARAGUS	899.5953	10	779.20	A

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<b>METHYLATED SOYBEAN OIL</b>					
	AVOCADO	195.6893	28	683.50	A
	BEAN, DRIED	120.5349	2	104.00	A
	BEAN, SUCCULENT	16.2522	2	111.00	A
	BERMUDAGRASS	68.2227	5	315.00	A
	BLUEBERRY	30.0657	11	303.00	A
	BOK CHOY	2.8900	5	17.08	A
	BOYSENBERRY	10.0755	1	13.00	A
	BROCCOLI	394.5216	80	2,707.73	A
	CABBAGE	40.8570	14	219.00	A
	CANOLA (RAPE)	34.4449	1	140.00	A
	CANTALOUPE	274.8894	24	1,208.60	A
	CARROT	296.3510	28	1,602.50	A
	CAULIFLOWER	108.2063	20	526.06	A
	CELERY	2,078.4081	409	5,210.85	A
	CHERRY	678.0007	40	1,622.25	A
	CHINESE CABBAGE (NAPPA)	4.7756	5	32.85	A
	CHRISTMAS TREE	23.3095	12	16.90	A
	CLOVER	1,085.0872	6	559.00	A
	CORN (FORAGE - FODDER)	2,732.9977	98	5,707.60	A
	CORN, HUMAN CONSUMPTION	1,027.6877	94	3,684.70	A
	COTTON	12,383.0018	1,007	62,573.17	A
	CUCUMBER	15.8713	3	65.00	A
	ENDIVE (ESCAROLE)	2.9260	2	15.40	A
	FORAGE HAY/SILAGE	121.7206	12	1,157.00	A
	FOREST, TIMBERLAND	8,104.8988	91	3,038.20	A
	GAI LON	3.0074	1	36.00	A
	GARLIC	156.5986	7	1,010.40	A
	GRAPE	1,839.8224	116	5,146.84	A
	GRAPE, WINE	3,228.5694	114	6,385.50	A
	GRAPEFRUIT	58.6821	10	781.00	A
	KALE	3.2027	11	23.90	A
	KIWI	130.1918	9	114.50	A
	KOHLRABI	1.1854	1	0.74	A
	LANDSCAPE MAINTENANCE	397.0884			
		2.6711	1	0.75	A
	TOTAL POUNDS ON THIS COMMODITY	399.7595			
	LEMON	1,712.9748	27	536.20	A
	LETTUCE, HEAD	2,323.7323	504	14,501.89	A
	LETTUCE, LEAF	835.4742	234	4,919.85	A
	MELON	15.2997	5	138.90	A
	MINT	175.7698	12	427.29	A
	N-GRNHS PLANTS IN CONTAINERS	46.5467	12	11.72	A
	N-OUTDR FLOWER	81.2224	7	279.00	A
	N-OUTDR PLANTS IN CONTAINERS	8.5752	4	25.50	A
	N-OUTDR TRANSPLANTS	12.4375	2	50.80	A
	NECTARINE	992.7878	270	4,798.10	A
	OAT	38.2621	4	49.50	A
	OAT (FORAGE - FODDER)	11.4281	1	30.00	A
	OLIVE	3.7428	2	26.30	A
	ONION, DRY	1,450.7708	119	5,866.50	A
	ORANGE	645.1398	62	1,256.10	A
	PASTURELAND	36.9615	2	320.00	A
	PEACH	1,641.7752	295	6,678.20	A
	PEAR	212.3683	7	371.10	A
	PEPPER, FRUITING	211.7197	33	876.90	A
	PERSIMMON	13.1045	10	54.80	A
	PISTACHIO	342.4977	15	875.90	A
	PLUM	543.8219	110	1,825.30	A
	POTATO	566.1904	21	1,263.00	A
	PRUNE	85.2787	24	309.50	A
	PUMPKIN	388.6637	24	880.90	A
	QUINCE	16.6767	2	24.00	A
	RANGELAND	66.3609	1	133.00	A
	RAPPINI	285.3341	27	1,076.90	A
	REGULATORY PEST CONTROL	14.2901			
	RICE	1,394.9316	103	8,298.10	A
	RIGHTS OF WAY	3,538.1523			
	RYEGRASS	81.7688	12	109.70	A

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<b>METHYLATED SOYBEAN OIL</b>					
	SOIL FUMIGATION/PREPLANT	167.8766	4	248.00	A
	SORGHUM (FORAGE - FODDER)	9.4602	5	124.00	A
	SORGHUM/MILO	5.6398	1	74.00	A
	SPINACH	8.7892	11	37.25	A
	SQUASH	16.7071	3	115.00	A
	SQUASH, SUMMER	45.4818	2	12.00	A
	SQUASH, WINTER	49.9826	5	188.00	A
	STRAWBERRY	598.5273	53	1,647.59	A
	SUGARBEET	837.8589	59	3,992.50	A
	SWEET POTATO	75.1762	4	220.00	A
	TOMATO	450.2637	27	1,959.30	A
	TOMATO, PROCESSING	2,677.4548	189	14,136.59	A
	TURF/SOD	3.7291	1	10.00	A
	UNCULTIVATED AG	733.2308	78	1,874.40	A
	UNCULTIVATED NON-AG	29.4757	5	68.25	A
	WALNUT	2,565.8304	182	8,981.52	A
	WATERMELON	68.9368	9	444.00	A
	WHEAT	859.9364	50	4,496.40	A
	WHEAT (FORAGE - FODDER)	27.2285	4	228.00	A
	Chemical Total	88,711.2392	6,427		
<b>METHYL BROMIDE</b>					
	ALFALFA	11.7600	1	6.00	A
	ALMOND	81,240.5187	318	12,839.73	A
		17,558.5959	100	2,719,211.00	U
		2,387.3790		2,392.60	K
		1,898.3701		2,760,832.00	C
		1,289.9430		7,060.90	T
		660.1013	1	434,522.00	S
		17.2262		886,900.00	P
	TOTAL POUNDS ON THIS COMMODITY	105,052.1342			
	APPLE	1,279.4691	4	3.59	A
	APRICOT	602.9000		38,495.00	U
		166.0762		646,708.00	P
		15.7028		7,000.00	C
		13.9650	2	2.50	A
	TOTAL POUNDS ON THIS COMMODITY	798.6440			
	BLACKBERRY	5,460.6000	8	30.90	A
	BLUEBERRY	239.4000	1	1.40	A
	BOYSENBERRY	372.5200	1	1.85	A
	BROCCOLI	12.9675	1	6.50	A
	CABBAGE	729.6000	1	4.00	A
	CANTALOUPE	17,065.5000	4	135.50	A
	CASHEW	3.0000		2.00	T
	CAULIFLOWER	997.5000	1	5.00	A
	CELERY	10,414.7098	4	98.50	A
	CHERRY	67,694.5844	83	2,880.02	A
		2,153.3000		641,146.00	P
		488.0400	3	478.00	U
		3.8554		2,521.91	S
	TOTAL POUNDS ON THIS COMMODITY	70,339.7798			
	CHIVE	1,247.7300	3	129,200.00	S
	CHRISTMAS TREE	1,306.5000	2	5.30	A
	CITRUS	1,470.0000	1	5.00	A
	COMMODITY FUMIGATION	133,869.9586			
		32.3400	7	7,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	133,902.2986			
	CORN, HUMAN CONSUMPTION	5,665.3800	1	24.60	A
	COTTON	58.0000		400.00	C
		54.1034	1	150.00	A
	TOTAL POUNDS ON THIS COMMODITY	112.1034			
	CRANBERRY	11.1000		7.25	T
	DATE	4,854.0000		27,316,386.48	P
		1,639.4100		3,029,943.06	T
		523.9100		2,082,222.00	U
	TOTAL POUNDS ON THIS COMMODITY	7,017.3200			

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<b>METHYL BROMIDE</b>					
	DRIED FRUIT	17,423.8360		14,565,798.00	C
		1,500.0000		915,980.00	S
		1,334.3200		6,362.00	T
		929.6760		922,860.00	U
		36.0000		330.00	A
	TOTAL POUNDS ON THIS COMMODITY	21,223.8320			
	EGGPLANT	37,733.9957	59	193.38	A
	FIG	8,465.4590		5,945,866.00	C
		368.3915		1,969.00	K
	TOTAL POUNDS ON THIS COMMODITY	8,833.8505			
	FOOD PROCESSING PLANT	2,817.0000		4,249.78	K
		2,648.3975		2,005,345.00	C
	TOTAL POUNDS ON THIS COMMODITY	5,465.3975			
	FUMIGATION, OTHER	156,522.3860			
	GRAPE	18,319.1200	4	54.47	A
		16,143.8851		11,545,678.00	C
		1,570.0000		1,265,750.00	S
		1,296.1000		748,000.00	K
		1,264.5760		332,875.40	P
		363.9200		1,325.00	T
		323.0280		324,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	39,280.6291			
	GRAPE, WINE	5,285.0000	4	17.80	A
	HERB, SPICE	4,356.4000	8	13.93	A
	LANDSCAPE MAINTENANCE	40,037.7602	18	130.00	A
		2,382.0450			
	TOTAL POUNDS ON THIS COMMODITY	42,419.8052			
	LEMON	7,105.0000	2	18.25	A
	LETTUCE, HEAD	26,196.8700	11	113.70	A
	LETTUCE, LEAF	3,884.9500	4	17.60	A
	LUMBER, TREATED	48,000.0000		12,000.00	C
	N-GRNHS FLOWER	27,485.8241	84	115.96	A
		2,911.5192	79	350,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	30,397.3433			
	N-GRNHS PLANTS IN CONTAINERS	826.7800	2	7.40	A
		815.8572	30	115,150.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,642.6372			
	N-GRNHS TRANSPLANTS	6,164.0000	1	10.50	A
		12.0600	1	1,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,176.0600			
	N-OUTDR FLOWER	126,610.8532	331	763.07	A
		5,647.7783	127	698,678.00	S
		88.2000	1	150.00	U
	TOTAL POUNDS ON THIS COMMODITY	132,346.8315			
	N-OUTDR PLANTS IN CONTAINERS	605,312.9655	158	2,420.35	A
		4,278.5085	87	2,179,551.00	S
	TOTAL POUNDS ON THIS COMMODITY	609,591.4740			
	N-OUTDR TRANSPLANTS	414,742.7655	171	1,729.70	A
		28.8100	2	3,333.00	U
	TOTAL POUNDS ON THIS COMMODITY	414,771.5755			
	NECTARINE	8,292.2600	5	33.90	A
		1,411.4700		82,012.00	U
		1,008.6070		1,550.76	T
		986.9432		1,644,274.00	P
		175.8000		12,253.00	C
	TOTAL POUNDS ON THIS COMMODITY	11,875.0802			
	NUTS	88.5000		65.50	T
	ONION, DRY	16,836.3700	7	77.50	A
	ORANGE	8,799.4693	28	586.86	A
	PEACH	25,507.6693	29	558.14	A
		6,505.4000		6,087.30	T
		3,160.4600	10	75,955.00	U
		601.8271		1,956,360.00	P
		85.2160		14,487.00	C
	TOTAL POUNDS ON THIS COMMODITY	35,860.5724			
	PEAR	45.1000		2,881.00	U
		27.4400	2	14.00	A
	TOTAL POUNDS ON THIS COMMODITY	72.5400			



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<b>METHYL BROMIDE</b>					
	PECAN	6.0000		5.00	T
	PEPPER, FRUITING	128,529.2771	30	692.70	A
	PINEAPPLE	136.6000		34,848.00	P
	PISTACHIO	1,413.3080		1,132,900.00	C
		543.0000		490.00	T
	TOTAL POUNDS ON THIS COMMODITY	1,956.3080			
	PLUM	8,591.7100	9	126.10	A
		1,211.4000		154,773.00	U
		661.3392		1,799,584.00	P
		231.9215		36,530.00	C
		0.0000		0.02	T
	TOTAL POUNDS ON THIS COMMODITY	10,696.3707			
	PRUNE	35,559.6325	34	649.42	A
		350.0000		250,000.00	C
		205.0000		11,956.00	P
	TOTAL POUNDS ON THIS COMMODITY	36,114.6325			
	QUINCE	133.1000		4,540.00	U
		85.4000		15,488.00	P
	TOTAL POUNDS ON THIS COMMODITY	218.5000			
	RASPBERRY	176,393.0350	78	892.80	A
		858.0000		111,784.00	U
	TOTAL POUNDS ON THIS COMMODITY	177,251.0350			
	REGULATORY PEST CONTROL	23,358.8600			
	RESEARCH COMMODITY	2,113.8500	2	8.30	A
		1,156.9500			
	TOTAL POUNDS ON THIS COMMODITY	3,270.8000			
	RICE	604.0000		302,000.00	C
		446.0000		223,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,050.0000			
	RIGHTS OF WAY	82.8000			
	SOIL FUMIGATION/PREPLANT	767,097.3856	227	3,659.44	A
		2,254.0000		248,400.00	C
		787.5000	35	5,250.00	U
		0.3350	1	64.00	S
	TOTAL POUNDS ON THIS COMMODITY	770,139.2206			
	STORAGE AREA/BOX	2,737.0000		1,467,890.00	C
	STRAWBERRY	3,186,693.9835	1,191	18,467.08	A
		3,041.4240	24	494,261.00	U
		1,089.0000		235.79	P
		7.9760	1	510.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,190,832.3835			
	STRUCTURAL PEST CONTROL	17,481.7110			
	SWEET POTATO	1,368.5700	5	6.85	A
	TANGERINE	1,886.5000	3	19.00	A
	TOMATO	177,561.0350	35	1,817.46	A
		179.1000	2	18,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	177,740.1350			
	TURF/ SOD	85,558.6000	29	285.69	A
	UNCULTIVATED AG	119,973.8100	24	1,034.36	A
	UNCULTIVATED NON-AG	1,657.8918	5	90.00	A
	UNKNOWN	399.9900	1	2.00	A
	VEGETABLE	1,745.7000	3	7.80	A
	VERTEBRATE CONTROL	336.0420			
	WALNUT	203,841.2518	191	5,453.89	A
		14,750.8630	37	1,293,671.81	U
		10,889.2720		30,326.66	T
		5,270.9140		1,672,952.00	C
		2,270.4330		1,368,304.00	S
		554.5421		1,954,668.00	P
	TOTAL POUNDS ON THIS COMMODITY	237,577.2759			
	WATERMELON	59,479.2500	10	378.80	A
	Chemical Total	7,089,861.8489	3,790		

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<b>METHYL CELLULOSE</b>					
	BROCCOLI	0.0686	1	11.00	A
	CARROT	1.6473	1	20.00	A
	LETTUCE, HEAD	0.3295	3	27.90	A
	MELON	6.0950	2	110.00	A
	OLIVE	10.0811	3	93.00	A
	ORANGE	107.2942	13	867.00	A
	RICE	66.4137	12	1,071.00	A
	SAFFLOWER	37.7781	8	550.50	A
	SQUASH	1.0158	1	20.00	A
	SUNFLOWER	2.7455	3	160.00	A
	TOMATO, PROCESSING	8.8302	3	185.00	A
	UNCULTIVATED AG	131.5233	29	2,556.00	A
	WATERMELON	2.9240	1	57.00	A
	WHEAT	15.0865	6	521.00	A
	Chemical Total	391.8328	86		
<b>1-METHYLCYCLOPROPENE</b>					
	N-GRNHS PLANTS IN CONTAINERS	0.0047	17	4.31	A
	Chemical Total	0.0047	17		
<b>METHYL-2,3-DICHLORO-9-HYDROXYFLUORENE-9-CARBOXYLATE</b>					
	LANDSCAPE MAINTENANCE	0.0234			
	Chemical Total	0.0234			
<b>METHYL-2,7-DICHLORO-9-HYDROXYFLUORENE-9-CARBOXYLATE</b>					
	LANDSCAPE MAINTENANCE	49.9206			
	RIGHTS OF WAY	0.4190			
	STRUCTURAL PEST CONTROL	0.0813			
	Chemical Total	50.4209			
<b>METHYL DODECYL BENZYL TRIMETHYL AMMONIUM CHLORIDE</b>					
	GRAPE, WINE	0.1260	1	42.00	A
	Chemical Total	0.1260	1		
<b>METHYL DODECYL XYLENE BIS (TRIMETHYL AMMONIUM CHLORIDE)</b>					
	GRAPE, WINE	0.0315	1	42.00	A
	Chemical Total	0.0315	1		
<b>METHYLENE CHLORIDE</b>					
	LANDSCAPE MAINTENANCE	1.1799			
	STRUCTURAL PEST CONTROL	66.8949			
	Chemical Total	68.0748			
<b>METHYLENE BIS(THIOCYANATE)</b>					
	WATER (INDUSTRIAL)	0.3499		1.00	U
	Chemical Total	0.3499			
<b>METHYLATED FATTY ACIDS FROM CANOLA OIL</b>					
	LANDSCAPE MAINTENANCE	276.2618			
	RIGHTS OF WAY	270.2364			
	STRUCTURAL PEST CONTROL	1.4402			
	Chemical Total	547.9384			
<b>(3S, 6R)-3-METHYL-6-ISOPROPENYL-9-DECEN-1-YL ACETATE</b>					
	ORANGE	0.0055	8	86.00	A
	Chemical Total	0.0055	8		

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<b>(3S, 6S)-3-METHYL-6-ISOPROPENYL-9-DECEN-1-YL ACETATE</b>					
	ORANGE	0.0034	8	86.00	A
	Chemical Total	0.0034	8		
<b>2-METHYL-4-ISOTHIAZOLIN-3-ONE</b>					
	GRAPE, WINE	0.1206	1	84.37	A
	LANDSCAPE MAINTENANCE	10.1449			
	LUMBER, TREATED	427.7455			
	N-OUTDR PLANTS IN CONTAINERS	1.7460	1	18.00	A
	PEACH	0.0033	1	2.00	A
	STRUCTURAL PEST CONTROL	235.0230			
	WATER (INDUSTRIAL)	144.2012		19.00	U
		7.3218		18.00	A
	TOTAL POUNDS ON THIS COMMODITY	151.5230			
	Chemical Total	826.3063	3		
<b>METHYL ISOTHIOCYANATE</b>					
	RIGHTS OF WAY	1,356.7541			
	Chemical Total	1,356.7541			
<b>METHYL METHACRYLATE</b>					
	CHINESE GREENS	0.1240	1	24,000.00	S
	Chemical Total	0.1240	1		
<b>METHYL PARATHION</b>					
	ALMOND	69.4150	1	18.00	A
	APPLE	0.1250	1	20.00	A
	BEAN, DRIED	420.1010	7	512.00	A
	CELERY	8.1410	1	11.00	A
	CORN, HUMAN CONSUMPTION	3,611.2837	164	5,334.00	A
	LETTUCE, LEAF	4.9129	1	6.80	A
	OAT	50.4376	1	72.00	A
	ONION, DRY	1,046.8382	22	2,239.60	A
	WALNUT	66,314.1493	1,127	40,426.72	A
	Chemical Total	71,525.4037	1,325		
<b>METHYL PARATHION, OTHER RELATED</b>					
	ALMOND	2.7045	1	18.00	A
	BEAN, DRIED	22.1106	7	512.00	A
	CORN, HUMAN CONSUMPTION	190.0676	164	5,334.00	A
	LETTUCE, LEAF	0.2586	1	6.80	A
	OAT	2.6546	1	72.00	A
	ONION, DRY	55.0967	22	2,239.60	A
	WALNUT	3,490.2184	1,127	40,426.72	A
	Chemical Total	3,763.1110	1,323		
<b>METHYL SILICONE RESINS</b>					
	ALFALFA	57.6545	12	962.30	A
	ALMOND	1,270.6293	86	14,502.00	A
	AVOCADO	77.7530	37	444.00	A
	BEAN, DRIED	24.1186	3	460.00	A
	BEAN, SUCCULENT	23.7101	4	170.00	A
	BOK CHOY	8.6038	55	86.82	A
	BROCCOLI	441.6584	349	4,068.09	A
	CABBAGE	7.4303	8	57.70	A
	CANTALOUPE	3.8792	3	51.26	A
	CARROT	13.6405	11	174.00	A
	CAULIFLOWER	82.1313	74	762.12	A
	CELERY	220.1886	237	1,910.71	A
	CHICORY	3.2477	31	68.58	A
	CHINESE CABBAGE (NAPPA)	11.7311	54	123.10	A
	COTTON	58.0294	25	1,262.80	A
	CUCUMBER	77.6687	22	1,045.97	A

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<b>METHYL SILICONE RESINS</b>					
	ENDIVE (ESCAROLE)	35.0607	305	607.41	A
	GRAPE	1.5440	41	1,853.00	A
	GRAPE, WINE	80.5006	21	1,362.65	A
	KALE	1.7708	20	32.60	A
	LETTUCE, HEAD	1,559.7514	1,485	18,275.10	A
	LETTUCE, LEAF	962.3466	1,454	12,079.59	A
	MELON	258.1360	28	2,760.70	A
	ONION, DRY	41.0848	16	231.00	A
	PARSLEY	0.1350	1	3.90	A
	PEACH	1.3166	3	30.50	A
	PRUNE	23.9815	4	118.50	A
	PUMPKIN	3.4826	2	51.00	A
	REGULATORY PEST CONTROL	0.1430			
	RICE	2,978.8185	252	22,013.70	A
	RIGHTS OF WAY	94.4714			
	SOIL FUMIGATION/PREPLANT	33.0999	1	157.00	A
	SQUASH	28.5671	17	400.55	A
	STRAWBERRY	319.2442	61	1,213.90	A
	SUNFLOWER	31.1181	15	462.50	A
	TOMATO, PROCESSING	620.2036	53	3,608.11	A
	UNCULTIVATED AG	0.2912	2	11.05	A
	VEGETABLES, LEAFY	0.0066	1	0.20	A
	WALNUT	157.2268	32	1,212.00	A
	WATERMELON	118.5688	37	1,343.22	A
	WHEAT	2.1083	1	40.00	A
	Chemical Total	9,735.0526	4,863		
<b>2-METHYL-4,5-TRIMETHYLENE-4-ISOTHIAZOLIN-3-ONE</b>					
	LANDSCAPE MAINTENANCE	0.7667			
	RIGHTS OF WAY	0.0500			
	Chemical Total	0.8167			
<b>METIRAM</b>					
	N-OUTDR PLANTS IN CONTAINERS	4.8000	2	2.00	A
	Chemical Total	4.8000	2		
<b>METOLACHLOR</b>					
	ALMOND	152.8030	1	92.00	A
	BEAN, DRIED	487.4896	4	218.00	A
	BEAN, SUCCULENT	613.1487	8	591.87	A
	CORN (FORAGE - FODDER)	229.5881	2	116.00	A
	LANDSCAPE MAINTENANCE	29.9504			
	LETTUCE, LEAF	0.0794	1	1.00	A
	N-GRNHS FLOWER	29.4182	2	15.00	A
	N-OUTDR FLOWER	198.5736	29	104.00	A
	N-OUTDR PLANTS IN CONTAINERS	85.2247	3	42.73	A
	PEAS	135.7563	8	91.00	A
	RIGHTS OF WAY	7.8449			
	SOIL FUMIGATION/PREPLANT	201.2755	3	170.00	A
	STRUCTURAL PEST CONTROL	1.1246			
	TOMATO	11.9346	1	18.00	A
	TOMATO, PROCESSING	99.4552	1	60.00	A
	Chemical Total	2,283.6668	63		
<b>(S)-METOLACHLOR</b>					
	BEAN, DRIED	19,775.7924	271	13,801.15	A
	BEAN, SUCCULENT	10,253.7492	229	7,401.18	A
	BEAN, UNSPECIFIED	3,021.7455	49	2,167.20	A
	BROCCOLI	12.5395	1	20.00	A
	CORN (FORAGE - FODDER)	30,396.5054	404	19,867.13	A
	CORN, HUMAN CONSUMPTION	2,936.3004	77	2,028.35	A
	COTTON	129,968.4902	839	107,275.24	A
	LANDSCAPE MAINTENANCE	111.9281			
	N-GRNHS PLANTS IN CONTAINERS	9.0494	3	4.75	A

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<b>(S) -METOLACHLOR</b>					
	N-OUTDR FLOWER	925.8175	137	688.64	A
	N-OUTDR PLANTS IN CONTAINERS	180.0151	17	47.45	A
	OAT	102.5961	1	65.00	A
	PEAS	859.3371	94	849.50	A
	PEPPER, FRUITING	2,807.9411	88	2,260.35	A
	PEPPER, SPICE	111.2597	5	78.00	A
	POTATO	2,355.2666	23	1,288.42	A
	RESEARCH COMMODITY	34.1037			
		9.5292	1	135.00	A
	TOTAL POUNDS ON THIS COMMODITY	43.6329			
	SAFFLOWER	170.7560	2	115.00	A
	SOIL FUMIGATION/PREPLANT	551.8339	9	389.80	A
	SORGHUM/MILO	0.7125	1	0.50	A
	SUNFLOWER	1,262.4606	14	842.90	A
	TOMATO	10,394.2308	110	7,175.34	A
	TOMATO, PROCESSING	173,986.5862	1,756	142,102.13	A
	TURF/SOD	225.1554	38	109.23	A
	UNCULTIVATED AG	132.9949	1	70.00	A
	Chemical Total	390,596.6965	4,170		
<b>METRIBUZIN</b>					
	ALFALFA	7,929.8834	316	18,508.97	A
	ASPARAGUS	2,517.9000	61	3,521.33	A
	BEAN, DRIED	135.7500	7	749.00	A
	CORN (FORAGE - FODDER)	55.5881	11	788.00	A
	CORN, HUMAN CONSUMPTION	44.3813	11	542.40	A
	COTTON	8.6700	1	37.00	A
	FORAGE HAY/SILAGE	93.7500	5	210.00	A
	LANDSCAPE MAINTENANCE	61.8248			
	PASTURELAND	2.5008	1	5.00	A
	POTATO	3,090.5456	187	10,430.60	A
	RESEARCH COMMODITY	11.3100			
	RIGHTS OF WAY	9.0000	1	20.00	A
	SOIL FUMIGATION/PREPLANT	182.5275	11	470.00	A
	TOMATO	1,166.9065	69	3,179.55	A
	TOMATO, PROCESSING	7,359.8569	422	26,503.88	A
	UNCULTIVATED AG	321.2100	11	823.00	A
	WHEAT	226.0800	8	450.00	A
	Chemical Total	23,217.6849	1,122		
<b>MEVINPHOS</b>					
	LANDSCAPE MAINTENANCE	0.3710			
	N-GRNHS FLOWER	0.0375	1	1.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.2147	1	2.00	A
	Chemical Total	0.6232	2		
<b>MEVINPHOS, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	0.2473			
	N-GRNHS FLOWER	0.0249	1	1.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.1432	1	2.00	A
	Chemical Total	0.4154	2		
<b>MEXACARBATE</b>					
	LANDSCAPE MAINTENANCE	0.0235			
	Chemical Total	0.0235			
<b>MINERAL OIL</b>					
	ALFALFA	5,086.1769	124	8,483.10	A
	ALMOND	3,187,471.2190	2,977	160,256.72	A
	APPLE	174,903.0308	252	5,070.15	A
	APRICOT	93,779.1476	181	4,642.53	A
	ASPARAGUS	49.3722	2	28.80	A
	AVOCADO	241,669.9436	402	7,681.14	A

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<b>MINERAL OIL</b>					
	BARLEY	2.9441	2	150.00	A
	BEAN, DRIED	10.6434	2	69.00	A
	BEAN, SUCCULENT	80.5733	3	52.00	A
	BEAN, UNSPECIFIED	7.7487	4	8.50	A
	BROCCOLI	332.4458	11	595.00	A
	CANTALOUPE	43.0657	2	160.00	A
	CARROT	737.4846	102	1,046.90	A
	CAULIFLOWER	388.9715	50	235.74	A
	CELERY	1,984.3791	197	1,959.45	A
	CHERRY	138,476.8960	246	4,262.21	A
	CHRISTMAS TREE	59.5004	1	6.00	A
	CITRUS	22,158.2533	52	459.83	A
	COLLARD	147.2541	14	467.50	A
	CORN (FORAGE - FODDER)	212.1116	22	848.00	A
	CORN, HUMAN CONSUMPTION	96.4311	4	144.00	A
	COTTON	1,875.8103	64	4,328.51	A
	DATE	3.0582	1	5.50	A
	ENDIVE (ESCAROLE)	0.4206	2	3.00	A
	FENNEL	25.6461	12	60.00	A
	FOREST, TIMBERLAND	981.2834	42	992.50	A
	GARLIC	204.6514	1	74.00	A
	GRAPE	2,861.8814	13	213.53	A
	GRAPE, WINE	22,815.0099	76	2,313.15	A
	GRAPEFRUIT	33,159.5804	81	1,595.46	A
	KIWI	742.8694	1	20.00	A
	LANDSCAPE MAINTENANCE	2,763.0000			
	LEMON	464,179.2463	390	7,771.05	A
	LETTUCE, HEAD	117.1542	10	57.60	A
	LETTUCE, LEAF	287.3961	24	187.02	A
	MUSTARD	3.0762	2	10.00	A
	N-GRNHS FLOWER	18.2853	2	2.50	A
	N-GRNHS PLANTS IN CONTAINERS	59.2198	4	78,600.00	S
		24.1947	4	3.25	A
	TOTAL POUNDS ON THIS COMMODITY	83.4145			
	N-GRNHS TRANSPLANTS	0.2767	1	0.25	A
	N-OUTDR FLOWER	609.6193	5	17.00	A
	N-OUTDR PLANTS IN CONTAINERS	7,052.2566	105	846.00	A
	N-OUTDR TRANSPLANTS	66.0783	1	9.21	A
	NECTARINE	283,916.1846	667	7,794.52	A
	OAT	0.6309	2	31.00	A
	OLIVE	16,034.2854	10	235.00	A
	ONION, DRY	64.0370	27	167.50	A
	ORANGE	1,980,073.7031	2,692	80,126.55	A
	PEACH	907,210.4869	1,588	31,748.37	A
	PEAR	637,992.2530	419	12,132.46	A
	PEPPER, FRUITING	55.3702	1	36.00	A
	PERSIMMON	16.4030	5	29.50	A
	PLUM	282,673.5508	555	7,065.83	A
	POTATO	597.0670	22	599.92	A
	PRUNE	384,694.2068	390	19,238.70	A
	PUBLIC HEALTH	11.0706			
	QUINCE	342.3383	1	12.00	A
	RASPBERRY	93.2702	2	6.50	A
	RICE	25,618.0043	266	15,962.16	A
	RIGHTS OF WAY	1,497.0357			
		67.5422	3	46.62	A
	TOTAL POUNDS ON THIS COMMODITY	1,564.5779			
	SAFFLOWER	26.2864	1	100.00	A
	SPINACH	232.2473	8	491.00	A
	STRAWBERRY	4.6373	2	9.28	A
	STRUCTURAL PEST CONTROL	71.7601			
	TANGELO	42,469.8487	42	1,343.46	A
	TANGERINE	38,896.8644	95	5,206.25	A
	TOMATO	268.3917	11	495.00	A
	TOMATO, PROCESSING	566.4987	10	712.00	A
	TURNIP	19.9640	2	105.00	A
	UNCULTIVATED AG	18.1031	3	21.00	A
	VERTEBRATE CONTROL	2.1487			

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<b>MINERAL OIL</b>					
	WALNUT	44,380.8803	217	7,614.97	A
	WHEAT (FORAGE - FODDER)	205.1518	12	553.00	A
	Chemical Total	9,053,667.8299	12,544		
<b>MODIFIED PHTHALIC GLYCEROL ALKYD RESIN</b>					
	ALFALFA	302.9461	81	6,211.67	A
	ALMOND	6,401.8862	508	29,053.68	A
	APPLE	1,447.9424	147	6,209.19	A
	APRICOT	205.4085	45	849.08	A
	ARTICHOKE, GLOBE	3,904.8550	488	18,614.00	A
	AVOCADO	202.6925	276	4,192.42	A
	BEAN, DRIED	111.0480	14	465.87	A
	BEAN, SUCCULENT	109.0528	8	288.00	A
	BEEHIVE	1,416.8000	1	160.00	A
	BLUEBERRY	236.6386	35	2,250.70	A
	BOK CHOY	0.5381	2	10.00	A
	BROCCOLI	190.8777	22	1,103.65	A
	CABBAGE	25.7849	25	264.25	A
	CANTALOUPE	4.3212	4	85.00	A
	CAULIFLOWER	172.2909	8	508.41	A
	CELERY	7.0795	8	70.50	A
	CHERRY	5,850.2161	119	2,236.05	A
	CHICORY	35.2940	50	358.00	A
	CHINESE CABBAGE (NAPPA)	1.9531	4	47.90	A
	CITRUS	62.3910	8	81.00	A
	CORN (FORAGE - FODDER)	300.3632	139	5,491.60	A
	CORN, HUMAN CONSUMPTION	5.6754	18	90.00	A
	COTTON	2,178.6466	213	21,769.22	A
	CUCUMBER	5.6180	1	12.00	A
	EGGPLANT	1.4177	3	30.50	A
	ENDIVE (ESCAROLE)	34.2346	1	140.40	A
	GARLIC	39.1814	7	944.00	A
	GRAPE	50,787.3160	6,555	300,823.24	A
	GRAPE, WINE	11,444.4921	2,048	82,017.36	A
	GRAPEFRUIT	151.3317	223	2,287.50	A
	GREENHOUSE FUMIGATION	2.5593		6.00	A
	KIWI	1,552.5742	34	3,566.61	A
	LANDSCAPE MAINTENANCE	10.2568			
	LEMON	690.2319	60	1,494.60	A
	LETTUCE, HEAD	402.5806	297	4,707.38	A
	LETTUCE, LEAF	369.0630	327	4,422.50	A
	MELON	108.2517	14	805.60	A
	N-GRNHS FLOWER	225.6559	201	888.31	A
		12.1446	12	276,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	237.8005			
	N-GRNHS PLANTS IN CONTAINERS	557.3720	908	1,223.02	A
		68.3577	152	5,074,495.50	S
		1.2781	12	30,080.00	U
	TOTAL POUNDS ON THIS COMMODITY	627.0078			
	N-GRNHS TRANSPLANTS	46.4995	190	343.65	A
		2.4974	56	1,086,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	48.9969			
	N-OUTDR FLOWER	286.7250	297	724.45	A
		15.2154	43	3,171,586.00	S
	TOTAL POUNDS ON THIS COMMODITY	301.9404			
	N-OUTDR PLANTS IN CONTAINERS	1,863.4425	468	2,994.46	A
		63.5025	185	11,189,017.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,926.9450			
	N-OUTDR TRANSPLANTS	21.5574	38	1,782,400.00	S
		16.7636	50	98.62	A
	TOTAL POUNDS ON THIS COMMODITY	38.3210			
	NECTARINE	1,893.3300	648	8,411.64	A
	OAT	4.2376	5	312.61	A
	OAT (FORAGE - FODDER)	15.8559	12	441.00	A
	OLIVE	86.5136	8	191.70	A
	ONION, DRY	76.3609	7	767.20	A
	ONION, GREEN	8.3490	1	42.80	A

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<b>MODIFIED PHTHALIC GLYCEROL ALKYD RESIN</b>					
	ORANGE	21,234.3689	1,076	37,556.34	A
	PASTURELAND	0.1950	1	3.00	A
	PEACH	1,580.9177	520	6,775.23	A
	PEAR	87.7703	20	751.80	A
	PEAS	27.4311	23	264.00	A
	PEPPER, FRUITING	67.4202	25	1,050.30	A
	PERSIMMON	8.3811	4	37.50	A
	PISTACHIO	4,463.3134	381	38,854.32	A
	PLUM	836.9927	260	5,788.48	A
	POMEGRANATE	1.5134	4	48.00	A
	POTATO	89.3786	15	720.56	A
	PRUNE	134.9155	15	846.20	A
	PUMPKIN	37.4532	1	12.00	A
	QUINCE	15.9177	7	37.00	A
	RIGHTS OF WAY	110.0527			
	SPINACH	39.1918	6	284.30	A
	SQUASH	3.9556	2	13.00	A
	SQUASH, SUMMER	0.3902	1	1.25	A
	SQUASH, WINTER	2.3408	1	10.00	A
	SQUASH, ZUCCHINI	2.3408	1	10.00	A
	STRAWBERRY	77.8157	47	1,465.00	A
	STRUCTURAL PEST CONTROL	1.3654			
	TANGELO	272.5798	23	285.26	A
	TANGERINE	3,664.3385	160	11,777.67	A
	TOMATILLO	4.7433	2	20.00	A
	TOMATO	9.5848	22	230.39	A
	TOMATO, PROCESSING	95.7317	21	1,548.00	A
	UNCULTIVATED AG	14.8902	5	44.05	A
	VERTEBRATE CONTROL	25.3589			
		9.6559	25	33.00	A
	TOTAL POUNDS ON THIS COMMODITY	35.0148			
	WALNUT	3,471.5485	162	7,035.65	A
	WATERMELON	133.6896	14	685.00	A
	WHEAT	20.5828	8	482.00	A
	Chemical Total	130,585.5952	17,938		
<b>MOLASSES</b>					
	ALMOND	3.3288	1	67.00	A
	AVOCADO	39,547.0505	69	1,504.19	A
	BROCCOLI	0.9440	1	18.98	A
	CITRUS	11,788.6160	15	488.00	A
	COTTON	1.9873	1	71.00	A
	GRAPE, WINE	3.1179	5	167.05	A
	LANDSCAPE MAINTENANCE	0.0621			
	LEMON	30.8534	6	158.00	A
	N-OUTDR PLANTS IN CONTAINERS	10.0268	25	159.84	A
	ORANGE	2,750.1228	11	281.50	A
	PEACH	3.1052	1	10.00	A
	TANGERINE	21,295.2413	26	2,315.37	A
	WALNUT	1,476.6232	301	6,425.17	A
	Chemical Total	76,911.0793	462		
<b>MOLINATE</b>					
	RICE	367,155.4671	1,142	89,593.37	A
	Chemical Total	367,155.4671	1,142		
<b>MONURON</b>					
	N-OUTDR PLANTS IN CONTAINERS	4.2585	12	17.00	A
	Chemical Total	4.2585	12		



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<b>MORPHOLINE</b>					
	ALFALFA	2.1346	6	568.00	A
	ALMOND	14.2096	25	829.20	A
	BROCCOLI	0.2586	2	26.00	A
	CABBAGE	0.4440	2	23.52	A
	CARROT	0.7223	1	20.00	A
	CELERY	2.2548	2	34.00	A
	CITRUS	1.1604	2	13.00	A
	CORN (FORAGE - FODDER)	121.2605	100	4,891.59	A
	CORN, HUMAN CONSUMPTION	5.0749	16	336.20	A
	COTTON	89.6692	74	4,720.00	A
	GRAPE	5.3380	2	55.00	A
	GRAPE, WINE	66.0699	91	3,762.06	A
	GRAPEFRUIT	1.1514	2	11.00	A
	KALE	0.0899	5	5.00	A
	LEMON	38.3393	19	371.00	A
	LETTUCE, HEAD	0.1445	3	27.90	A
	LETTUCE, LEAF	0.7196	23	37.50	A
	MELON	2.6726	2	110.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.2250	4	93,000.00	S
	OLIVE	27.1501	17	607.00	A
	ORANGE	715.5316	291	7,570.21	A
	PEPPER, SPICE	6.2965	3	52.00	A
	POTATO	6.9449	18	460.30	A
	RICE	29.1216	12	1,071.00	A
	RIGHTS OF WAY	1.4992			
	SAFFLOWER	16.5652	8	550.50	A
	SQUASH	0.4454	1	20.00	A
	STRAWBERRY	7.2154	2	96.00	A
	SUGARBEET	2.3150	1	154.00	A
	SUNFLOWER	1.2039	3	160.00	A
	TANGELO	4.3806	5	49.70	A
	TANGERINE	1.4242	2	38.00	A
	TOMATO, PROCESSING	4.4372	4	265.00	A
	UNCULTIVATED AG	60.6697	30	2,566.00	A
	WALNUT	123.4298	26	1,244.00	A
	WATERMELON	1.2821	1	57.00	A
	WHEAT	6.6153	6	521.00	A
	Chemical Total	1,368.4668	811		
<b>MSMA</b>					
	ALMOND	332.8774	5	325.00	A
	BERMUDAGRASS	788.3334	3	346.00	A
	CHERRY	44.7178	2	38.00	A
	COTTON	30,526.0314	437	24,611.86	A
	GRAPE, WINE	0.8393	2	2.00	A
	LANDSCAPE MAINTENANCE	10,809.6449			
		0.1218	2	12.00	A
	TOTAL POUNDS ON THIS COMMODITY	10,809.7667			
	N-OUTDR PLANTS IN CONTAINERS	249.1703	5	115.50	A
	N-OUTDR TRANSPLANTS	60.7532	1	20.00	A
	ORANGE	413.1273	12	247.60	A
	RIGHTS OF WAY	1,156.5531			
	STRUCTURAL PEST CONTROL	61.3737			
	TURF/SOD	639.5155	16	339.16	A
	UNCULTIVATED AG	136.6947	3	65.00	A
	Chemical Total	45,219.7538	488		
<b>MUSCALURE</b>					
	ANIMAL PREMISE	2.9524		504.00	U
		0.6564		3,509,257.00	S
		0.4627		196.00	A
	TOTAL POUNDS ON THIS COMMODITY	4.0715			
	FUMIGATION, OTHER	0.0450			
	LANDSCAPE MAINTENANCE	1.9955			

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<b>MUSCALURE</b>					
	POULTRY	0.1905		313.00	U
		0.0060		30.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.1965			
	STRUCTURAL PEST CONTROL	3.1945			
		0.2775		184.00	U
	TOTAL POUNDS ON THIS COMMODITY	3.4720			
	Chemical Total	9.7805			
<b>MYCLOBUTANIL</b>					
	ALMOND	8,719.5335	864	50,733.70	A
	APPLE	794.9624	407	7,282.14	A
	APRICOT	182.7268	109	1,483.46	A
		0.0275	2	35.00	U
	TOTAL POUNDS ON THIS COMMODITY	182.7543			
	ARTICHOKE, GLOBE	1,006.7696	451	12,837.00	A
	ASPARAGUS	295.0971	60	2,360.76	A
	BEAN, SUCCULENT	29.7320	17	273.00	A
	BLACKBERRY	2.3750	6	27.00	A
	CANTALOUPE	268.4430	35	2,664.95	A
	CHERRY	830.0971	270	6,281.55	A
		0.0075	1	15.00	U
	TOTAL POUNDS ON THIS COMMODITY	830.1046			
	COTTON	2,635.4175		6,102.90	T
	CUCUMBER	70.0410	55	671.08	A
	GRAPE	17,495.6715	4,546	177,289.53	A
	GRAPE, WINE	23,353.3491	7,302	266,652.74	A
		8.4000	3	74.00	U
	TOTAL POUNDS ON THIS COMMODITY	23,361.7491			
	HERB, SPICE	2.8480	2	38.00	A
	LANDSCAPE MAINTENANCE	1,295.3158			
	MELON	590.7618	94	5,511.07	A
	MINT	0.2000	1	2.00	A
	N-GRNHS FLOWER	150.5113	427	1,339.92	A
		19.1295	68	1,822,798.00	S
		0.1000	4	34,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	169.7408			
	N-GRNHS PLANTS IN CONTAINERS	79.4821	287	549.92	A
		20.8966	136	4,712,917.00	S
		0.1000	1	2,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	100.4787			
	N-GRNHS TRANSPLANTS	2.7038	27	10.80	A
		1.1675	19	194,272.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.8713			
	N-OUTDR FLOWER	240.0980	529	2,179.91	A
		4.9870	26	545,952.00	S
	TOTAL POUNDS ON THIS COMMODITY	245.0850			
	N-OUTDR PLANTS IN CONTAINERS	316.9872	688	2,965.42	A
		10.5359	92	1,706,043.00	S
		1.4721	19	66,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	328.9952			
	N-OUTDR TRANSPLANTS	307.1150	151	1,738.83	A
		5.9255	27	1,063,300.00	S
		0.4000	1	25,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	313.4405			
	NECTARINE	684.0314	232	5,077.02	A
	PEACH	514.4555	262	4,299.43	A
		0.0250	1	30.00	U
	TOTAL POUNDS ON THIS COMMODITY	514.4805			
	PEAR	0.1375	3	2.50	A
	PEPPER, FRUITING	1,250.1610	463	12,541.18	A
	PEPPER, SPICE	134.2200	65	1,339.10	A
	PIMENTO	22.8280	12	228.20	A
	PLUM	670.9621	367	4,246.03	A
		0.0025	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	670.9646			
	PRUNE	40.6520	20	383.00	A
	PUBLIC HEALTH	1.4586			

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<b>MYCLOBUTANIL</b>					
	PUMPKIN	246.3095	107	2,193.93	A
	RANGELAND	1.5500	1	31.00	A
	RASPBERRY	101.9650	100	1,090.47	A
	REGULATORY PEST CONTROL	0.0085			
	RESEARCH COMMODITY	3.7376			
		0.0880	4	0.25	A
		0.0018	5	245.00	U
	TOTAL POUNDS ON THIS COMMODITY	3.8274			
	RIGHTS OF WAY	2.7875			
		0.3750	2	6.00	A
	TOTAL POUNDS ON THIS COMMODITY	3.1625			
	SPINACH	11.6475	2	155.30	A
	SQUASH	54.6520	48	528.74	A
	SQUASH, SUMMER	82.2600	91	782.36	A
	SQUASH, WINTER	33.0040	8	264.00	A
	STRAWBERRY	4,321.0664	1,638	41,155.81	A
	STRUCTURAL PEST CONTROL	110.1777			
	TOMATO	1,414.8980	294	13,987.90	A
	TOMATO, PROCESSING	1,846.5635	294	19,310.34	A
	TURF/SOD	4.8000		5.25	A
	UNKNOWN	0.2500	1	2.50	A
	VERTEBRATE CONTROL	13.0000			
		10.6640	5	106.62	A
	TOTAL POUNDS ON THIS COMMODITY	23.6640			
	WATERMELON	573.4249	181	5,087.06	A
	Chemical Total	70,895.5522	20,934		
<b>MYRISTYL ALCOHOL</b>					
	APPLE	18.3264	66	1,136.68	A
	GRAPE, WINE	0.3413	1	30.00	A
	NECTARINE	1.3038	1	2.00	A
	PEACH	0.2359	1	74.00	A
	PEAR	38.4092	124	4,641.30	A
	WALNUT	1.3232	10	125.40	A
	Chemical Total	59.9398	203		
<b>MYROTHECIUM VERRUCARIA, DRIED FERMENTATION SOLIDS &amp; SOLUBLES, STRAIN AARC-0255</b>					
	BOK CHOY	562.5349	70	86.05	A
	BROCCOLI	1,564.3521	47	559.45	A
	BRUSSELS SPROUT	13.6593	1	1.50	A
	CABBAGE	322.7006	17	53.85	A
	CAULIFLOWER	1,791.7794	58	781.20	A
	CHINESE CABBAGE (NAPPA)	1,406.1321	69	210.30	A
	GRAPE	9,400.9779	109	3,957.61	A
		0.1304	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	9,401.1083			
	GRAPE, WINE	19,627.4024	150	1,954.59	A
	KALE	47.5799	9	19.50	A
	LANDSCAPE MAINTENANCE	0.0960			
	LETTUCE, HEAD	579.7800	13	318.10	A
	LETTUCE, LEAF	284.4000	6	158.00	A
	PEACH	33.2376	1	1.33	A
	PRUNE	2,201.8538	7	50.93	A
	TANGELO	100.1681	2	11.00	A
	WALNUT	1,851.9678	15	184.50	A
	Chemical Total	39,788.7523	575		
<b>NAA</b>					
	LANDSCAPE MAINTENANCE	0.4775			
	N-GRNHS FLOWER	1.7587	12	12.00	A
	N-GRNHS PLANTS IN CONTAINERS	1.4645	65	320,220.00	S
		0.8250	14	14.34	A
	TOTAL POUNDS ON THIS COMMODITY	2.2895			

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<b>NAA</b>					
	N-GRNHS TRANSPLANTS	0.2078	38	24,476.00	U
		0.0136	13	30.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.2214			
	N-OUTDR PLANTS IN CONTAINERS	3.8927	14	825,454.00	U
		0.1246	13	1,032.23	A
		0.0000	1	60.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.0173			
	N-OUTDR TRANSPLANTS	0.0034	2	3,600.00	S
		0.0000	9	1,800.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0034			
	RIGHTS OF WAY	0.0750			
	Chemical Total	8.8428	181		
<b>NAA, AMMONIUM SALT</b>					
	APPLE	93.6104	83	1,691.48	A
	GRAPE, WINE	2.3296	1	30.00	A
	LANDSCAPE MAINTENANCE	233.7124			
	OLIVE	195.6392	30	779.46	A
	PEAR	829.7845	318	10,387.95	A
	RIGHTS OF WAY	0.2262			
	STRUCTURAL PEST CONTROL	0.3318			
	Chemical Total	1,355.6341	432		
<b>NAA, ETHYL ESTER</b>					
	LANDSCAPE MAINTENANCE	0.7271			
	Chemical Total	0.7271			
<b>NAA, SODIUM SALT</b>					
	APPLE	9.8762	21	642.35	A
	Chemical Total	9.8762	21		
<b>NABAM</b>					
	LANDSCAPE MAINTENANCE	273.7980			
	WATER (INDUSTRIAL)	10,419.6278		5.00	U
	Chemical Total	10,693.4258			
<b>NALED</b>					
	ALFALFA	7,623.1925	78	6,205.10	A
	ALMOND	1,092.4594	14	744.90	A
	ANIMAL PREMISE	1,845.0017		365.00	U
		126.2015		1,920,000.00	S
		13.2937		93.82	A
	TOTAL POUNDS ON THIS COMMODITY	1,984.4969			
	BEAN, DRIED	1,501.2190	33	1,897.00	A
	BEAN, SUCCULENT	326.5513	15	322.00	A
	BEAN, UNSPECIFIED	40.7874	4	38.00	A
	BLACKBERRY	10.0710	1	10.00	A
	BROCCOLI	24,315.4348	732	15,521.42	A
	BRUSSELS SPROUT	40.6867	3	30.20	A
	CABBAGE	1,590.5076	114	1,176.35	A
	CAULIFLOWER	2,459.9863	157	1,780.15	A
	CELERY	28.8433	1	14.30	A
	CITRUS	50.3549	1	100.00	A
	COLLARD	381.4882	22	286.50	A
	COTTON	36,386.6996	383	39,756.69	A
	GRAPE	388.9273	15	529.60	A
	GRAPE, WINE	80.5592	8	137.00	A
	KALE	272.8332	49	161.90	A
	LANDSCAPE MAINTENANCE	9,754.3533			
	LEMON	2.0142	1	1.00	A
	N-GRNHS FLOWER	894.5655	117	310.00	A
		1.2588	1	12,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	895.8243			

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<b>NALED</b>					
	N-GRNHS PLANTS IN CONTAINERS	1.8971	5	6.50	A
	N-GRNHS TRANSPLANTS	13.0927	14	14.00	A
	N-OUTDR FLOWER	153.4352	20	100.32	A
	N-OUTDR PLANTS IN CONTAINERS	80.0039	9	79.50	A
	N-OUTDR TRANSPLANTS	5.0481	4	6.00	A
	ORANGE	1,167.5451	25	847.90	A
	PASTURELAND	7.3014	4	80.00	A
	PEACH	21.6374	4	190.00	A
	PEAS	277.5242	79	641.75	A
	PEPPER, FRUITING	207.4620	6	108.00	A
	PEPPER, SPICE	192.2333	7	152.00	A
	PUBLIC HEALTH	18,498.6738			
	REGULATORY PEST CONTROL	923.1328			
	RESEARCH COMMODITY	33.1838			
	SAFFLOWER	1,970.3651	4	1,605.40	A
	SQUASH, SUMMER	34.6831	2	17.25	A
	STRAWBERRY	19,653.3447	1,082	22,209.27	A
	STRUCTURAL PEST CONTROL	4,709.9654			
	SUGARBEET	9,409.0202	138	9,746.70	A
	SUGARBEET (FORAGE - FODDER)	334.4367	5	332.00	A
	TANGERINE	56.9010	3	37.50	A
	WALNUT	5,501.1489	131	4,883.25	A
	Chemical Total	152,479.3263	3,291		
<b>NAPHTHA, HEAVY AROMATIC</b>					
	LANDSCAPE MAINTENANCE	52.8694			
	STRUCTURAL PEST CONTROL	0.4924			
	Chemical Total	53.3618			
<b>1-NAPHTHALENEACETAMIDE</b>					
	APPLE	112.9647	116	2,198.69	A
	COMMODITY FUMIGATION	0.1890			
	LANDSCAPE MAINTENANCE	0.0203			
	N-GRNHS PLANTS IN CONTAINERS	0.0003	1	0.25	A
	PEAR	0.0525	1	2.00	A
	Chemical Total	113.2268	118		
<b>NAPROPAMIDE</b>					
	ALMOND	1,645.0150	24	657.60	A
	APPLE	410.1000	23	222.40	A
	APRICOT	1.0000	1	4.00	A
	ASPARAGUS	1,628.6800	31	762.09	A
	AVOCADO	12.0000	1	6.00	A
	BASIL, SWEET	180.2615	40	142.36	A
	BLACKBERRY	131.4000	11	57.61	A
	BLUEBERRY	122.0000	3	44.00	A
	BROCCOLI	4,948.0295	406	7,606.79	A
	CABBAGE	6.8450	3	29.50	A
	CAULIFLOWER	1,023.6250	65	1,149.80	A
	CHERRY	287.0000	8	263.00	A
	EGGPLANT	49.5000	4	55.00	A
	GRAPE	2,937.0650	49	1,066.30	A
	GRAPE, WINE	1,352.8440	112	582.08	A
	GRAPEFRUIT	40.0000	1	10.00	A
	HERB, SPICE	337.5000	4	135.00	A
	LANDSCAPE MAINTENANCE	125.8250			
	LEMON	20.0000	2	9.00	A
	N-OUTDR FLOWER	126.5000	23	41.00	A
	N-OUTDR PLANTS IN CONTAINERS	2,509.6600	235	1,058.83	A
	N-OUTDR TRANSPLANTS	612.2500	28	368.39	A
	NECTARINE	28.2500	9	49.00	A
	OLIVE	24.5000	5	26.77	A
	ORANGE	963.0000	18	258.90	A
	PEACH	913.5750	21	457.91	A

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<b>NAPROPAMIDE</b>					
	PEPPER, FRUITING	3,007.5673	72	2,055.13	A
	PEPPER, SPICE	366.9000	19	228.60	A
	PERSIMMON	178.8000	12	101.97	A
	PISTACHIO	1.5000	1	0.50	A
	PLUM	37.5550	8	84.40	A
	POMEGRANATE	1.2500	1	2.50	A
	PRUNE	2,030.0000	5	1,015.00	A
	RESEARCH COMMODITY	44.9088			
	RIGHTS OF WAY	263.0625			
	SOIL FUMIGATION/PREPLANT	1,271.3000	22	686.25	A
	STRAWBERRY	4,159.8568	70	2,542.89	A
	STRUCTURAL PEST CONTROL	0.1095			
	SWEET POTATO	24.0000	5	67.00	A
	TANGERINE	76.8000	1	19.20	A
	TOMATO	718.7000	20	526.80	A
	TOMATO, PROCESSING	6,885.3374	158	8,612.29	A
	TURF/SOD	714.6100	6	187.69	A
	WALNUT	170.2500	7	86.50	A
	Chemical Total	40,388.9323	1,534		
<b>NEBURON</b>					
	LANDSCAPE MAINTENANCE	9.3520			
	N-OUTDR PLANTS IN CONTAINERS	26.5530	12	17.00	A
	Chemical Total	35.9050	12		
<b>NEROLIDOL</b>					
	BEAN, DRIED	0.0997	1	95.00	A
	CORN (FORAGE - FODDER)	1.9728	36	1,624.62	A
	COTTON	1.4631	23	1,308.00	A
	CUCUMBER	0.1885	5	148.00	A
	GRAPE, WINE	0.0381	2	268.24	A
	N-GRNHS FLOWER	0.0084	3	3.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.4625	60	127.68	A
		0.0011	2	4,894.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4636			
	N-OUTDR PLANTS IN CONTAINERS	1.6858	30	609.20	A
	SQUASH	0.0417	1	40.00	A
	WATERMELON	0.1084	1	70.00	A
	Chemical Total	6.0701	164		
<b>NICOSULFURON</b>					
	ALFALFA	2.3250	1	73.00	A
	CLOVER	2.0002	3	128.00	A
	CORN (FORAGE - FODDER)	1,498.7719	811	42,664.48	A
	CORN, HUMAN CONSUMPTION	97.9582	91	2,841.70	A
	GRAPE	40.6818	13	480.00	A
	GRAPE, WINE	1.6797	1	14.43	A
	RIGHTS OF WAY	0.0619			
	SUGARBEET	43.6500	1	150.00	A
	UNCULTIVATED AG	0.3750	1	8.00	A
	WHEAT (FORAGE - FODDER)	0.1875	1	29.00	A
	Chemical Total	1,687.6912	923		
<b>NICOTINE</b>					
	N-GRNHS FLOWER	2.9988	1	2.00	A
	REGULATORY PEST CONTROL	0.0525			
	RESEARCH COMMODITY	0.4518			
	Chemical Total	3.5031	1		

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<b>NITHIAZINE</b>					
	ANIMAL PREMISE	0.0084		1,800.00	S
		0.0028		1.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0112			
	LANDSCAPE MAINTENANCE	0.0006			
	STRUCTURAL PEST CONTROL	0.0264			
	Chemical Total	0.0382			
<b>NITRAPYRIN</b>					
	APPLE	10.8736	1	12.00	A
	CORN, HUMAN CONSUMPTION	0.8850	1	26.00	A
	N-GRNHS FLOWER	0.0708	1	4.00	A
	STRUCTURAL PEST CONTROL	0.6067			
	Chemical Total	12.4361	3		
<b>NITRAPYRIN, OTHER RELATED</b>					
	APPLE	1.2245	1	12.00	A
	N-GRNHS FLOWER	0.0080	1	4.00	A
	Chemical Total	1.2325	2		
<b>NITROFEN</b>					
	GRAPE, WINE	1.1875	4	12.00	A
	Chemical Total	1.1875	4		
<b>NITROGEN, LIQUIFIED</b>					
	STRUCTURAL PEST CONTROL	79,369.1434			
	Chemical Total	79,369.1434			
<b>NONANOIC ACID</b>					
	GRAPE, WINE	46.6724	7	27.33	A
	LANDSCAPE MAINTENANCE	3,876.1061			
	N-GRNHS FLOWER	356.8197	3	330,000.00	S
		313.9140	50	79.80	A
	TOTAL POUNDS ON THIS COMMODITY	670.7337			
	N-GRNHS PLANTS IN CONTAINERS	300.1709	62	47.95	A
		194.7354	45	578,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	494.9063			
	N-GRNHS TRANSPLANTS	22.4348	6	7.30	A
	N-OUTDR FLOWER	0.8613	2	400.00	S
	N-OUTDR PLANTS IN CONTAINERS	870.8868	211	209.36	A
		137.8540	51	603,100.00	S
		0.6844	1	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,009.4252			
	N-OUTDR TRANSPLANTS	5.7422	3	7.00	A
	ONION, DRY	42.7329	1	10.00	A
	ORANGE	106.8323	1	44.00	A
	PISTACHIO	6.4099	1	2.00	A
	PLUM	3.2050	1	3.00	A
	PUBLIC HEALTH	0.2009			
	RIGHTS OF WAY	641.6864			
	STRUCTURAL PEST CONTROL	53.2826			
	TANGELO	0.2671	1	2.00	A
	TOMATO, PROCESSING	9.6149	1	6.00	A
	UNCULTIVATED AG	3.2050		10.00	A
	WALNUT	229.7322	8	585.00	A
	Chemical Total	7,224.0512	455		
<b>NONANOIC ACID, OTHER RELATED</b>					
	GRAPE, WINE	2.4564	7	27.33	A
	LANDSCAPE MAINTENANCE	204.0056			
	N-GRNHS FLOWER	18.7800	3	330,000.00	S
		16.5218	50	79.80	A
	TOTAL POUNDS ON THIS COMMODITY	35.3018			

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<b>NONANOIC ACID, OTHER RELATED</b>					
	N-GRNHS PLANTS IN CONTAINERS	15.7985	62	47.95	A
		10.2492	45	578,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	26.0477			
	N-GRNHS TRANSPLANTS	1.1808	6	7.30	A
	N-OUTDR FLOWER	0.0453	2	400.00	S
	N-OUTDR PLANTS IN CONTAINERS	45.8361	211	209.36	A
		7.2555	51	603,100.00	S
		0.0360	1	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	53.1276			
	N-OUTDR TRANSPLANTS	0.3022	3	7.00	A
	ONION, DRY	2.2491	1	10.00	A
	ORANGE	5.6228	1	44.00	A
	PISTACHIO	0.3374	1	2.00	A
	PLUM	0.1687	1	3.00	A
	PUBLIC HEALTH	0.0106			
	RIGHTS OF WAY	33.7730			
	STRUCTURAL PEST CONTROL	2.8043			
	TANGELO	0.0141	1	2.00	A
	TOMATO, PROCESSING	0.5060	1	6.00	A
	UNCULTIVATED AG	0.1687		10.00	A
	WALNUT	12.0912	8	585.00	A
	Chemical Total	380.2133	455		
<b>4-NONYLPHENOL, FORMALDEHYDE RESIN, PROPOXYLATED</b>					
	ALFALFA	2,269.1100	768	48,097.75	A
	ALMOND	18,248.1970	2,518	162,653.24	A
		2.8872		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	18,251.0842			
	APPLE	266.9223	147	3,002.34	A
	APRICOT	931.2294	85	5,484.00	A
	ARTICHOKE, GLOBE	844.8369	184	7,794.20	A
	ASPARAGUS	103.6189	9	1,418.20	A
	BARLEY	6.2428	9	328.00	A
	BASIL, SWEET	1.8135	3	67.00	A
	BEAN, DRIED	281.7954	89	5,625.00	A
	BEAN, SUCCULENT	74.9981	26	1,487.50	A
	BEAN, UNSPECIFIED	16.3171	4	109.20	A
	BERMUDAGRASS	18.7666	8	515.00	A
	BLACKBERRY	0.0833	1	2.00	A
	BLUEBERRY	12.8387	6	96.00	A
	BOK CHOY	1.2848	4	38.15	A
	BROCCOLI	462.2203	303	3,812.01	A
	CABBAGE	1.5590	4	33.00	A
	CANTALOUPE	51.7602	29	1,930.10	A
	CARDON	1.5022	7	22.20	A
	CARROT	965.1858	129	7,249.30	A
	CAULIFLOWER	45.6391	78	646.19	A
	CELERY	98.9965	132	790.19	A
	CHERRY	971.2917	444	9,917.67	A
	CHESTNUT	1.6917	4	22.00	A
	CILANTRO	13.4370	3	50.20	A
	CITRUS	10.8762	7	98.00	A
	CLOVER	0.4511	1	20.00	A
	COLLARD	4.3307	2	60.00	A
	CORN (FORAGE - FODDER)	370.7932	157	11,699.45	A
	CORN, HUMAN CONSUMPTION	190.8610	142	1,933.94	A
	COTTON	6,364.6057	2,139	200,661.84	A
	CUCUMBER	12.3391	5	175.00	A
	DITCH BANK	2.7331	2	40.00	A
	EGGPLANT	5.8465	2	48.00	A
	FENNEL	1.5835	5	23.40	A
	FIG	10.1515	6	360.00	A
	FORAGE HAY/SILAGE	0.4633	4	140.00	A
	FOREST, TIMBERLAND	0.2764	2	38.00	A
	GARLIC	77.1778	16	1,163.20	A
	GRAPE	5,964.6891	1,940	88,540.37	A
	GRAPE, WINE	4,768.4134	1,575	65,718.58	A



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<b>4-NONYLPHENOL, FORMALDEHYDE RESIN, PROPOXYLATED</b>					
	GRAPEFRUIT	17.0162	8	55.00	A
	LANDSCAPE MAINTENANCE	7.9935			
	LEMON	222.2690	55	1,171.46	A
	LETTUCE, HEAD	1,424.0027	1,015	24,399.42	A
	LETTUCE, LEAF	243.1375	235	3,004.12	A
	MELON	17.8600	9	596.90	A
	N-GRNHS PLANTS IN CONTAINERS	11.0232	32	29.26	A
	N-OUTDR PLANTS IN CONTAINERS	949.5820	1,221	6,185.59	A
	N-OUTDR TRANSPLANTS	45.8311	44	300.85	A
	NECTARINE	393.8318	997	13,189.22	A
	OAT	12.4153	6	255.80	A
	OAT (FORAGE - FODDER)	9.5893	14	715.42	A
	OILSEED	5.6299	6	52.00	A
	OLIVE	258.2688	53	1,405.50	A
	ONION, DRY	143.7313	83	3,558.80	A
	ORANGE	5,776.8505	1,022	29,993.33	A
	PARSLEY	5.6444	1	100.00	A
	PASTURELAND	0.2980	1	3.50	A
	PEACH	2,207.9791	1,326	20,322.36	A
	PEAR	816.9172	191	8,126.91	A
	PECAN	1.3621	1	9.00	A
	PEPPER, FRUITING	78.7628	46	1,326.13	A
	PEPPER, SPICE	1.0715	1	6.00	A
	PERSIMMON	0.0976	2	10.00	A
	PISTACHIO	10,980.6859	830	110,203.49	A
	PLUM	228.4418	393	4,136.28	A
	POMEGRANATE	671.6879	64	13,676.26	A
	POTATO	420.8779	164	6,449.74	A
	PRUNE	621.4296	107	4,943.65	A
	PUMPKIN	2.0828	3	35.00	A
	QUINCE	0.9883	1	4.00	A
	RAPPINI	0.8391	2	12.40	A
	RASPBERRY	0.5466	2	21.00	A
	RICE	1,104.3709	162	10,912.14	A
	RIGHTS OF WAY	46.4855			
	RYEGRASS	114.0606	9	397.30	A
	SAFFLOWER	16.0959	9	446.00	A
	SOIL FUMIGATION/PREPLANT	144.3016	38	2,511.90	A
	SORGHUM (FORAGE - FODDER)	38.4063	9	564.00	A
	SORGHUM/MILO	10.1611	4	147.00	A
	SPINACH	70.8521	96	748.16	A
	SQUASH	7.4973	4	85.00	A
	SQUASH, SUMMER	1.0205	1	4.00	A
	STRAWBERRY	902.5455	528	14,325.08	A
	STRUCTURAL PEST CONTROL	3.3834			
	SUDANGRASS	6.1294	1	90.00	A
	SUGARBEET	102.5168	62	4,663.65	A
	SUNFLOWER	2.8872	1	40.00	A
	TANGELO	210.5225	75	1,816.90	A
	TANGERINE	36.6550	23	298.00	A
	TOMATILLO	2.2193	2	21.00	A
	TOMATO	352.0904	231	9,235.65	A
	TOMATO, PROCESSING	1,359.0196	267	21,074.24	A
	TURF/SOD	36.9091	16	425.00	A
	UNCULTIVATED AG	262.2150	92	2,716.10	A
	UNCULTIVATED NON-AG	86.1742	7	506.68	A
	WALNUT	2,162.3075	382	16,533.25	A
	WATERMELON	226.1213	101	2,608.96	A
	WHEAT	321.6493	198	17,401.20	A
	WHEAT (FORAGE - FODDER)	87.0094	117	6,211.22	A
Chemical Total		76,772.1685	21,369		
<b>ALPHA- ( PARA-NONYLPHENYL )-OMEGA-HYDROXPOLY ( OXYETHYLENE )</b>					
	ALFALFA	60,277.1762	9,498	624,928.13	A
	ALMOND	196,549.5896	12,770	796,744.05	A
	APPLE	3,637.1586	501	11,592.80	A

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<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
APRICOT		2,093.6827	396	8,171.51	A
		0.8456	2	80.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,094.5283			
ARRUGULA		1.6497	2	11.00	A
ARTICHOKE, GLOBE		362.6356	125	2,064.20	A
ASPARAGUS		5,823.7929	389	21,257.75	A
AVOCADO		2,648.2645	359	5,722.36	A
BARLEY		1,192.1669	191	11,756.01	A
BARLEY (FORAGE - FODDER)		56.4613	7	597.00	A
BEAN, DRIED		1,516.9706	267	12,956.36	A
BEAN, SUCCULENT		1,036.7799	299	8,038.31	A
BEAN, UNSPECIFIED		378.7185	86	3,164.64	A
BEEF		22.3426	43	105.75	A
BERMUDAGRASS		993.7289	101	7,272.00	A
BLACKBERRY		42.1447	14	85.00	A
BLUEBERRY		1,226.8255	72	2,736.59	A
BOK CHOY		24.0530	96	234.28	A
BOYSENBERRY		57.6563	2	59.00	A
BROCCOLI		5,481.0089	2,762	49,229.90	A
		2.0792	39	1,510,650.00	S
	TOTAL POUNDS ON THIS COMMODITY	5,483.0881			
BUILDINGS/NON-AG OUTDOOR		0.0648		1.00	A
CABBAGE		600.0987	663	6,638.46	A
CACTUS PEAR		40.5956	1	129.50	A
CANOLA (RAPE)		106.9227	27	1,564.00	A
CANTALOUPE		2,133.4185	237	19,372.90	A
CARDOON		6.1309	6	26.54	A
CARROT		1,936.9607	377	16,839.99	A
CAULIFLOWER		2,347.5624	951	13,694.58	A
CELERY		4,747.3906	2,569	37,254.20	A
CHERRY		5,185.2321	942	19,282.88	A
CHESTNUT		12.6701	6	25.50	A
CHICORY		144.3966	51	764.21	A
CHINESE CABBAGE (NAPPA)		67.0304	105	581.30	A
CHINESE GREENS		1.6301	1	8.60	A
CHRISTMAS TREE		4.3705	12	16.90	A
CILANTRO		20.6211	6	141.74	A
CITRUS		469.0289	92	1,901.96	A
CLOVER		468.7986	40	1,896.30	A
COLLARD		106.7497	69	1,265.05	A
COMMODITY FUMIGATION		84.7944			
CORN (FORAGE - FODDER)		20,596.7792	2,258	117,033.07	A
CORN, HUMAN CONSUMPTION		6,984.6835	1,870	63,769.78	A
COTTON		121,028.5671	14,500	1,360,755.59	A
COTTON (FORAGE - FODDER)		14.7597	1	36.00	A
COUNTY AG COMM		33.3200	1	200.00	A
CUCUMBER		205.8309	54	1,476.37	A
DATE		65.6873	3	60.00	A
DITCH BANK		44.9746	12	225.00	A
EGGPLANT		10.7320	10	127.62	A
ENDIVE (ESCAROLE)		30.6258	49	118.35	A
FENNEL		86.3861	12	155.80	A
FIG		1,050.7175	53	3,273.90	A
FORAGE HAY/SILAGE		543.0340	75	5,578.66	A
FOREST, TIMBERLAND		6,797.8413	523	17,281.70	A
GAI LON		12.4586	2	51.00	A
GARLIC		1,557.3788	103	12,082.33	A
GRAIN		13.6764	2	173.00	A
GRAPE		44,606.6959	6,308	229,148.07	A
GRAPE, WINE		97,762.6664	15,924	496,513.60	A
		37.4285	15	212.00	U
	TOTAL POUNDS ON THIS COMMODITY	97,800.0949			
GRAPEFRUIT		668.6049	81	2,052.60	A
HERB, SPICE		46.7063	2	38.00	A
HORSERADISH		3.4412	3	200.00	A
INDUSTRIAL SITE		1.6244		2.00	A
JOJOBA BEAN		26.8018	4	160.00	A
KALE		399.8106	191	1,466.52	A

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<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	KIWI	1,003.1759	85	1,499.19	A
	KOHLRABI	0.4339	3	1.57	A
	LANDSCAPE MAINTENANCE	8,838.3810			
		12.5832	5	27.50	A
	TOTAL POUNDS ON THIS COMMODITY	8,850.9642			
	LEMON	4,794.5782	510	12,937.06	A
	LETTUCE, HEAD	9,560.8505	4,698	71,703.94	A
	LETTUCE, LEAF	4,578.3869	3,351	36,903.45	A
	LIME	0.2509	1	1.00	A
	MELON	437.8824	67	4,352.59	A
	MINT	169.7837	92	4,189.91	A
	MUSTARD	44.2170	67	613.53	A
	N-GRNHS FLOWER	271.3185	916	2,054.29	A
		8.7409	47	1,744,212.00	S
	TOTAL POUNDS ON THIS COMMODITY	280.0594			
	N-GRNHS PLANTS IN CONTAINERS	239.9491	456	517.23	A
		33.6748	88	1,544,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	273.6239			
	N-GRNHS TRANSPLANTS	65.8036	648	435.43	A
		0.0236		10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	65.8272			
	N-OUTDR FLOWER	1,023.0202	1,408	7,241.31	A
	N-OUTDR PLANTS IN CONTAINERS	6,974.4924	3,820	21,123.31	A
		60.0551	140	2,559,326.70	S
		7.0231	11	271,300.00	U
	TOTAL POUNDS ON THIS COMMODITY	7,041.5706			
	N-OUTDR TRANSPLANTS	877.3736	385	4,802.08	A
		129.8856	7	558,000.00	U
		2.7412	58	2,651,004.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,010.0004			
	NECTARINE	11,446.1137	3,720	52,568.12	A
	OAT	1,096.8252	147	7,059.44	A
	OAT (FORAGE - FODDER)	3,105.3879	439	23,896.42	A
	OLIVE	2,788.1865	377	9,375.83	A
		11.4470	122	6,359.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,799.6335			
	ONION, DRY	2,996.5744	748	42,438.95	A
	ONION, GREEN	263.8991	261	1,863.20	A
	ORANGE	33,094.7822	3,785	120,342.66	A
	ORCHARD FLOOR	12.0902	4	18.50	A
	PARSLEY	62.9439	39	974.43	A
	PASTURELAND	354.5790	74	4,715.00	A
	PEACH	16,457.8890	4,671	75,964.75	A
		0.0257	1	30.00	U
	TOTAL POUNDS ON THIS COMMODITY	16,457.9147			
	PEAR	1,478.9216	216	6,251.06	A
	PEAS	62.6178	42	436.73	A
	PECAN	211.3222	64	1,044.25	A
	PEPPER, FRUITING	2,181.1631	572	16,017.36	A
	PEPPER, SPICE	227.3318	84	1,996.40	A
	PERSIMMON	19.7528	23	128.40	A
	PISTACHIO	35,773.1615	2,068	136,548.38	A
	PLUM	6,386.8311	1,882	24,101.57	A
	POMEGRANATE	582.3801	59	4,973.31	A
	POTATO	2,230.2623	542	28,051.46	A
	POULTRY	1.4685		10.00	A
	PRUNE	4,562.8053	632	31,218.31	A
	PUBLIC HEALTH	34,775.8907			
	PUMPKIN	546.3973	87	2,659.64	A
	QUINCE	15.9495	12	103.00	A
	RADISH	44.6423	63	371.67	A
	RANGELAND	1,666.4565	125	13,011.63	A
	RAPPINI	120.4478	96	1,426.80	A
	RASPBERRY	40.9635	34	273.00	A
	REGULATORY PEST CONTROL	1,240.7045			
		217.7254		290.79	A
	TOTAL POUNDS ON THIS COMMODITY	1,458.4299			

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<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	RESEARCH COMMODITY	44.7629			
		1.4246	2	35.00	A
	TOTAL POUNDS ON THIS COMMODITY	46.1875			
	RICE	22,932.5325	4,843	338,448.93	A
	RIGHTS OF WAY	108,269.7540			
		84.6269	40	627.94	A
	TOTAL POUNDS ON THIS COMMODITY	108,354.3809			
	RYE	1.4971	3	53.60	A
	RYEGRASS	331.2326	28	1,310.00	A
	SAFFLOWER	243.7155	25	1,615.50	A
	SOIL FUMIGATION/PREPLANT	1,403.1927	210	16,857.50	A
	SORGHUM (FORAGE - FODDER)	236.5264	30	1,633.00	A
	SORGHUM/MILO	94.5024	32	1,060.90	A
	SOYBEAN	34.3677	12	768.00	A
	SOYBEAN GRAIN	6.9273	4	150.00	A
	SPINACH	1,225.8096	340	3,293.02	A
	SQUASH	172.2467	52	1,026.40	A
	SQUASH, SUMMER	37.6930	11	149.11	A
	SQUASH, WINTER	112.0174	12	410.00	A
	STRAWBERRY	18,941.8436	1,857	67,442.08	A
	STRUCTURAL PEST CONTROL	1,668.1086			
	SUDANGRASS	544.0496	90	5,175.00	A
	SUGARBEET	2,854.6876	844	58,657.40	A
	SUGARBEET (FORAGE - FODDER)	1.8504	2	118.00	A
	SUGARCANE	1.8083	4	88.00	A
	SUNFLOWER	667.7231	85	5,227.80	A
	SWEET POTATO	6.8991	4	220.00	A
	SWISS CHARD	30.6215	61	297.41	A
	TANGELO	564.5586	118	2,103.30	A
	TANGERINE	676.4412	207	3,917.68	A
	TOMATILLO	1.9792	1	8.00	A
	TOMATO	2,917.0021	679	30,731.85	A
	TOMATO, PROCESSING	21,437.6970	2,881	268,300.19	A
	TROPICAL/SUBTROPICAL FRUIT	10.0540	2	7.00	A
	TURF/SOD	1,004.7860	94	2,685.22	A
	TURNIP	58.8880	33	354.75	A
	UNCULTIVATED AG	6,562.4082	1,248	74,595.98	A
	UNCULTIVATED NON-AG	1,232.6462	199	3,439.41	A
	UNKNOWN	30.9874	3	64.00	A
		11.9952			
	TOTAL POUNDS ON THIS COMMODITY	42.9826			
	VEGETABLES, LEAFY	8.8731	3	43.30	A
	VERTEBRATE CONTROL	53.8637			
		3.4804	1	18.00	A
	TOTAL POUNDS ON THIS COMMODITY	57.3441			
	WALNUT	22,715.8384	3,675	117,397.77	A
		0.0011	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	22,715.8395			
	WATER AREA	91.4115	9	405.72	A
	WATERMELON	1,694.9715	195	7,234.54	A
	WHEAT	4,429.1520	1,130	82,516.25	A
	WHEAT (FORAGE - FODDER)	2,488.3873	533	29,880.95	A
	Chemical Total	1,033,699.8398	133,687		
<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE), BRANCHED</b>					
	ALFALFA	2,657.5877	633	42,844.53	A
	ALMOND	754.9901	281	10,632.54	A
	APRICOT	1.1313	2	12.00	A
	ASPARAGUS	39.8138	9	682.30	A
	AVOCADO	27.7692	15	138.08	A
	BEAN, DRIED	184.2642	21	1,977.00	A
	BEAN, UNSPECIFIED	7.9443	2	50.00	A
	BERMUDAGRASS	23.8330	1	150.00	A
	BOYSENBERRY	0.5334	1	13.00	A
	BROCCOLI	4.8396	13	171.63	A
	CABBAGE	0.6983	2	23.52	A
	CANTALOUPE	14.5964	6	589.00	A

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<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE), BRANCHED</b>					
	CARROT	107.4255	15	992.44	A
	CAULIFLOWER	4.5292	5	78.26	A
	CELERY	3.5462	2	34.00	A
	CHERRY	2.9387	2	132.00	A
	CITRUS	1.8249	2	13.00	A
	CORN (FORAGE - FODDER)	583.9372	190	11,451.89	A
	CORN, HUMAN CONSUMPTION	20.6922	18	437.20	A
	COTTON	2,598.0702	483	36,406.00	A
	GARLIC	526.9255	65	7,539.00	A
	GRAPE	196.9519	103	3,932.80	A
	GRAPE, WINE	289.1495	122	5,918.42	A
	GRAPEFRUIT	8.5556	4	69.00	A
	KALE	0.1414	5	5.00	A
	LANDSCAPE MAINTENANCE	7.3591			
	LEMON	187.1157	35	1,045.75	A
	LETTUCE, HEAD	23.8854	47	1,128.80	A
	LETTUCE, LEAF	19.3066	82	779.31	A
	N-GRNHS PLANTS IN CONTAINERS	0.3538	4	93,000.00	S
		0.0993	1	1.70	A
	TOTAL POUNDS ON THIS COMMODITY	0.4531			
	N-OUTDR PLANTS IN CONTAINERS	5.9809	2	20.12	A
	N-OUTDR TRANSPLANTS	18.8566	15	97.80	A
	NECTARINE	82.9057	72	1,464.85	A
	OAT	2.0256	4	49.50	A
	OLIVE	35.7473	14	514.00	A
	ONION, DRY	294.1291	62	4,565.50	A
	ORANGE	1,089.2974	298	7,646.81	A
	PEACH	83.1531	117	1,747.51	A
	PEAR	1.3860	2	124.18	A
	PEPPER, SPICE	9.9026	3	52.00	A
	PISTACHIO	11.8146	5	242.70	A
	PLUM	74.9071	55	761.60	A
	POMEGRANATE	1.5889	2	36.00	A
	POTATO	24.4866	23	722.23	A
	PRUNE	5.1003	10	203.00	A
	RANGELAND	3.2724	1	80.00	A
	RAPPINI	5.0018	4	60.90	A
	RICE	0.2218	3	24.00	A
	RIGHTS OF WAY	7.3757			
	SOIL FUMIGATION/PREPLANT	15.7151	14	833.68	A
	SPINACH	0.3216	3	8.80	A
	SQUASH	0.3272	1	45.00	A
	STRAWBERRY	11.3478	2	96.00	A
	STRUCTURAL PEST CONTROL	0.0961			
	SUGARBEET	280.7582	45	3,127.00	A
	TANGELO	6.8894	5	49.70	A
	TANGERINE	64.1466	21	554.45	A
	TOMATO	7.1457	5	247.50	A
	TOMATO, PROCESSING	131.1086	31	2,940.00	A
	UNCULTIVATED AG	7.5789	3	90.00	A
	UNCULTIVATED NON-AG	1.6683	1	11.00	A
	WALNUT	288.7639	109	3,482.84	A
	WHEAT	670.8404	92	10,447.40	A
	WHEAT (FORAGE - FODDER)	61.8737	19	1,321.30	A
	Chemical Total	11,606.5442	3,214		
<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE), PHOSPHATE ESTER</b>					
	ALFALFA	732.9319	460	26,471.07	A
	ALMOND	4,808.6412	471	27,013.00	A
	APPLE	72.6335	9	172.00	A
	APRICOT	9.8855	5	54.50	A
	AVOCADO	32.4833	4	19.50	A
	BARLEY	3.3071	2	202.00	A
	BEAN, DRIED	19.2419	12	619.30	A
	BEAN, SUCCULENT	17.9233	11	381.00	A
	BLACKBERRY	0.1103	2	5.00	A
	BROCCOLI	77.4739	40	1,692.25	A

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<b>ALPHA-(PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE), PHOSPHATE ESTER</b>					
	CABBAGE	0.5022	2	7.80	A
	CANTALOUPE	3.8105	2	225.00	A
	CARROT	305.0027	53	3,244.11	A
	CAULIFLOWER	36.2822	7	517.90	A
	CELERY	2.0669	9	59.50	A
	CHERRY	213.4929	42	448.50	A
	COLLARD	2.0893	1	35.00	A
	CORN (FORAGE - FODDER)	728.4888	108	5,586.10	A
	CORN, HUMAN CONSUMPTION	214.5849	114	3,762.00	A
	COTTON	591.3536	363	37,544.87	A
	CUCUMBER	0.7039	2	72.40	A
	DITCH BANK	3.2187	2	112.00	A
	ENDIVE (ESCAROLE)	0.2761	2	12.50	A
	FORAGE HAY/SILAGE	7.7691	6	91.00	A
	FOREST, TIMBERLAND	51.9547	147	4,779.60	A
	GARLIC	18.7192	13	1,647.53	A
	GRAPE	2,634.9911	255	8,147.56	A
	GRAPE, WINE	4,259.6839	1,941	60,295.18	A
	GRAPEFRUIT	0.1425	1	5.00	A
	LANDSCAPE MAINTENANCE	20.8344			
	LEMON	2,155.8123	27	1,070.00	A
	LETTUCE, HEAD	284.6549	32	1,584.45	A
	LETTUCE, LEAF	3.7352	17	120.95	A
	MELON	7.0420	5	360.00	A
	MINT	4.7973	9	435.00	A
	MUSTARD	0.2999	2	5.20	A
	N-GRNHS FLOWER	133.7193	167	252.29	A
		0.4314	8	421,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	134.1507			
	N-GRNHS PLANTS IN CONTAINERS	3.8159	9	11.55	A
		0.1373	7	24,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.9532			
	N-OUTDR FLOWER	86.3486	163	346.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.2503	3	3.05	A
	N-OUTDR TRANSPLANTS	0.2281	12	22.50	A
	NECTARINE	154.0101	29	243.50	A
	OAT (FORAGE - FODDER)	8.1043	3	135.00	A
	OLIVE	10.7367	3	53.00	A
	ONION, DRY	35.2149	26	1,657.02	A
	ONION, GREEN	7.9594	1	40.00	A
	ORANGE	3,703.3976	139	5,840.75	A
	PASTURELAND	0.9699	4	84.00	A
	PEACH	2,013.3011	130	3,753.85	A
	PEAR	129.3078	17	458.00	A
	PECAN	1.7519	25	313.85	A
	PEPPER, FRUITING	12.6668	6	70.50	A
	PISTACHIO	0.8584	13	190.20	A
	PLUM	31.3294	20	217.00	A
	POTATO	126.5400	20	1,323.45	A
	PRUNE	31.5726	21	3,617.50	A
	PUMPKIN	386.5683	28	1,493.00	A
	RADISH	0.7163	1	6.00	A
	RANGELAND	42.3233	16	553.00	A
	RASPBERRY	80.0840	22	347.00	A
	RESEARCH COMMODITY	2.6366	3	26.20	A
		0.0034			
	TOTAL POUNDS ON THIS COMMODITY	2.6400			
	RICE	151.5447	82	7,971.40	A
	RIGHTS OF WAY	264.2508			
	RYEGRASS	9.3484	6	224.00	A
	SAFFLOWER	10.2769	14	758.00	A
	SOIL FUMIGATION/PREPLANT	39.3649	10	514.30	A
	SOYBEAN	75.7949	8	467.00	A
	SPINACH	4.5766	1	23.00	A
	SQUASH	1.7090	5	50.40	A
	STRAWBERRY	14,943.8431	1,119	49,955.55	A
	SUGARBEET	8.0266	6	460.00	A
	SUNFLOWER	6.2429	6	379.00	A

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<b>ALPHA- (PARA-NONYLPHENYL)-OMEGA-HYDROXPOLY(OXYETHYLENE), PHOSPHATE ESTER</b>					
	TANGELO	15.9255	5	70.00	A
	TANGERINE	0.3219	1	7.00	A
	TOMATO	56.8389	54	2,011.60	A
	TOMATO, PROCESSING	171.3580	115	7,954.40	A
	TURF/SOD	10.4213	17	493.61	A
	UNCULTIVATED AG	302.4095	264	15,774.58	A
	UNCULTIVATED NON-AG	1.5448	2	35.00	A
	WALNUT	569.6195	106	2,866.83	A
	WATER AREA	0.0882		5.00	A
	WATERMELON	12.1864	11	410.60	A
	WHEAT	84.2004	33	1,660.00	A
	WHEAT (FORAGE - FODDER)	152.9268	5	369.00	A
	Chemical Total	41,224.7448	6,944		
<b>NONYL PHENOXY POLYOXYETHYLENE ETHANOL-IODINE COMPLEX</b>					
	ANIMAL PREMISE	647.2736		2,207.00	U
		13.0088		172.00	A
	TOTAL POUNDS ON THIS COMMODITY	660.2824			
	FUMIGATION, OTHER	20.4605			
	LANDSCAPE MAINTENANCE	101.6159			
	LIVESTOCK	27.2807		504.00	U
	POULTRY	49.4462		2,325.00	U
	RIGHTS OF WAY	78.0348			
	STRUCTURAL PEST CONTROL	13.6403			
	VERTEBRATE CONTROL	109.4502			
	Chemical Total	1,060.2110			
<b>ALPHA- (PARA-NONYL PHENYL)-OMEGA-HYDROXPOLY (OXYETHYLENE) SULFATE, AMMONIUM SALT</b>					
	ALFALFA	108.0367	549	31,648.49	A
	ALMOND	312.6032	1,185	59,356.54	A
	APPLE	3.2640	11	400.22	A
	APRICOT	0.4092	15	149.50	A
	ASPARAGUS	0.1499	1	18.00	A
	BARLEY	0.0400	2	54.00	A
	BEAN, DRIED	0.1464	1	20.00	A
	BEAN, SUCCULENT	0.2673	4	95.00	A
	BEAN, UNSPECIFIED	0.2439	7	58.50	A
	BERMUDAGRASS	1.1448	4	398.00	A
	BLUEBERRY	0.1142	4	45.00	A
	BOK CHOY	0.0293	1	10.00	A
	BROCCOLI	3.6553	35	1,235.40	A
	BRUSSELS SPROUT	0.1559	6	24.92	A
	CABBAGE	0.0211	3	60.20	A
	CANOLA (RAPE)	0.0586	2	70.00	A
	CANTALOUPE	1.4354	5	640.00	A
	CARROT	4.2372	20	1,111.00	A
	CAULIFLOWER	1.2420	12	633.00	A
	CELERY	0.3339	12	66.50	A
	CHERRY	2.4062	49	724.73	A
	CHESTNUT	0.0142	7	24.00	A
	CHINESE CABBAGE (NAPPA)	0.1172	2	40.00	A
	CITRUS	0.0087	1	65.00	A
	CORN (FORAGE - FODDER)	4.7199	51	2,430.71	A
	CORN, HUMAN CONSUMPTION	2.4376	26	948.70	A
	COTTON	315.6483	1,882	154,732.05	A
	CUCUMBER	0.4165	1	42.00	A
	DITCH BANK	0.0366	1	10.00	A
	EGGPLANT	0.0242	2	33.00	A
	FORAGE HAY/SILAGE	0.0630	3	85.00	A
	GARLIC	1.0204	4	294.00	A
	GRAPE	79.6369	372	13,842.38	A
	GRAPE, WINE	6.0415	113	3,654.54	A
	GRAPEFRUIT	0.2224	7	53.10	A
	KALE	0.0730	4	8.75	A
	KIWI	1.7787	23	185.62	A

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<b>ALPHA-(PARA-NONYL PHENYL)-OMEGA-HYDROXYPOLY (OXYETHYLENE) SULFATE, AMMONIUM SALT</b>					
	LANDSCAPE MAINTENANCE	0.1652			
		0.0068	1	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.1720			
	LEMON	0.2681	20	549.64	A
	LETTUCE, HEAD	0.3661	6	116.50	A
	LETTUCE, LEAF	0.8986	14	514.00	A
	MELON	0.2747	1	150.00	A
	N-GRNHS FLOWER	0.0104	8	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0220	1	6.00	A
	NECTARINE	2.0679	67	772.54	A
	OAT	0.1192	3	115.00	A
	OAT (FORAGE - FODDER)	0.0146	1	28.00	A
	OLIVE	1.4289	44	716.15	A
	ONION, DRY	2.5460	14	1,175.00	A
	ORANGE	14.8436	495	8,190.03	A
	PASTURELAND	0.0808	2	110.30	A
	PEACH	11.3810	195	2,834.01	A
	PEAS	0.0043	1	1.00	A
	PEPPER, FRUITING	0.0291	4	85.00	A
	PISTACHIO	6.0260	105	4,247.00	A
	PLUM	9.9082	241	3,933.28	A
	POMEGRANATE	0.0066	1	7.00	A
	POTATO	4.4725	41	2,372.00	A
	PRUNE	20.9696	109	4,177.90	A
	PUBLIC HEALTH	0.4393			
	PUMPKIN	0.0085	1	4.60	A
	RANGELAND	1.2257	9	340.00	A
	REGULATORY PEST CONTROL	7.7582			
		4.6811		571.55	A
		0.0000		294.42	S
	TOTAL POUNDS ON THIS COMMODITY	12.4393			
	RICE	859.8525	1,737	123,047.90	A
	RIGHTS OF WAY	28.0105			
		0.1307	1	35.70	A
	TOTAL POUNDS ON THIS COMMODITY	28.1412			
	RYEGRASS	1.2008	3	164.00	A
	SOIL FUMIGATION/PREPLANT	1.4864	3	192.80	A
	SQUASH	0.0732	1	10.00	A
	SQUASH, SUMMER	0.0513	2	40.00	A
	STONE FRUIT	0.1954	1	10.00	A
	STRAWBERRY	0.2118	3	215.00	A
	STRUCTURAL PEST CONTROL	1.7428			
	SUGARBEET	2.5994	17	748.30	A
	SUNFLOWER	0.6086	5	231.10	A
	TANGELO	0.0398	4	99.00	A
	TANGERINE	0.0888	6	70.00	A
	TOMATO	1.0090	4	733.10	A
	TOMATO, PROCESSING	1.3571	18	2,132.10	A
	UNCULTIVATED AG	1.3015	25	1,469.30	A
	UNCULTIVATED NON-AG	0.8382	19	281.50	A
	UNKNOWN	1.2745	1	153.00	A
	WALNUT	20.7929	269	7,730.86	A
	WATER AREA	1.1258	1	164.50	A
	WATERMELON	0.9168	4	225.00	A
	WHEAT	2.3937	35	1,586.80	A
	WHEAT (FORAGE - FODDER)	0.6367	4	259.80	A
	Chemical Total	1,870.2148	7,974		
<b>NORFLURAZON</b>					
	ALFALFA	29,682.6180	458	24,353.60	A
	ALMOND	39,411.0073	1,154	51,682.26	A
	APPLE	1,133.9102	23	803.60	A
	APRICOT	874.8534	32	628.60	A
	ASPARAGUS	58.9500	1	25.00	A
	AVOCADO	8,988.3030	16	412.90	A
	BLUEBERRY	246.0180	13	226.00	A
	CHERRY	1,173.7908	56	928.50	A



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<b>NORFLURAZON</b>					
	CITRUS	242.3631	11	103.20	A
	COMMODITY FUMIGATION	37.7280			
	COTTON	542.3164	31	1,027.80	A
	GRAPE	10,235.1532	374	14,448.96	A
	GRAPE, WINE	6,974.8154	175	9,761.07	A
	GRAPEFRUIT	226.0536	13	77.60	A
	LANDSCAPE MAINTENANCE	267.6675			
	LEMON	832.1932	26	471.00	A
	N-OUTDR PLANTS IN CONTAINERS	172.6528	11	86.00	A
	N-OUTDR TRANSPLANTS	3.5370	1	1.00	A
	NECTARINE	912.2109	149	1,066.11	A
	ORANGE	10,524.4268	167	4,930.63	A
	PEACH	3,266.9728	246	2,999.94	A
	PEAR	236.0201	13	159.59	A
	PECAN	174.5549	10	146.50	A
	PISTACHIO	1.5720	1	0.50	A
	PLUM	2,014.6401	304	2,148.23	A
	PRUNE	1,232.9432	41	1,188.50	A
	RIGHTS OF WAY	9,090.8505			
	TANGELO	136.5675	8	105.00	A
	TANGERINE	4,717.2733	51	1,844.11	A
	UNCULTIVATED AG	31.4400	5	56.00	A
	UNCULTIVATED NON-AG	3.9300		2.00	A
	WALNUT	6,512.5746	202	6,117.31	A
	Chemical Total	139,959.9076	3,592		
<b>NOSEMA LOCUSTAE SPORES</b>					
	GRAPE, WINE	0.0125	1	36.00	A
	LANDSCAPE MAINTENANCE	0.0040			
	N-OUTDR FLOWER	0.0001	1	0.33	A
	RIGHTS OF WAY	0.0250			
	VEGETABLE	0.0025	1	1.00	A
	Chemical Total	0.0441	3		
<b>NOVALURON</b>					
	N-GRNHS FLOWER	20.8765	127	289.38	A
		8.6921	72	1,866,030.00	S
	TOTAL POUNDS ON THIS COMMODITY	29.5686			
	N-GRNHS PLANTS IN CONTAINERS	2.1935	27	26.82	A
		1.4451	34	1,452,980.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.6386			
	N-GRNHS TRANSPLANTS	0.0225		26,000.00	S
	N-OUTDR FLOWER	3.7186	33	67.25	A
		0.5726	11	749,510.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2912			
	N-OUTDR PLANTS IN CONTAINERS	1.2265	13	19.30	A
		0.5629	10	330,320.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.7894			
	N-OUTDR TRANSPLANTS	0.2059	1	4.00	A
	RESEARCH COMMODITY	0.0036			
	Chemical Total	39.5198	328		
<b>NOVIFLUMURON</b>					
	LANDSCAPE MAINTENANCE	0.0063			
	OLIVE	0.0000	1	0.10	A
	STRUCTURAL PEST CONTROL	24.6494			
	Chemical Total	24.6557	1		
<b>OCTHILINONE</b>					
	LUMBER, TREATED	7,380.6753			
	STRUCTURAL PEST CONTROL	3,228.0266			
	Chemical Total	10,608.7019			

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<b>N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</b>					
	ANIMAL PREMISE	0.0557		16,000.00	S
	COMMODITY FUMIGATION	9.6441			
	FOOD PROCESSING PLANT	8.0943		238.00	A
		0.0725		15,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	8.1668			
	FUMIGATION, OTHER	61.7187			
	GRAPE, WINE	0.2522	3	59.40	A
	LANDSCAPE MAINTENANCE	23.0378			
	N-GRNHS PLANTS IN CONTAINERS	0.1100	2	0.58	A
		0.0162	4	42,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.1262			
	N-OUTDR PLANTS IN CONTAINERS	0.1333	2	4.00	A
	PUBLIC HEALTH	0.2597			
	REGULATORY PEST CONTROL	0.5231			
	RIGHTS OF WAY	4.7885			
	STORAGE AREA/BOX	26.2971		2,549,335.00	C
		18.6555		7,252.50	K
		2.9647		100,000.00	S
		1.1859		1,500.00	T
	TOTAL POUNDS ON THIS COMMODITY	49.1032			
	STRUCTURAL PEST CONTROL	5,724.2717			
	VERTEBRATE CONTROL	11.7409			
	Chemical Total	5,893.8219	11		
<b>OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE</b>					
	ANIMAL PREMISE	82.1559		3.00	A
	FOOD PROCESSING PLANT	1.2818		317,158.00	S
	FUMIGATION, OTHER	0.1624			
	LANDSCAPE MAINTENANCE	31.7945			
	N-GRNHS PLANTS IN CONTAINERS	5.7707	26	14.31	A
		0.1298	32	896,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.9005			
	N-GRNHS TRANSPLANTS	17.4919	8	48,000.00	S
	N-OUTDR FLOWER	0.0384	6	720.00	U
		0.0299	4	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0683			
	N-OUTDR PLANTS IN CONTAINERS	13.1275	34	53.10	A
	N-OUTDR TRANSPLANTS	0.0214	1	200.00	U
	PUBLIC HEALTH	0.0125			
	RIGHTS OF WAY	1.3714			
	STRUCTURAL PEST CONTROL	3.9176			
	Chemical Total	157.3057	111		
<b>ALPHA-OCTYLPHENYL-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	ALFALFA	17,757.6724	1,518	95,162.19	A
	ALMOND	27,907.7302	2,104	120,556.98	A
	APPLE	1,875.7559	121	6,570.22	A
	APRICOT	97.9023	32	263.86	A
	ARTICHOKE, GLOBE	13.7412	1	50.00	A
	ASPARAGUS	807.2362	89	2,840.71	A
	AVOCADO	3.9657	2	5.00	A
	BARLEY	79.4340	10	589.70	A
	BARLEY (FORAGE - FODDER)	0.0000	1	22.00	A
	BEAN, DRIED	654.6519	80	4,109.30	A
	BEAN, SUCCULENT	349.3901	80	2,603.90	A
	BEAN, UNSPECIFIED	6.3579	1	18.00	A
	BERMUDAGRASS	535.7055	15	1,055.00	A
	BLUEBERRY	57.7360	25	1,999.20	A
	BOK CHOY	27.1528	71	123.45	A
	BROCCOLI	493.6717	384	5,701.25	A
	BRUSSELS SPROUT	0.2886	1	24.00	A
	CABBAGE	38.7092	58	429.20	A
	CANOLA (RAPE)	13.9144	1	88.00	A
	CANTALOUPE	88.4815	8	688.50	A
	CARROT	81.3994	10	225.00	A
	CAULIFLOWER	195.5179	80	909.55	A

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<b>ALPHA-OCTYLPHENYL-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	CELERY	39.2651	33	357.40	A
	CHERRY	4,620.5290	458	7,761.40	A
	CHESTNUT	35.5578	13	198.66	A
	CHICORY	6.6964	4	38.00	A
	CHINESE CABBAGE (NAPPA)	15.5628	31	64.55	A
	CITRUS	25.2697	6	55.00	A
	CLOVER	34.6469	4	78.20	A
	CORN (FORAGE - FODDER)	10,421.2737	729	36,261.27	A
	CORN, HUMAN CONSUMPTION	747.3096	80	2,735.44	A
	COTTON	40,630.6952	2,085	172,748.54	A
	CUCUMBER	51.5334	5	168.00	A
	DITCH BANK	3.4786		10.00	A
	EGGPLANT	2.6090	1	15.00	A
	ENDIVE (ESCAROLE)	8.8409	16	48.50	A
	FIG	12.7839	2	121.02	A
	FORAGE HAY/SILAGE	247.7999	14	656.00	A
	FOREST, TIMBERLAND	6.9572	1	5.00	A
	GARLIC	219.7090	5	669.00	A
	GRAPE	10,258.6712	584	24,617.23	A
	GRAPE, WINE	9,137.7847	797	31,353.50	A
	GRAPEFRUIT	48.1743	23	285.00	A
	KALE	0.4326	3	3.00	A
	KIWI	112.1664	30	519.10	A
	LANDSCAPE MAINTENANCE	299.3777			
		1.0436	1	6.00	A
	TOTAL POUNDS ON THIS COMMODITY	300.4213			
	LEMON	375.3488	69	1,131.00	A
	LETTUCE, HEAD	988.0541	370	5,998.05	A
	LETTUCE, LEAF	534.5385	283	3,660.56	A
	MELON	4.5805	5	362.00	A
	N-GRNHS FLOWER	0.0154	2	2.50	A
	N-OUTDR FLOWER	0.3449	13	47.00	A
	N-OUTDR PLANTS IN CONTAINERS	1,859.6571	468	9,175.75	A
		0.1959	2	168,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,859.8530			
	N-OUTDR TRANSPLANTS	53.6545	24	367.70	A
	NECTARINE	455.2822	785	8,403.10	A
	OAT	613.7310	40	2,692.30	A
	OAT (FORAGE - FODDER)	3,323.1811	344	13,626.00	A
	OLIVE	2,049.2587	126	5,744.30	A
	ONION, DRY	773.9050	109	5,210.60	A
	ORANGE	11,382.4636	1,080	25,952.22	A
	PASTURELAND	98.3577	7	524.00	A
	PEACH	3,391.4487	1,275	15,792.21	A
		0.1739	1	17.00	U
	TOTAL POUNDS ON THIS COMMODITY	3,391.6226			
	PEAR	581.6556	73	2,808.68	A
	PECAN	106.9534	14	232.00	A
	PEPPER, FRUITING	191.3046	27	1,140.50	A
	PERSIMMON	36.8448	20	135.27	A
	PISTACHIO	2,470.8356	180	14,247.83	A
	PLUM	1,988.0095	652	10,403.78	A
	POMEGRANATE	21.6712	8	71.90	A
	POTATO	424.1717	68	2,470.00	A
	PRUNE	2,965.9324	168	5,129.37	A
	QUINCE	169.5820	11	134.00	A
	RANGELAND	489.5794	8	1,909.00	A
	RESEARCH COMMODITY	15.1183			
		3.6515	9	98.75	A
	TOTAL POUNDS ON THIS COMMODITY	18.7698			
	RICE	1,272.8788	109	7,124.30	A
	RIGHTS OF WAY	9,590.4731			
		106.9324	2	75.00	A
	TOTAL POUNDS ON THIS COMMODITY	9,697.4055			
	SAFFLOWER	73.6073	3	779.00	A
	SOIL FUMIGATION/PREPLANT	1,303.4389	83	6,447.14	A
	SORGHUM/MILO	24.3502	6	110.00	A

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<b>ALPHA-OCTYLPHENYL-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	SQUASH	10.4358	1	30.00	A
	SQUASH, SUMMER	0.7717	3	8.75	A
	STONE FRUIT	5.2179	2	12.00	A
	STRAWBERRY	33.1450	12	240.00	A
	SUDANGRASS	52.1792	2	125.00	A
	SUGARBEET	864.1018	74	4,567.00	A
	SUNFLOWER	38.4734	3	184.00	A
	TANGELO	90.0967	26	268.00	A
	TANGERINE	155.2976	18	245.00	A
	TOMATO	89.1998	30	959.20	A
	TOMATO, PROCESSING	15,574.6618	761	57,611.93	A
	TURF/SOD	45.1522	4	110.00	A
	TURNIP	0.8623	2	20.00	A
	UNCULTIVATED AG	1,089.9549	82	6,806.90	A
	UNCULTIVATED NON-AG	222.0169	15	286.50	A
	WALNUT	10,033.3483	1,223	34,181.01	A
	WATER AREA	0.2609		3.00	A
	WATERMELON	25.7246	8	356.00	A
	WHEAT	1,818.0996	164	16,795.80	A
	WHEAT (FORAGE - FODDER)	1,546.4527	148	7,242.90	A
	Chemical Total	207,511.2188	18,639		
<b>OIL OF ANISE</b>					
	LANDSCAPE MAINTENANCE	0.0040			
	Chemical Total	0.0040			
<b>OIL OF JOJOBA</b>					
	ALMOND	230.3013	5	230.00	A
	BROCCOLI	70.1800	1	40.00	A
	GRAPE, WINE	428.1193	35	567.02	A
	LANDSCAPE MAINTENANCE	79.3594			
	N-GRNHS FLOWER	28.0688	2	84,500.00	S
		1.7523	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	29.8211			
	N-GRNHS PLANTS IN CONTAINERS	81.9827	45	17.23	A
		45.1076	13	241,997.00	S
	TOTAL POUNDS ON THIS COMMODITY	127.0903			
	N-OUTDR FLOWER	31.5145	7	8.53	A
		3.0685	2	26,250.00	S
	TOTAL POUNDS ON THIS COMMODITY	34.5830			
	N-OUTDR PLANTS IN CONTAINERS	327.6723	46	61.68	A
		13.6914	3	83,650.00	S
		1.5790	2	2,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	342.9427			
	ORANGE	7.6054	1	10.00	A
	POTATO	40.4544	1	20.00	A
	RESEARCH COMMODITY	1.4627			
	STRAWBERRY	1,473.3906	11	255.00	A
	STRUCTURAL PEST CONTROL	3.5603			
	WALNUT	161.8177	1	39.00	A
	Chemical Total	3,030.6882	176		
<b>OIL OF LEMON</b>					
	GRAPE, WINE	0.0142	1	8.00	A
	Chemical Total	0.0142	1		
<b>OIL OF PEPPERMINT</b>					
	STRUCTURAL PEST CONTROL	0.0047			
	Chemical Total	0.0047			

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<b>OLEIC ACID</b>					
ALFALFA		5,060.5784	1,695	105,795.69	A
ALMOND		3,065.9521	1,738	97,289.19	A
APPLE		102.3590	156	2,451.15	A
APRICOT		56.0165	74	1,933.25	A
ASPARAGUS		125.8220	69	4,021.90	A
AVOCADO		1.6164	26	59.20	A
BARLEY		0.5665	3	280.00	A
BEAN, DRIED		41.2177	49	2,196.30	A
BEAN, SUCCULENT		45.7053	51	2,255.70	A
BEAN, UNSPECIFIED		7.2712	5	201.00	A
BERMUDAGRASS		186.8853	33	2,419.00	A
BLUEBERRY		0.0572	1	7.00	A
BROCCOLI		94.6731	112	2,801.02	A
CABBAGE		9.0792	11	173.62	A
CANOLA (RAPE)		59.0746	10	737.00	A
CANTALOUPE		38.8810	16	1,116.00	A
CARROT		263.3934	98	5,498.64	A
CAULIFLOWER		9.9907	22	588.30	A
CELERY		71.5210	187	1,753.05	A
CHERIMOYA		0.0106	2	0.12	A
CHERRY		355.9693	365	6,147.01	A
CITRUS		5.2936	9	51.20	A
CORN (FORAGE - FODDER)		927.2845	653	31,760.05	A
CORN, HUMAN CONSUMPTION		829.0716	342	15,535.80	A
COTTON		6,096.4347	1,676	135,763.51	A
CUCUMBER		17.1776	9	325.60	A
DITCH BANK		3.7154		6.00	A
EGGPLANT		0.0929	1	10.00	A
FORAGE HAY/SILAGE		10.8756	8	1,032.00	A
GARLIC		87.1944	23	2,949.00	A
GRAPE		546.9190	612	25,416.34	A
GRAPE, WINE		1,908.3732	4,759	118,636.73	A
		4.3187	15	212.00	U
TOTAL POUNDS ON THIS COMMODITY		1,912.6919			
GRAPEFRUIT		4.4908	5	23.50	A
KALE		0.3043	9	14.85	A
KIWI		0.5198	1	6.00	A
LANDSCAPE MAINTENANCE		13.0840			
LEMON		131.4024	37	642.80	A
LETTUCE, HEAD		83.9074	54	1,559.30	A
LETTUCE, LEAF		36.0588	39	579.30	A
MELON		8.6923	3	120.00	A
MUSTARD		0.9288	1	35.00	A
N-GRNHS FLOWER		0.0203		6.00	A
N-GRNHS PLANTS IN CONTAINERS		0.8582	8	117,000.00	S
N-OUTDR FLOWER		0.0397	1	15.00	A
N-OUTDR PLANTS IN CONTAINERS		9.1344	79	2,117.07	A
N-OUTDR TRANSPLANTS		56.2827	95	3,556.50	A
NECTARINE		47.5993	88	1,143.08	A
OAT		2.5484	15	516.90	A
OAT (FORAGE - FODDER)		7.2212	22	829.00	A
OLIVE		118.7487	63	1,690.50	A
		1.3208	122	6,359.00	U
TOTAL POUNDS ON THIS COMMODITY		120.0695			
ONION, DRY		686.3276	153	10,629.70	A
ONION, GREEN		0.0174	1	6.00	A
ORANGE		2,889.7705	728	14,645.22	A
PASTURELAND		0.1059	1	10.00	A
PEACH		314.8795	607	12,252.64	A
PEAR		18.1056	20	481.20	A
PEAS		1.1955	1	20.00	A
PECAN		3.4250	6	97.00	A
PEPPER, FRUITING		8.7162	10	261.54	A
PEPPER, SPICE		21.4915	6	101.20	A
PERSIMMON		0.6539	2	23.00	A
PISTACHIO		327.9388	47	5,366.52	A
PLUM		22.1071	47	758.34	A
POMEGRANATE		54.4062	27	4,524.61	A

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<b>OLEIC ACID</b>					
	POTATO	79.5410	54	2,339.36	A
	PRUNE	80.7179	119	4,097.96	A
	PUMPKIN	0.8299	5	27.00	A
	RANGELAND	48.6092	16	1,144.00	A
	RICE	12,481.0869	2,036	150,432.03	A
	RIGHTS OF WAY	197.6195			
		15.8832	7	199.00	A
	TOTAL POUNDS ON THIS COMMODITY	213.5027			
	RYE	0.8903	2	39.60	A
	SAFFLOWER	53.9900	9	590.50	A
	SOIL FUMIGATION/PREPLANT	28.2120	11	741.60	A
	SORGHUM (FORAGE - FODDER)	5.8589	11	513.60	A
	SORGHUM/MILO	9.1224	7	521.00	A
	SOYBEAN	1.1146	2	30.00	A
	SQUASH	10.9392	7	120.50	A
	SQUASH, SUMMER	0.8005	19	144.04	A
	STRAWBERRY	23.3550	2	96.00	A
	STRUCTURAL PEST CONTROL	3.3847			
	SUDANGRASS	146.1906	34	1,856.00	A
	SUGARBEET	725.3592	293	19,063.90	A
	SUGARBEET (FORAGE - FODDER)	8.1738	2	118.00	A
	SUGARCANE	7.9881	4	88.00	A
	SUNFLOWER	19.8295	8	400.00	A
	SWISS CHARD	1.6719	2	28.00	A
	TANGELO	25.2611	18	194.70	A
	TANGERINE	24.1441	22	415.50	A
	TOMATO	29.8000	114	5,046.37	A
	TOMATO, PROCESSING	922.3226	424	31,175.17	A
	UNCULTIVATED AG	753.2843	274	15,386.09	A
	UNCULTIVATED NON-AG	6.9266	3	641.00	A
	UNKNOWN	0.8203	1	52.00	A
	WALNUT	1,102.6161	812	21,179.21	A
		0.0046	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,102.6207			
	WATER AREA	0.0465	1	3.00	A
	WATERMELON	23.7948	15	354.20	A
	WHEAT	290.9379	226	15,024.23	A
	WHEAT (FORAGE - FODDER)	41.9767	109	4,836.17	A
	Chemical Total	42,078.7986	19,798		
<b>OLEIC ACID, METHYL ESTER</b>					
	ALFALFA	35,712.5502	879	48,927.62	A
	ALMOND	10,250.4058	440	28,529.75	A
	APPLE	720.1119	17	728.00	A
	APRICOT	319.3093	17	852.00	A
	ARTICHOKE, GLOBE	2,800.8339	162	7,507.65	A
	ASPARAGUS	307.3266	11	338.30	A
	BARLEY	4.7756	1	5.00	A
	BARLEY (FORAGE - FODDER)	42.6769	8	225.00	A
	BASIL, SWEET	9.1346	3	47.63	A
	BEAN, DRIED	1,478.8442	40	2,637.70	A
	BEAN, SUCCULENT	303.1412	13	562.50	A
	BEAN, UNSPECIFIED	123.4673	3	257.00	A
	BLACKBERRY	3.6722	1	16.00	A
	BROCCOLI	200.4632	96	1,599.80	A
	CANTALOUPE	391.7040	24	1,376.00	A
	CARROT	379.1364	12	628.26	A
	CAULIFLOWER	178.9531	42	508.00	A
	CELERY	820.9930	513	5,228.65	A
	CHERRY	258.2918	21	465.00	A
	CLOVER	1,177.4416	38	1,014.40	A
	CORN (FORAGE - FODDER)	1,724.8084	95	4,383.52	A
	CORN, HUMAN CONSUMPTION	1,272.9629	712	17,922.50	A
	COTTON	40,255.7687	917	77,659.54	A
	CUCUMBER	32.1866	3	65.20	A
	EGGPLANT	15.4811	2	52.00	A
	FENNEL	3.2423	2	8.90	A

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<b>OLEIC ACID, METHYL ESTER</b>					
	FOREST, TIMBERLAND	33,034.5328	560	15,777.00	A
	GARLIC	272.1327	4	287.00	A
	GRAPE	2,005.7977	158	6,038.23	A
	GRAPE, WINE	926.7770	69	3,303.39	A
	LANDSCAPE MAINTENANCE	848.1507			
	LEMON	64.1180	2	275.00	A
	LETTUCE, HEAD	32.1657	14	175.70	A
	LETTUCE, LEAF	406.6485	126	2,202.70	A
	MELON	152.5535	6	170.00	A
	MINT	504.8787	20	869.00	A
	N-OUTDR PLANTS IN CONTAINERS	56.7509	11	138.33	A
	N-OUTDR TRANSPLANTS	2.5254	2	8.50	A
	NECTARINE	3.4999	2	24.00	A
	OAT	71.0755	9	384.80	A
	OAT (FORAGE - FODDER)	99.0538	9	285.00	A
	OLIVE	55.0058	5	113.00	A
	ONION, DRY	91.8989	7	396.00	A
	ORANGE	184.4121	8	329.00	A
	PARSLEY	1.6812	1	9.09	A
	PASTURELAND	24.0346	2	90.00	A
	PEACH	142.0896	5	126.50	A
	PEAS	62.6078	31	264.30	A
	PEPPER, FRUITING	867.7784	182	3,732.48	A
	PEPPER, SPICE	566.4215	20	406.10	A
	PISTACHIO	720.1383	30	3,650.30	A
	PLUM	0.8744	1	2.00	A
	POTATO	3,313.7762	78	4,689.52	A
	PRUNE	265.8714	23	843.45	A
	PUMPKIN	19.4780	6	65.00	A
	RANGELAND	37.0136	2	508.00	A
	REGULATORY PEST CONTROL	233.7621			
	RESEARCH COMMODITY	2.6813	1	25.00	A
	RICE	25,663.3196	859	51,580.23	A
	RIGHTS OF WAY	11,708.3748			
		689.8073	7	231.80	A
	TOTAL POUNDS ON THIS COMMODITY	12,398.1821			
	RYE	3.0311	2	32.80	A
	SAFFLOWER	585.4773	23	4,537.10	A
	SOIL FUMIGATION/PREPLANT	65.2055	10	540.00	A
	SORGHUM (FORAGE - FODDER)	8.1605	1	56.00	A
	SORGHUM/MILO	31.2687	1	33.00	A
	SPINACH	108.6269	48	576.30	A
	SQUASH	47.4097	8	115.00	A
	SQUASH, SUMMER	15.1606	1	16.00	A
	STRAWBERRY	399.9167	65	1,051.20	A
	STRUCTURAL PEST CONTROL	44.2975			
	SUDANGRASS	42.6013	1	90.00	A
	SUNFLOWER	878.7513	28	1,969.10	A
	TOMATO	70.0418	6	285.00	A
	TOMATO, PROCESSING	3,890.0444	242	17,173.84	A
	UNCULTIVATED AG	711.1183	37	823.15	A
	UNCULTIVATED NON-AG	5.8688	3	6.00	A
	WALNUT	885.4935	83	2,837.87	A
	WATER AREA	1.6108	1	60.00	A
	WATERMELON	59.3910	9	252.50	A
	WHEAT	1,152.2995	27	1,776.00	A
	WHEAT (FORAGE - FODDER)	98.0132	19	515.00	A
	Chemical Total	191,023.1589	6,947		
<b>OLEIC ACID, POTASSIUM SALT</b>					
	LANDSCAPE MAINTENANCE	0.0308			
	Chemical Total	0.0308			

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<b>ORCHEX 796 OIL</b>					
	ALFALFA	74,598.6882	1,421	90,669.03	A
	ALMOND	7,331.3504	206	11,591.12	A
	APPLE	1,082.7271	55	904.35	A
	APRICOT	131.5788	4	104.00	A
	ASPARAGUS	1,559.4534	28	1,798.70	A
	BARLEY	49.1634	1	137.00	A
	BEAN, DRIED	511.9136	22	1,422.30	A
	BEAN, SUCCULENT	582.1776	23	921.89	A
	BEAN, UNSPECIFIED	88.6425	1	40.00	A
	BERMUDAGRASS	2,786.7247	33	2,419.00	A
	BLACKBERRY	2.9905	2	5.00	A
	BROCCOLI	1,712.5655	66	2,604.25	A
	CABBAGE	115.1026	10	153.90	A
	CANOLA (RAPE)	880.8853	10	737.00	A
	CANTALOUPE	592.3355	13	912.00	A
	CARROT	4,002.2985	123	7,075.81	A
	CAULIFLOWER	147.1161	12	479.80	A
	CELERY	964.6854	144	1,284.55	A
	CHERRY	3,885.3548	174	2,304.70	A
	CITRUS	4.1551	1	6.00	A
	CORN (FORAGE - FODDER)	3,883.1941	166	6,468.91	A
	CORN, HUMAN CONSUMPTION	11,898.8599	258	14,319.90	A
	COTTON	80,348.7939	1,024	103,068.57	A
	CUCUMBER	271.9994	8	259.00	A
	DITCH BANK	55.4016		6.00	A
	EGGPLANT	1.3850	1	10.00	A
	ENDIVE (ESCAROLE)	7.4882	2	12.50	A
	FORAGE HAY/SILAGE	110.8032	2	232.00	A
	FOREST, TIMBERLAND	1,409.0626	147	4,779.60	A
	GARLIC	1,770.4617	35	4,521.53	A
	GRAPE	1,514.0133	112	2,863.50	A
	GRAPE, WINE	4,660.1381	376	14,950.16	A
	LANDSCAPE MAINTENANCE	31.4043			
	LEMON	3.4903	1	5.00	A
	LETTUCE, HEAD	1,286.3564	48	1,459.80	A
	LETTUCE, LEAF	544.4114	26	620.85	A
	MELON	180.6245	3	356.00	A
	MUSTARD	13.8878	2	35.20	A
	N-GRNHS FLOWER	7.7753	5	320,000.00	S
	N-OUTDR FLOWER	0.7232	8	12.90	A
	N-OUTDR PLANTS IN CONTAINERS	57.6604	2	55.00	A
	N-OUTDR TRANSPLANTS	9.6491	13	27.00	A
	NECTARINE	1.1634	1	2.00	A
	OAT (FORAGE - FODDER)	21.3296	1	77.00	A
	OLIVE	126.0386	9	259.00	A
	ONION, DRY	10,779.3015	163	10,854.37	A
	ONION, GREEN	0.2597	1	6.00	A
	ORANGE	312.3542	11	460.00	A
	PASTURELAND	0.9345	1	4.00	A
	PEACH	442.8209	29	1,074.00	A
	PEAR	142.0221	10	190.20	A
	PECAN	16.6205	2	30.00	A
	PEPPER, FRUITING	20.5870	3	66.00	A
	PEPPER, SPICE	16.5651	3	49.20	A
	PERSIMMON	9.7507	2	23.00	A
	PISTACHIO	23.2794	13	190.20	A
	PLUM	19.3906	3	40.00	A
	POTATO	632.4091	6	459.00	A
	PRUNE	967.9873	87	4,090.76	A
	PUMPKIN	11.5997	3	23.00	A
	RANGELAND	616.0592	7	120.00	A
	RASPBERRY	31.5495	7	62.00	A
	RESEARCH COMMODITY	0.0935			
	RICE	188,162.0517	2,089	155,375.03	A
	RIGHTS OF WAY	1,383.9571			
		236.8418	7	199.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,620.7989			
	RYE	13.2756	2	39.60	A



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<b>ORCHEX 796 OIL</b>					
	RYEGRASS	78.9485	3	112.00	A
	SAFFLOWER	5.5401	1	40.00	A
	SOIL FUMIGATION/PREPLANT	327.0910	5	332.10	A
	SORGHUM/MILO	6.9252	1	10.00	A
	SOYBEAN	16.6205	2	30.00	A
	SQUASH	152.5684	8	140.90	A
	STRAWBERRY	15.1830	8	63.00	A
	SUDANGRASS	2,131.4762	23	1,531.00	A
	SUGARBEET	10,895.7244	291	18,630.90	A
	SUGARBEET (FORAGE - FODDER)	121.8835	2	118.00	A
	SUGARCANE	119.1134	4	88.00	A
	SUNFLOWER	266.6001	7	422.00	A
	SWISS CHARD	24.9311	2	28.00	A
	TOMATO	514.9083	38	1,642.00	A
	TOMATO, PROCESSING	12,490.0279	271	20,904.17	A
	TURF/SOD	282.6355	17	493.61	A
	UNCULTIVATED AG	8,544.6000	245	12,792.10	A
	UNCULTIVATED NON-AG	100.1919	4	256.00	A
	WALNUT	4,311.4960	225	6,843.90	A
		0.0692	1	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,311.5652			
	WATER AREA	2.3924		5.00	A
	WATERMELON	623.2241	24	657.80	A
	WHEAT	2,927.5490	43	3,881.13	A
	WHEAT (FORAGE - FODDER)	38.2271	1	46.00	A
	Chemical Total	457,083.6618	8,274		
<b>ORGANO/MODIFIED POLYSILOXANE</b>					
	ALFALFA	0.6609	6	258.00	A
	ALMOND	3.7927	181	10,736.10	A
	CORN (FORAGE - FODDER)	0.3849	4	158.00	A
	COTTON	0.0100	1	69.00	A
	GRAPE, WINE	0.0313	15	137.95	A
	OLIVE	0.0653	4	105.00	A
	PRUNE	0.7917	54	2,763.25	A
	RIGHTS OF WAY	0.0405			
	UNCULTIVATED AG	0.1275	5	218.00	A
	UNCULTIVATED NON-AG	0.3533	7	588.10	A
	WALNUT	1.2432	100	5,491.86	A
	Chemical Total	7.5013	377		
<b>ORGANOSILICONE, POLY OXYALKYLENE ETHER COPOLYMER</b>					
	ALFALFA	253.4762	120	7,190.50	A
	ALMOND	89.4088	28	972.00	A
	APPLE	2.5957	2	102.00	A
	BLUEBERRY	1.4120	3	51.00	A
	BROCCOLI	11.2861	15	596.00	A
	CABBAGE	2.4202	7	118.00	A
	CANTALOUPE	18.8647	6	353.00	A
	CELERY	0.9136	1	35.00	A
	CORN (FORAGE - FODDER)	21.3425	19	663.60	A
	CORN, HUMAN CONSUMPTION	45.6896	2	260.00	A
	COTTON	43.9401	28	1,672.00	A
	GAI LON	0.4568	1	36.00	A
	GARLIC	9.1912	3	482.40	A
	GRAPE	19.4147	5	195.00	A
	GRAPE, WINE	311.9591	51	3,233.87	A
	LEMON	7.5118	10	120.00	A
	LETTUCE, HEAD	25.6514	40	1,407.90	A
	LETTUCE, LEAF	30.8488	31	906.15	A
	MELON	2.3240	5	138.90	A
	N-GRNHS PLANTS IN CONTAINERS	0.4568	1	1.00	A
	N-OUTDR FLOWER	1.8273	1	47.00	A
	OAT (FORAGE - FODDER)	1.7359	1	30.00	A
	ONION, DRY	16.3700	10	248.96	A
	PEAR	25.4858	5	224.10	A

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<b>ORGANOSILICONE, POLY OXYALKYLENE ETHER COPOLYMER</b>					
	PEPPER, FRUITING	14.3589	4	293.00	A
	PUMPKIN	58.3800	20	862.50	A
	REGULATORY PEST CONTROL	0.3283			
	RIGHTS OF WAY	1.1419			
	SPINACH	0.3997	1	7.00	A
	SQUASH	1.5989	2	70.00	A
	SQUASH, WINTER	7.5923	5	188.00	A
	SWEET POTATO	11.4192	4	220.00	A
	TOMATO	16.4900	4	404.00	A
	TOMATO, PROCESSING	269.7641	141	10,088.59	A
	TURF/SOD	0.5664	1	10.00	A
	UNCULTIVATED AG	27.6493	11	133.00	A
	WALNUT	17.4394	2	97.00	A
	WATERMELON	8.7730	7	356.00	A
	WHEAT	19.0675	8	1,088.60	A
	Chemical Total	1,399.5520	605		
<b>ORYZALIN</b>					
	ALMOND	156,599.6995	2,290	96,860.35	A
		2.2498	1	10.00	U
	TOTAL POUNDS ON THIS COMMODITY	156,601.9493			
	APPLE	840.6543	23	281.65	A
	APRICOT	839.5373	50	472.71	A
	AVOCADO	314.0682	30	147.45	A
	BLUEBERRY	577.1591	12	201.00	A
	BOYSENBERRY	0.9749	1	13.00	A
	BROCCOLI	140.4542	1	20.00	A
	CHERRY	7,737.0880	211	4,227.83	A
	CHESTNUT	81.7471	11	92.25	A
	CHRISTMAS TREE	156.2816	8	76.45	A
	CITRUS	348.6506	12	120.60	A
	CORN, HUMAN CONSUMPTION	252.1755	12	249.30	A
	FIG	2,481.9191	29	1,908.02	A
	GRAPE	50,732.5721	1,080	37,224.46	A
	GRAPE, WINE	95,531.2462	2,149	57,421.62	A
	GRAPEFRUIT	659.9507	8	171.00	A
	KIWI	122.9393	11	110.75	A
	KUMQUAT	10.4005	1	2.50	A
	LANDSCAPE MAINTENANCE	30,268.6430			
		12.0607	4	13.25	A
	TOTAL POUNDS ON THIS COMMODITY	30,280.7037			
	LEMON	178.4279	8	68.50	A
	N-GRNHS FLOWER	51.9739	15	25.18	A
		1.5617	2	60,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	53.5356			
	N-GRNHS PLANTS IN CONTAINERS	234.8947	241	110.04	A
		13.5121	5	190,878.00	S
		3.9997	1	0.25	U
	TOTAL POUNDS ON THIS COMMODITY	252.4065			
	N-GRNHS TRANSPLANTS	21.7764	9	10.40	A
		0.4687		10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	22.2451			
	N-OUTDR FLOWER	103.8281	46	118.97	A
	N-OUTDR PLANTS IN CONTAINERS	4,628.8749	1,107	3,337.42	A
		80.7880	39	889,325.00	S
		3.4400	4	750.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,713.1029			
	N-OUTDR TRANSPLANTS	663.9685	44	196.37	A
		53.4110	11	771,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	717.3795			
	NECTARINE	5,677.2296	248	2,676.34	A
	OLIVE	1,461.2932	42	648.20	A
	ORANGE	11,279.3714	245	4,523.98	A
	PEACH	14,808.1039	552	8,996.51	A
	PEAR	158.6900	14	96.13	A
	PECAN	5.1200	2	5.60	A
	PISTACHIO	89,394.9926	635	48,904.47	A

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<b>ORYZALIN</b>					
	PLUM	9,662.6198	386	4,982.24	A
	POMEGRANATE	8,497.5962	73	6,491.95	A
	PRUNE	9,833.7543	163	5,999.14	A
	PUBLIC HEALTH	39.3019			
	QUINCE	0.0803	1	0.04	A
	RANGELAND	10.8350	2	3.68	A
	RASPBERRY	10.0325	1	4.00	A
	RECREATION AREA	0.5330		0.17	A
	REGULATORY PEST CONTROL	0.9217			
	RESEARCH COMMODITY	21.9536			
	RIGHTS OF WAY	49,933.8774			
	SOIL FUMIGATION/PREPLANT	59.3685	3	67.70	A
	SORGHUM/MILO	111.9219	10	111.50	A
	STONE FRUIT	20.0649		5.00	A
	STRUCTURAL PEST CONTROL	544.9541			
	TANGELO	107.2603	5	56.00	A
	TANGERINE	1,430.8634	36	454.58	A
	TURF/SOD	3.9980	1	1.00	A
	UNCULTIVATED AG	460.0387	5	255.25	A
		1.9124		13,870.00	S
	TOTAL POUNDS ON THIS COMMODITY	461.9511			
	UNCULTIVATED NON-AG	110.4554	3	48.11	A
	VERTEBRATE CONTROL	14.5947			
	WALNUT	17,319.1411	491	10,854.59	A
	Chemical Total	574,732.2771	10,394		
<b>OXADIAZON</b>					
	LANDSCAPE MAINTENANCE	6,518.9992			
	N-GRNHS FLOWER	11.7000	22	173,700.25	S
		2.5788	9	5.90	A
	TOTAL POUNDS ON THIS COMMODITY	14.2788			
	N-GRNHS PLANTS IN CONTAINERS	51.4100	28	28.35	A
		1.1070	4	33,958.00	S
	TOTAL POUNDS ON THIS COMMODITY	52.5170			
	N-GRNHS TRANSPLANTS	58.3000	10	39.00	A
		3.7200	3	8,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	62.0200			
	N-OUTDR FLOWER	618.0625	57	213.13	A
		4.8000	4	80.00	U
		0.1000	2	1,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	622.9625			
	N-OUTDR PLANTS IN CONTAINERS	2,559.9254	601	2,357.63	A
		45.1366	44	266,428.00	S
		9.8550	8	7,250.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,614.9170			
	N-OUTDR TRANSPLANTS	138.7000	33	173.40	A
		2.5300	3	357,920.00	S
	TOTAL POUNDS ON THIS COMMODITY	141.2300			
	PUBLIC HEALTH	10.0000			
	RIGHTS OF WAY	2,266.3557			
	STRUCTURAL PEST CONTROL	27.5994			
	TURF/SOD	628.0000	9	279.50	A
	UNCULTIVATED AG	3.0000	5	3.30	A
	UNCULTIVATED NON-AG	5.0000	3	1.16	A
	VERTEBRATE CONTROL	13.0800			
	Chemical Total	12,979.9596	845		
<b>OXAMYL</b>					
	APPLE	35.1049	1	47.00	A
	CANTALOUPE	78.5281	4	156.00	A
	CELERY	16,212.1602	1,938	22,742.87	A
	COTTON	83,045.4709	1,108	93,895.25	A
	CUCUMBER	231.5570	7	296.00	A
	EGGPLANT	102.2172	45	239.40	A
	MELON	349.9838	16	639.20	A
	N-GRNHS FLOWER	0.4978	1	0.50	A

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<b>OXAMYL</b>					
	N-GRNHS PLANTS IN CONTAINERS	12.7904	11	154,186.00	S
		0.5865	3	0.76	A
	TOTAL POUNDS ON THIS COMMODITY	13.3769			
	N-GRNHS TRANSPLANTS	2.1405	1	1.72	A
		0.4558	4	41,164.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.5963			
	N-OUTDR PLANTS IN CONTAINERS	24.3923	2	6.00	A
	ONION, DRY	2,565.8837	129	3,802.00	A
	PEPPER, FRUITING	3,046.5013	134	4,099.56	A
	PEPPER, SPICE	128.9503	7	166.50	A
	PUMPKIN	10.8222	2	14.50	A
	RESEARCH COMMODITY	3.1113			
	SQUASH	53.7625	4	104.00	A
	SQUASH, SUMMER	15.3721	4	25.50	A
	STRAWBERRY	0.6000	1	5.00	A
	TANGELO	9.9560	1	15.00	A
	TOMATO	4,382.6383	118	6,322.50	A
	TOMATO, PROCESSING	2,063.2521	39	2,982.90	A
	WATERMELON	225.9020	9	265.50	A
	Chemical Total	112,602.6372	3,589		
<b>OXYCARBOXIN</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.2813	2	0.50	A
	Chemical Total	0.2813	2		
<b>OXYDEMETON-METHYL</b>					
	ALFALFA	22.9987	8	52.00	A
	ARTICHOKES, GLOBE	0.4451	1	13.40	A
	BEAN, SUCCULENT	63.2982	9	216.00	A
	BROCCOLI	41,579.9438	6,548	84,818.16	A
	BRUSSELS SPROUT	1,016.8651	208	2,066.27	A
	CABBAGE	3,262.2332	635	5,341.79	A
	CAULIFLOWER	9,014.7225	1,697	18,399.49	A
	CHINESE CABBAGE (NAPPA)	70.2322	37	115.88	A
	CLOVER	17.6817	2	47.70	A
	CORN (FORAGE - FODDER)	179.9480	3	430.00	A
	CORN, HUMAN CONSUMPTION	4,034.4374	176	8,603.85	A
	CUCUMBER	117.8519	10	240.33	A
	LANDSCAPE MAINTENANCE	1,069.2833			
		23.0963	13	194.00	A
		5.1614	1	7.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,097.5410			
	LETTUCE, HEAD	38,390.6134	6,373	78,291.37	A
		3.9568	1	10,163.00	S
	TOTAL POUNDS ON THIS COMMODITY	38,394.5702			
	LETTUCE, LEAF	30.7638	6	72.20	A
	MINT	2.0117	2	3.58	A
	N-GRNHS FLOWER	1.4838	1	1.00	A
	N-OUTDR FLOWER	24.8633	5	67.00	A
	PEPPER, FRUITING	95.0787	11	191.90	A
	PUMPKIN	45.9972	6	93.00	A
	RAPPINI	1,036.8068	172	2,096.68	A
	RESEARCH COMMODITY	2.7821			
		1.1079	2	41.25	A
	TOTAL POUNDS ON THIS COMMODITY	3.8900			
	RIGHTS OF WAY	0.8109			
	SOIL FUMIGATION/PREPLANT	33.1378	2	70.00	A
	SPINACH	2.5323	1	5.10	A
	SQUASH	112.5103	15	217.80	A
	SQUASH, SUMMER	76.5829	15	154.80	A
	STRUCTURAL PEST CONTROL	1.5370			
	SUGARBEET	1,757.4888	69	3,997.22	A
	TURNIP	1.4994	1	3.00	A

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<b>OXYDEMETON-METHYL</b>					
	WALNUT	226.1562	12	413.90	A
	WATERMELON	228.5024	15	487.00	A
	Chemical Total	102,554.4223	16,057		
<b>OXYFLUORFEN</b>					
	ALFALFA	1.1999	1	62.00	A
	ALMOND	124,389.5014	10,762	585,731.34	A
		4.8697	1	27.00	U
		0.0001	1	3.33	S
	TOTAL POUNDS ON THIS COMMODITY	124,394.3712			
	ANIMAL PREMISE	2.0525		1.00	U
	APPLE	1,645.0208	175	3,045.35	A
	APRICOT	963.6493	146	2,733.27	A
	ARTICHOKE, GLOBE	7,654.9114	225	7,556.85	A
	AVOCADO	88.0003	35	240.45	A
	BEAN, DRIED	1,030.6631	29	2,801.00	A
	BEAN, SUCCULENT	34.8584	5	167.37	A
	BLUEBERRY	0.3848	1	1.50	A
	BROCCOLI	10,254.6143	3,105	35,318.53	A
	CABBAGE	1,485.1763	469	4,556.89	A
	CANTALOUPE	36.0606	1	78.00	A
	CARROT	36.6153	2	94.40	A
	CAULIFLOWER	5,154.5997	1,426	15,028.10	A
	CHERRY	7,512.9904	744	13,486.69	A
	CHESTNUT	31.1403	17	131.25	A
	CHRISTMAS TREE	39.9285	30	176.15	A
	CITRUS	73.2507	22	240.10	A
	CLOVER	45.1033	5	49.50	A
	COMMODITY FUMIGATION	11.2036			
	CORN (FORAGE - FODDER)	83.0792	20	1,011.00	A
	CORN, HUMAN CONSUMPTION	57.6541	28	957.60	A
	COTTON	38,789.4137	2,210	174,150.43	A
	COUNTY AG COMM	0.4644	1	1.00	A
	DATE	32.0434	4	29.50	A
	DITCH BANK	56.9572	4	43.00	A
	FIG	3,345.6895	120	6,610.68	A
	FORAGE HAY/SILAGE	0.8748	2	42.00	A
	FUMIGATION, OTHER	5.2397			
	GARLIC	7,191.1231	193	22,954.12	A
	GRAPE	41,584.4221	3,380	118,178.18	A
	GRAPE, WINE	127,583.4973	7,980	221,899.07	A
	GRAPEFRUIT	53.6239	12	96.40	A
	KIWI	257.5842	30	1,305.23	A
	LANDSCAPE MAINTENANCE	2,797.0178			
		0.0957	3	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,797.1135			
	LEMON	137.4287	16	457.90	A
	LETTUCE, HEAD	17.3845	5	66.20	A
	MELON	11.6055	2	142.40	A
	MINT	391.6024	60	2,325.23	A
	N-GRNHS FLOWER	7.1295	10	212.79	A
		0.0160	1	5,544.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.1455			
	N-GRNHS PLANTS IN CONTAINERS	68.6119	71	1,621,382.00	S
		41.1164	18	19.30	A
	TOTAL POUNDS ON THIS COMMODITY	109.7283			
	N-GRNHS TRANSPLANTS	24.7000	3	11.50	A
		0.1000		10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	24.8000			
	N-OUTDR FLOWER	320.4526	101	613.05	A
	N-OUTDR PLANTS IN CONTAINERS	4,398.1406	1,198	3,883.05	A
		131.7978	106	2,866,883.00	S
		5.9800	7	9,690.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,535.9184			
	N-OUTDR TRANSPLANTS	298.4759	110	439.56	A
		8.2300	6	159,084.00	S
	TOTAL POUNDS ON THIS COMMODITY	306.7059			

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<b>OXYFLUORFEN</b>					
	NECTARINE	4,883.9926	1,505	17,845.96	A
	OAT (FORAGE - FODDER)	3.3117	2	88.40	A
	OLIVE	1,014.1744	224	4,589.42	A
		1.5999	1	11.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,015.7743			
	ONION, DRY	10,392.8436	962	52,733.12	A
	ONION, GREEN	5.3496	5	139.25	A
	ORANGE	4,076.2780	360	10,981.02	A
	ORCHARD FLOOR	0.1283	1	0.50	A
	PASTURELAND	0.9246	1	5.00	A
	PEACH	9,661.6384	2,138	29,802.34	A
	PEAR	1,269.1117	203	5,351.42	A
	PECAN	275.2707	42	736.65	A
	PEPPER, FRUITING	141.4285	11	463.84	A
	PERSIMMON	254.6335	36	234.92	A
	PISTACHIO	58,290.0336	1,716	107,090.64	A
	PLUM	6,376.3064	1,273	14,677.74	A
	POMEGRANATE	5,200.0787	71	5,685.42	A
	PRUNE	7,078.4096	525	20,206.08	A
	PUBLIC HEALTH	6.1432			
	QUINCE	64.5207	9	111.04	A
	RANGELAND	35.6175	3	36.20	A
	REGULATORY PEST CONTROL	71.0616			
	RESEARCH COMMODITY	106.1139			
		0.6574	1	4.00	A
	TOTAL POUNDS ON THIS COMMODITY	106.7713			
	RICE	25.4860	14	1,256.00	A
	RIGHTS OF WAY	24,581.4441			
		566.7039	153	4,531.50	A
	TOTAL POUNDS ON THIS COMMODITY	25,148.1480			
	SAFFLOWER	76.7817	10	639.50	A
	SOIL FUMIGATION/PREPLANT	8,747.3415	870	53,565.52	A
	SORGHUM/MILO	15.7002	3	153.00	A
	SQUASH	0.1000	1	1.00	A
	STRAWBERRY	0.0205	2	0.04	A
	STRUCTURAL PEST CONTROL	123.8455			
	SUGARBEET	11.0216	3	191.00	A
	TANGELO	31.3433	5	115.00	A
	TANGERINE	1,818.8667	58	2,312.08	A
	TOMATO	94.5808	11	736.00	A
	TOMATO, PROCESSING	2,482.0508	171	13,488.90	A
	TURF/SOD	0.4000	1	2.00	A
	UNCULTIVATED AG	12,659.6051	1,589	75,621.49	A
	UNCULTIVATED NON-AG	1,826.7296	194	3,686.37	A
		3.2508		70,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,829.9804			
	VERTEBRATE CONTROL	53.1542			
		12.7129	3	34.00	A
	TOTAL POUNDS ON THIS COMMODITY	65.8671			
	WALNUT	27,212.1607	3,936	111,153.89	A
	WATER AREA	4.6079		41.00	A
	WATERMELON	1.9156	1	22.00	A
	WHEAT	240.6331	15	996.80	A
	Chemical Total	577,997.4312	49,032		
<b>OXYTETRACYCLINE, CALCIUM COMPLEX</b>					
	APPLE	65.3231	59	484.60	A
	GRAPE, WINE	11.6550	5	60.75	A
	N-OUTDR PLANTS IN CONTAINERS	1.5750	1	5.00	A
	N-OUTDR TRANSPLANTS	0.9445	2	2.00	A
	PEAR	11,708.5227	1,788	48,771.62	A
	STRUCTURAL PEST CONTROL	5.4141			
	Chemical Total	11,793.4344	1,855		

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<b>OXYTETRACYCLINE HYDROCHLORIDE</b>					
	PEAR	176.7575	34	2,800.50	A
	Chemical Total	176.7575	34		
<b>OXYTHIOQUINOX</b>					
	CHRISTMAS TREE	0.5443	2	3.30	A
	GRAPE, WINE	0.3124	1	18.50	A
	LANDSCAPE MAINTENANCE	2.9633			
	LEMON	0.5000	1	0.40	A
	N-GRNHS FLOWER	1.0792	3	1.45	A
	N-GRNHS TRANSPLANTS	0.6048	1	5.00	A
	N-OUTDR FLOWER	9.7511	13	53.00	A
		0.2500	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	10.0011			
	N-OUTDR PLANTS IN CONTAINERS	3.4783	8	14.20	A
		0.5206	1	27,000.00	S
		0.2500	1	50,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	4.2489			
	N-OUTDR TRANSPLANTS	6.2500	2	41.00	A
	STRUCTURAL PEST CONTROL	0.1210			
	Chemical Total	26.6250	34		
<b>PACLOBUTRAZOL</b>					
	LANDSCAPE MAINTENANCE	0.9989			
	N-GRNHS FLOWER	3.0182	182	179.75	A
		0.8818	63	1,219,380.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.9000			
	N-GRNHS PLANTS IN CONTAINERS	26.9426	1,750	997.30	A
		21.2592	1,039	25,890,792.00	S
		0.1129	20	85,320.00	U
	TOTAL POUNDS ON THIS COMMODITY	48.3147			
	N-GRNHS TRANSPLANTS	1.2486	520	6,527,475.00	S
		0.2707	141	141.37	A
	TOTAL POUNDS ON THIS COMMODITY	1.5193			
	N-OUTDR FLOWER	1.7905	90	3,830,492.00	S
		0.1867	21	102.05	A
	TOTAL POUNDS ON THIS COMMODITY	1.9772			
	N-OUTDR PLANTS IN CONTAINERS	11.5001	614	1,176.73	A
		7.5214	421	17,069,965.00	S
		0.0082	3	6,580.00	U
	TOTAL POUNDS ON THIS COMMODITY	19.0297			
	N-OUTDR TRANSPLANTS	3.3876	280	93.50	A
		1.5947	85	546,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.9823			
	RESEARCH COMMODITY	0.0014	1	0.05	A
	RIGHTS OF WAY	10,547.2714			
	STRUCTURAL PEST CONTROL	0.7025			
	Chemical Total	10,628.6974	5,230		
<b>PARAFFIN WAX</b>					
	ALFALFA	1.2795	1	40.00	A
	LEMON	0.0720	1	3.00	A
	RIGHTS OF WAY	8.4067			
	Chemical Total	9.7582	2		
<b>PARAQUAT DICHLORIDE</b>					
	ALFALFA	161,184.1221	4,512	258,297.10	A
	ALMOND	193,517.0920	4,783	242,178.69	A
	APPLE	3,944.2304	170	4,409.61	A
	APRICOT	847.9898	83	956.56	A
	ARTICHOKE, GLOBE	4,986.1883	153	6,548.20	A
	ASPARAGUS	1,677.8486	52	1,664.55	A
	AVOCADO	228.1182	43	409.15	A
	BARLEY	117.5600	3	213.71	A

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<b>PARAQUAT DICHLORIDE</b>					
	BEAN, SUCCULENT	635.1214	36	513.00	A
	BEAN, UNSPECIFIED	4.3304	1	10.00	A
	BERMUDAGRASS	72.9531	2	56.00	A
	BLACKBERRY	33.0830	5	33.25	A
	BLUEBERRY	2,072.7923	47	2,094.49	A
	BOK CHOY	4.8882	1	3.50	A
	BOYSENBERRY	81.2561	4	83.00	A
	BROCCOLI	293.8055	23	230.41	A
	CABBAGE	7.0346	2	5.80	A
	CANTALOUPE	167.7734	1	120.00	A
	CARROT	38.3186	1	37.00	A
	CAULIFLOWER	195.1087	6	153.70	A
	CELERY	3.2105	1	6.20	A
	CHERRY	11,025.9703	659	13,196.06	A
	CHESTNUT	84.4460	19	208.75	A
	CHINESE CABBAGE (NAPPA)	40.2242	5	28.75	A
	CITRUS	137.3020	16	172.38	A
	CLOVER	767.0297	26	981.10	A
	COMMODITY FUMIGATION	16.5702			
	CORN (FORAGE - FODDER)	9,130.3252	207	11,216.83	A
	CORN, HUMAN CONSUMPTION	542.8649	13	505.00	A
	COTTON	226,291.5158	4,126	434,773.02	A
	CUCUMBER	943.0347	36	509.50	A
	EGGPLANT	10.3564	3	14.00	A
	ENDIVE (ESCAROLE)	17.4816	2	12.50	A
	FIG	730.7090	28	1,175.02	A
	FORAGE HAY/SILAGE	5.1782	1	5.00	A
	FUMIGATION, OTHER	8.6607			
	GARLIC	61.3512	5	98.00	A
	GRAIN	59.5492	1	100.00	A
	GRAPE	89,339.4203	3,611	131,109.06	A
	GRAPE, WINE	83,404.1360	2,300	131,208.98	A
	GRAPEFRUIT	59.5872	7	58.00	A
	KALE	3.5076	1	3.00	A
	KIWI	1,701.6051	48	1,499.36	A
	LANDSCAPE MAINTENANCE	495.2699			
	LEMON	1,566.8830	53	1,408.13	A
	LETTUCE, HEAD	2,538.8951	88	1,991.87	A
	LETTUCE, LEAF	515.3630	28	433.95	A
	MELON	416.9323	7	483.00	A
	MINT	2,923.9157	100	4,166.42	A
	MUSTARD	3.4643	1	4.00	A
	N-GRNHS FLOWER	2.9412	1	17.04	A
	N-GRNHS PLANTS IN CONTAINERS	7.2677	2	2.00	A
	N-OUTDR FLOWER	73.7170	12	68.70	A
	N-OUTDR PLANTS IN CONTAINERS	561.6745	58	534.21	A
	N-OUTDR TRANSPLANTS	82.4963	22	125.76	A
	NECTARINE	10,348.4301	848	13,409.86	A
	OAT (FORAGE - FODDER)	0.2832	1	70.00	A
	OLIVE	1,519.8393	75	1,701.98	A
	ONION, DRY	1,173.0467	25	1,298.02	A
	ORANGE	7,390.3295	305	8,754.86	A
	ORCHARD FLOOR	38.3186	5	71.00	A
	PASTURELAND	39.9217	10	66.25	A
	PEACH	16,474.0922	1,574	21,392.09	A
	PEAR	1,595.9158	61	2,171.28	A
	PEAS	88.6117	6	67.00	A
	PECAN	82.9028	5	87.00	A
	PEPPER, FRUITING	2,173.5214	78	2,366.91	A
	PEPPER, SPICE	900.5597	40	668.00	A
	PERSIMMON	0.9269	3	2.64	A
	PISTACHIO	22,112.7091	438	43,287.17	A
	PLUM	10,140.5631	932	11,311.36	A
	POMEGRANATE	1,278.5685	7	476.00	A
	POTATO	208.3831	5	298.00	A
	PRUNE	5,790.2168	244	8,665.61	A
	PUMPKIN	0.0744	1	0.33	A
	RANGELAND	24.3954	2	37.00	A



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<b>PARAQUAT DICHLORIDE</b>					
	RASPBERRY	312.4689	29	253.00	A
	RESEARCH COMMODITY	112.5215			
		23.4071	7	43.72	A
	TOTAL POUNDS ON THIS COMMODITY	135.9286			
	RICE	127.7977	2	123.40	A
	RIGHTS OF WAY	8,449.8182			
		126.7362	9	140.00	A
	TOTAL POUNDS ON THIS COMMODITY	8,576.5544			
	SAFFLOWER	228.5860	3	205.00	A
	SOIL FUMIGATION/PREPLANT	2,838.8765	60	5,503.19	A
	SOYBEAN	21.7484	2	30.00	A
	SQUASH	202.4051	10	148.50	A
	SQUASH, SUMMER	15.5346	1	12.00	A
	STRAWBERRY	860.7609	106	1,214.23	A
	STRUCTURAL PEST CONTROL	101.5343			
	SUGARBEET	447.1389	7	403.30	A
	SUNFLOWER	2,230.1254	42	2,867.70	A
	TANGELO	25.8114	5	39.10	A
	TANGERINE	958.2196	39	935.65	A
	TOMATO	823.0358	11	909.20	A
	TOMATO, PROCESSING	4,387.5147	76	7,425.72	A
	UNCULTIVATED AG	14,066.0041	452	20,214.05	A
	UNCULTIVATED NON-AG	1,343.7925	182	1,118.88	A
	VERTEBRATE CONTROL	12.4714	1	25.62	A
	WALNUT	28,183.3766	1,535	39,710.33	A
	WATERMELON	1,077.2459	4	214.00	A
	WHEAT	906.8875	12	1,264.20	A
	WHEAT (FORAGE - FODDER)	16.4487	2	23.00	A
	Chemical Total	952,964.3486	28,677		
<b>SODIUM PARA-TERT-AMYLPHENATE</b>					
	ANIMAL PREMISE	0.8254		3.00	U
	FUMIGATION, OTHER	2.2698			
	LANDSCAPE MAINTENANCE	0.3095			
	STRUCTURAL PEST CONTROL	0.2063			
	Chemical Total	3.6110			
<b>PARATHION</b>					
	ALFALFA	50.6516	1	72.00	A
	CABBAGE	9.1214	2	24.00	A
	CHERRY	17.0450	4	113.00	A
	GRAPE	5.1330	5	39.50	A
	GRAPE, WINE	108.5000	6	53.25	A
	LANDSCAPE MAINTENANCE	0.2532			
	N-OUTDR PLANTS IN CONTAINERS	0.6567	2	0.80	A
	PEPPER, FRUITING	15.6367	1	41.00	A
	STRAWBERRY	1.3665	1	11.00	A
	STRUCTURAL PEST CONTROL	20.1397			
	TOMATO	3.8277	1	15.00	A
	TOMATO, PROCESSING	8.1529	1	22.90	A
	Chemical Total	240.4844	24		
<b>PARATHION, OTHER RELATED</b>					
	CHERRY	0.8144	4	113.00	A
	TOMATO, PROCESSING	0.3891	1	22.90	A
	Chemical Total	1.2035	5		
<b>PCNB</b>					
	BEAN, DRIED	2.5614		149.00	A
	BROCCOLI	18.7500	4	74,500.00	S
		6.8064	13	3.73	A
	TOTAL POUNDS ON THIS COMMODITY	25.5564			
	BRUSSELS SPROUT	5,613.7500	23	245.50	A
	CHINESE GREENS	1.0000	2	80.00	A

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<b>PCNB</b>					
	COTTON	1,141.0305		706.60	T
		966.0900	19	1,762.40	A
	TOTAL POUNDS ON THIS COMMODITY	2,107.1205			
	GRAPE, WINE	0.0625	1	2.00	A
	LANDSCAPE MAINTENANCE	16,381.2612			
		6.9300	1	60.00	A
	TOTAL POUNDS ON THIS COMMODITY	16,388.1912			
	N-GRNHS FLOWER	324.0599	17	274,000.00	S
		223.1118	94	75.57	A
	TOTAL POUNDS ON THIS COMMODITY	547.1717			
	N-GRNHS PLANTS IN CONTAINERS	649.7551	442	178.24	A
		353.2547	152	2,994,398.00	S
		2.6031	1	20,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,005.6129			
	N-GRNHS TRANSPLANTS	13.4416	6	225,393.00	S
		9.1109	6	11.00	A
	TOTAL POUNDS ON THIS COMMODITY	22.5525			
	N-OUTDR FLOWER	1,873.9319	45	127.19	A
		23.6097	10	381,129.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,897.5416			
	N-OUTDR PLANTS IN CONTAINERS	2,279.1437	375	463.61	A
		536.3336	116	2,288,934.00	S
		12.0000	1	360.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,827.4773			
	N-OUTDR TRANSPLANTS	1,362.5578	337	1,731,571.00	S
		730.5411		5,531,198.00	U
		19.9688	5	11.75	A
	TOTAL POUNDS ON THIS COMMODITY	2,113.0677			
	POTATO	1,057.7838	5	425.00	A
	RECREATION AREA	24.2550	1	33.09	A
	RESEARCH COMMODITY	29.1116			
		6.0469	8	0.84	A
	TOTAL POUNDS ON THIS COMMODITY	35.1585			
	STRUCTURAL PEST CONTROL	329.2174			
	TURF/SOD	177.5000	1	5.40	A
	Chemical Total	34,175.5804	1,685		
<b>PENTACHLOROPHENOL</b>					
	GRAPE, WINE	1.8960	1	20.00	A
	STRUCTURAL PEST CONTROL	0.5399			
	Chemical Total	2.4359	1		
<b>PCP, OTHER RELATED</b>					
	GRAPE, WINE	0.2160	1	20.00	A
	STRUCTURAL PEST CONTROL	0.0626			
	Chemical Total	0.2786	1		
<b>PEBULATE</b>					
	RIGHTS OF WAY	15.0199			
	SUGARBEET	627.6793	2	139.30	A
	TOMATO	1,075.3082	19	611.50	A
	TOMATO, PROCESSING	8,400.4628	48	3,567.90	A
	Chemical Total	10,118.4702	69		
<b>PENDIMETHALIN</b>					
	ALFALFA	10,329.2632	59	3,981.50	A
	ALMOND	33,133.4392	445	23,780.63	A
	APPLE	162.0478	8	67.50	A
	APRICOT	423.9738	10	159.05	A
	BEAN, DRIED	6,777.8604	105	6,828.52	A
	BEAN, SUCCULENT	1,671.3543	77	2,036.86	A
	BEAN, UNSPECIFIED	169.7585	4	141.20	A
	CARROT	21.1677	2	22.00	A
	CHERRY	2,236.6479	56	994.89	A

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<b>PENDIMETHALIN</b>					
	CHRISTMAS TREE	10.6587	4	31.00	A
	CITRUS	15.9842	3	40.00	A
	CORN (FORAGE - FODDER)	6,456.7740	116	5,905.53	A
	CORN, HUMAN CONSUMPTION	5,817.8290	178	5,912.12	A
	COTTON	158,450.3843	1,606	140,893.48	A
	FOREST, TIMBERLAND	0.0677	1	291.00	U
	GARLIC	12,352.1563	124	13,375.90	A
	GRAPE	3,334.3940	78	2,012.82	A
	GRAPE, WINE	4,947.1279	123	2,817.05	A
	GRAPEFRUIT	10.9005	1	10.00	A
	LANDSCAPE MAINTENANCE	47,944.3335			
		3.8813	3	130.00	A
	TOTAL POUNDS ON THIS COMMODITY	47,948.2148			
	LEMON	192.5035	4	108.00	A
	N-GRNHS FLOWER	1,202.7702	26	584.01	A
	N-GRNHS PLANTS IN CONTAINERS	67.3927	19	34.41	A
		35.3479	71	1,521,766.00	S
	TOTAL POUNDS ON THIS COMMODITY	102.7406			
	N-GRNHS TRANSPLANTS	9.7980	3	8.50	A
		0.6000	1	19,680.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.3980			
	N-OUTDR FLOWER	480.1908	38	319.65	A
	N-OUTDR PLANTS IN CONTAINERS	7,993.2342	2,499	5,830.59	A
		78.0629	141	2,968,489.00	S
		20.8950	9	33,790.00	U
	TOTAL POUNDS ON THIS COMMODITY	8,092.1921			
	N-OUTDR TRANSPLANTS	129.9970	50	132.62	A
		7.0000	1	3.50	U
		6.6550	9	208,529.00	S
	TOTAL POUNDS ON THIS COMMODITY	143.6520			
	NECTARINE	2,513.2724	103	1,341.84	A
	ONION, DRY	15,616.5910	369	20,746.28	A
	ORANGE	4,984.8103	99	3,474.37	A
	PEACH	4,432.3024	154	1,955.34	A
	PECAN	10.0005	1	4.00	A
	PISTACHIO	10,854.5639	119	5,940.33	A
	PLUM	1,466.6137	64	857.50	A
	POTATO	9,068.0425	201	11,936.46	A
	PRUNE	2,059.8274	30	937.50	A
	PUBLIC HEALTH	14.3090			
	REGULATORY PEST CONTROL	164.7999		113.00	A
		8.4000			
	TOTAL POUNDS ON THIS COMMODITY	173.1999			
	RESEARCH COMMODITY	24.7177			
		0.4167		1.00	A
	TOTAL POUNDS ON THIS COMMODITY	25.1344			
	RICE	3,874.4174	59	3,365.53	A
	RIGHTS OF WAY	167,936.9499			
		9.0000		11.00	A
	TOTAL POUNDS ON THIS COMMODITY	167,945.9499			
	SOIL FUMIGATION/PREPLANT	1,451.1640	11	1,140.00	A
	SORGHUM/MILO	239.5453	6	358.00	A
	STRUCTURAL PEST CONTROL	319.2908			
	SUDANGRASS	222.0111	1	148.00	A
	SUGARCANE	207.9271	9	90.50	A
	SUNFLOWER	1,356.2167	22	1,642.00	A
	TANGELO	17.2996	2	13.00	A
	TANGERINE	2,127.5782	16	799.89	A
	TURF/SOD	206.4722	6	159.90	A
	UNCULTIVATED AG	83.3609		20.00	A
	UNCULTIVATED NON-AG	25.8658	2	22.00	A
	UNKNOWN	79.1706	7	80.00	A
	VERTEBRATE CONTROL	75.8371			
	WALNUT	8,628.6758	173	5,840.59	A
	WHEAT	59.8306	1	40.00	A
	Chemical Total	542,633.7319	7,329		

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<b>PENTYL VALERATE</b>					
	GRAPE, WINE	23.0000	1	8.00	A
	Chemical Total	23.0000	1		
<b>PERFUME</b>					
	LANDSCAPE MAINTENANCE	0.0260			
	PUBLIC HEALTH	0.0010			
	STRUCTURAL PEST CONTROL	0.0164			
	Chemical Total	0.0434			
<b>PERMETHRIN</b>					
	ALFALFA	3,097.7573	386	25,082.57	A
	ALMOND	18,164.3510	1,308	100,544.07	A
	ANIMAL PREMISE	31.6565		62.00	U
		18.6565		76.00	A
		0.8514		3,640.00	S
	TOTAL POUNDS ON THIS COMMODITY	51.1644			
	APPLE	0.0253	2	33.00	A
	ARRUGULA	11.3701	16	77.50	A
	ARTICHOKE, GLOBE	2,126.0212	258	7,867.92	A
	ASPARAGUS	1.1000	1	11.00	A
	BEAN, SUCCULENT	0.5897	1	3.00	A
	BOK CHOY	3.5527	13	11.90	A
	BROCCOLI	808.6427	506	8,406.66	A
	BRUSSELS SPROUT	41.2207	43	495.00	A
	CABBAGE	758.0364	375	4,546.44	A
	CANTALOUPE	308.0433	35	2,811.60	A
	CARDOON	0.9675	1	7.73	A
	CARROT	2.9575	4	24.30	A
	CAULIFLOWER	180.1370	158	1,928.90	A
	CELERY	5,531.7143	2,601	33,270.52	A
	CHERRY	151.1259	46	876.50	A
	CHICORY	618.1152	148	3,083.68	A
	CHINESE CABBAGE (NAPPA)	41.7117	42	294.20	A
	COLE CROP	3.7325	1	19.90	A
	COLLARD	0.1320	1	0.66	A
	CORN (FORAGE - FODDER)	4,331.6625	612	32,774.73	A
	CORN, HUMAN CONSUMPTION	348.7732	223	2,675.13	A
	COTTON	10.8730	5	111.40	A
	CUCUMBER	285.0812	47	1,645.50	A
	EGGPLANT	6.4074	8	40.00	A
	ENDIVE (ESCAROLE)	315.0041	583	2,102.37	A
	FENNEL	7.9425	6	60.40	A
	GAI LON	0.3246	2	2.10	A
	GARLIC	30.8714	1	154.00	A
	GRAPE, WINE	1.0125	1	7.20	A
	LANDSCAPE MAINTENANCE	19,191.0639			
	LETTUCE, HEAD	19,238.6660	7,240	123,482.60	A
		0.1953	4	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	19,238.8613			
	LETTUCE, LEAF	12,107.0262	7,938	81,296.54	A
		0.0625	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12,107.0887			
	MELON	216.1413	22	2,226.32	A
	MUSHROOM	341.2329	5,324	37,044,033.00	S
		8.4401	74	25.59	A
	TOTAL POUNDS ON THIS COMMODITY	349.6730			
	N-GRNHS FLOWER	140.5928	183	639.88	A
		38.0763	81	2,362,778.00	S
	TOTAL POUNDS ON THIS COMMODITY	178.6691			
	N-GRNHS PLANTS IN CONTAINERS	135.9868	377	503.15	A
		124.5454	357	13,049,487.20	S
		0.5111	2	52,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	261.0433			
	N-GRNHS TRANSPLANTS	53.7768	427	444.59	A
		2.5115	18	325,672.00	S
	TOTAL POUNDS ON THIS COMMODITY	56.2883			

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<b>PERMETHRIN</b>					
	N-OUTDR FLOWER	599.5796	533	3,258.68	A
		12.9229	36	1,352,760.00	S
	TOTAL POUNDS ON THIS COMMODITY	612.5025			
	N-OUTDR PLANTS IN CONTAINERS	729.4894	675	2,887.76	A
		18.7245	96	2,735,355.00	S
		9.5260	192	274,165.00	U
	TOTAL POUNDS ON THIS COMMODITY	757.7399			
	N-OUTDR TRANSPLANTS	72.4646	225	424.52	A
		2.8607	18	502,320.00	S
	TOTAL POUNDS ON THIS COMMODITY	75.3253			
	NECTARINE	12.2172	8	62.00	A
	OAT	1.0940	1	11.00	A
	ONION, DRY	1,996.2553	178	9,236.40	A
	PARSLEY	160.3357	42	921.41	A
	PEACH	3,388.6872	543	13,227.67	A
	PEPPER, FRUITING	300.9976	88	1,877.19	A
	PEPPER, SPICE	138.3263	9	407.20	A
	PISTACHIO	39,080.8712	1,601	146,900.91	A
	POTATO	1,336.9651	106	7,432.60	A
	PRUNE	2.6853	1	9.00	A
	PUBLIC HEALTH	801.5634			
	PUMPKIN	43.7454	23	238.08	A
	REGULATORY PEST CONTROL	8,116.0421			
	RESEARCH COMMODITY	4.3046			
		1.5725		0.30	A
	TOTAL POUNDS ON THIS COMMODITY	5.8771			
	RIGHTS OF WAY	278.8240			
		0.0590	1	0.15	A
	TOTAL POUNDS ON THIS COMMODITY	278.8830			
	SOIL FUMIGATION/PREPLANT	59.7124	4	300.20	A
	SOYBEAN	37.3949	3	188.00	A
	SPINACH	5,415.0008	3,955	33,409.53	A
	SQUASH	93.7534	29	499.94	A
	SQUASH, SUMMER	59.8192	30	361.20	A
	SQUASH, WINTER	5.3785	1	27.00	A
	STRUCTURAL PEST CONTROL	302,167.4537			
	SWISS CHARD	99.3400	161	612.97	A
	TOMATILLO	29.8500	10	117.60	A
	TOMATO	685.5369	144	3,857.64	A
	TOMATO, PROCESSING	3,175.9475	257	17,565.65	A
	TURKEY	2.6677	1	14,960.00	S
	UNKNOWN	20.4249	23	107.80	A
		0.1504	1	50,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	20.5753			
	VEGETABLES, LEAFY	48.1184	54	249.56	A
	VERTEBRATE CONTROL	52.4511			
		8.3788	3	43.50	A
	TOTAL POUNDS ON THIS COMMODITY	60.8299			
	WALNUT	2,917.2504	263	12,794.71	A
	WATERMELON	324.4760	60	1,712.00	A
	Chemical Total	461,152.4683	38,857		
<b>PERMETHRIN, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	0.0113			
	STRUCTURAL PEST CONTROL	2.0125			
	Chemical Total	2.0238			
<b>PEROXYACETIC ACID</b>					
	STRUCTURAL PEST CONTROL	0.0105			
	Chemical Total	0.0105			
<b>PETROLEUM DERIVATIVE RESIN</b>					
	LANDSCAPE MAINTENANCE	1.2000			
	Chemical Total	1.2000			

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<b>PETROLEUM DISTILLATES</b>					
	ALFALFA	18,587.6659	482	28,713.80	A
	ALMOND	18,243.3542	799	37,540.13	A
	ANIMAL PREMISE	0.0898		12,000.00	S
	APPLE	548.3390	13	461.42	A
	APRICOT	287.2780	17	492.05	A
	ARRUGULA	0.4681	1	2.00	A
	ASPARAGUS	624.9736	38	918.40	A
	AVOCADO	37.1538	33	157.25	A
	BARLEY	0.8832	2	150.00	A
	BEAN, DRIED	386.0431	6	346.00	A
	BEAN, SUCCULENT	30.1879	1	20.00	A
	BEAN, UNSPECIFIED	8.1507	1	28.77	A
	BLUEBERRY	11.5155	9	260.10	A
	BROCCOLI	129.9209	6	329.69	A
	CABBAGE	2.3546	1	8.39	A
	CANTALOUPE	189.6578	7	535.60	A
	CARROT	881.3057	29	1,245.60	A
	CAULIFLOWER	632.1261	14	1,261.70	A
	CELERY	846.2346	88	718.30	A
	CHERRY	895.4029	50	1,710.52	A
	CHINESE GREENS	6.5206	1	8.60	A
	CITRUS	2,311.3018	23	200.40	A
	CORN (FORAGE - FODDER)	5,101.9634	125	6,152.40	A
	CORN, HUMAN CONSUMPTION	483.3957	13	423.50	A
	COTTON	24,508.1615	716	48,541.41	A
	ENDIVE (ESCAROLE)	0.1262	2	3.00	A
	FENNEL	5.7357	1	7.60	A
	GARLIC	169.3822	2	225.60	A
	GRAPE	7,488.9957	716	24,484.14	A
	GRAPE, WINE	2,364.3404	214	9,946.66	A
	GRAPEFRUIT	8,531.4262	22	194.00	A
	KIWI	129.2426	14	171.80	A
	LANDSCAPE MAINTENANCE	7,483.7421			
	LEMON	4,578.1497	57	1,744.03	A
	LETTUCE, HEAD	1.9636	1	16.60	A
	LETTUCE, LEAF	202.5817	18	259.40	A
	MELON	414.5842	5	553.00	A
	MUSTARD	5.4364	2	8.70	A
	N-GRNHS FLOWER	81.3869	28	71.04	A
	N-GRNHS PLANTS IN CONTAINERS	2.7231	3	5.35	A
		0.0078	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.7309			
	N-GRNHS TRANSPLANTS	0.0943		10,000.00	S
	N-OUTDR FLOWER	4.8460	3	6.50	A
	N-OUTDR PLANTS IN CONTAINERS	253.9900	97	201.23	A
		0.1415	1	4,000.00	U
		0.0707	1	6,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	254.2022			
	N-OUTDR TRANSPLANTS	0.2474	1	3.00	A
	NECTARINE	67.4422	10	127.00	A
	OAT	7.7362	3	111.00	A
	OAT (FORAGE - FODDER)	21.7413	2	66.00	A
	OLIVE	3,638.5033	51	1,439.39	A
	ONION, DRY	2,156.7146	25	1,786.60	A
	ORANGE	425,286.1084	1,117	32,988.01	A
	ORCHARD FLOOR	0.7364	1	0.50	A
	PASTURELAND	35.6258	2	140.00	A
	PEACH	3,502.0957	29	396.69	A
	PEAR	8,005.3524	25	1,306.10	A
	PECAN	11.9952	2	30.00	A
	PISTACHIO	4,494.2844	186	9,169.30	A
	PLUM	1,140.1318	59	1,051.56	A
	POMEGRANATE	13.7196	4	31.50	A
	POTATO	354.9382	13	837.00	A
	PRUNE	293.2161	3	192.00	A
	PUBLIC HEALTH	1,013,812.5404			
	RANGELAND	1.8867	1	20.00	A
	RASPBERRY	3.5142	3	13.00	A

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<b>PETROLEUM DISTILLATES</b>					
	REGULATORY PEST CONTROL	18.0420			
	RESEARCH COMMODITY	0.0722			
	RICE	1,122.3591	35	2,344.90	A
	RIGHTS OF WAY	1,751.0332			
		6.7923	6	13.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,757.8255			
	SAFFLOWER	7.8859	1	100.00	A
	SOIL FUMIGATION/PREPLANT	139.4443	4	222.00	A
	SQUASH	1.1046	1	0.75	A
	STRUCTURAL PEST CONTROL	12,903.5827			
	SUDANGRASS	29.9880	1	40.00	A
	SUGARBEET	691.4638	15	869.40	A
	TANGELO	4,523.5540	22	834.30	A
	TANGERINE	3,908.8964	45	731.33	A
	TOMATO	158.0473	5	384.00	A
	TOMATO, PROCESSING	3,502.0106	202	14,130.26	A
	TURF/SOD	9.4186	1	10.00	A
	TURNIP	6.0376	2	20.00	A
	UNCULTIVATED AG	651.3679	29	1,217.20	A
	UNCULTIVATED NON-AG	170.7545	28	210.58	A
	VERTEBRATE CONTROL	0.1469			
	WALNUT	913.5092	84	3,785.52	A
	WATERMELON	27.1815	4	197.20	A
	WHEAT	593.0779	25	1,509.60	A
	WHEAT (FORAGE - FODDER)	25.1300	7	218.30	A
	Chemical Total	1,600,482.8462	5,717		
<b>PETROLEUM DISTILLATES, ALIPHATIC</b>					
	ALFALFA	3,024.8678	36	1,894.50	A
	ALMOND	148.9019	17	394.50	A
	BEAN, DRIED	22.6409	1	12.00	A
	BEAN, SUCCULENT	148.1098	8	157.00	A
	BEAN, UNSPECIFIED	40.8856	11	200.50	A
	BROCCOLI	0.0297	1	9.60	A
	CHERRY	18.8675	1	10.00	A
	CLOVER	150.9396	1	80.00	A
	CORN (FORAGE - FODDER)	1,165.1028	7	677.00	A
	COTTON	1,397.8672	32	1,662.00	A
	GARLIC	0.9997	9	1,158.00	A
	GRAPE	0.0515	3	8.00	A
	GRAPE, WINE	57.2122	9	239.33	A
	LETTUCE, HEAD	101.8842	4	54.00	A
	OAT (FORAGE - FODDER)	145.2794	1	154.00	A
	PEACH	14.6223	2	60.00	A
	PRUNE	79.9556	12	400.50	A
	RICE	20,047.2330	162	12,632.20	A
	RIGHTS OF WAY	1,986.8183			
	SAFFLOWER	226.4094	1	120.00	A
	SQUASH, SUMMER	37.7349	1	20.00	A
	SUGARBEET	149.0529	1	79.00	A
	TOMATO, PROCESSING	57.2177	7	457.00	A
	UNCULTIVATED AG	344.1043	63	603.30	A
	WALNUT	1,271.2549	385	4,029.19	A
	WHEAT	0.1747	5	784.00	A
	WHEAT (FORAGE - FODDER)	0.0660	1	8.00	A
	Chemical Total	30,638.2838	781		
<b>PETROLEUM DISTILLATES, AROMATIC</b>					
	ANIMAL PREMISE	171.7743		1,920,000.00	S
		3.2688		18.00	A
	TOTAL POUNDS ON THIS COMMODITY	175.0431			
	AVOCADO	9.7661	1	5.00	A
	BEET	8.5988	4	2.10	A
	BROCCOLI	49.7563	9	86.20	A
	CABBAGE	3.6785	1	8.00	A
	LANDSCAPE MAINTENANCE	217.9994			

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<b>PETROLEUM DISTILLATES, AROMATIC</b>					
	LEMON	0.9755	1	21.00	A
	LETTUCE, HEAD	12.4017	6	60.80	A
	N-GRNHS PLANTS IN CONTAINERS	0.1418	1	0.06	A
	N-GRNHS TRANSPLANTS	0.0490		250.00	S
	N-OUTDR FLOWER	3.1342	1	0.25	A
	N-OUTDR PLANTS IN CONTAINERS	1.0572	2	0.75	A
	ORANGE	71.6293	2	86.00	A
	PEACH	5.5743	1	5.00	A
	PUBLIC HEALTH	2,665.7657			
	RESEARCH COMMODITY	0.7230			
	RIGHTS OF WAY	3.2919			
	STRAWBERRY	36.8044	3	120.50	A
	STRUCTURAL PEST CONTROL	2,196.9418			
	VERTEBRATE CONTROL	0.0076			
	WALNUT	42.3031	3	111.75	A
	Chemical Total	5,505.6427	35		
<b>PETROLEUM DISTILLATES, REFINED</b>					
	ALMOND	73,974.8067	63	2,035.00	A
	APPLE	1,323.7973	20	86.50	A
	APRICOT	4,366.3614	19	204.15	A
	BLACKBERRY	10.5964	3	3.00	A
	CAULIFLOWER	16.1849	1	4.60	A
	CELERY	480.1755	3	49.50	A
	CHERRY	5,644.6573	19	216.35	A
	CITRUS	0.8904	1	1.00	A
	CUCUMBER	1,221.8734	38	101.41	A
	EGGPLANT	858.5060	7	122.00	A
	ENDIVE (ESCAROLE)	39.7586	3	11.20	A
	GRAPE	15,556.3063	63	3,019.70	A
	GRAPE, WINE	327,386.5251	1,983	52,951.24	A
	HERB, SPICE	38.9281	7	99,000.00	S
	LANDSCAPE MAINTENANCE	9,561.0847			
	LETTUCE, HEAD	229.2437	22	166.85	A
	LETTUCE, LEAF	367.6965	41	281.88	A
	MELON	0.6048	4	0.44	A
	N-GRNHS FLOWER	3,057.6427	125	312.60	A
		407.8051	24	1,099,540.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,465.4478			
	N-GRNHS PLANTS IN CONTAINERS	2,946.1554	226	221.67	A
		1,612.7927	629	9,957,717.00	S
		0.0556	1	100.00	U
	TOTAL POUNDS ON THIS COMMODITY	4,559.0037			
	N-GRNHS TRANSPLANTS	388.3478	213	584,490.00	S
		43.1680	12	4.60	A
	TOTAL POUNDS ON THIS COMMODITY	431.5158			
	N-OUTDR FLOWER	1,254.4562	79	151.72	A
		90.9598	19	556,030.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,345.4160			
	N-OUTDR PLANTS IN CONTAINERS	22,167.8402	409	1,004.00	A
		900.9955	159	2,596,366.00	S
		72.1669	29	39,090.00	U
	TOTAL POUNDS ON THIS COMMODITY	23,141.0026			
	N-OUTDR TRANSPLANTS	292.3092	42	129.35	A
		27.9830	13	168,100.00	S
	TOTAL POUNDS ON THIS COMMODITY	320.2922			
	NECTARINE	123,582.2321	311	3,295.97	A
	OLIVE	331.4394	16	228.12	A
		111.1836	19	200.52	U
	TOTAL POUNDS ON THIS COMMODITY	442.6230			
	ORANGE	982.0496	1	37.00	A
	PEACH	155,338.6203	356	4,555.11	A
	PEAR	678.5668	3	22.00	A
	PEPPER, FRUITING	11,797.7564	66	1,804.50	A
	PEPPER, SPICE	860.2653	12	239.00	A
	PLUM	139,774.2016	289	3,317.25	A
	PRUNE	108,073.2881	67	4,085.00	A



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<b>PETROLEUM DISTILLATES, REFINED</b>					
	PUBLIC HEALTH	3.5490			
	RESEARCH COMMODITY	66.1063			
	SQUASH	28.1477	1	4.00	A
	STRAWBERRY	4,795.6706	5	344.00	A
	STRUCTURAL PEST CONTROL	596.7067			
	TOMATO	11.3251	6	4.85	A
	UNKNOWN	138.4868	7	39.25	A
	WALNUT	1,583.3102	3	74.00	A
	WATERMELON	802.2105	3	114.00	A
	Chemical Total	1,023,895.7913	5,442		
<b>PETROLEUM HYDROCARBONS</b>					
	CANTALOUPE	6.4874	1	38.00	A
	LANDSCAPE MAINTENANCE	11.9842			
	N-OUTDR PLANTS IN CONTAINERS	0.5510	2	2.29	A
	ORANGE	6.4874	1	18.98	A
	PEAR	570.0119	1	18.00	A
	STRAWBERRY	0.8785	3	10.00	A
	STRUCTURAL PEST CONTROL	38.1321			
	TANGERINE	7.0323	1	18.94	A
	WALNUT	0.6487	1	1.50	A
	Chemical Total	642.2135	10		
<b>PETROLEUM NAPHTHENIC OILS</b>					
	BROCCOLI	0.3464	1	9.60	A
	COTTON	5.5736	2	204.00	A
	GARLIC	11.6630	9	1,158.00	A
	GRAPE	0.6014	3	8.00	A
	GRAPE, WINE	0.0722	1	6.00	A
	TOMATO, PROCESSING	2.7757	2	306.00	A
	WHEAT	2.0382	5	784.00	A
	WHEAT (FORAGE - FODDER)	0.7698	1	8.00	A
	Chemical Total	23.8403	24		
<b>PETROLEUM OIL, PARAFFIN BASED</b>					
	ALFALFA	26,291.1040	823	45,942.94	A
	ALMOND	73,902.7830	1,549	75,210.04	A
	APPLE	836.1487	34	1,116.64	A
	APRICOT	84.9119	15	149.50	A
	ASPARAGUS	31.1126	1	18.00	A
	AVOCADO	5.1112	14	40.00	A
	BARLEY	8.2899	2	54.00	A
	BEAN, DRIED	30.3866	1	20.00	A
	BEAN, SUCCULENT	92.0845	7	167.00	A
	BEAN, UNSPECIFIED	50.6097	7	58.50	A
	BERMUDAGRASS	251.3721	5	412.00	A
	BLUEBERRY	23.6921	4	45.00	A
	BOK CHOY	6.0773	1	10.00	A
	BROCCOLI	758.4795	35	1,235.40	A
	BRUSSELS SPROUT	32.3571	6	24.92	A
	CABBAGE	4.3724	3	60.20	A
	CANOLA (RAPE)	12.1547	2	70.00	A
	CANTALOUPE	297.8494	5	640.00	A
	CARROT	1,065.9936	26	1,379.00	A
	CAULIFLOWER	257.7083	12	633.00	A
	CELERY	71.1890	13	84.00	A
	CHERRY	1,680.8703	154	2,951.73	A
	CHESTNUT	2.9555	7	24.00	A
	CHINESE CABBAGE (NAPPA)	24.3093	2	40.00	A
	CITRUS	1.8042	1	65.00	A
	CORN (FORAGE - FODDER)	1,259.7091	97	4,148.86	A
	CORN, HUMAN CONSUMPTION	4,480.5732	112	4,563.70	A
	COTTON	73,961.2778	2,242	177,628.15	A
	CUCUMBER	89.2117	2	51.00	A
	DITCH BANK	7.5967	1	10.00	A

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<b>PETROLEUM OIL, PARAFFIN BASED</b>					
	EGGPLANT	5.0138	2	33.00	A
	FORAGE HAY/SILAGE	185.9138	7	415.00	A
	GAI LON	24.1987	1	12.00	A
	GARLIC	211.7366	4	294.00	A
	GRAPE	17,182.0432	438	15,871.93	A
	GRAPE, WINE	1,483.0416	133	4,738.22	A
	GRAPEFRUIT	169.9434	21	280.60	A
	KALE	15.1414	4	8.75	A
	KIWI	371.9468	24	202.22	A
	LANDSCAPE MAINTENANCE	406.4858			
		1.4044	1	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	407.8902			
	LEMON	55.6226	20	549.64	A
	LETTUCE, HEAD	75.9665	6	116.50	A
	LETTUCE, LEAF	186.8377	15	582.00	A
	MELON	58.8639	2	162.00	A
	N-GRNHS FLOWER	2.1607	8	4.00	A
		0.0695		90.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.2302			
	N-GRNHS PLANTS IN CONTAINERS	3.6271	5	21,800.00	S
	N-OUTDR PLANTS IN CONTAINERS	17.9954	5	8.07	A
	NECTARINE	1,235.0234	664	7,775.12	A
	OAT	26.4369	10	180.00	A
	OAT (FORAGE - FODDER)	113.1681	3	317.00	A
	OLIVE	574.1871	66	2,601.69	A
	ONION, DRY	528.3014	14	1,175.00	A
	ORANGE	3,809.0867	584	9,689.30	A
	PASTURELAND	29.7686	4	176.30	A
	PEACH	5,021.7064	794	9,214.51	A
	PEAR	5.1849	1	14.00	U
		1.8534	1	0.50	A
	TOTAL POUNDS ON THIS COMMODITY	7.0383			
	PEAS	0.8988	1	1.00	A
	PECAN	13.6849	2	100.00	A
	PEPPER, FRUITING	29.7932	7	135.00	A
	PERSIMMON	0.3445	1	8.00	A
	PISTACHIO	2,032.6669	174	8,023.79	A
	PLUM	2,624.1615	590	8,003.68	A
	POMEGRANATE	1.8793	2	10.00	A
	POTATO	938.8262	42	2,397.00	A
	PRUNE	4,544.5260	145	6,227.24	A
	PUBLIC HEALTH	91.1598			
	PUMPKIN	1.7624	1	4.60	A
	RANGELAND	254.3263	9	340.00	A
	REGULATORY PEST CONTROL	2,245.5965			
		971.3378		571.55	A
		0.0054		294.42	S
	TOTAL POUNDS ON THIS COMMODITY	3,216.9397			
	RESEARCH COMMODITY	0.0475			
	RICE	181,324.0105	1,791	127,881.10	A
	RIGHTS OF WAY	9,706.6464			
		27.1200	1	35.70	A
	TOTAL POUNDS ON THIS COMMODITY	9,733.7664			
	RYEGRASS	249.1701	3	164.00	A
	SAFFLOWER	9.6029	3	207.00	A
	SOIL FUMIGATION/PREPLANT	308.4291	3	192.80	A
	SQUASH	35.3285	2	75.00	A
	SQUASH, SUMMER	10.6353	2	40.00	A
	STONE FRUIT	40.5357	1	10.00	A
	STRAWBERRY	43.9519	3	215.00	A
	STRUCTURAL PEST CONTROL	382.0268			
	SUGARBEET	1,727.8460	40	2,055.30	A
	SUGARCANE	13.8278	1	12.00	A
	SUNFLOWER	126.2867	5	231.10	A
	TANGELO	8.5339	5	106.00	A
	TANGERINE	23.8595	10	83.00	A
	TOMATO	209.3637	4	733.10	A
	TOMATO, PROCESSING	432.5842	33	2,689.10	A

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<b>PETROLEUM OIL, PARAFFIN BASED</b>					
	TURNIP	8.6226	2	20.00	A
	UNCULTIVATED AG	369.5094	37	2,230.80	A
	UNCULTIVATED NON-AG	173.9331	19	281.50	A
	UNKNOWN	264.4567	1	153.00	A
	WALNUT	6,054.5005	656	18,621.60	A
	WATER AREA	233.5932	1	164.50	A
	WATERMELON	199.5199	6	255.00	A
	WHEAT	545.5031	39	1,741.80	A
	WHEAT (FORAGE - FODDER)	142.4421	7	379.80	A
	Chemical Total	433,847.6818	11,669		
<b>PETROLEUM OIL, UNCLASSIFIED</b>					
	ALFALFA	112.2329	2	105.00	A
	ALMOND	6,214,811.7504	3,505	283,534.81	A
		177.9621		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	6,214,989.7125			
	APPLE	277,811.6759	593	11,501.23	A
		7.0086	2	12.00	U
	TOTAL POUNDS ON THIS COMMODITY	277,818.6845			
	APRICOT	64,105.9202	171	2,562.41	A
		6.9389	1	30.00	U
		1.7347	1	1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	64,114.5938			
	AVOCADO	449,116.3629	1,038	22,177.13	A
		70.6950	1	460.00	U
	TOTAL POUNDS ON THIS COMMODITY	449,187.0579			
	BEAN, SUCCULENT	173.5606	3	97.00	A
	BLACKBERRY	17.8929	1	1.50	A
	BLUEBERRY	22.3661	2	4.50	A
	CABBAGE	10.0647	2	9.50	A
	CELERY	166.9998	1	14.00	A
	CHERRY	97,444.8154	218	3,713.72	A
	CHRISTMAS TREE	71.5346	1	17.50	A
	CITRUS	20,230.7104	54	590.13	A
	CORN (FORAGE - FODDER)	131.2142	2	110.00	A
	COTTON	9,385.7102	249	12,341.41	A
	CUCUMBER	202.7855	17	17.00	A
	EGGPLANT	89.4642	1	10.00	A
	FIG	10.6135	1	0.50	A
	GRAPE	70,804.2051	221	9,398.40	A
	GRAPE, WINE	96,101.0600	274	18,197.07	A
	GRAPEFRUIT	13,078.9443	35	496.86	A
	KIWI	23,759.4536	47	903.10	A
	LANDSCAPE MAINTENANCE	53,154.2432			
	LEMON	1,669,258.0510	1,490	31,606.78	A
	LIME	1,105.5361	4	12.50	A
	MELON	0.6628	1	3.00	A
	N-GRNHS FLOWER	160.7783	10	15.00	A
		53.1507	11	690,090.00	S
	TOTAL POUNDS ON THIS COMMODITY	213.9290			
	N-GRNHS PLANTS IN CONTAINERS	1,078.8758	159	99.97	A
		144.1153	12	134,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,222.9911			
	N-OUTDR FLOWER	658.3492	20	44.44	A
		79.5815	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	737.9307			
	N-OUTDR PLANTS IN CONTAINERS	62,008.6101	1,373	6,469.27	A
		52.2115	13	75,420.00	S
		2.2665	5	13,472.00	U
	TOTAL POUNDS ON THIS COMMODITY	62,063.0881			
	N-OUTDR TRANSPLANTS	3,017.8949	34	291.95	A
	NECTARINE	773,840.9260	1,770	23,438.94	A
		10.4084	1	50.00	U
	TOTAL POUNDS ON THIS COMMODITY	773,851.3344			
	OLIVE	29,803.1253	42	1,192.00	A

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>PETROLEUM OIL, UNCLASSIFIED</b>					
	ORANGE	2,256,401.7158	3,015	89,495.98	A
		397.7045	5	722.40	U
	TOTAL POUNDS ON THIS COMMODITY	2,256,799.4203			
	PEACH	1,078,333.9301	2,337	34,937.71	A
		24.3558	2	127.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,078,358.2859			
	PEAR	702,267.6111	982	27,150.12	A
		6.9389	1	20.00	U
	TOTAL POUNDS ON THIS COMMODITY	702,274.5500			
	PEPPER, FRUITING	3,044.3600	18	216.00	A
	PISTACHIO	905,120.6151	200	22,439.39	A
	PLUM	533,162.3959	1,155	15,296.99	A
		0.2035	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	533,162.5994			
	POMEGRANATE	282.3470	1	5.00	A
	PRUNE	360,503.8788	424	20,003.94	A
	PUBLIC HEALTH	527.0838			
	QUINCE	11.8060	4	1.32	A
	RASPBERRY	1,387.8880	14	124.70	A
	REGULATORY PEST CONTROL	142.2473			
	RIGHTS OF WAY	147.3054			
	SQUASH, WINTER	212.1348	3	21.00	A
	STONE FRUIT	83.5546	2	6.50	A
	STRAWBERRY	3,375.3026	29	894.00	A
	STRUCTURAL PEST CONTROL	2,381.6797			
	SUGARBEET	115.1106	2	193.00	A
	TANGELO	50,631.6700	93	2,247.64	A
	TANGERINE	23,568.6471	94	2,564.82	A
	TOMATO	29.0763	13	13.00	A
	TOMATO, PROCESSING	118.8383	2	46.70	A
	WALNUT	72,546.4242	251	8,938.24	A
	Chemical Total	15,927,177.2885	20,037		
<b>PHENMEDIPHAM</b>					
	BEET	33.7590	9	54.47	A
	N-GRNHS PLANTS IN CONTAINERS	0.0409	1	0.25	A
	RESEARCH COMMODITY	0.2960			
	SPINACH	700.3961	34	1,758.00	A
	SUGARBEET	3,746.2268	526	35,937.70	A
	Chemical Total	4,480.7188	570		
<b>PHENOL</b>					
	ALMOND	3.5278	2	23.00	A
	GRAPE, WINE	4.5155	1	118.18	A
	RICE	0.0142	1	150.00	A
	TOMATO, PROCESSING	1.0394	1	11.00	A
	WALNUT	0.3830	1	8.00	A
	Chemical Total	9.4799	6		
<b>PHENOTHIN</b>					
	ANIMAL PREMISE	0.1094		38.00	U
		0.0492		15.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.1586			
	LANDSCAPE MAINTENANCE	2.3970			
	N-GRNHS PLANTS IN CONTAINERS	0.0004	2	13,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.0016	1	9,000.00	S
	PUBLIC HEALTH	297.9793			
	REGULATORY PEST CONTROL	0.2380			
	RIGHTS OF WAY	0.2463			
	STRUCTURAL PEST CONTROL	117.2898			
	Chemical Total	418.3110	3		

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<b>PHENOTHRLIN, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	0.0016			
	N-GRNHS PLANTS IN CONTAINERS	0.0000	1	10,000.00	S
	STRUCTURAL PEST CONTROL	0.0324			
	Chemical Total	0.0340	1		
<b>PHENYLETHYL PROPIONATE</b>					
	GRAPE, WINE	8.0100	1	15.00	A
	LANDSCAPE MAINTENANCE	0.0072			
	PUBLIC HEALTH	0.0001			
	STRUCTURAL PEST CONTROL	0.4054			
	Chemical Total	8.4227	1		
<b>PHENYLMERCURIC ACETATE</b>					
	STRUCTURAL PEST CONTROL	0.4000			
	Chemical Total	0.4000			
<b>ORTHO-PHENYLPHENOL</b>					
	ANIMAL PREMISE	1,594.2596		352.00	U
		414.6708	1	228.00	A
		161.5570		1,470,861.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,170.4874			
	FUMIGATION, OTHER	13.6613			
	HOUSEHOLD	8.6293		8.00	U
	LANDSCAPE MAINTENANCE	19,400.5910			
	N-GRNHS PLANTS IN CONTAINERS	1.8478	1	22,680.00	S
	POULTRY	31.6649		110.00	U
		0.4045		10.00	A
	TOTAL POUNDS ON THIS COMMODITY	32.0694			
	RIGHTS OF WAY	7.8435			
	STRUCTURAL PEST CONTROL	94.2578			
	VERTEBRATE CONTROL	10.2389			
	Chemical Total	21,739.6264	2		
<b>ORTHO-PHENYLPHENOL, POTASSIUM SALT</b>					
	FUMIGATION, OTHER	4.5859			
	LANDSCAPE MAINTENANCE	2.2930			
	STRUCTURAL PEST CONTROL	6.8789			
	Chemical Total	13.7578			
<b>ORTHO-PHENYLPHENOL, SODIUM SALT</b>					
	ANIMAL PREMISE	4.0551		3.00	U
	CITRUS	1,964.4733		45,483.00	T
		167.5202		189,750.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,131.9935			
	COMMODITY FUMIGATION	16.8822			
	FUMIGATION, OTHER	11.1515			
	LANDSCAPE MAINTENANCE	73.3599			
	LEMON	602.9624		19,591.00	T
	ORANGE	1,930.8645		272,469.00	T
		7.6850		9,954.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,938.5495			
	PEAR	132.6459		303.00	T
	PEPPER, FRUITING	238.7626		20,873.00	T
	STRUCTURAL PEST CONTROL	555.0001			
	TOMATO	192.9395		11,609.00	T
	Chemical Total	5,898.3022			
<b>PHORATE</b>					
	BEAN, DRIED	58.0000	2	29.00	A
	CORN (FORAGE - FODDER)	5,246.0287	46	5,151.10	A
	CORN, HUMAN CONSUMPTION	4,782.7725	114	4,312.70	A
	COTTON	29,000.6421	510	26,263.40	A

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<b>PHORATE</b>					
	DANDELION GREEN	560.0000	2	220.00	A
	N-OUTDR TRANSPLANTS	3,280.0800	201	443.10	A
	POTATO	12,118.9565	79	5,636.60	A
	RESEARCH COMMODITY	0.3981			
	SUGARBEET	5,115.4332	79	5,431.70	A
	Chemical Total	60,162.3111	1,033		
<b>PHOSMET</b>					
	ALFALFA	2,736.5660	76	4,163.35	A
	ALMOND	279,008.9575	781	79,905.51	A
	APPLE	51,989.6124	787	16,161.72	A
		63.0000		18.00	T
		0.2573	2	17.00	U
	TOTAL POUNDS ON THIS COMMODITY	52,052.8697			
	APRICOT	2,218.4700	64	957.60	A
	CHERRY	56.1050	5	43.10	A
	CHRISTMAS TREE	10.5000	1	10.00	A
	CITRUS	0.7000	1	1.00	A
	COMMODITY FUMIGATION	168.0000			
	GRAPE	3,317.8040	65	2,452.68	A
	GRAPE, WINE	2,434.3360	47	1,712.57	A
	KIWI	1.4000	1	1.40	A
	LANDSCAPE MAINTENANCE	9.7875			
		7.0000	2	56.00	A
	TOTAL POUNDS ON THIS COMMODITY	16.7875			
	N-GRNHS PLANTS IN CONTAINERS	0.7000	1	1,500.00	S
	N-OUTDR FLOWER	15.0500	3	19.00	A
	N-OUTDR PLANTS IN CONTAINERS	134.7250	16	101.25	A
	NECTARINE	55,075.2900	1,790	23,307.85	A
	PEACH	62,347.3345	1,840	24,775.71	A
		0.6388	2	28.00	U
	TOTAL POUNDS ON THIS COMMODITY	62,347.9733			
	PEAR	22,487.7695	205	5,217.31	A
		0.5180	1	20.00	U
	TOTAL POUNDS ON THIS COMMODITY	22,488.2875			
	PISTACHIO	111,366.2410	183	29,197.62	A
	PLUM	28,180.8156	721	10,783.20	A
	PRUNE	466.2000	8	166.50	A
	RESEARCH COMMODITY	54.6000			
	WALNUT	35,935.1050	427	10,809.65	A
	Chemical Total	658,087.4831	7,029		
<b>PHOSPHINE</b>					
	ALMOND	132.6540		3,762,554.00	C
		119.8120		31,285.35	T
		45.4585		8,870,643.90	P
		14.0479		543,136.00	U
		9.8748		846.03	K
		0.4600		230.00	A
	TOTAL POUNDS ON THIS COMMODITY	322.3072			
	COMMODITY FUMIGATION	189.5962			
	CORN, HUMAN CONSUMPTION	1.5680		6,076.00	K
		0.2308		246,000.00	C
	TOTAL POUNDS ON THIS COMMODITY	1.7988			
	DRIED FRUIT	107.7800		2,559,146.00	C
		32.5200		4,020.00	T
		0.0560		1,280.00	U
	TOTAL POUNDS ON THIS COMMODITY	140.3560			
	FIG	12.5000		284,093.00	C
	FUMIGATION, OTHER	46.7433			
	GRAPE	14.2800		729,600.00	C
		1.3600		69,120.00	S
	TOTAL POUNDS ON THIS COMMODITY	15.6400			
	LANDSCAPE MAINTENANCE	6.0000			

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<b>PHOSPHINE</b>					
	PISTACHIO	240.2067		2,892.76	K
		100.9264		3,191,884.00	C
	TOTAL POUNDS ON THIS COMMODITY	341.1331			
	RICE	2.5600		58,000.00	S
	RICE, WILD	0.4400		12,500.00	C
	RIGHTS OF WAY	0.8400			
	STORAGE AREA/BOX	5.4400		1,196.80	T
	STRUCTURAL PEST CONTROL	376.7519			
	TOMATO	26.4000		7,411.43	T
		3.0000		79,500.00	C
	TOTAL POUNDS ON THIS COMMODITY	29.4000			
	TOMATO, PROCESSING	23.0000		74,312.34	T
	WALNUT	133.2800		44,800.00	U
		15.6200		737,233.00	C
		0.3536		115.60	A
	TOTAL POUNDS ON THIS COMMODITY	149.2536			
	Chemical Total	1,663.7601			
<b>PHOSPHORIC ACID</b>					
	ALFALFA	5,787.4792	3,822	247,324.31	A
	ALMOND	22,557.6276	3,658	238,652.99	A
		3.0288		36.00	T
		1.2620		18.00	U
	TOTAL POUNDS ON THIS COMMODITY	22,561.9184			
	ANIMAL PREMISE	676.2879		2,248.00	U
		0.6472		80.00	A
	TOTAL POUNDS ON THIS COMMODITY	676.9351			
	APPLE	3,041.5494	448	15,929.15	A
	APRICOT	161.4902	87	1,667.29	A
	ARRUGULA	0.0157	1	1.50	A
	ARTICHOKE, GLOBE	106.9446	38	479.68	A
	ASPARAGUS	208.0372	156	7,477.14	A
	AVOCADO	17.3891	248	2,109.80	A
	BARLEY	27.2429	9	799.20	A
	BARLEY (FORAGE - FODDER)	2.5981	1	77.00	A
	BEAN, DRIED	539.4849	319	18,809.63	A
	BEAN, SUCCULENT	392.5234	267	10,642.65	A
	BEAN, UNSPECIFIED	76.0691	68	2,039.55	A
	BEEF	1.0778	4	7.50	A
	BERMUDAGRASS	3.2930	4	426.00	A
	BLACKBERRY	11.4685	45	377.82	A
	BLUEBERRY	301.5501	50	2,712.63	A
	BOK CHOY	40.4282	235	447.00	A
	BROCCOLI	480.5788	2,802	35,177.29	A
		0.0799	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	480.6587			
	BRUSSELS SPROUT	7.4743	82	548.06	A
	BUILDINGS/NON-AG OUTDOOR	0.0170		1.00	A
	CABBAGE	122.0083	445	3,628.67	A
	CANOLA (RAPE)	9.2458	5	334.00	A
	CANTALOUPE	231.0493	112	9,146.50	A
	CARROT	91.4717	123	3,673.81	A
	CAULIFLOWER	205.7401	880	8,741.41	A
	CELERIAC	0.0347	1	5.00	A
	CELERY	283.8320	1,402	11,356.39	A
	CHERRY	1,629.4683	478	11,915.35	A
	CHESTNUT	0.2943	4	32.50	A
	CHICORY	13.5495	22	238.00	A
	CHINESE CABBAGE (NAPPA)	19.1112	409	1,300.01	A
	CHIVE	0.0589	17	16.50	A
	CHRISTMAS TREE	0.3175	1	14.00	A
	CILANTRO	1.1675	4	100.60	A
	CITRUS	11.8801	18	204.80	A
	COLE CROP	0.0347	1	5.00	A
	COLLARD	0.3958	2	25.80	A
	CORN (FORAGE - FODDER)	1,618.0887	888	42,231.75	A
	CORN, HUMAN CONSUMPTION	2,347.9492	941	36,197.31	A

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<b>PHOSPHORIC ACID</b>					
	COTTON	22,377.7639	6,443	534,343.82	A
	CUCUMBER	19.2405	60	1,769.75	A
	DATE	0.2197	1	80.00	A
	DITCH BANK	1.3436	1	80.00	A
	EGGPLANT	0.9568	3	40.00	A
	ENDIVE (ESCAROLE)	8.6002	69	284.60	A
	FENNEL	0.9231	22	169.50	A
	FIG	6.7398	19	1,900.00	A
	FORAGE HAY/SILAGE	43.3058	10	623.00	A
	FUMIGATION, OTHER	18.3417			
	GARLIC	284.4860	67	8,017.10	A
	GRAPE	6,073.3442	2,194	93,552.29	A
	GRAPE, WINE	3,531.4597	2,647	104,483.66	A
	GRAPEFRUIT	3.8608	12	102.70	A
	HERB, SPICE	3.2170	100	214.55	A
	KALE	15.1470	25	119.88	A
	KIWI	21.3676	78	735.50	A
	KOHLRABI	0.0092	1	2.00	A
	LANDSCAPE MAINTENANCE	365.0061			
		0.0280	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	365.0341			
	LEMON	1,774.5535		136,950.00	T
		352.7754	141	4,874.70	A
		133.8370		5,230.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,261.1659			
	LETTUCE, HEAD	1,344.4058	6,049	81,891.22	A
	LETTUCE, LEAF	1,053.8597	4,400	41,528.46	A
	LIME	0.0480	1	7.00	A
	LIVESTOCK	24.1823		504.00	U
	MELON	92.1664	74	5,975.80	A
	MINT	0.4011	4	7.00	A
	MUSTARD	0.6943	45	72.96	A
	N-GRNHS FLOWER	21.6382	546	1,590.12	A
		18.7504	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	40.3886			
	N-GRNHS PLANTS IN CONTAINERS	16.4440	700	1,742.35	A
		1.7643	243	5,930,801.82	S
		0.0079	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	18.2162			
	N-GRNHS TRANSPLANTS	0.5318	7	960,000.00	S
		0.2559	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.7877			
	N-OUTDR FLOWER	63.3349	855	4,358.12	A
		0.1781	24	145,460.00	S
		0.1732	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	63.6862			
	N-OUTDR PLANTS IN CONTAINERS	260.4855	1,239	3,486.59	A
		3.0530	280	15,625,544.50	S
		2.9122	4	670,100.00	U
	TOTAL POUNDS ON THIS COMMODITY	266.4507			
	N-OUTDR TRANSPLANTS	60.1802	40	644.90	A
		11.4559	259	28,614,935.00	S
		0.1924	1	180,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	71.8285			
	NECTARINE	1,308.8860	1,672	25,526.42	A
	OAT	5.9077	5	182.00	A
	OAT (FORAGE - FODDER)	80.5202	43	2,380.00	A
	OLIVE	63.5893	50	1,090.70	A
	ONION, DRY	426.8032	291	13,847.08	A
	ONION, GREEN	166.2203	140	1,223.20	A
	ORANGE	3,262.9492	1,406	38,980.55	A
	PARSLEY	33.0178	20	572.80	A
	PASTURELAND	10.6154	10	307.00	A
	PEACH	1,827.6489	2,048	29,307.59	A
	PEAR	360.2579	146	4,339.16	A
	PEAS	2.3608	23	233.95	A
	PECAN	15.7219	6	90.00	A



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<b>PHOSPHORIC ACID</b>					
	PEPPER, FRUITING	239.7440	286	6,017.75	A
	PEPPER, SPICE	41.0366	19	463.50	A
	PERSIMMON	0.2745	8	60.50	A
	PISTACHIO	3,555.2953	417	35,838.96	A
	PLUM	934.0159	870	12,312.17	A
	POMEGRANATE	164.2491	17	535.95	A
	POTATO	72.4557	160	5,732.95	A
	POULTRY	44.3681		2,357.00	U
	PRUNE	319.5016	128	6,214.14	A
	PUMPKIN	22.4141	34	942.09	A
	RADISH	4.5617	29	37.50	A
	RANGELAND	29.2606	6	653.10	A
	RAPPINI	21.2198	59	2,506.90	A
	RASPBERRY	12.7484	146	2,122.19	A
	REGULATORY PEST CONTROL	1.7923			
	RESEARCH COMMODITY	2.6082	9	98.75	A
		0.9492			
	TOTAL POUNDS ON THIS COMMODITY	3.5574			
	RICE	3,493.4206	1,461	106,494.41	A
	RICE, WILD	27.2904	3	575.00	A
	RIGHTS OF WAY	2,540.7865			
		1.9197	2	13.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,542.7062			
	RYEGRASS	24.9078	3	164.00	A
	SAFFLOWER	39.5452	7	1,825.40	A
	SAGE	0.0347	8	12.00	A
	SOIL FUMIGATION/PREPLANT	164.0508	73	5,444.40	A
	SORGHUM (FORAGE - FODDER)	9.9454	5	327.00	A
	SORGHUM/MILO	8.8470	31	904.32	A
	SOYBEAN	15.8711	7	427.00	A
	SPINACH	141.3604	149	1,127.91	A
	SQUASH	41.8823	71	1,124.70	A
	SQUASH, SUMMER	2.9743	26	244.10	A
	SQUASH, WINTER	3.7228	6	167.00	A
	STRAWBERRY	3,061.3305	1,343	36,683.97	A
	STRUCTURAL PEST CONTROL	299.9848			
	SUDANGRASS	14.8879	19	667.00	A
	SUGARBEET	448.6507	426	32,478.90	A
	SUNFLOWER	20.7661	27	1,420.70	A
	SWEET POTATO	1.5164	4	98.00	A
	SWISS CHARD	0.0234	2	8.78	A
	TANGELO	55.1454	40	526.53	A
	TANGERINE	709.3349	213	16,104.52	A
	TARRAGON	0.0243	7	7.00	A
	TOMATILLO	0.3335	3	37.00	A
	TOMATO	273.8176	235	12,169.41	A
		0.0070	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	273.8246			
	TOMATO, PROCESSING	2,348.6042	1,007	87,045.11	A
	TURNIP	0.3302	26	26.50	A
	UNCULTIVATED AG	683.4815	319	16,799.93	A
	UNCULTIVATED NON-AG	47.8156	46	285.50	A
	UNKNOWN	5.3281	4	169.00	A
	VEGETABLES, LEAFY	2.8407	5	56.80	A
	VERTEBRATE CONTROL	139.5077			
		0.8464	3	43.50	A
	TOTAL POUNDS ON THIS COMMODITY	140.3541			
	WALNUT	5,181.0413	1,718	51,432.78	A
	WATERMELON	193.1492	110	4,373.70	A
	WHEAT	522.1873	258	21,239.84	A
	WHEAT (FORAGE - FODDER)	82.9839	63	2,814.50	A
Chemical Total		112,686.4759	61,143		

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<b>PHOSPHORUS</b>					
	LANDSCAPE MAINTENANCE	0.8125			
	VERTEBRATE CONTROL	0.4956			
	Chemical Total	1.3081			
<b>PICLORAM</b>					
	REGULATORY PEST CONTROL	8.6619			
		0.0362		0.65	A
	TOTAL POUNDS ON THIS COMMODITY	8.6981			
	RIGHTS OF WAY	0.0543			
	STRUCTURAL PEST CONTROL	4.3500			
	Chemical Total	13.1024			
<b>PINDONE</b>					
	STRUCTURAL PEST CONTROL	0.0034			
	Chemical Total	0.0034			
<b>BETA-PINENE POLYMER</b>					
	ALFALFA	35.1889	7	206.70	A
	ALMOND	5,169.2278	241	18,300.17	A
	APPLE	1.2606	1	5.00	A
	APRICOT	49.3302	5	192.00	A
	ASPARAGUS	136.0967	2	662.00	A
	BARLEY	18.1973	6	129.20	A
	BEAN, DRIED	5.0975	1	20.00	A
	BEAN, SUCCULENT	36.9977	4	216.00	A
	BOK CHOY	2.7953	13	15.00	A
	BROCCOLI	34.9696	15	245.40	A
	CABBAGE	38.0389	22	180.90	A
	CELERY	83.8067	46	492.25	A
	CHERRY	49.8968	8	101.50	A
	CHINESE CABBAGE (NAPPA)	9.4822	12	50.00	A
	COLLARD	36.4497	12	124.20	A
	CORN (FORAGE - FODDER)	278.1612	35	1,419.00	A
	CORN, HUMAN CONSUMPTION	417.0051	16	1,231.40	A
	GARLIC	12.8259	1	75.00	A
	GRAPE	1,156.3739	175	6,267.80	A
	GRAPE, WINE	4,469.7684	2,450	41,928.41	A
	KALE	4.8782	5	16.25	A
	LANDSCAPE MAINTENANCE	10.5041			
	LETTUCE, HEAD	545.6244	308	3,201.16	A
	LETTUCE, LEAF	480.9682	371	2,820.85	A
	MELON	4.1109	1	30.00	A
	MUSTARD	99.3816	26	366.33	A
	N-GRNHS FLOWER	0.2741	1	3.00	A
	N-GRNHS TRANSPLANTS	34.8309	37	143.83	A
	N-OUTDR PLANTS IN CONTAINERS	122.7684	87	526.11	A
	NECTARINE	108.9884	24	331.70	A
	OLIVE	14.9374	2	32.00	A
	ONION, DRY	503.9805	26	1,840.50	A
	ORANGE	156.9583	8	174.00	A
	PEACH	169.6679	22	453.36	A
	PEAR	134.3907	16	671.60	A
	PEPPER, FRUITING	68.8568	10	400.00	A
	PISTACHIO	52.5919	2	151.00	A
	PLUM	17.8302	6	59.00	A
	POTATO	18.9676	5	164.00	A
	PRUNE	90.3953	4	251.00	A
	SORGHUM/MILO	10.6334	2	46.10	A
	STRAWBERRY	637.1485	52	2,692.00	A
	TOMATO	68.5144	15	369.80	A
	TOMATO, PROCESSING	873.8821	67	4,822.80	A
	TURNIP	31.0782	15	115.75	A

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<b>BETA-PINENE POLYMER</b>					
	UNCULTIVATED AG	190.9809	22	1,179.90	A
	WALNUT	1,071.1535	58	2,840.50	A
	Chemical Total	17,565.2672	4,264		
<b>PINE OIL</b>					
	GRAPE, WINE	0.0568	1	8.00	A
	LANDSCAPE MAINTENANCE	2.9042			
	N-GRNHS FLOWER	0.0615	5	4.95	A
	N-GRNHS PLANTS IN CONTAINERS	0.5501	1	3,000.00	S
	STRUCTURAL PEST CONTROL	17.0278			
	Chemical Total	20.6004	7		
<b>PIPERALIN</b>					
	LANDSCAPE MAINTENANCE	7.8692			
	N-GRNHS FLOWER	1,281.3378	1,019	1,707.61	A
		685.5224	316	10,791,040.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,966.8602			
	N-GRNHS PLANTS IN CONTAINERS	60.3571	101	88.30	A
		29.2779	104	1,961,405.00	S
		0.9931	1	8,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	90.6281			
	N-GRNHS TRANSPLANTS	31.8966	68	46.78	A
		0.8050	3	8,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	32.7016			
	N-OUTDR FLOWER	224.8086	105	309.35	A
		1.1792	2	28,780.00	S
	TOTAL POUNDS ON THIS COMMODITY	225.9878			
	N-OUTDR PLANTS IN CONTAINERS	29.9720	35	50.50	A
		12.8480	22	873,380.00	S
	TOTAL POUNDS ON THIS COMMODITY	42.8200			
	N-OUTDR TRANSPLANTS	1.2475	3	1.78	A
	RESEARCH COMMODITY	0.2843	3	0.24	A
		0.0587			
	TOTAL POUNDS ON THIS COMMODITY	0.3430			
	SPINACH	2.9792	1	0.86	A
	UNCULTIVATED AG	0.7448		1.00	A
	Chemical Total	2,372.1814	1,783		
<b>PIPERONYL BUTOXIDE</b>					
	ANIMAL PREMISE	207.9756		147.00	U
		125.9422		357,381.60	S
		113.0904		160.66	A
	TOTAL POUNDS ON THIS COMMODITY	447.0082			
	APPLE	0.3102	1	2.00	A
	APRICOT	3.9525	3	5.90	A
	ARRUGULA	2.5360	7	11.59	A
	ARTICHOKE, GLOBE	0.4678	1	2.50	A
	BASIL, SWEET	31.4658	29	255.22	A
	BEAN, UNSPECIFIED	0.8528	3	2.75	A
	BEET	0.9776	1	3.50	A
	BOK CHOY	3.1088	11	19.81	A
	BROCCOLI	8.9608	1	11.20	A
	BUILDINGS/NON-AG OUTDOOR	2.4561	4	40.00	A
	CELERY	32.9798	5	74.00	A
	CHERIMOYA	0.0916	1	1.00	A
	CHERVIL	0.3415	7	12.00	A
	CHICORY	9.3887	1	18.50	A
	CHIVE	14.5336	19	180.25	A
	CILANTRO	11.7536	15	116.00	A
	CITRUS	9.9218	5	25.00	A
	COMMODITY FUMIGATION	38.6779			
	CORN (FORAGE - FODDER)	5.0750	1	20.00	A
	DILL	22.7635	24	142.00	A
	DRIED FRUIT	5.5978		515,200.00	C

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<b>PIPERONYL BUTOXIDE</b>					
	FOOD PROCESSING PLANT	70.9440		38,970.00	K
		40.0557		3,237,820.00	C
		3.8852		238.00	A
		0.0373		1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	114.9222			
	FUMIGATION, OTHER	275.0333			
	GRAPE	126.6764	8	266.00	A
	GRAPE, WINE	4.8418	8	64.94	A
	HERB, SPICE	0.3517	3	0.85	A
	INDUSTRIAL SITE	7.3757		8,851.00	C
		7.3641		89,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.7398			
	LANDSCAPE MAINTENANCE	566.5693			
	LEMON	983.9004	153	4,846.14	A
		133.4717	8	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,117.3721			
	LETTUCE, HEAD	194.3349	76	774.19	A
	LETTUCE, LEAF	534.1003	183	1,913.25	A
	LIVESTOCK	40.9037		2,259,200.00	C
	MELON	4.5891	5	11.25	A
	MINT	10.9034	25	128.74	A
	MUSTARD	0.4908	2	4.78	A
	N-GRNHS FLOWER	23.6584	60	212.73	A
		0.6878	5	242,860.00	S
	TOTAL POUNDS ON THIS COMMODITY	24.3462			
	N-GRNHS PLANTS IN CONTAINERS	21.1743	59	71.80	A
		4.3466	41	462,356.00	S
	TOTAL POUNDS ON THIS COMMODITY	25.5209			
	N-GRNHS TRANSPLANTS	4.8111	16	28.43	A
		0.3887	4	28,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.1998			
	N-OUTDR FLOWER	55.7208	38	138.05	A
		4.9089	10	588,060.00	S
	TOTAL POUNDS ON THIS COMMODITY	60.6297			
	N-OUTDR PLANTS IN CONTAINERS	468.1783	641	1,227.52	A
		1.5910	5	33,326.70	S
		0.0617	4	3,800.00	U
	TOTAL POUNDS ON THIS COMMODITY	469.8310			
	N-OUTDR TRANSPLANTS	65.2783	166	269.76	A
		0.4570	11	22,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	65.7353			
	NECTARINE	0.0609	1	0.25	A
	ONION, GREEN	30.2366	6	82.94	A
	ORANGE	49.5217	12	285.80	A
	PARSLEY	0.9266	7	5.33	A
	PEACH	3.0450	1	8.00	A
	PEPPER, FRUITING	56.6705	5	139.00	A
	POMEGRANATE	279.5047	28	5,828.01	A
	POTATO	12.1799	1	24.00	A
	PUBLIC HEALTH	16,475.9046			
	PUMPKIN	8.6478	2	17.00	A
	RADISH	7.3016	4	22.50	A
	RAPPINI	12.6699	1	26.00	A
	RASPBERRY	1.0288	1	1.70	A
	REGULATORY PEST CONTROL	89.4499			
	RESEARCH COMMODITY	1.7665			
		0.1905	1	0.25	A
		0.0100	2	5,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.9670			
	RIGHTS OF WAY	45.9973			
	SAGE	3.4625	8	49.25	A
	SPINACH	65.5428	33	318.14	A
	SQUASH	9.0820	5	21.00	A
	SQUASH, ZUCCHINI	1.0964	4	3.75	A

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<b>PIPERONYL BUTOXIDE</b>					
	STORAGE AREA/BOX	25.8071		5,618,515.00	C
		12.2293		8,896.80	K
		1.5812		100,000.00	S
		0.6325		1,500.00	T
	TOTAL POUNDS ON THIS COMMODITY	40.2501			
	STRAWBERRY	469.1202	24	1,031.00	A
	STRUCTURAL PEST CONTROL	19,959.5197			
	SWISS CHARD	0.1121	1	1.09	A
	TARRAGON	4.2917	10	40.00	A
		0.0005	1	14.00	S
	TOTAL POUNDS ON THIS COMMODITY	4.2922			
	TOMATO	2,672.5991	96	5,432.55	A
		7.2943	7	392,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,679.8934			
	UNKNOWN	18.4012	33	263.00	A
	VEGETABLES, LEAFY	0.3869	3	9.70	A
	VERTEBRATE CONTROL	10.3441			
	Chemical Total	44,646.9295	1,967		
<b>PIPERONYL BUTOXIDE, OTHER RELATED</b>					
	ANIMAL PREMISE	51.9939		147.00	U
		31.4856		357,381.60	S
		28.2588		159.66	A
	TOTAL POUNDS ON THIS COMMODITY	111.7383			
	APPLE	0.0775	1	2.00	A
	APRICOT	0.9881	3	5.90	A
	ARTICHOKES, GLOBE	0.1170	1	2.50	A
	BASIL, SWEET	0.0388	1	1.22	A
	BEAN, UNSPECIFIED	0.2132	3	2.75	A
	BEET	0.2444	1	3.50	A
	BOK CHOY	0.7772	11	19.81	A
	BROCCOLI	2.2402	1	11.20	A
	BUILDINGS/NON-AG OUTDOOR	0.6140	4	40.00	A
	CELERY	8.2449	5	74.00	A
	CHERIMOYA	0.0229	1	1.00	A
	CHICORY	2.3472	1	18.50	A
	CHIVE	0.0609	1	0.25	A
	CITRUS	2.4804	5	25.00	A
	COMMODITY FUMIGATION	9.6695			
	CORN (FORAGE - FODDER)	1.2687	1	20.00	A
	DILL	1.5210	3	2.00	A
	DRIED FRUIT	1.3994		515,200.00	C
	FOOD PROCESSING PLANT	17.7360		38,970.00	K
		10.0139		3,237,820.00	C
		0.9713		238.00	A
	TOTAL POUNDS ON THIS COMMODITY	28.7212			
	FUMIGATION, OTHER	68.7583			
	GRAPE	31.6691	8	266.00	A
	GRAPE, WINE	1.2104	8	64.94	A
	HERB, SPICE	0.0879	3	0.85	A
	INDUSTRIAL SITE	1.8439		8,851.00	C
		1.8400		88,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.6839			
	LANDSCAPE MAINTENANCE	125.3177			
	LEMON	245.9751	153	4,846.14	A
		33.3679	8	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	279.3430			
	LETTUCE, HEAD	48.5837	76	774.19	A
	LETTUCE, LEAF	133.5251	183	1,913.25	A
	LIVESTOCK	10.2259		2,259,200.00	C
	MELON	1.1473	5	11.25	A
	MINT	1.1164	16	28.74	A
	MUSTARD	0.1227	2	4.78	A
	N-GRNHS FLOWER	0.6718	3	11.50	A
		0.0100	3	217,880.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6818			

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<b>PIPERONYL BUTOXIDE, OTHER RELATED</b>					
	N-GRNHS PLANTS IN CONTAINERS	2.2343	27	42.67	A
		0.1890	13	199,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.4233			
	N-GRNHS TRANSPLANTS	1.1075	15	27.80	A
		0.0194	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.1269			
	N-OUTDR FLOWER	7.3709	15	79.05	A
		0.0175	6	381,150.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.3884			
	N-OUTDR PLANTS IN CONTAINERS	62.8407	371	804.24	A
		0.0154	4	3,800.00	U
		0.0063	1	9,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	62.8624			
	N-OUTDR TRANSPLANTS	15.8346	159	263.01	A
		0.1143	11	22,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	15.9489			
	NECTARINE	0.0152	1	0.25	A
	ONION, GREEN	7.5592	6	82.94	A
	ORANGE	12.3804	12	285.80	A
	PEACH	0.7612	1	8.00	A
	PEPPER, FRUITING	14.1676	5	139.00	A
	POMEGRANATE	69.8762	28	5,828.01	A
	POTATO	3.0450	1	24.00	A
	PUBLIC HEALTH	4,054.6413			
	PUMPKIN	2.1619	2	17.00	A
	RADISH	1.8254	4	22.50	A
	RAPPINI	3.1675	1	26.00	A
	REGULATORY PEST CONTROL	22.2772			
	RESEARCH COMMODITY	0.1014			
	RIGHTS OF WAY	11.4769			
	SAGE	0.0609	1	0.25	A
	SPINACH	16.3857	33	318.14	A
	SQUASH	2.2705	5	21.00	A
	SQUASH, ZUCCHINI	0.2741	4	3.75	A
	STORAGE AREA/BOX	6.4518		5,618,515.00	C
		3.0573		8,896.80	K
		0.3953		100,000.00	S
		0.1581		1,500.00	T
	TOTAL POUNDS ON THIS COMMODITY	10.0625			
	STRAWBERRY	117.2800	24	1,031.00	A
	STRUCTURAL PEST CONTROL	4,675.9031			
	SWISS CHARD	0.0280	1	1.09	A
	TOMATO	667.3877	95	5,427.55	A
		1.8236	7	392,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	669.2113			
	VEGETABLES, LEAFY	0.0967	3	9.70	A
	VERTEBRATE CONTROL	0.0271			
	Chemical Total	10,663.0642	1,368		
<b>PIRIMICARB</b>					
	RIGHTS OF WAY	0.2813			
	Chemical Total	0.2813			
<b>POLY-D-GLUCOSAMINE</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.0040	1	0.25	A
	Chemical Total	0.0040	1		
<b>POLYACRYLAMIDE, POLYETHYLENE GLYCOL MIXTURE</b>					
	ALFALFA	93.9647	170	9,745.84	A
	ALMOND	21.7371	31	2,096.31	A
	BARLEY	12.3363	32	1,518.00	A
	BEAN, SUCCULENT	3.9144	6	175.00	A
	BEAN, UNSPECIFIED	4.2430	6	190.00	A
	BERMUDAGRASS	3.5715	3	338.00	A
	CABBAGE	4.0787	16	167.00	A

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<b>POLYACRYLAMIDE, POLYETHYLENE GLYCOL MIXTURE</b>					
	CELERY	14.8380	10	125.60	A
	CITRUS	2.1429	1	40.00	A
	COLLARD	0.2715	1	12.00	A
	CORN (FORAGE - FODDER)	8.6793	27	1,388.40	A
	CORN, HUMAN CONSUMPTION	31.2883	185	5,857.76	A
	COTTON	402.2543	525	48,835.70	A
	CUCUMBER	0.1596	1	70.00	A
	FORAGE HAY/SILAGE	1.5446	10	353.00	A
	GARLIC	18.0589	9	1,229.00	A
	GRAPE	1.0355	4	172.00	A
	GRAPE, WINE	0.6499	2	250.00	A
	KALE	0.0429	1	2.00	A
	LETTUCE, LEAF	6.0415	34	281.40	A
	NECTARINE	0.2082	6	257.00	A
	OAT	9.7852	17	838.00	A
	OAT (FORAGE - FODDER)	1.3650	9	560.00	A
	ONION, DRY	4.0162	6	447.00	A
	ORANGE	2.1979	6	379.32	A
	PARSLEY	0.4944	3	14.26	A
	PEAR	2.5579	4	176.10	A
	PEPPER, FRUITING	4.9197	12	344.00	A
	PEPPER, SPICE	0.9215	3	41.00	A
	PISTACHIO	1.0759	5	189.00	A
	PLUM	0.2509	2	28.10	A
	POTATO	10.3910	39	2,300.00	A
	PRUNE	3.1550	1	5.00	A
	RICE	5.7260	17	864.30	A
	RIGHTS OF WAY	83.9411			
		0.8706	2	7.00	A
	TOTAL POUNDS ON THIS COMMODITY	84.8117			
	SAFFLOWER	0.9714	2	293.00	A
	SOIL FUMIGATION/PREPLANT	39.1229	91	1,915.40	A
	SORGHUM (FORAGE - FODDER)	1.1143	5	124.00	A
	SORGHUM/MILO	1.3227	7	187.50	A
	STRAWBERRY	9.1089	7	356.60	A
	SUDANGRASS	0.6407	3	140.50	A
	SUGARBEET	0.6250	4	280.00	A
	TOMATO, PROCESSING	8.7608	14	1,516.70	A
	UNCULTIVATED AG	12.8210	47	2,225.20	A
	UNCULTIVATED NON-AG	0.6572	2	135.00	A
	WALNUT	3.7359	6	322.00	A
	WHEAT	253.2133	222	18,013.30	A
	WHEAT (FORAGE - FODDER)	8.2686	35	1,699.00	A
	Chemical Total	1,103.0921	1,651		
<b>POLYACRYLAMIDE POLYMER</b>					
	ALFALFA	272.4319	591	38,701.21	A
	ALMOND	187.3119	163	9,605.70	A
	ASPARAGUS	4.9344	12	594.58	A
	BARLEY	42.1249	109	7,467.46	A
	BARLEY (FORAGE - FODDER)	6.7500	2	200.00	A
	BEAN, DRIED	12.7398	24	1,616.40	A
	BEAN, SUCCULENT	0.2700	1	8.00	A
	BERMUDAGRASS	1.7833	3	175.00	A
	BLUEBERRY	0.6995	1	69.00	A
	BROCCOLI	14.7027	27	657.39	A
	CABBAGE	4.7032	19	132.80	A
	CANTALOUPE	3.4906	3	214.20	A
	CARROT	1.9754	4	224.40	A
	CAULIFLOWER	13.7925	33	365.80	A
	CELERY	13.6601	79	678.55	A
	CHERRY	0.6124	5	210.50	A
	CORN (FORAGE - FODDER)	119.4088	187	14,089.69	A
	CORN, HUMAN CONSUMPTION	24.6820	171	5,011.90	A
	COTTON	2,422.4166	3,445	262,741.22	A
	FENNEL	0.1080	1	6.40	A
	FORAGE HAY/SILAGE	15.4541	17	986.00	A

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<b>POLYACRYLAMIDE POLYMER</b>					
	GARLIC	67.5276	42	5,634.40	A
	GRAPE	72.2771	35	1,081.42	A
	GRAPE, WINE	73.0887	402	5,067.36	A
	HORSERADISH	0.0920	2	113.00	A
	KALE	0.0540	1	2.00	A
	LANDSCAPE MAINTENANCE	5.1744			
	LETTUCE, HEAD	47.7825	74	1,129.80	A
	LETTUCE, LEAF	55.9249	99	1,089.13	A
	MELON	1.4743	1	152.00	A
	MINT	0.4898	7	436.00	A
	MUSTARD	4.0028	2	118.60	A
	N-GRNHS PLANTS IN CONTAINERS	0.0833	1	1.00	A
	N-OUTDR PLANTS IN CONTAINERS	3.7706	4	144.70	A
	NECTARINE	0.3018	1	14.00	A
	OAT	46.9413	62	2,475.79	A
	OAT (FORAGE - FODDER)	23.0547	58	2,596.70	A
	OLIVE	0.0383	3	5.89	A
	ONION, DRY	49.5644	93	4,839.25	A
	ORANGE	3.0284	7	216.00	A
	PARSLEY	0.4395	7	21.22	A
	PASTURELAND	5.4751	18	1,192.00	A
	PEACH	0.8191	2	24.00	A
	PEAR	1.2528	2	223.00	A
	PEAS	1.0463	1	15.50	A
	PEPPER, FRUITING	9.2779	11	263.90	A
	PEPPER, SPICE	1.9352	5	111.70	A
	PERSIMMON	0.2587	3	37.00	A
	PISTACHIO	6.9869	2	362.00	A
	PLUM	4.1814	7	53.00	A
	POTATO	14.8081	68	4,157.80	A
	PRUNE	0.7264	3	216.00	A
	RANGELAND	0.1013	1	3.00	A
	REGULATORY PEST CONTROL	0.1049			
	RICE	34.8920	23	1,584.50	A
	RIGHTS OF WAY	579.0633			
	RYE	0.2565	1	76.00	A
	RYEGRASS	0.7560	8	224.00	A
	SAFFLOWER	0.5296	3	111.00	A
	SOIL FUMIGATION/PREPLANT	24.5967	31	2,271.00	A
	SORGHUM (FORAGE - FODDER)	1.7243	1	80.00	A
	SORGHUM/MILO	1.6875	10	440.80	A
	SOYBEAN	0.1350	1	40.00	A
	SPINACH	1.0757	4	45.10	A
	STRAWBERRY	0.0422	1	12.50	A
	SUGARBEET	12.1045	17	1,405.00	A
	TANGERINE	0.2587	1	36.00	A
	TOMATO	6.4938	8	575.00	A
	TOMATO, PROCESSING	173.8534	285	25,515.30	A
	TURNIP	0.2700	2	20.00	A
	UNCULTIVATED AG	89.4312	256	9,765.85	A
	UNCULTIVATED NON-AG	34.6865	71	1,384.15	A
	WALNUT	6.1907	15	375.31	A
	WHEAT	613.3474	921	69,719.52	A
	WHEAT (FORAGE - FODDER)	40.3596	105	6,080.18	A
Chemical Total		5,287.8912	7,685		
<b>POLYACRYLIC POLYMER</b>					
	ALFALFA	89.2916	416	24,348.25	A
	ALMOND	160.1373	670	47,258.94	A
	APPLE	18.7180	29	643.44	A
	APRICOT	0.2514	6	119.00	A
	BEAN, DRIED	1.9974	8	710.00	A
	BLUEBERRY	5.5077	20	674.33	A
	CANOLA (RAPE)	0.5905	3	212.00	A
	CANTALOUPE	0.2958	2	113.00	A
	CARROT	3.3704	4	272.46	A
	CAULIFLOWER	6.1459	95	1,435.30	A



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<b>POLYACRYLIC POLYMER</b>					
	CELERY	5.4309	85	1,075.50	A
	CHERRY	35.7429	126	4,512.85	A
	CHESTNUT	0.0266	4	32.50	A
	CORN (FORAGE - FODDER)	37.8473	128	6,355.91	A
	CORN, HUMAN CONSUMPTION	0.9251	8	744.00	A
	COTTON	171.2848	987	75,745.56	A
	FORAGE HAY/SILAGE	0.0632	1	23.00	A
	GRAPE	14.8071	42	2,201.92	A
	GRAPE, WINE	4.0705	25	1,338.34	A
	KIWI	1.3401	69	539.50	A
	LANDSCAPE MAINTENANCE	0.9896			
	LEMON	14.7044	35	2,320.21	A
	LETTUCE, HEAD	12.3093	222	3,355.50	A
	LETTUCE, LEAF	0.2452	2	88.00	A
	MELON	0.1100	1	36.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0275	1	1.00	A
	N-OUTDR FLOWER	3.7135	107	626.34	A
	N-OUTDR PLANTS IN CONTAINERS	0.1735	2	22.00	A
	N-OUTDR TRANSPLANTS	1.0996	4	188.00	A
	NECTARINE	0.5032	5	59.00	A
	OAT	0.0275	1	10.00	A
	OAT (FORAGE - FODDER)	1.7532	14	504.00	A
	OLIVE	1.1095	13	222.30	A
	ONION, DRY	0.1100	1	24.00	A
	ORANGE	72.3192	311	12,115.78	A
	PASTURELAND	0.6735	8	245.00	A
	PEACH	21.1593	105	1,891.04	A
	PEAR	5.2643	10	282.96	A
	PISTACHIO	5.2541	20	1,071.50	A
	PLUM	20.5069	188	3,608.84	A
	POMEGRANATE	0.0809	1	157.00	A
	POTATO	2.1419	4	235.00	A
	PRUNE	6.3931	41	1,365.32	A
	RANGELAND	1.7318	1	73.00	A
	RICE	111.3364	287	18,541.00	A
	RICE, WILD	2.4697	3	575.00	A
	RIGHTS OF WAY	206.1296			
		0.1737	2	13.00	A
	TOTAL POUNDS ON THIS COMMODITY	206.3033			
	RYEGRASS	2.2541	3	164.00	A
	SAFFLOWER	2.8830	5	1,048.40	A
	SOIL FUMIGATION/PREPLANT	2.8528	13	2,251.80	A
	SQUASH	0.2941	3	107.00	A
	STRAWBERRY	0.0550	1	4.00	A
	STRUCTURAL PEST CONTROL	0.0137			
	SUGARBEET	3.7270	25	2,207.20	A
	SUNFLOWER	0.1506	1	55.00	A
	TANGELO	1.1325	4	168.78	A
	TANGERINE	42.5475	88	8,137.47	A
	TOMATO, PROCESSING	1.1084	8	599.40	A
	UNCULTIVATED AG	35.3806	104	4,776.83	A
	UNCULTIVATED NON-AG	1.0446	3	74.00	A
	UNKNOWN	0.1440	1	21.00	A
	VERTEBRATE CONTROL	0.0619	1	18.00	A
	WALNUT	113.7134	355	12,052.67	A
	WATERMELON	0.6957	6	249.50	A
	WHEAT	3.4430	20	1,289.00	A
	WHEAT (FORAGE - FODDER)	1.1238	8	346.00	A
	Chemical Total	1,262.9806	4,766		
<b>POLYALKYLENE ETHER</b>					
	LANDSCAPE MAINTENANCE	4.5200			
	RIGHTS OF WAY	33.6546			
	Chemical Total	38.1746			

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POLYALKENE OXIDE MODIFIED HEPTAMETHYL TRISILOXANE					
ALFALFA		388.4741	583	35,813.30	A
ALMOND		749.9062	494	24,656.27	A
APPLE		2.1586	4	182.00	A
APRICOT		7.0237	22	564.00	A
ARTICHOKE, GLOBE		64.0421	15	478.45	A
ASPARAGUS		3.0321	4	347.00	A
AVOCADO		10.5356	29	689.50	A
BEAN, SUCCULENT		5.5179	3	201.17	A
BERMUDAGRASS		3.4111	5	315.00	A
BLUEBERRY		1.0385	8	252.00	A
BOK CHOY		0.2280	6	18.50	A
BROCCOLI		105.6481	157	3,444.90	A
CABBAGE		160.0701	123	1,695.90	A
CANOLA (RAPE)		1.7222	1	140.00	A
CANTALOUPE		7.5348	18	855.60	A
CARROT		15.0338	28	1,578.10	A
CAULIFLOWER		58.5476	56	1,132.50	A
CELERY		348.2319	616	7,568.24	A
CHERRY		34.9621	40	1,540.25	A
CHICORY		3.5055	4	18.80	A
CHINESE CABBAGE (NAPPA)		14.0104	11	83.51	A
CHRISTMAS TREE		1.1655	12	16.90	A
CORN (FORAGE - FODDER)		48.9775	35	2,142.10	A
CORN, HUMAN CONSUMPTION		36.3449	92	3,424.70	A
COTTON		590.7211	961	59,211.47	A
CUCUMBER		0.7936	3	65.00	A
ENDIVE (ESCAROLE)		0.1463	2	15.40	A
FORAGE HAY/SILAGE		6.0860	12	1,157.00	A
FOREST, TIMBERLAND		13.6248	16	1,052.00	A
GARLIC		1.8253	1	154.00	A
GRAPE		3,149.5849	99	7,886.20	A
GRAPE, WINE		1,024.4563	286	9,719.27	A
GRAPEFRUIT		2.5663	9	743.00	A
KALE		2.4971	17	70.00	A
KIWI		6.5096	9	114.50	A
LANDSCAPE MAINTENANCE		140.9809			
LEMON		63.2239	14	226.60	A
LETTUCE, HEAD		867.1245	856	19,680.20	A
LETTUCE, LEAF		455.0213	513	7,405.76	A
MINT		8.7885	12	427.29	A
N-GRNHS FLOWER		3.8962	25	27.25	A
N-GRNHS PLANTS IN CONTAINERS		2.1770	11	10.72	A
N-OUTDR FLOWER		3.5248	7	236.00	A
N-OUTDR PLANTS IN CONTAINERS		2.4339	11	44.75	A
		0.0978	1	18,000.00	S
TOTAL POUNDS ON THIS COMMODITY	2.5317				
N-OUTDR TRANSPLANTS		0.6064	1	50.00	A
NECTARINE		50.9748	271	4,808.10	A
OLIVE		0.1871	2	26.30	A
ONION, DRY		63.0570	93	5,445.50	A
ORANGE		2,416.1038	287	7,386.10	A
PARSLEY		0.5008	2	2.50	A
PASTURELAND		1.8481	2	320.00	A
PEACH		69.7362	279	6,365.70	A
PEAR		1.0703	1	47.00	A
PEAS		2.0866	4	52.90	A
PEPPER, FRUITING		175.2127	63	1,853.40	A
PEPPER, SPICE		8.2630	10	246.40	A
PERSIMMON		0.6552	10	54.80	A
PISTACHIO		16.3522	14	863.90	A
PLUM		27.1911	110	1,825.30	A
POTATO		21.2011	17	1,039.00	A
PRUNE		2.4482	17	255.50	A
PUMPKIN		0.2164	4	18.40	A
QUINCE		0.8338	2	24.00	A
RANGELAND		0.2274		53.00	A
RAPPINI		12.7349	23	1,016.00	A
RASPBERRY		155.9526	89	990.00	A

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<b>POLYALKENE OXIDE MODIFIED HEPTAMETHYL TRISILOXANE</b>					
	REGULATORY PEST CONTROL	0.6064			
	RICE	556.7795	140	11,071.60	A
	RIGHTS OF WAY	123.5781			
	RYEGRASS	4.0884	12	109.70	A
	SOIL FUMIGATION/PREPLANT	0.0758	1	4.00	A
	SORGHUM (FORAGE - FODDER)	0.4730	5	124.00	A
	SORGHUM/MILO	0.2820	1	74.00	A
	SPINACH	22.1953	26	187.75	A
	SQUASH	4.3034	2	130.60	A
	SQUASH, SUMMER	2.2741	2	12.00	A
	STRAWBERRY	2,405.0405	358	11,413.14	A
	STRUCTURAL PEST CONTROL	6.8462			
	SUGARBEET	40.1617	57	3,884.50	A
	SUNFLOWER	2.1520	1	65.30	A
	TANGELO	62.2977	13	202.29	A
	TANGERINE	8.3465	2	20.00	A
	TOMATILLO	0.0835	1	2.00	A
	TOMATO	28.1883	37	1,769.60	A
	TOMATO, PROCESSING	26.8006	27	2,218.00	A
	UNCULTIVATED AG	24.0351	66	1,680.90	A
	UNCULTIVATED NON-AG	1.3068	4	66.00	A
	WALNUT	147.0639	123	7,710.20	A
	WATERMELON	12.3289	6	365.80	A
	WHEAT	34.4024	41	3,375.80	A
	WHEAT (FORAGE - FODDER)	1.3614	4	228.00	A
	Chemical Total	14,959.7336	7,461		
<b>POLYALKYLENEOXIDE MODIFIED POLYDIMETHYL-SILOXANE</b>					
	COTTON	70.8549	28	1,907.00	A
	GRAPE	428.6354	26	3,460.90	A
	GRAPE, WINE	974.5106	41	1,376.71	A
	ORANGE	2.9690	1	10.00	A
	PEACH	1.2757	3	55.00	A
	UNCULTIVATED NON-AG	1.3509	1	73.00	A
	Chemical Total	1,479.5965	100		
<b>POLYBUTENES</b>					
	ALFALFA	501.4318	195	7,947.65	A
	ALMOND	5,040.5828	1,231	82,508.95	A
		1.5196		18.00	T
	TOTAL POUNDS ON THIS COMMODITY	5,042.1024			
	APPLE	93.6549	68	1,741.18	A
	APRICOT	436.5573	64	4,890.00	A
	ARTICHOKE, GLOBE	444.6510	184	7,794.20	A
	ASPARAGUS	5.3565	2	95.50	A
	BASIL, SWEET	0.9545	3	67.00	A
	BEAN, DRIED	143.6343	80	5,265.00	A
	BEAN, SUCCULENT	24.7612	16	1,082.50	A
	BEAN, UNSPECIFIED	7.5978	1	40.00	A
	BERMUDAGRASS	9.8771	8	515.00	A
	BOK CHOY	0.6762	4	38.15	A
	BROCCOLI	1.6592	9	92.70	A
	CABBAGE	0.8206	4	33.00	A
	CANTALOUPE	13.3114	10	578.10	A
	CARDON	0.7906	7	22.20	A
	CARROT	507.3596	128	7,175.30	A
	CAULIFLOWER	1.1245	4	22.70	A
	CELERY	14.6763	64	404.34	A
	CHERRY	434.1320	401	9,116.90	A
	CHESTNUT	0.8904	4	22.00	A
	CITRUS	2.9480	2	14.00	A
	CLOVER	0.2374	1	20.00	A
	COLLARD	2.2793	2	60.00	A
	CORN (FORAGE - FODDER)	100.6741	59	6,252.00	A
	CORN, HUMAN CONSUMPTION	68.9702	89	782.34	A
	COTTON	1,732.7473	576	40,320.46	A

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<b>POLYBUTENES</b>					
	CUCUMBER	4.5587	2	100.00	A
	EGGPLANT	3.0771	2	48.00	A
	FENNEL	0.8334	5	23.40	A
	GARLIC	35.9072	6	373.00	A
	GRAPE	1,111.2774	486	25,752.68	A
	GRAPE, WINE	669.5452	270	15,128.15	A
	GRAPEFRUIT	7.2407	3	25.00	A
	LANDSCAPE MAINTENANCE	5,108.6542			
	LEMON	36.9091	12	169.80	A
	LETTUCE, HEAD	659.4938	865	22,120.65	A
	LETTUCE, LEAF	73.2014	150	2,241.74	A
	MELON	2.1217	3	121.00	A
	N-OUTDR PLANTS IN CONTAINERS	5.7553	30	96.70	A
	NECTARINE	1.8876	6	37.50	A
	OAT	5.3261	1	74.80	A
	OILSEED	2.9631	6	52.00	A
	OLIVE	17.4141	11	405.50	A
	ONION, DRY	32.3882	39	718.20	A
	ORANGE	2,462.3739	708	18,935.93	A
	PARSLEY	2.9707	1	100.00	A
	PEACH	488.7189	201	7,074.10	A
	PEAR	221.8789	137	6,011.00	A
	PEPPER, FRUITING	36.5618	41	1,056.13	A
	PISTACHIO	5,267.8412	730	103,381.68	A
	PLUM	3.7989	1	80.00	A
	POMEGRANATE	352.3212	62	13,641.26	A
	POTATO	51.1094	18	1,366.30	A
	PUMPKIN	0.8813	2	29.00	A
	RAPPINI	0.4416	2	12.40	A
	RICE	580.5018	161	10,892.14	A
	RIGHTS OF WAY	14.2459			
	SAFFLOWER	8.4715	9	446.00	A
	SOIL FUMIGATION/PREPLANT	0.9117	1	24.00	A
	SPINACH	16.2121	68	512.70	A
	SQUASH	3.2291	3	65.00	A
	STRAWBERRY	131.9646	34	2,170.00	A
	STRUCTURAL PEST CONTROL	141.9357			
	SUGARBEET	36.4694	22	1,432.65	A
	SUNFLOWER	1.5196	1	40.00	A
	TANGELO	89.5742	59	1,399.90	A
	TANGERINE	2.2793	1	8.00	A
	TOMATILLO	0.3087	1	13.00	A
	TOMATO	136.5230	182	5,484.65	A
	TOMATO, PROCESSING	483.7562	129	10,489.50	A
	UNCULTIVATED AG	107.6389	71	1,795.30	A
	UNCULTIVATED NON-AG	44.9182		472.93	A
	WALNUT	291.6248	80	3,630.35	A
	WATERMELON	115.0268	95	2,383.46	A
	WHEAT	83.7011	34	2,670.30	A
	WHEAT (FORAGE - FODDER)	11.5183	4	222.00	A
Chemical Total		28,563.6589	7,971		
<b>POLYETHER MODIFIED POLYSILOXANE</b>					
	ALFALFA	19.9330	10	942.00	A
	ALMOND	4.5983	9	386.00	A
	BOK CHOY	0.0678	4	3.59	A
	BROCCOLI	45.9928	150	1,917.40	A
	CABBAGE	8.6507	60	295.92	A
	CAULIFLOWER	27.6795	113	1,062.95	A
	CELERY	56.8878	291	2,021.95	A
	CHINESE CABBAGE (NAPPA)	0.2808	10	13.02	A
	CORN, HUMAN CONSUMPTION	79.1654	177	7,489.00	A
	COTTON	0.3111	1	33.20	A
	KALE	0.2388	4	12.00	A
	LETTUCE, HEAD	28.4012	81	3,469.40	A
	LETTUCE, LEAF	9.2170	31	537.30	A

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<b>POLYETHER MODIFIED POLYSILOXANE</b>					
	N-GRNHS PLANTS IN CONTAINERS	11.2565	25	21.08	A
		0.7808	2	25,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.0373			
	N-OUTDR FLOWER	2.3424	3	3.75	A
	N-OUTDR PLANTS IN CONTAINERS	28.8241	34	48.50	A
	PRUNE	4.6631	8	127.60	A
	RIGHTS OF WAY	30.8415			
	UNCULTIVATED AG	0.4485	4	25.80	A
	WALNUT	1.7741	11	167.75	A
	Chemical Total	362.3552	1,028		
<b>POLYETHOXY POLYPROPPOXY POLYETHOXY ETHANOL - IODINE COMPLEX</b>					
	RIGHTS OF WAY	8.1732			
	STRUCTURAL PEST CONTROL	0.1575			
	Chemical Total	8.3307			
<b>POLYETHYLENE GLYCOL</b>					
	ALFALFA	73.7366	60	4,512.68	A
	ALMOND	10.2252	12	372.50	A
	BARLEY	4.9726	5	436.90	A
	BROCCOLI	1.9285	5	39.20	A
	CANTALOUPE	0.9884	4	396.00	A
	CARROT	0.5391	1	12.00	A
	CAULIFLOWER	8.4455	21	180.80	A
	CELERY	1.0183	2	17.00	A
	CHERRY	0.0312	1	10.00	A
	CORN (FORAGE - FODDER)	72.8362	28	1,282.00	A
	COTTON	214.1107	335	37,882.99	A
	FORAGE HAY/SILAGE	0.4992	1	50.00	A
	GRAPE	0.9784	1	70.00	A
	GRAPE, WINE	39.2993	8	232.33	A
	LANDSCAPE MAINTENANCE	0.2401			
	LETTUCE, HEAD	0.0195	1	16.70	A
	N-OUTDR PLANTS IN CONTAINERS	0.0992	2	0.09	A
	N-OUTDR TRANSPLANTS	0.0255	3	2.00	A
	NECTARINE	0.0240	1	12.54	A
	OAT (FORAGE - FODDER)	1.5355	3	235.00	A
	OLIVE	0.3195	1	10.00	A
	ONION, DRY	3.4736	4	181.00	A
	PEACH	0.4577	2	20.00	A
	PEPPER, FRUITING	0.0459	1	30.00	A
	PEPPER, SPICE	4.6783	5	98.40	A
	PISTACHIO	3.6598	6	291.00	A
	PLUM	0.3195	1	20.00	A
	RANGELAND	3.6895	1	210.00	A
	RICE	0.9672	2	165.00	A
	RIGHTS OF WAY	27.9209			
	SUDANGRASS	0.4992	2	54.00	A
	SUGARBEET	0.3315	2	40.00	A
	TOMATO, PROCESSING	20.5252	31	4,758.00	A
	UNCULTIVATED AG	87.3281	107	11,112.25	A
	WALNUT	1.0108	8	203.00	A
	WHEAT	131.8769	173	16,559.17	A
	WHEAT (FORAGE - FODDER)	10.2151	19	1,182.08	A
	Chemical Total	728.8717	859		
<b>POLYETHYLENE GLYCOL DIACETATE</b>					
	ALFALFA	1.4401	24	1,620.60	A
	ALMOND	106.5690	526	32,274.42	A
	APPLE	0.2089	8	37.00	A
	APRICOT	0.0983	1	10.00	A
	ASPARAGUS	0.3765	1	322.00	A
	AVOCADO	0.4603	16	278.17	A
	BEAN, DRIED	0.3435	7	126.00	A
	BROCCOLI	9.4730	180	2,569.50	A

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<b>POLYETHYLENE GLYCOL DIACETATE</b>					
	CABBAGE	0.5598	26	148.10	A
	CARROT	0.0433	2	17.00	A
	CAULIFLOWER	7.9635	179	2,204.88	A
	CELERY	7.5370	178	2,150.60	A
	CHERRY	2.8771	23	650.00	A
	CHICORY	0.2686	3	34.40	A
	CORN (FORAGE - FODDER)	0.2155	19	504.90	A
	CORN, HUMAN CONSUMPTION	0.0876	2	55.00	A
	COTTON	2.8307	18	1,060.70	A
	CUCUMBER	0.4383	11	501.20	A
	ENDIVE (ESCAROLE)	0.1233	11	31.50	A
	FOREST, TIMBERLAND	5.6194	2	202.00	A
	GRAPE	22.9386	107	4,164.48	A
	GRAPE, WINE	49.6139	307	14,406.08	A
	KALE	1.4494	30	393.80	A
	LANDSCAPE MAINTENANCE	2.1315			
	LEMON	6.1218	20	705.04	A
	LETTUCE, HEAD	12.5120	212	2,752.40	A
	LETTUCE, LEAF	13.1885	333	3,019.40	A
	MELON	0.0100	2	30.00	A
	N-OUTDR PLANTS IN CONTAINERS	7.5398	139	1,059.23	A
	NECTARINE	3.9028	23	423.00	A
	ONION, DRY	9.8316	95	4,420.68	A
	ONION, GREEN	0.1041	6	20.00	A
	ORANGE	0.3436	4	66.50	A
	PEACH	4.1141	74	1,393.00	A
	PEAR	3.2212	50	1,261.10	A
	PEAS	8.5203	238	2,732.52	A
	PEPPER, FRUITING	0.0466	1	18.00	A
	PEPPER, SPICE	0.0783	1	15.00	A
	PISTACHIO	1.5833	8	423.00	A
	PLUM	1.3185	8	176.00	A
	POMEGRANATE	30.1306	27	5,720.51	A
	POTATO	0.0036	1	7.00	A
	PRUNE	3.1530	17	1,109.00	A
	PUMPKIN	0.0641	5	131.00	A
	RAPPINI	0.3132	14	42.00	A
	RESEARCH COMMODITY	0.0183	1	25.00	A
	RICE	28.6850	108	8,704.50	A
	RIGHTS OF WAY	0.6879			
	SAFFLOWER	0.0833	2	160.00	A
	SORGHUM/MILO	0.0137	3	56.20	A
	SPINACH	0.9431	23	399.20	A
	SQUASH	0.1470	7	191.00	A
	SQUASH, SUMMER	0.0400	2	12.55	A
	STRAWBERRY	8.9764	118	2,473.50	A
	SUNFLOWER	0.2999	8	569.00	A
	SWISS CHARD	0.5698	33	196.62	A
	TOMATO	0.6396	16	676.00	A
	TOMATO, PROCESSING	0.2104	7	395.00	A
	UNCULTIVATED AG	0.0859	2	8.50	A
	WALNUT	95.8997	802	19,621.11	A
	WATERMELON	0.6289	27	1,344.00	A
	WHEAT	0.4054	11	752.00	A
Chemical Total		468.1024	4,129		
<b>POLYETHYLENE GLYCOL MONO(3-(TETRAMETHYL-1-(TRIMETHYLSILOXY)DISILOXANYL)PROPYL)ETHER</b>					
	ALFALFA	22.7995	17	991.00	A
	ALMOND	2,593.9951	290	18,890.50	A
	APPLE	10.7194	20	330.55	A
	APRICOT	49.2692	10	669.00	A
	ARRUGULA	0.5583	2	5.68	A
	ARTICHOKE, GLOBE	257.5656	24	830.50	A
	ASPARAGUS	23.4035	19	618.10	A
	AVOCADO	533.2264	140	3,876.50	A
	BASIL, SWEET	5.9226	96	185.97	A

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<b>POLYETHYLENE GLYCOL MONO(3-(TETRAMETHYL-1-(TRIMETHYLSILOXY)DISILOXANYL)PROPYL) ETHER</b>					
BEAN, DRIED		3.0198	5	75.50	A
BEAN, SUCCULENT		41.0511	35	856.00	A
BEET		6.3427	120	192.27	A
BLACKBERRY		47.6875	12	108.63	A
BOK CHOY		10.4719	244	290.47	A
BROCCOLI		1,083.5366	802	10,919.52	A
CABBAGE		544.7037	595	4,689.53	A
CANTALOUPE		3.9985	3	186.40	A
CARROT		20.7853	33	410.60	A
CAULIFLOWER		524.7917	320	4,213.00	A
CELERIAC		2.1409	52	182.59	A
CELERY		783.3508	635	5,881.51	A
CHERRY		9.1747	2	50.00	A
CHICORY		9.2624	21	98.75	A
CHINESE CABBAGE (NAPPA)		36.9174	66	230.88	A
CILANTRO		3.1051	52	95.38	A
CITRUS		18.1319	16	146.00	A
COLLARD		9.2491	159	282.16	A
CORN (FORAGE - FODDER)		11.5010	11	775.00	A
CORN, HUMAN CONSUMPTION		610.4800	255	15,821.40	A
COTTON		7.8331	3	252.00	A
CUCUMBER		14.4180	30	30.00	A
DAIKON		0.2516	10	8.11	A
DANDELION GREEN		1.1863	50	56.96	A
DILL		0.1350	5	4.12	A
EGGPLANT		14.3553	5	117.00	A
ENDIVE (ESCAROLE)		16.2926	51	136.77	A
FENNEL		4.8082	5	20.84	A
FORAGE HAY/SILAGE		4.8052	7	133.50	A
GARLIC		13.2535	1	252.00	A
GRAPE		426.4406	77	2,939.52	A
GRAPE, WINE		12,314.1641	4,824	131,531.70	A
		0.7353	1	7.99	U
TOTAL POUNDS ON THIS COMMODITY	12,314.8994				
GRAPEFRUIT		21.2435	4	178.60	A
HERB, SPICE		0.1124	2	3.43	A
KALE		17.7045	206	378.45	A
KOHLRABI		1.4799	66	45.82	A
LANDSCAPE MAINTENANCE		28.5859			
LEEK		3.2701	56	99.77	A
LEMON		848.1242	88	3,287.91	A
LETTUCE, HEAD		2,671.1001	1,911	26,098.44	A
LETTUCE, LEAF		1,824.2759	3,032	21,513.80	A
MINT		0.9628	19	34.06	A
MUSTARD		16.3362	280	425.33	A
N-GRNHS FLOWER		409.0218	1,020	3,564.25	A
		8.6832	41	1,300,557.64	S
TOTAL POUNDS ON THIS COMMODITY	417.7050				
N-GRNHS PLANTS IN CONTAINERS		149.7180	133	335.75	A
		14.1158	54	886,755.54	S
TOTAL POUNDS ON THIS COMMODITY	163.8338				
N-GRNHS TRANSPLANTS		14.2191	76	95.92	A
N-OUTDR FLOWER		444.0290	1,545	6,566.48	A
		3.8455		101.70	P
TOTAL POUNDS ON THIS COMMODITY	447.8745				
N-OUTDR PLANTS IN CONTAINERS		714.0024	677	2,198.34	A
		4.4234	8	1,889,200.00	U
		0.6062	6	28,000.00	S
TOTAL POUNDS ON THIS COMMODITY	719.0320				
N-OUTDR TRANSPLANTS		49.6408	85	651.63	A
		0.0655	1	300.00	S
TOTAL POUNDS ON THIS COMMODITY	49.7063				
NECTARINE		50.8264	17	296.10	A
OLIVE		0.5743	1	17.30	A
ONION, DRY		819.9848	361	11,372.36	A
ONION, GREEN		5.1450	2	46.00	A
ORANGE		7,217.3564	632	17,555.99	A
PARSLEY		13.4920	246	401.01	A

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<b>POLYETHYLENE GLYCOL MONO(3-(TETRAMETHYL-1-(TRIMETHYLSILOXY)DISILOXANYL)PROPYL) ETHER</b>					
	PASTURELAND	0.3146	1	4.00	A
	PEACH	152.8828	34	902.40	A
	PEAR	408.5171	141	5,937.50	A
	PEAS	38.7843	43	530.18	A
	PEPPER, FRUITING	417.7838	305	7,058.68	A
	PEPPER, SPICE	15.7564	10	186.20	A
	PIMENTO	5.5362	7	143.30	A
	PISTACHIO	23.5921	2	60.00	A
	PLUM	4.1364	2	22.60	A
	POMEGRANATE	23.0679	2	176.00	A
	PRUNE	24.7980	88	2,103.90	A
	PUMPKIN	1.6409	5	100.00	A
	RANGELAND	19.8554	1	80.00	A
	RAPPINI	0.8847	1	6.00	A
	RASPBERRY	183.3683	61	862.31	A
	RESEARCH COMMODITY	1.4389			
	RICE	744.7941	252	13,530.19	A
	RIGHTS OF WAY	542.9515			
	SOYBEAN	1.0769	2	243.00	A
	SPINACH	60.1889	147	1,022.78	A
	SQUASH	7.0706	14	171.20	A
	SQUASH, SUMMER	4.4641	5	44.00	A
	STRAWBERRY	4,489.3438	929	24,977.53	A
	STRUCTURAL PEST CONTROL	150.9896			
	SUNFLOWER	4.0132	9	390.00	A
	SWISS CHARD	11.6774	301	358.56	A
	TANGELO	81.8547	14	311.68	A
	TANGERINE	6.9645	4	379.33	A
	TOMATO	20.5394	37	569.90	A
	TOMATO, PROCESSING	83.5938	23	2,368.20	A
	TURF/SOD	3.4405	2	35.00	A
	TURNIP	2.1501	74	64.44	A
	UNCULTIVATED AG	20.6472	9	163.40	A
	UNKNOWN	4.5044	3	46.00	A
	VERTEBRATE CONTROL	2.5558	1	13.00	A
	WALNUT	144.0349	149	6,272.53	A
	WATERMELON	112.5476	136	1,671.00	A
	Chemical Total	43,270.5464	22,508		
<b>POLYETHYLENE GLYCOL OLEATE</b>					
	ALFALFA	111.1473	37	2,379.10	A
	ALMOND	91.8992	3	457.00	A
	BROCCOLI	5.8130	1	65.00	A
	CORN (FORAGE - FODDER)	131.3797	32	1,838.20	A
	CORN, HUMAN CONSUMPTION	7.7984	3	87.00	A
	COTTON	537.7119	87	8,218.08	A
	FORAGE HAY/SILAGE	36.4207	13	784.50	A
	GRAPE, WINE	0.0279	1	0.20	A
	LANDSCAPE MAINTENANCE	17.2557			
	MINT	19.7781	8	290.00	A
	N-OUTDR PLANTS IN CONTAINERS	20.5134	30	151.30	A
	STRAWBERRY	413.5552	26	1,193.00	A
	WALNUT	64.9760	3	99.00	A
	WHEAT	67.0284	11	1,501.00	A
	Chemical Total	1,525.3049	255		
<b>POLYHEDRAL OCCLUSION BODIES (OB'S) OF THE NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ZEA (CORN EARWORM)</b>					
	TOMATO, PROCESSING	1.4519	7	741.80	A
	Chemical Total	1.4519	7		
<b>POLY-I-PARA-MENTHENE</b>					
	ALFALFA	3,207.9465	231	12,894.60	A
	ALMOND	34,206.4399	1,362	80,215.31	A
	APPLE	2,223.1923	181	7,045.99	A
	APRICOT	1,762.2717	172	4,990.80	A



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<b>POLY-I-PARA-MENTHENE</b>					
	ARRUGULA	4.6356	8	20.95	A
	ARTICHOKE, GLOBE	7,061.0944	562	22,279.10	A
	AVOCADO	16.2833	14	111.50	A
	BARLEY	29.8120	1	77.00	A
	BASIL, SWEET	30.6928	102	172.06	A
	BEAN, DRIED	1,063.0554	59	3,831.00	A
	BEAN, SUCCULENT	244.1228	31	1,158.34	A
	BEAN, UNSPECIFIED	11.5265	1	64.60	A
	BEEF	47.0182	166	224.04	A
	BERMUDAGRASS	433.9387	28	2,158.00	A
	BLACKBERRY	97.0238	29	361.63	A
	BLUEBERRY	8.4219	1	9.00	A
	BOK CHOY	32.1965	162	169.60	A
	BOYSENBERRY	12.1112	1	13.00	A
	BROCCOLI	988.4119	288	3,841.50	A
	BRUSSELS SPROUT	581.4235	121	1,070.75	A
	CABBAGE	451.4342	513	1,861.00	A
	CANTALOUPE	689.7088	46	3,079.80	A
	CARROT	2,590.6022	189	10,836.27	A
	CAULIFLOWER	264.3549	196	1,076.73	A
	CELERIAC	36.1324	154	422.79	A
	CELERY	1,904.3783	459	4,262.96	A
	CHERRY	3,326.7231	507	10,008.80	A
	CHESTNUT	25.6337	7	78.00	A
	CHICORY	2.6803	11	15.05	A
	CHINESE CABBAGE (NAPPA)	33.1351	42	136.50	A
	CHINESE GREENS	0.3688	2	2.00	A
	CHRISTMAS TREE	2.6493	4	7.55	A
	CILANTRO	6.3568	28	35.10	A
	CITRUS	208.1381	13	312.33	A
	COLLARD	42.0201	149	199.75	A
	CORN (FORAGE - FODDER)	4,613.4658	342	14,199.40	A
	CORN, HUMAN CONSUMPTION	606.1423	52	2,197.75	A
	COTTON	342.0722	31	1,662.00	A
	CUCUMBER	0.5947	1	2.60	A
	DAIKON	9.7493	60	52.77	A
	DANDELION GREEN	2.1415	12	9.39	A
	DILL	2.7200	25	16.27	A
	EGGPLANT	17.7610	6	108.00	A
	ENDIVE (ESCAROLE)	31.1557	21	112.15	A
	FENNEL	5.4508	13	27.32	A
	FIG	69.8251	5	293.50	A
	GAI LON	1.1063	2	6.00	A
	GARLIC	15.6827	1	66.00	A
	GRAPE	7,342.1304	833	29,300.57	A
	GRAPE, WINE	23,246.1371	3,371	101,524.06	A
		11.7763	2	33.00	U
	TOTAL POUNDS ON THIS COMMODITY	23,257.9134			
	KALE	37.0488	209	168.76	A
	KIWI	24.4087	2	24.00	A
	KOHLRABI	16.8758	95	74.42	A
	LANDSCAPE MAINTENANCE	102.7074			
	LEEK	7.2470	20	40.59	A
	LEMON	243.9799	16	576.29	A
	LETTUCE, HEAD	7,321.7058	1,142	25,679.13	A
	LETTUCE, LEAF	3,329.1453	1,279	12,596.23	A
	MELON	111.6252	14	534.00	A
	MINT	6.6787	24	38.21	A
	MIZUNA	1.9032	1	7.50	A
	MUSTARD	30.9442	134	158.97	A
	N-GRNHS FLOWER	2.3107	8	12.95	A
	N-GRNHS PLANTS IN CONTAINERS	37.4943	75	89.45	A
	N-GRNHS TRANSPLANTS	167.0118	390	534.64	A
		2.4535	4	140,826.00	S
	TOTAL POUNDS ON THIS COMMODITY	169.4653			
	N-OUTDR FLOWER	526.4353	274	1,933.35	A
	N-OUTDR PLANTS IN CONTAINERS	402.0970	191	797.50	A

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<b>POLY-I-PARA-MENTHENE</b>					
	N-OUTDR TRANSPLANTS	324.1324	192	1,031.66	A
		80.2629	94	5,189,081.00	S
	TOTAL POUNDS ON THIS COMMODITY	404.3953			
	NECTARINE	4,878.5636	941	10,610.24	A
	OAT	25.6556	1	72.00	A
	OLIVE	936.1600	38	1,727.70	A
		0.3851	3	66.00	U
	TOTAL POUNDS ON THIS COMMODITY	936.5451			
	ONION, DRY	4,158.7939	240	15,184.60	A
	ONION, GREEN	167.7393	52	638.00	A
	ORANGE	1,817.1413	151	4,465.96	A
		0.0078	1	20.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,817.1491			
	PARSLEY	40.0083	115	185.33	A
	PEACH	4,711.5392	921	13,858.92	A
	PEAR	3,843.7607	205	10,064.10	A
	PEAS	8.4502	6	36.00	A
	PEPPER, FRUITING	2,023.8041	176	6,959.07	A
	PEPPER, SPICE	553.4660	22	1,177.50	A
	PERSIMMON	3.4494	9	29.00	A
	PISTACHIO	5,045.8745	133	12,806.89	A
	PLUM	734.5401	243	1,990.56	A
	POTATO	3,819.8081	351	21,700.12	A
	PRUNE	141.7774	13	498.51	A
		0.0119	1	1.00	U
		0.0036	1	30.00	S
	TOTAL POUNDS ON THIS COMMODITY	141.7929			
	PUMPKIN	24.7013	5	34.20	A
	RAPPINI	0.4283	2	2.00	A
	RASPBERRY	160.5320	55	606.60	A
	RICE	1,046.9334	31	2,830.50	A
	RIGHTS OF WAY	23.5179			
		17.6051	3	30.00	A
	TOTAL POUNDS ON THIS COMMODITY	41.1230			
	ROOT VEGETABLE	1.3703	4	6.00	A
	SAFFLOWER	195.0439	7	512.50	A
	SPINACH	81.0903	104	370.10	A
	SQUASH	6.4956	7	26.40	A
	SQUASH, ZUCCHINI	2.3791	2	16.00	A
	STRAWBERRY	20,616.1794	1,911	64,898.89	A
	SUDANGRASS	83.7425	3	291.00	A
	SUGARBEET	330.1724	31	2,240.00	A
	SUNFLOWER	77.0233	4	466.00	A
	SWISS CHARD	68.5836	304	327.04	A
	TANGELO	256.7697	24	722.30	A
	TANGERINE	21.0878	6	44.00	A
	TOMATO	4,967.0389	169	14,191.25	A
	TOMATO, PROCESSING	1,614.7442	105	6,361.85	A
	TURNIP	13.8175	82	67.93	A
	UNCULTIVATED AG	443.1102	20	1,095.20	A
	UNKNOWN	1.7843	1	5.00	A
	VERTEBRATE CONTROL	55.2701	3	186.00	A
	WALNUT	13,261.9948	1,209	34,706.87	A
	WATER AREA	1.7843	1	5.00	A
	WATERMELON	433.8145	88	2,740.30	A
	WHEAT	680.3263	22	1,783.00	A
	Chemical Total	188,138.5952	22,607		
<b>POLYMERIZED ACRYLIC ACID</b>					
	GRAPE, WINE	1.4142	1	36.00	A
	Chemical Total	1.4142	1		

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<b>POLYMERIZED PINENE</b>					
	CARROT	1,816.2851	24	1,818.00	A
	CHERRY	19.2444	2	20.00	A
	CITRUS	97.6653	7	116.50	A
	GRAPE	380.1728	9	202.92	A
	GRAPEFRUIT	63.5065	2	66.00	A
	LANDSCAPE MAINTENANCE	24.7678			
	LEMON	186.9530	27	578.00	A
	OLIVE	1.4433	1	4.00	A
	ORANGE	5,016.3252	141	5,540.00	A
	PEACH	11.9315	1	31.00	A
	PISTACHIO	465.3034	13	599.50	A
	PLUM	119.6039	9	281.00	A
	RICE	43.6463	1	108.00	A
	RICE, WILD	315.6078	8	782.00	A
	RIGHTS OF WAY	9.1411			
	TANGELO	75.0916	5	88.00	A
	TANGERINE	266.8041	12	248.30	A
	WALNUT	38.4888	1	30.00	A
	Chemical Total	8,951.9819	263		
<b>POLYOXIN D</b>					
	LANDSCAPE MAINTENANCE	131.3541			
	RIGHTS OF WAY	1.8500			
	Chemical Total	133.2041			
<b>POLY(OXYETHYLENE) (DIMETHYLIMINO) ETHYLENE (DIMETHYLIMINO) ETHYLENE DICHLORIDE</b>					
	COTTON	0.0784	1	20.00	A
	LANDSCAPE MAINTENANCE	489.0975			
	RIGHTS OF WAY	0.2538			
	STRUCTURAL PEST CONTROL	7.1846			
	WATER (INDUSTRIAL)	4,178.4330		6.00	U
		294.5696		52.00	A
	TOTAL POUNDS ON THIS COMMODITY	4,473.0026			
	Chemical Total	4,969.6169	1		
<b>POLYOXYETHYLENE DIOLEATE</b>					
	ALFALFA	5.2808	120	7,190.50	A
	ALMOND	1.8627	28	972.00	A
	APPLE	0.0541	2	102.00	A
	BLUEBERRY	0.0294	3	51.00	A
	BROCCOLI	0.2351	15	596.00	A
	CABBAGE	0.0504	7	118.00	A
	CANTALOUPE	0.3930	6	353.00	A
	CELERY	0.0190	1	35.00	A
	CORN (FORAGE - FODDER)	0.4446	19	663.60	A
	CORN, HUMAN CONSUMPTION	0.9519	2	260.00	A
	COTTON	0.9154	28	1,672.00	A
	GAI LON	0.0095	1	36.00	A
	GARLIC	0.1915	3	482.40	A
	GRAPE	0.4045	5	195.00	A
	GRAPE, WINE	6.4991	51	3,233.87	A
	LEMON	0.1565	10	120.00	A
	LETTUCE, HEAD	0.5344	40	1,407.90	A
	LETTUCE, LEAF	0.6427	31	906.15	A
	MELON	0.0484	5	138.90	A
	N-GRNHS PLANTS IN CONTAINERS	0.0095	1	1.00	A
	N-OUTDR FLOWER	0.0381	1	47.00	A
	OAT (FORAGE - FODDER)	0.0362	1	30.00	A
	ONION, DRY	0.3410	10	248.96	A
	PEAR	0.5310	5	224.10	A
	PEPPER, FRUITING	0.2991	4	293.00	A
	PUMPKIN	1.2163	20	862.50	A
	REGULATORY PEST CONTROL	0.0068			
	RIGHTS OF WAY	0.0238			
	SPINACH	0.0083	1	7.00	A

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<b>POLYOXYETHYLENE DIOLEATE</b>					
	SQUASH	0.0333	2	70.00	A
	SQUASH, WINTER	0.1582	5	188.00	A
	SWEET POTATO	0.2379	4	220.00	A
	TOMATO	0.3435	4	404.00	A
	TOMATO, PROCESSING	5.6201	141	10,088.59	A
	TURF/SOD	0.0118	1	10.00	A
	UNCULTIVATED AG	0.5760	11	133.00	A
	WALNUT	0.3633	2	97.00	A
	WATERMELON	0.1828	7	356.00	A
	WHEAT	0.3972	8	1,088.60	A
	Chemical Total	29.1572	605		
<b>POLYOXYETHYLENE MIXED FATTY ACID ESTER</b>					
	ALFALFA	4.9331	2	43.00	A
	Chemical Total	4.9331	2		
<b>POLYOXYETHYLENE POLYOXYPROPYLENE</b>					
	ALFALFA	85.4910	33	2,860.10	A
	ALMOND	5,637.0066	1,093	62,850.46	A
	APPLE	1,401.0497	228	6,877.29	A
	APRICOT	8.4540	4	101.50	A
	ARTICHOKE, GLOBE	170.7482	237	2,285.00	A
	ASPARAGUS	87.2993	86	1,556.07	A
	AVOCADO	358.0883	154	4,061.57	A
	BARLEY	38.5211	12	443.00	A
	BEAN, DRIED	52.7680	17	583.50	A
	BEAN, SUCCULENT	23.5101	71	637.40	A
	BEAN, UNSPECIFIED	165.4541	38	749.02	A
	BLACKBERRY	4.7874	7	37.98	A
	BLUEBERRY	13.6716	4	209.10	A
	BOK CHOY	13.8482	90	191.55	A
	BROCCOLI	1,035.8355	1,637	20,910.98	A
	BRUSSELS SPROUT	140.0298	229	2,265.41	A
	CABBAGE	253.0805	506	3,375.18	A
	CACTUS PEAR	10.0803	20	245.80	A
	CANTALOUPE	3.3891	1	80.00	A
	CARROT	0.3996	2	17.60	A
	CAULIFLOWER	506.3392	553	6,257.46	A
	CELERY	1,166.9025	1,003	12,872.34	A
	CHERRY	814.8711	221	4,499.50	A
	CHICORY	11.0504	14	159.80	A
	CHINESE CABBAGE (NAPPA)	69.7966	175	833.42	A
	CILANTRO	3.2970	4	41.60	A
	CITRUS	6.7786	4	65.00	A
	COLLARD	42.4872	90	904.55	A
	CORN (FORAGE - FODDER)	241.0195	36	1,777.90	A
	CORN, HUMAN CONSUMPTION	6.1448	9	278.78	A
	COTTON	412.8190	195	19,059.30	A
	CUCUMBER	19.3932	17	168.03	A
	DATE	9.7000	4	140.00	A
	ENDIVE (ESCAROLE)	5.9314	31	101.55	A
	FENNEL	24.3308	59	758.70	A
	FORAGE HAY/SILAGE	1.7090	2	52.00	A
	GARLIC	4.6694	8	97.00	A
	GRAPE	2,973.0955	724	25,622.27	A
	GRAPE, WINE	4,233.9946	1,334	76,709.29	A
	GRAPEFRUIT	5.3840	6	51.00	A
	KALE	12.9890	72	260.31	A
	LANDSCAPE MAINTENANCE	117.2061			
		8.4727	1	57.00	A
	TOTAL POUNDS ON THIS COMMODITY	125.6788			
	LEEK	2.1033	9	43.00	A
	LEMON	260.4646	70	1,543.70	A
	LETTUCE, HEAD	1,692.6741	3,199	38,845.01	A
	LETTUCE, LEAF	2,095.3845	3,884	49,713.32	A
	LIME	0.3615	2	4.50	A

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<b>POLYOXYETHYLENE POLYOXYPROPYLENE</b>					
	MELON	13.7873	16	949.40	A
	MINT	143.6443	50	2,320.60	A
	MUSTARD	21.8746	51	536.15	A
	N-GRNHS FLOWER	88.2634	775	1,500.82	A
		12.1516	36	1,607,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	100.4150			
	N-GRNHS PLANTS IN CONTAINERS	18.6615	130	88.49	A
		0.9860	3	140,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	19.6475			
	N-GRNHS TRANSPLANTS	2.1567	33	48.93	A
	N-OUTDR FLOWER	156.7480	528	1,951.10	A
	N-OUTDR PLANTS IN CONTAINERS	270.6284	466	1,480.70	A
		0.4236	1	1,000.00	U
		0.0493	1	2,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	271.1013			
	N-OUTDR TRANSPLANTS	2.0149	33	49.17	A
	NECTARINE	83.0312	61	742.76	A
	OAT	2.6292	1	80.00	A
	OAT (FORAGE - FODDER)	1.9141	2	38.79	A
	OLIVE	26.6743	35	528.70	A
	ONION, DRY	391.2140	201	9,978.80	A
	ONION, GREEN	15.0852	91	420.45	A
	ORANGE	502.3683	282	7,466.10	A
	ORCHARD FLOOR	0.3365	1	5.00	A
	PARSLEY	3.1655	6	47.35	A
	PASTURELAND	0.6100	2	63.00	A
	PEACH	655.9083	220	4,436.90	A
	PEAR	92.5255	19	646.50	A
	PEAS	17.7997	86	604.60	A
	PECAN	1.7623	1	11.00	A
	PEPPER, FRUITING	540.2926	343	7,807.32	A
	PEPPER, SPICE	89.7627	132	2,365.80	A
	PIMENTO	1.6827	2	59.10	A
	PISTACHIO	346.5290	82	4,215.57	A
	PLUM	89.6276	47	949.56	A
	POMEGRANATE	19.2222	6	390.00	A
	POTATO	207.7410	56	3,724.00	A
	PRUNE	213.5515	34	1,652.00	A
	PUBLIC HEALTH	0.5258	1	8.00	A
	PUMPKIN	41.4256	22	359.34	A
	RADISH	6.4798	12	57.55	A
	RANGELAND	164.3328	3	1,500.00	A
	RAPPINI	134.3177	248	4,379.15	A
	RASPBERRY	23.9185	19	205.30	A
	RICE	2,645.0015	249	17,448.70	A
	RIGHTS OF WAY	2,832.3912			
		8.7867	26	93.50	A
	TOTAL POUNDS ON THIS COMMODITY	2,841.1779			
	SOIL FUMIGATION/PREPLANT	94.4059	23	1,075.00	A
	SPINACH	41.4791	106	958.53	A
	SQUASH	86.8277	25	313.58	A
	SQUASH, SUMMER	25.4925	65	550.06	A
	STRAWBERRY	7,405.0733	1,594	44,280.88	A
	SUNFLOWER	7.6593	2	72.10	A
	SWISS CHARD	5.1321	31	115.15	A
	TANGELO	31.1384	8	221.00	A
	TANGERINE	12.1722	15	160.00	A
	TOMATO	36.5773	36	981.50	A
	TOMATO, PROCESSING	382.0781	217	18,303.90	A
	TURF/SOD	181.2435	40	1,105.40	A
	TURNIP	1.2200	8	37.00	A
	UNCULTIVATED AG	216.9500	162	2,342.45	A
	UNCULTIVATED NON-AG	18.2515	66	303.70	A
	VEGETABLES, LEAFY	1.2462	5	36.12	A
	VERTEBRATE CONTROL	0.0000	2	39.92	A
	WALNUT	3,736.9291	465	19,052.11	A
	WATERMELON	80.8202	25	903.30	A

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<b>POLYOXYETHYLENE POLYOXYPROPYLENE</b>					
	WHEAT	26.0652	6	333.10	A
	WHEAT (FORAGE - FODDER)	3.9437	3	180.00	A
	Chemical Total	46,539.5899	23,512		
<b>POLY(OXYETHYLENE) POLY(OXYPROPYLENE) GLYCOL MONOALLYL ETHER</b>					
	ALMOND	11.3402	2	52.50	A
	APRICOT	2.1538	2	7.00	A
	GRAPE, WINE	307.5267	42	2,204.08	A
	STRAWBERRY	11.7786	2	56.00	A
	Chemical Total	332.7993	48		
<b>POLYOXYETHYLENE SORBITOL, MIXED ETHER ESTER</b>					
	ALFALFA	12,958.1119	247	13,362.45	A
	ALMOND	24.9628	5	187.00	A
	AVOCADO	24.9549	14	40.00	A
	BEAN, SUCCULENT	36.2980	1	24.00	A
	BERMUDAGRASS	2.8322	1	14.00	A
	CARROT	31.1542	3	154.00	A
	CHERRY	42.9073	4	125.00	A
	CORN (FORAGE - FODDER)	933.2213	36	1,254.40	A
	CORN, HUMAN CONSUMPTION	811.3687	85	3,571.00	A
	COTTON	6,805.7007	134	8,573.30	A
	CUCUMBER	13.6118	1	9.00	A
	FORAGE HAY/SILAGE	35.4025	4	330.00	A
	GAI LON	4.9564	1	12.00	A
	GRAPE	12.4905	5	109.00	A
	GRAPE, WINE	0.2346	3	3.00	A
	LANDSCAPE MAINTENANCE	5.7188			
	LETTUCE, LEAF	0.0774	1	68.00	A
	MELON	9.0745	1	12.00	A
	N-GRNHS PLANTS IN CONTAINERS	6.5515	81	2,268,000.00	S
	OAT	8.3108	7	65.00	A
	OLIVE	4.3104	1	38.00	A
	ORANGE	9.3092	4	86.00	A
	PASTURELAND	63.5215	2	66.00	A
	PEACH	1.6017	1	3.50	A
	PRUNE	45.7506	1	121.00	A
	PUBLIC HEALTH	40.7025			
	RICE	4,700.5881	46	3,555.40	A
	RIGHTS OF WAY	2,726.6481			
	SAFFLOWER	46.8850	3	207.00	A
	SQUASH	98.3070	1	65.00	A
	STRAWBERRY	0.4576	1	1.00	A
	STRUCTURAL PEST CONTROL	84.6953			
	SUGARBEET	273.1178	17	956.00	A
	SUGARCANE	2.8322	1	12.00	A
	TANGELO	1.3309	1	7.00	A
	TANGERINE	1.3233	3	3.00	A
	TOMATO, PROCESSING	90.7449	4	120.00	A
	UNCULTIVATED AG	402.5663	10	734.50	A
	WALNUT	189.1966	17	352.50	A
	WATERMELON	45.3724	2	30.00	A
	WHEAT	7.0805	1	35.00	A
	Chemical Total	30,604.2827	750		
<b>POLYOXYETHYLENE SORBITAN MIXED FATTY ACID ESTERS</b>					
	ALFALFA	3,457.1741	549	31,648.49	A
	ALMOND	10,003.3023	1,185	59,356.54	A
	APPLE	104.4470	11	400.22	A
	APRICOT	13.0948	15	149.50	A
	ASPARAGUS	4.7981	1	18.00	A
	BARLEY	1.2784	2	54.00	A
	BEAN, DRIED	4.6861	1	20.00	A
	BEAN, SUCCULENT	8.5522	4	95.00	A
	BEAN, UNSPECIFIED	7.8049	7	58.50	A

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<b>POLYOXYETHYLENE SORBITAN MIXED FATTY ACID ESTERS</b>					
	BERMUDAGRASS	36.6333	4	398.00	A
	BLUEBERRY	3.6537	4	45.00	A
	BOK CHOY	0.9372	1	10.00	A
	BROCCOLI	116.9703	35	1,235.40	A
	BRUSSELS SPROUT	4.9900	6	24.92	A
	CABBAGE	0.6743	3	60.20	A
	CANOLA (RAPE)	1.8745	2	70.00	A
	CANTALOUPE	45.9334	5	640.00	A
	CARROT	135.5905	20	1,111.00	A
	CAULIFLOWER	39.7430	12	633.00	A
	CELERY	10.6837	12	66.50	A
	CHERRY	76.9982	49	724.73	A
	CHESTNUT	0.4558	7	24.00	A
	CHINESE CABBAGE (NAPPA)	3.7489	2	40.00	A
	CITRUS	0.2782	1	65.00	A
	CORN (FORAGE - FODDER)	151.0381	51	2,430.71	A
	CORN, HUMAN CONSUMPTION	78.0036	26	948.70	A
	COTTON	10,100.7440	1,882	154,732.05	A
	CUCUMBER	13.3280	1	42.00	A
	DITCH BANK	1.1715	1	10.00	A
	EGGPLANT	0.7732	2	33.00	A
	FORAGE HAY/SILAGE	2.0150	3	85.00	A
	GARLIC	32.6534	4	294.00	A
	GRAPE	2,548.3814	372	13,842.38	A
	GRAPE, WINE	193.3271	113	3,654.54	A
	GRAPEFRUIT	7.1171	7	53.10	A
	KALE	2.3351	4	8.75	A
	KIWI	56.9196	23	185.62	A
	LANDSCAPE MAINTENANCE	5.2872			
		0.2166	1	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	5.5038			
	LEMON	8.5779	20	549.64	A
	LETTUCE, HEAD	11.7153	6	116.50	A
	LETTUCE, LEAF	28.7552	14	514.00	A
	MELON	8.7912	1	150.00	A
	N-GRNHS FLOWER	0.3332	8	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.7029	1	6.00	A
	NECTARINE	66.1732	67	772.54	A
	OAT	3.8145	3	115.00	A
	OAT (FORAGE - FODDER)	0.4686	1	28.00	A
	OLIVE	45.7263	44	716.15	A
	ONION, DRY	81.4730	14	1,175.00	A
	ORANGE	474.9944	495	8,190.03	A
	PASTURELAND	2.5844	2	110.30	A
	PEACH	364.1924	195	2,834.01	A
	PEAS	0.1386	1	1.00	A
	PEPPER, FRUITING	0.9307	4	85.00	A
	PISTACHIO	192.8321	105	4,247.00	A
	PLUM	317.0613	241	3,933.28	A
	POMEGRANATE	0.2101	1	7.00	A
	POTATO	143.1206	41	2,372.00	A
	PRUNE	671.0271	109	4,177.90	A
	PUBLIC HEALTH	14.0584			
	PUMPKIN	0.2718	1	4.60	A
	RANGELAND	39.2214	9	340.00	A
	REGULATORY PEST CONTROL	248.2627			
		149.7967		571.55	A
		0.0008		294.42	S
	TOTAL POUNDS ON THIS COMMODITY	398.0602			
	RICE	27,515.2793	1,737	123,047.90	A
	RIGHTS OF WAY	896.3347			
		4.1824	1	35.70	A
	TOTAL POUNDS ON THIS COMMODITY	900.5171			
	RYEGRASS	38.4262	3	164.00	A
	SOIL FUMIGATION/PREPLANT	47.5650	3	192.80	A
	SQUASH	2.3431	1	10.00	A
	SQUASH, SUMMER	1.6401	2	40.00	A
	STONE FRUIT	6.2513	1	10.00	A

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<b>POLYOXYETHYLENE SORBITAN MIXED FATTY ACID ESTERS</b>					
	STRAWBERRY	6.7781	3	215.00	A
	STRUCTURAL PEST CONTROL	55.7708			
	SUGARBEET	83.1806	17	748.30	A
	SUNFLOWER	19.4755	5	231.10	A
	TANGELO	1.2740	4	99.00	A
	TANGERINE	2.8409	6	70.00	A
	TOMATO	32.2874	4	733.10	A
	TOMATO, PROCESSING	43.4260	18	2,132.10	A
	UNCULTIVATED AG	41.6479	25	1,469.30	A
	UNCULTIVATED NON-AG	26.8234	19	281.50	A
	UNKNOWN	40.7837	1	153.00	A
	WALNUT	665.3730	269	7,730.86	A
	WATER AREA	36.0240	1	164.50	A
	WATERMELON	29.3362	4	225.00	A
	WHEAT	76.5993	35	1,586.80	A
	WHEAT (FORAGE - FODDER)	20.3734	4	259.80	A
Chemical Total		59,846.8649	7,974		
<b>POLYOXYETHYLENE SORBITAN MONOOLEATE</b>					
	ALFALFA	18.2884	24	854.00	A
	ALMOND	204.2476	279	10,846.91	A
	APPLE	3.1457	3	336.00	A
	BEAN, SUCCULENT	0.7175	2	48.00	A
	CARROT	0.8521	3	114.00	A
	CHERRY	25.7600	18	571.67	A
	CORN (FORAGE - FODDER)	1.0908	5	103.75	A
	CORN, HUMAN CONSUMPTION	0.3289	1	44.00	A
	COTTON	163.1599	170	11,100.40	A
	GRAPE	13.0021	16	541.50	A
	GRAPE, WINE	4.1670	5	229.00	A
	LANDSCAPE MAINTENANCE	7.7530			
	NECTARINE	0.2996	1	4.00	A
	OAT (FORAGE - FODDER)	2.7068	2	289.00	A
	OLIVE	2.8243	10	142.54	A
	ORANGE	8.3268	54	545.00	A
	PEACH	4.0986	16	198.00	A
	PECAN	0.3364	2	100.00	A
	PEPPER, FRUITING	0.5839	3	50.00	A
	PISTACHIO	17.7210	47	2,974.75	A
	PLUM	3.6252	24	445.63	A
	PRUNE	4.3939	25	1,831.84	A
	REGULATORY PEST CONTROL	15.6261			
	RESEARCH COMMODITY	0.0012			
	RICE	47.7274	8	1,277.80	A
	RIGHTS OF WAY	79.5733			
	STRUCTURAL PEST CONTROL	0.0747			
	SUGARBEET	3.2524	6	351.00	A
	TOMATO, PROCESSING	1.8312	1	49.00	A
	UNCULTIVATED AG	0.0934	1	5.00	A
	WALNUT	24.2025	95	2,679.70	A
Chemical Total		659.8117	821		
<b>POLYOXYETHYLENE SORBITAN TRIOLEATE</b>					
	ALFALFA	153.9590	78	4,279.00	A
	ALMOND	1,401.9218	298	11,609.91	A
	APPLE	20.6783	3	336.00	A
	BEAN, SUCCULENT	4.7239	2	48.00	A
	CARROT	9.7404	11	321.60	A
	CHERRY	169.5868	18	571.67	A
	CORN (FORAGE - FODDER)	7.1808	5	103.75	A
	CORN, HUMAN CONSUMPTION	2.1651	1	44.00	A
	COTTON	1,088.5408	175	11,499.73	A
	DATE	0.2752	1	5.50	A
	GRAPE	85.5974	16	541.50	A
	GRAPE, WINE	27.4328	5	229.00	A
	LANDSCAPE MAINTENANCE	51.0406			



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<b>POLYOXYETHYLENE SORBITAN TRIOLEATE</b>					
	NECTARINE	1.9694	1	4.00	A
	OAT (FORAGE - FODDER)	17.7932	2	289.00	A
	OLIVE	18.5930	10	142.54	A
	ONION, DRY	5.7633	27	167.50	A
	ORANGE	54.8630	54	545.00	A
	PEACH	28.2338	19	223.50	A
	PECAN	2.2143	2	100.00	A
	PEPPER, FRUITING	3.8443	3	50.00	A
	PERSIMMON	1.4763	5	29.50	A
	PISTACHIO	116.6634	47	2,974.75	A
	PLUM	23.8838	24	445.63	A
	PRUNE	34.0278	29	1,954.34	A
	REGULATORY PEST CONTROL	102.8719			
	RESEARCH COMMODITY	0.0077			
	RICE	314.2054	8	1,277.80	A
	RIGHTS OF WAY	530.5446			
	STRUCTURAL PEST CONTROL	0.4921			
	SUGARBEET	21.4093	6	351.00	A
	TOMATO, PROCESSING	12.0557	1	49.00	A
	UNCULTIVATED AG	0.6151	1	5.00	A
	WALNUT	159.4050	97	2,699.70	A
	WHEAT (FORAGE - FODDER)	18.4637	12	553.00	A
	Chemical Total	4,492.2390	961		
<b>POLY PROPOXY POLY ETHOXY ETHANOL, I2 COMPLEX</b>					
	STRUCTURAL PEST CONTROL	0.5873			
	Chemical Total	0.5873			
<b>POLYSACCHARIDE POLYMER</b>					
	ALFALFA	19.1551	412	25,943.20	A
	ALMOND	10.9446	107	5,308.10	A
	ASPARAGUS	0.4226	10	384.58	A
	BARLEY	0.5260	29	764.86	A
	BARLEY (FORAGE - FODDER)	0.7500	2	200.00	A
	BEAN, DRIED	0.9036	21	1,188.40	A
	BEAN, SUCCULENT	0.0300	1	8.00	A
	BERMUDAGRASS	0.0600	1	20.00	A
	BLUEBERRY	0.0777	1	69.00	A
	BROCCOLI	0.7307	15	250.70	A
	CABBAGE	0.5018	17	121.10	A
	CANTALOUPE	0.0813	1	54.20	A
	CARROT	0.1734	2	151.40	A
	CAULIFLOWER	1.1209	12	170.90	A
	CELERY	0.6259	11	111.10	A
	CHERRY	0.0251	2	176.00	A
	CORN (FORAGE - FODDER)	3.7247	77	8,201.98	A
	CORN, HUMAN CONSUMPTION	2.7032	169	4,970.90	A
	COTTON	78.0178	1,580	113,099.58	A
	FENNEL	0.0120	1	6.40	A
	FORAGE HAY/SILAGE	1.1486	5	422.00	A
	GARLIC	0.1223	3	133.00	A
	GRAPE	0.1507	6	125.60	A
	GRAPE, WINE	59.3799	223	4,190.53	A
	KALE	0.0060	1	2.00	A
	LANDSCAPE MAINTENANCE	0.4452			
	LETTUCE, HEAD	5.1622	67	1,044.40	A
	LETTUCE, LEAF	6.0605	77	922.30	A
	MUSTARD	0.4448	2	118.60	A
	N-OUTDR FLOWER	0.0169	1	0.20	A
	N-OUTDR PLANTS IN CONTAINERS	0.4190	4	144.70	A
	OAT	4.9269	53	2,099.29	A
	OAT (FORAGE - FODDER)	0.3197	19	579.00	A
	ONION, DRY	1.3860	23	576.45	A
	ORANGE	0.2168	5	177.00	A
	PARSLEY	0.0105	1	2.00	A
	PASTURELAND	0.4229	12	819.00	A

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<b>POLYSACCHARIDE POLYMER</b>					
	PEAR	0.1392	2	223.00	A
	PEAS	0.1163	1	15.50	A
	PEPPER, FRUITING	1.0309	11	263.90	A
	PEPPER, SPICE	0.2150	5	111.70	A
	POTATO	0.1727	3	230.00	A
	RANGELAND	0.0113	1	3.00	A
	RICE	2.5940	15	1,126.50	A
	RIGHTS OF WAY	37.7897			
	RYE	0.0285	1	76.00	A
	RYEGRASS	0.0840	8	224.00	A
	SAFFLOWER	0.0588	3	111.00	A
	SOIL FUMIGATION/PREPLANT	1.9513	23	1,082.00	A
	SORGHUM/MILO	0.1875	10	440.80	A
	SOYBEAN	0.0150	1	40.00	A
	STRAWBERRY	0.0047	1	12.50	A
	SUGARBEET	0.5235	8	418.00	A
	TOMATO	0.1050	1	28.00	A
	TOMATO, PROCESSING	5.0705	67	3,653.10	A
	TURNIP	0.0300	2	20.00	A
	UNCULTIVATED AG	8.0832	210	6,385.65	A
	UNCULTIVATED NON-AG	3.7251	69	1,229.15	A
	WHEAT	35.5842	493	31,570.26	A
	WHEAT (FORAGE - FODDER)	2.2722	47	3,389.61	A
	Chemical Total	301.0179	3,955		
<b>POLYSILOXANE</b>					
	ALFALFA	45.9989	30	1,780.50	A
	ALMOND	177.8886	25	1,935.60	A
	BARLEY	23.3496	13	676.70	A
	CANTALOUPE	2.6956	1	78.00	A
	CORN (FORAGE - FODDER)	13.7034	13	788.00	A
	CORN, HUMAN CONSUMPTION	5.4188	1	209.50	A
	COTTON	343.9624	252	15,743.28	A
	FORAGE HAY/SILAGE	11.7300	5	318.00	A
	FOREST, TIMBERLAND	0.6900	1	25.00	A
	GARLIC	8.8596	1	154.00	A
	LANDSCAPE MAINTENANCE	2.4150			
	OAT	30.1622	5	514.00	A
	OAT (FORAGE - FODDER)	12.7788	10	640.00	A
	PASTURELAND	7.2428	3	95.00	A
	RICE	162.9677	88	2,557.25	A
	SQUASH, WINTER	1.7020	1	37.00	A
	STRAWBERRY	39.5600	2	45.00	A
	SUDANGRASS	5.2325	2	91.00	A
	SUGARBEET	5.4924	3	91.00	A
	TOMATO	5.1796	1	200.00	A
	TOMATO, PROCESSING	1.6284	1	47.10	A
	UNCULTIVATED AG	4.8944	7	117.00	A
	VEGETABLES, LEAFY	7.2036	20	887.00	A
	WALNUT	26.1211	8	345.60	A
	WHEAT	59.7149	28	2,022.20	A
	WHEAT (FORAGE - FODDER)	41.7475	22	989.90	A
	Chemical Total	1,048.3398	543		
<b>POTASH SOAP</b>					
	ALMOND	218.3710	1	50.00	A
	APPLE	7.7402	1	10.00	A
	APRICOT	109.1855	1	25.00	A
	ARRUGULA	11.5737	4	8.00	A
	ASPARAGUS	30.4846	4	66.00	A
	BASIL, SWEET	363.9262	33	229.00	A
	BEAN, SUCCULENT	1.0919	1	2.00	A
	BEEF	30.4847	5	18.60	A
	BLACKBERRY	0.0853	1	0.10	A
	BLUEBERRY	22.9563	3	6.15	A

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<b>POTASH SOAP</b>					
	BOK CHOY	1.9600	2	2.00	A
		0.8327	2	24,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.7927			
	BROCCOLI	1,509.7711	87	364.67	A
	BRUSSELS SPROUT	87.3484	3	12.00	A
	CABBAGE	17.4697	1	2.00	A
	CAULIFLOWER	869.4661	47	120.51	A
	CELERIAC	5.2212	4	4.78	A
	CELERY	1,586.7383	85	467.50	A
	CHERRY	15.2860	1	7.00	A
	CHICORY	13.1023	1	1.50	A
	CHINESE GREENS	10.9186	2	15.00	A
		1.1601	2	40,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.0787			
	CHIVE	228.3724	35	231.50	A
	CITRUS	60.0520	7	16.00	A
	COLLARD	61.1439	5	7.00	A
	CORN, HUMAN CONSUMPTION	4.3675	2	16.00	A
	CUCUMBER	164.7188	22	20.50	A
		40.9870	11	40,150.00	S
	TOTAL POUNDS ON THIS COMMODITY	205.7058			
	DILL	8.9095	2	5.50	A
	EGGPLANT	7.6430	2	1.75	A
	ENDIVE (ESCAROLE)	35.9876	4	11.00	A
	GAI LON	5.8800	6	6.00	A
		0.6824	2	36,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.5624			
	GRAPE	320.6300	21	1,046.67	A
	GRAPE, WINE	3,760.4986	48	2,529.34	A
	GREENHOUSE FUMIGATION	1.2624		4,592.00	S
	HERB, SPICE	58.4177	19	25.19	A
	LANDSCAPE MAINTENANCE	2,763.7540			
	LETTUCE, HEAD	36.6864	5	42.20	A
	LETTUCE, LEAF	1,004.7808	89	295.40	A
		0.0683	1	325.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,004.8491			
	MELON	0.4827	1	0.25	A
		0.0001	2	10.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4828			
	MINT	11.8249	9	9.95	A
	N-GRNHS FLOWER	1,517.0585	163	328.45	A
		748.1076	44	1,938,677.50	S
	TOTAL POUNDS ON THIS COMMODITY	2,265.1661			
	N-GRNHS PLANTS IN CONTAINERS	1,502.5069	206	194.92	A
		683.0755	176	4,010,181.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,185.5824			
	N-GRNHS TRANSPLANTS	183.6504	36	95.61	A
		19.8240	19	213,957.00	S
	TOTAL POUNDS ON THIS COMMODITY	203.4744			
	N-OUTDR FLOWER	543.5010	45	128.86	A
		51.7670	55	179,428.00	S
	TOTAL POUNDS ON THIS COMMODITY	595.2680			
	N-OUTDR PLANTS IN CONTAINERS	5,130.5698	359	709.92	A
		351.9365	117	1,595,874.00	S
		14.3861	7	12,900.00	U
	TOTAL POUNDS ON THIS COMMODITY	5,496.8924			
	N-OUTDR TRANSPLANTS	164.9929	33	109.15	A
		117.9045	96	1,551,921.00	S
		13.1023	1	8,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	295.9997			
	PARSLEY	16.9751	15	21.43	A
	PEPPER, FRUITING	821.0748	9	155.50	A
	PLUM	43.6742	1	10.00	A
	POMEGRANATE	1,934.7666	2	40.00	A
	PUBLIC HEALTH	847.9956			
	PUMPKIN	3.8363	1	1.00	A
	RASPBERRY	90.4492	2	36.32	A

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<b>POTASH SOAP</b>					
	REGULATORY PEST CONTROL	24.3744			
		2.6444		2,250.00	S
	TOTAL POUNDS ON THIS COMMODITY	27.0188			
	RESEARCH COMMODITY	88.4155			
		4.4186	2	0.21	A
		1.8787	16	115,380.00	S
	TOTAL POUNDS ON THIS COMMODITY	94.7128			
	RIGHTS OF WAY	226.6246			
	SAGE	58.9163	25	64.00	A
	SOIL FUMIGATION/PREPLANT	34.9394	3	8.00	A
	SPINACH	16.0721	2	19.60	A
	SQUASH	105.6914	9	19.20	A
		0.0426	1	150.00	S
	TOTAL POUNDS ON THIS COMMODITY	105.7340			
	STRAWBERRY	3,489.8422	41	681.05	A
	STRUCTURAL PEST CONTROL	151.1982			
	TARRAGON	43.1064	16	40.00	A
	TOMATO	454.2116	13	728,000.00	S
		300.2941	29	318.10	A
	TOTAL POUNDS ON THIS COMMODITY	754.5057			
	UNKNOWN	223.6689	77	294.50	A
		7.1652	4	271,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	230.8341			
	VEGETABLE	1.4513	4	0.40	A
	WALNUT	0.9653	1	5.00	A
	WATERMELON	17.4698	4	4.00	A
	Chemical Total	33,546.8697	2,218		
<b>POTASSIUM BICARBONATE</b>					
	APPLE	281.8750	13	176.25	A
	APRICOT	111.5200	3	56.00	A
	ARRUGULA	24.6000	2	12.00	A
	BEAN, SUCCULENT	41.0000	2	18.00	A
	BLACKBERRY	37.7200	1	23.00	A
	BROCCOLI	111.7250	11	51.50	A
	BRUSSELS SPROUT	500.8806	23	203.61	A
	CAULIFLOWER	90.4165	14	48.49	A
	CELERY	13.1200	3	6.00	A
	CHERRY	1,156.0000	5	232.00	A
	CHICORY	403.8370	21	156.82	A
	CUCUMBER	389.0550	23	160.00	A
	DILL	2.0500	1	1.00	A
	ENDIVE (ESCAROLE)	40.3440	7	17.90	A
	GRAPE	29,249.0094	368	11,397.80	A
	GRAPE, WINE	88,369.8994	1,886	34,339.20	A
	HERB, SPICE	112.9550	66	101.92	A
	KALE	422.4333	54	256.45	A
	LANDSCAPE MAINTENANCE	76.9313			
		4.1000	2	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	81.0313			
	LETTUCE, HEAD	845.7965	52	774.35	A
		0.1476	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	845.9441			
	LETTUCE, LEAF	1,655.4819	145	1,141.27	A
	MELON	666.7625	9	184.94	A
	N-GRNHS FLOWER	1,309.3632	252	449.34	A
		530.7450	48	2,271,840.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,840.1082			
	N-GRNHS PLANTS IN CONTAINERS	367.6276	143	157.86	A
		12.0086	12	320,300.00	S
	TOTAL POUNDS ON THIS COMMODITY	379.6362			
	N-GRNHS TRANSPLANTS	71.7475	13	24.41	A
	N-OUTDR FLOWER	523.5100	127	316.71	A
	N-OUTDR PLANTS IN CONTAINERS	972.1313	54	418.02	A
		11.0290	11	19,200.00	U
		0.2050	1	1,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	983.3653			

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<b>POTASSIUM BICARBONATE</b>					
	N-OUTDR TRANSPLANTS	38.8833	25	18.81	A
	NECTARINE	1,163.8752	15	559.60	A
	ONION, GREEN	97.4324	4	42.94	A
	PARSLEY	458.9622	36	188.07	A
	PEACH	447.8820	14	209.70	A
	PEPPER, FRUITING	531.5200	8	171.00	A
	PLUM	134.4800	5	54.75	A
	PRUNE	20.9100	1	24.00	A
	PUMPKIN	19.6800	2	7.00	A
	RADISH	14.7600	1	6.00	A
	RASPBERRY	910.1262	38	407.97	A
	RESEARCH COMMODITY	69.4996			
	SAGE	4.1000	2	2.00	A
	SPINACH	952.7405	49	346.15	A
	SQUASH	266.5000	8	121.50	A
	SQUASH, SUMMER	24.6000	1	8.75	A
	STRAWBERRY	23,704.8969	370	11,033.59	A
	SWISS CHARD	32.3900	11	21.00	A
	TOMATILLO	5.3300	3	14.00	A
	TOMATO	455.8979	26	238.50	A
	UNKNOWN	9.4300	5	237,500.00	S
	VEGETABLE	0.4250	2	0.10	A
	VEGETABLES, LEAFY	0.8200	1	1.00	A
	VERTEBRATE CONTROL	31.9800	1	13.00	A
	WATERMELON	1,960.7800	14	677.00	A
	Chemical Total	159,763.9284	4,015		
<b>POTASSIUM DICHROMATE</b>					
	RICE	3.0186	1	55.50	A
	RIGHTS OF WAY	71.1114			
	Chemical Total	74.1300	1		
<b>POTASSIUM DIMETHYL DITHIO CARBAMATE</b>					
	STRUCTURAL PEST CONTROL	292.9727			
	Chemical Total	292.9727			
<b>POTASSIUM HYDROXIDE</b>					
	ALMOND	222.4703	36	3,458.30	A
	APPLE	33.7657	10	372.00	A
	AVOCADO	0.0394	1	4.00	A
	BEAN, DRIED	5.2427	1	59.50	A
	CELERY	0.0546	1	0.38	A
	COTTON	281.9033	76	4,909.00	A
	GRAPE	18.0874	15	720.00	A
	GRAPE, WINE	14.6794	2	159.52	A
	LANDSCAPE MAINTENANCE	0.3459			
	NECTARINE	0.7875	2	11.00	A
	ORANGE	5.6066	5	96.00	A
	PEACH	35.4547	5	87.00	A
	PLUM	2.2049	5	30.00	A
	WALNUT	29.8584	3	196.00	A
	Chemical Total	650.5008	162		
<b>POTASSIUM N-METHYLDITHIOCARBAMATE</b>					
	BASIL, SWEET	10,148.1390	63	107.34	A
	BEET	12,898.3107	90	137.15	A
	BOK CHOY	11,506.5203	112	121.67	A
	BRUSSELS SPROUT	74,031.1170	64	783.13	A
	CABBAGE	14,875.1911	143	154.94	A
	CARROT	122,643.7736	6	557.73	A
	CELERICAC	993.8800	7	10.25	A
	CELERY	3,235.1252	27	34.59	A
	CHICORY	992.5467	9	10.14	A
	CILANTRO	13,476.3288	73	142.88	A

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<b>POTASSIUM N-METHYLDITHIOCARBAMATE</b>					
	COLLARD	12,425.8919	69	129.27	A
	DAIKON	3,072.9214	33	31.68	A
	DANDELION GREEN	3,045.6474	43	32.18	A
	DILL	4,825.1214	45	51.14	A
	FENNEL	3,801.6214	35	39.78	A
	KALE	6,506.0711	64	67.84	A
	KOHLRABI	2,571.2604	34	26.45	A
	LEEK	4,546.5679	23	56.03	A
	LETTUCE, LEAF	34,167.9544	330	360.91	A
	MUSTARD	14,329.6787	111	149.10	A
	PARSLEY	9,023.4627	60	95.47	A
	PEPPER, FRUITING	79,401.2143	6	360.00	A
	PEPPER, SPICE	9,842.8893	3	43.00	A
	POTATO	19,571.3263	2	114.00	A
	RESEARCH COMMODITY	171.6783			
	SOIL FUMIGATION/PREPLANT	183.9820	1	2.00	A
	SPINACH	72,751.4016	67	706.70	A
	STRAWBERRY	79,544.2796	13	660.60	A
	SWEET POTATO	18,884.6131	2	55.00	A
	SWISS CHARD	16,859.8043	141	186.91	A
	TOMATO	40,759.2900	19	2,471.20	A
	TOMATO, PROCESSING	86,272.3522	28	1,667.90	A
	TURNIP	4,625.6372	55	49.29	A
	UNCULTIVATED AG	1,533.6595	2	18.00	A
	WATERMELON	57,661.2591	18	794.79	A
	Chemical Total	851,180.5179	1,798		
<b>POTASSIUM NITRATE</b>					
	ALMOND	222.4703	36	3,458.30	A
	APPLE	33.7657	10	372.00	A
	AVOCADO	0.0394	1	4.00	A
	GRAPE	16.1899	13	693.00	A
	LANDSCAPE MAINTENANCE	1.5258			
	NECTARINE	0.7875	2	11.00	A
	ORANGE	5.6066	5	96.00	A
	PEACH	35.4547	5	87.00	A
	PLUM	2.2049	5	30.00	A
	WALNUT	25.1983	2	160.00	A
	Chemical Total	343.2431	79		
<b>POTASSIUM PEROXYMONOSULFATE</b>					
	ANIMAL PREMISE	1.0200		10.00	A
	FUMIGATION, OTHER	6.1200			
	LANDSCAPE MAINTENANCE	33.1281			
	N-GRNHS PLANTS IN CONTAINERS	0.1658	1	2,500.00	S
	RIGHTS OF WAY	8.1600			
	Chemical Total	48.5939	1		
<b>POTASSIUM PHOSPHITE</b>					
	ALMOND	3,108.9967	17	1,678.70	A
	BROCCOLI	664.3156	7	250.50	A
	CHERRY	1,003.4448	12	326.00	A
	COLE CROP	1,707.2127	32	569.90	A
	GRAPE, WINE	63.3054	2	26.25	A
	LANDSCAPE MAINTENANCE	18,443.7095			
	LEMON	25.0095	1	8.00	A
	LETTUCE, HEAD	17,582.7358	526	7,076.82	A
	LETTUCE, LEAF	17,633.4772	700	6,985.04	A
	N-GRNHS FLOWER	35.5604	6	13.50	A
	N-GRNHS PLANTS IN CONTAINERS	33.8018	14	10.45	A
		30.7246	8	109,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	64.5264			
	N-GRNHS TRANSPLANTS	5.4709	4	2.00	A
	N-OUTDR FLOWER	70.3393	1	15.00	A

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>POTASSIUM PHOSPHITE</b>					
	N-OUTDR PLANTS IN CONTAINERS	1,511.8940	202	1,288.48	A
		23.1046	7	33,950.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,534.9986			
	N-OUTDR TRANSPLANTS	338.5567	10	101.08	A
	ONION, DRY	139.0494	9	43.50	A
	PEAS	350.0083	11	159.30	A
	PRUNE	125.0476	1	40.00	A
	RAPPINI	6.7213	1	6.20	A
	SPINACH	3,072.2330	133	1,555.40	A
	STRAWBERRY	78.1548	1	27.00	A
	STRUCTURAL PEST CONTROL	898.8217			
	TOMATO	312.2439	3	186.00	A
	TURF/SOD	622.1119	9	199.00	A
	WALNUT	489.2488	5	192.00	A
	Chemical Total	68,375.3002	1,722		
<b>POTASSIUM RESINATE</b>					
	LANDSCAPE MAINTENANCE	0.1476			
	Chemical Total	0.1476			
<b>PRALLETHRIN</b>					
	STRUCTURAL PEST CONTROL	0.1287			
	Chemical Total	0.1287			
<b>PRODIAMINE</b>					
	ALFALFA	0.0100	1	1.00	A
	APRICOT	0.8125	1	4.00	A
	AVOCADO	8.1250	1	10.00	A
	FORAGE HAY/SILAGE	34.1880	1	21.00	A
	GRAPE, WINE	199.0800	8	89.75	A
	LANDSCAPE MAINTENANCE	18,384.9578			
	N-GRNHS FLOWER	26.9409	9	22.72	A
	N-GRNHS PLANTS IN CONTAINERS	29.6999	69	33.66	A
		0.2438	1	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	29.9437			
	N-GRNHS TRANSPLANTS	2.5500	2	4.00	A
	N-OUTDR FLOWER	409.7433	56	293.89	A
	N-OUTDR PLANTS IN CONTAINERS	3,221.1183	1,161	4,023.45	A
		7.9581	18	900,660.00	S
	TOTAL POUNDS ON THIS COMMODITY	3,229.0764			
	N-OUTDR TRANSPLANTS	118.5416	12	240.00	A
	PUBLIC HEALTH	2.6000			
	RIGHTS OF WAY	10,355.7187			
		13.4751	1	20.00	A
	TOTAL POUNDS ON THIS COMMODITY	10,369.1938			
	STRUCTURAL PEST CONTROL	274.9052			
	TURF/SOD	33.4596	4	52.00	A
	Chemical Total	33,124.1278	1,345		
<b>PROFENOFOS</b>					
	COTTON	15,619.5836	132	11,656.60	A
	Chemical Total	15,619.5836	132		
<b>PROHEXADIONE CALCIUM</b>					
	APPLE	184.5883	35	942.54	A
	Chemical Total	184.5883	35		

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<b>PROMETON</b>					
	GRAPE, WINE	0.1022	1	4.00	A
	LANDSCAPE MAINTENANCE	1.8733			
	N-OUTDR PLANTS IN CONTAINERS	0.8985	6	166.70	A
	RIGHTS OF WAY	16.7712			
	Chemical Total	19.6452	7		
<b>PROMETRYN</b>					
	BEET	1.4531	2	1.25	A
	BROCCOLI	2.5352	1	5.10	A
	CARROT	1.9173	1	1.90	A
	CELERY	25,045.4934	1,909	19,472.01	A
		0.0545	1	1,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	25,045.5479			
	COTTON	124,026.2974	1,228	88,017.67	A
	DILL	58.7252	37	40.66	A
	FENNEL	668.1000	157	747.73	A
	GRAPE, WINE	2.9681	1	4.00	A
	LETTUCE, LEAF	22.4486	1	11.60	A
	PARSLEY	4,373.0474	297	2,513.08	A
	RADISH	0.9275	1	0.75	A
	SOIL FUMIGATION/PREPLANT	0.9986	1	11.00	A
	STRAWBERRY	31.9611	1	16.00	A
	Chemical Total	154,236.9274	3,638		
<b>PROPAMOCARB HYDROCHLORIDE</b>					
	N-GRNHS TRANSPLANTS	3.3612	9	10.04	A
		1.1728	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	4.5340			
	Chemical Total	4.5340	10		
<b>PROPANIL</b>					
	BARLEY	99.9559	1	25.00	A
	RESEARCH COMMODITY	21.9903			
	RICE	1,685,832.7348	5,258	375,968.35	A
	RIGHTS OF WAY	214.1054	1	35.70	A
	SOIL FUMIGATION/PREPLANT	2,219.3394	5	424.90	A
	UNKNOWN	611.7297	1	153.00	A
	Chemical Total	1,688,999.8555	5,266		
<b>PROPARGITE</b>					
	ALFALFA	1,471.1325	17	1,450.30	A
	ALMOND	197,708.8356	2,371	116,347.56	A
	APPLE	162.3431	2	75.00	A
	APRICOT	218.4000	6	136.50	A
	BARLEY	380.5792	4	231.80	A
	BEAN, DRIED	9,038.9215	120	4,967.56	A
	BEAN, SUCCULENT	3,188.6202	29	1,672.60	A
	BEAN, UNSPECIFIED	3,935.5596	39	2,234.60	A
	CARROT	215.6890	14	135.30	A
	CHERRY	17,950.2779	449	10,215.67	A
	CLOVER	2,039.1295	27	1,257.90	A
	CORN (FORAGE - FODDER)	386,033.4545	4,011	190,861.45	A
	CORN, HUMAN CONSUMPTION	32,361.1865	389	16,189.73	A
	COTTON	106,403.4640	1,196	69,201.77	A
	GRAPE	60,848.7056	955	34,996.53	A
	GRAPE, WINE	49,499.8208	432	25,484.98	A
	MINT	4,688.8319	70	3,082.60	A
	N-OUTDR PLANTS IN CONTAINERS	2,727.2864	51	1,603.08	A
	N-OUTDR TRANSPLANTS	105.4507	7	80.93	A
	NECTARINE	10,108.0613	312	5,221.64	A
	OAT	81.1928	1	32.70	A
	ORANGE	110.7060	5	71.00	A
	PEACH	1,033.4086	35	650.38	A
	PLUM	430.8960	17	275.14	A



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<b>PROPARGITE</b>					
	PRUNE	146.0533	4	121.00	A
	PUMPKIN	20.7287	2	11.00	A
	RESEARCH COMMODITY	5.7465			
	RIGHTS OF WAY	3.0551			
	SOIL FUMIGATION/PREPLANT	176.0219	4	202.00	A
	STRAWBERRY	11.2000	2	14.00	A
	UNCULTIVATED AG	63.3500	2	38.50	A
	WALNUT	119,473.4880	1,750	56,744.58	A
	WHEAT (FORAGE - FODDER)	230.6643	3	120.10	A
	Chemical Total	1,010,872.2610	12,326		
<b>PROPAZINE</b>					
	LETTUCE, LEAF	0.0409	1	1.00	A
	Chemical Total	0.0409	1		
<b>PROPETAMPHOS</b>					
	LANDSCAPE MAINTENANCE	0.9894			
	REGULATORY PEST CONTROL	0.0294			
	STRUCTURAL PEST CONTROL	314.2592			
	Chemical Total	315.2780			
<b>PROPICONAZOLE</b>					
	ALMOND	6.3926	2	87.00	A
	APRICOT	444.6236	206	3,890.26	A
		0.0023	1	4.00	U
	TOTAL POUNDS ON THIS COMMODITY	444.6259			
	BARLEY	79.2409	8	710.00	A
	CELERY	2,532.7742	1,502	22,714.77	A
	CHERRY	309.2868	119	2,595.25	A
	GRAPE, WINE	1.6697	1	40.00	A
	LANDSCAPE MAINTENANCE	6,865.0201			
	LUMBER, TREATED	346.1661		1,073,227.00	U
	N-GRNHS FLOWER	16.6472	69	198.90	A
		0.5277	3	38,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	17.1749			
	N-GRNHS PLANTS IN CONTAINERS	20.9798	94	142.98	A
		8.1000	77	1,966,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	29.0798			
	N-GRNHS TRANSPLANTS	9.3974	72	110.01	A
		0.8847	21	290,439.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.2821			
	N-OUTDR FLOWER	194.6293	459	2,091.20	A
	N-OUTDR PLANTS IN CONTAINERS	573.8383	892	5,260.86	A
		4.4751	36	584,975.50	S
	TOTAL POUNDS ON THIS COMMODITY	578.3134			
	N-OUTDR TRANSPLANTS	8.1913	28	2,615,600.00	S
		3.1107	35	23.18	A
	TOTAL POUNDS ON THIS COMMODITY	11.3020			
	NECTARINE	1,750.9233	1,426	16,198.20	A
	ORANGE	1.1042	1	10.00	A
	PEACH	2,864.4176	1,941	26,315.51	A
	PLUM	1,176.3526	698	10,167.79	A
	PRUNE	205.7322	51	1,848.10	A
	RESEARCH COMMODITY	0.8070			
		0.1669	1	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.9739			
	RIGHTS OF WAY	5.9709			
		0.8926	1	2.00	A
	TOTAL POUNDS ON THIS COMMODITY	6.8635			
	STRUCTURAL PEST CONTROL	7.9191			
	TURF/SOD	233.6359	45	759.16	A
	WHEAT	880.6332	82	7,769.20	A
	WHEAT (FORAGE - FODDER)	21.8174	2	196.00	A
	Chemical Total	18,576.3307	7,873		

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<b>PROPIONIC ACID</b>					
	ALFALFA	3,422.4703	978	97,677.63	A
	ALMOND	2,586.1082	304	20,796.47	A
	APPLE	21.8468	18	204.60	A
	APRICOT	28.1903	13	144.99	A
	ARTICHOKE, GLOBE	34.3663	11	290.00	A
	ASPARAGUS	109.2090	9	915.00	A
	AVOCADO	77.9982	149	590.50	A
	BARLEY	12.4985	5	375.00	A
	BEAN, DRIED	34.1954	9	420.00	A
	BEAN, SUCCULENT	197.4991	38	688.50	A
	BEAN, UNSPECIFIED	1.7721	1	37.50	A
	BERMUDAGRASS	4.5053	3	155.00	A
	BOK CHOY	0.9583	9	30.20	A
	BROCCOLI	3,420.7459	1,076	19,873.99	A
	CABBAGE	191.5058	216	1,967.33	A
	CANOLA (RAPE)	0.8560	5	71.00	A
	CANTALOUPE	447.9239	58	4,956.50	A
	CARROT	77.7760	23	1,382.55	A
	CAULIFLOWER	346.4440	220	3,406.50	A
	CELERY	542.3812	417	5,822.16	A
	CHERRY	21.9447	7	112.04	A
	CHICORY	0.4806	1	5.00	A
	CHINESE CABBAGE (NAPPA)	5.9630	11	65.60	A
	CORN (FORAGE - FODDER)	110.6808	12	1,050.13	A
	CORN, HUMAN CONSUMPTION	1,734.5146	310	13,251.00	A
	COTTON	21,888.1488	1,981	343,353.83	A
	DATE	2.4967	1	20.00	A
	DITCH BANK	3.7545	6	10.00	A
	EGGPLANT	16.7073	5	95.00	A
	FIG	1.6820	1	9.00	A
	FORAGE HAY/SILAGE	16.7823	4	341.00	A
	GARLIC	33.2718	6	615.00	A
	GRAPE	1,116.9652	252	8,895.44	A
	GRAPE, WINE	5,268.9209	2,265	32,877.78	A
	GRAPEFRUIT	72.8360	8	120.00	A
	HORSERADISH	12.0442	3	200.00	A
	KALE	1.2951	7	15.40	A
	KIWI	31.9127	1	40.00	A
	LANDSCAPE MAINTENANCE	501.0503			
	LEMON	919.5640	36	1,436.00	A
	LETTUCE, HEAD	219.7846	178	2,253.15	A
	LETTUCE, LEAF	80.4977	137	1,798.17	A
	MELON	91.2778	8	878.50	A
	MINT	196.9578	41	1,885.69	A
	N-GRNHS FLOWER	293.7597	438	1,126.78	A
	N-GRNHS PLANTS IN CONTAINERS	48.6755	90	61.81	A
	N-GRNHS TRANSPLANTS	7.2931	62	47.03	A
	N-OUTDR FLOWER	519.7686	708	2,909.97	A
	N-OUTDR PLANTS IN CONTAINERS	698.2584	777	1,798.19	A
	N-OUTDR TRANSPLANTS	8.0913	90	26.39	A
	NECTARINE	580.5129	182	3,485.48	A
	OAT	7.5089	1	40.00	A
	OLIVE	13.2299	7	235.83	A
	ONION, DRY	295.6551	95	5,614.45	A
	ORANGE	2,828.2510	176	8,995.81	A
	PASTURELAND	123.1905	10	1,670.00	A
	PEACH	738.9326	158	3,259.40	A
	PEAR	56.7012	21	749.25	A
	PEAS	25.3847	5	132.00	A
	PEPPER, FRUITING	397.1148	114	3,307.00	A
	PEPPER, SPICE	21.1975	5	218.20	A
	PISTACHIO	282.2398	19	2,782.00	A
	PLUM	192.8408	44	913.24	A
	POTATO	268.8228	45	2,943.45	A
	POULTRY	6.0467		10.00	A
	PRUNE	3.0036	2	16.00	A
	QUINCE	3.3940	2	24.00	A
	RANGELAND	149.3064	8	1,701.00	A

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<b>PROPIONIC ACID</b>					
	RASPBERRY	10.6676	18	102.00	A
	REGULATORY PEST CONTROL	110.2002			
	RIGHTS OF WAY	3,141.2607			
		4.6930	5	9.19	A
	TOTAL POUNDS ON THIS COMMODITY	3,145.9537			
	RYEGRASS	0.8110	1	350.00	A
	SOIL FUMIGATION/PREPLANT	202.4091	38	6,125.50	A
	SQUASH, SUMMER	2.6281	1	20.00	A
	STRAWBERRY	3,283.0556	559	19,868.45	A
	STRUCTURAL PEST CONTROL	3.4241			
	SUDANGRASS	99.3865	13	1,502.60	A
	SUGARBEET	35.4719	6	485.00	A
	TANGELO	4.1234	2	15.00	A
	TOMATO	574.3271	77	3,349.50	A
	TOMATO, PROCESSING	5,405.8988	466	63,588.00	A
	TURF/SOD	26.0183	6	198.00	A
	UNCULTIVATED AG	513.0850	74	15,727.17	A
	UNCULTIVATED NON-AG	23.1574	4	134.00	A
	WALNUT	35.7933	10	363.19	A
	WATER AREA	2.0649	3	4.00	A
	WATERMELON	220.7007	16	1,034.00	A
	WHEAT	157.8104	55	4,571.00	A
	Chemical Total	65,334.9509	13,256		
<b>PROPOXUR</b>					
	LANDSCAPE MAINTENANCE	2.1146			
	N-GRNHS FLOWER	0.0004	1	1.00	A
	N-OUTDR FLOWER	0.0350	2	6.00	A
	PUBLIC HEALTH	3.2165			
	RIGHTS OF WAY	0.0538			
	STRUCTURAL PEST CONTROL	217.7284			
	VERTEBRATE CONTROL	0.0041			
	Chemical Total	223.1528	3		
<b>PROPYLENE GLYCOL</b>					
	ALFALFA	845.5111	592	32,030.49	A
	ALMOND	11,265.1402	2,577	141,817.44	A
	ANIMAL PREMISE	0.8978		9.00	A
	APPLE	2,380.5656	567	17,036.60	A
	APRICOT	163.2689	74	2,029.50	A
	ASPARAGUS	41.4883	70	2,278.03	A
	AVOCADO	59.1754	294	2,282.82	A
	BARLEY	4.8191	4	209.00	A
	BEAN, DRIED	176.6752	211	12,774.00	A
	BEAN, SUCCULENT	156.6979	143	7,655.46	A
	BEAN, UNSPECIFIED	4.2103	3	117.00	A
	BLUEBERRY	3.4900	3	40.00	A
	BROCCOLI	40.8349	140	2,578.24	A
	CABBAGE	0.4984	3	14.30	A
	CANTALOUPE	23.9591	24	1,820.40	A
	CARROT	17.5795	17	401.00	A
	CAULIFLOWER	48.0486	57	987.30	A
	CELERY	30.9645	138	1,512.05	A
	CHERRY	1,162.9433	455	8,683.36	A
	CHICORY	0.1798	2	3.40	A
	CITRUS	5.0279	7	89.00	A
	CLOVER	12.7765	4	335.50	A
	COMMODITY FUMIGATION	1.5997			
	CORN (FORAGE - FODDER)	883.7186	446	22,755.43	A
	CORN, HUMAN CONSUMPTION	521.5913	350	15,442.82	A
	COTTON	2,319.4377	812	60,319.13	A
	CUCUMBER	2.7906	6	180.60	A
	FORAGE HAY/SILAGE	22.1699	10	492.50	A
	GRAIN	0.7999	1	40.00	A

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<b>PROPYLENE GLYCOL</b>					
	GRAPE	2,037.2265	702	32,757.93	A
	GRAPE, WINE	6,684.5382	5,611	122,203.37	A
		14.3956	15	212.00	U
	TOTAL POUNDS ON THIS COMMODITY	6,698.9338			
	GRAPEFRUIT	30.9385	210	2,014.00	A
	KALE	0.1120	6	18.94	A
	KIWI	1.7326	1	6.00	A
	LANDSCAPE MAINTENANCE	50.9047			
	LEMON	100.5475	37	689.80	A
	LETTUCE, HEAD	121.7789	408	5,100.59	A
	LETTUCE, LEAF	124.1578	445	4,987.99	A
	MELON	34.0890	39	3,963.90	A
	N-GRNHS FLOWER	18.8730	33	124.00	A
	N-GRNHS PLANTS IN CONTAINERS	10.6437	3	68.30	A
		0.7289	10	43,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	11.3726			
	N-OUTDR FLOWER	621.8619	1,329	5,423.08	A
	N-OUTDR PLANTS IN CONTAINERS	343.1177	655	3,898.48	A
		1.7269	1	364,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	344.8446			
	N-OUTDR TRANSPLANTS	211.7614	120	3,926.46	A
	NECTARINE	151.9742	112	1,382.84	A
	OAT	7.8865	5	274.00	A
	OAT (FORAGE - FODDER)	38.0816	26	1,651.50	A
	OLIVE	199.8982	86	1,498.70	A
		4.4027	122	6,359.00	U
	TOTAL POUNDS ON THIS COMMODITY	204.3009			
	ONION, DRY	137.3407	123	4,489.12	A
	ORANGE	2,791.5083	760	14,260.28	A
	PASTURELAND	0.3299	2	16.50	A
	PEACH	1,234.1879	814	16,782.47	A
	PEAR	220.5213	121	3,872.20	A
	PEAS	20.8869	7	198.00	A
	PECAN	6.2895	3	57.00	A
	PEPPER, FRUITING	29.0190	15	436.34	A
	PISTACHIO	1,204.0273	78	7,169.27	A
	PLUM	106.6386	65	858.43	A
	POMEGRANATE	188.2705	31	4,649.56	A
	POTATO	15.6234	84	2,082.20	A
	PRUNE	186.7048	148	5,463.30	A
	PUMPKIN	1.9910	7	114.00	A
	RANGELAND	30.1299	9	526.00	A
	RAPPINI	2.9351	6	130.80	A
	REGULATORY PEST CONTROL	7.6293			
	RICE	1,737.9798	1,372	97,721.90	A
	RIGHTS OF WAY	309.2750			
	SAFFLOWER	0.3982	1	75.00	A
	SOIL FUMIGATION/PREPLANT	23.4243	20	903.00	A
	SORGHUM (FORAGE - FODDER)	1.6287	3	20.00	A
	SORGHUM/MILO	2.3068	17	414.80	A
	SOYBEAN	2.3653	2	243.00	A
	SPINACH	0.3703	1	7.00	A
	SQUASH	4.2729	6	202.60	A
	SQUASH, WINTER	2.4891	1	37.00	A
	STRAWBERRY	549.6020	188	5,154.50	A
	STRUCTURAL PEST CONTROL	3.8461			
	SUDANGRASS	13.6576	18	528.00	A
	SUGARBEET	32.2250	35	2,760.80	A
	SUNFLOWER	20.8678	24	1,464.30	A
	TANGELO	45.3972	17	235.00	A
	TANGERINE	43.1813	14	485.00	A
	TOMATO	76.4069	72	2,757.77	A
	TOMATO, PROCESSING	697.6879	523	35,746.50	A
	UNCULTIVATED AG	71.9780	77	4,440.80	A
	UNCULTIVATED NON-AG	0.3147	1	14.00	A
	UNKNOWN	3.4735	2	59.00	A
	WALNUT	3,288.5145	1,341	34,826.29	A
	WATERMELON	15.7946	16	672.70	A

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Chemical	Commodity	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
<b>PROPYLENE GLYCOL</b>					
	WHEAT	49.6985	68	3,457.90	A
	WHEAT (FORAGE - FODDER)	23.4691	14	719.00	A
	Chemical Total	44,212.8965	23,092		
<b>PROPYLENE GLYCOL, METHYL ETHER</b>					
	ALFALFA	106.4147	85	5,203.50	A
	ALMOND	130.8577	187	7,744.32	A
	ASPARAGUS	29.1916	17	958.80	A
	BEAN, DRIED	2.7222	9	249.00	A
	BEAN, SUCCULENT	1.5489	2	40.00	A
	BEAN, UNSPECIFIED	0.1588	1	44.00	A
	BROCCOLI	1.9555	59	642.52	A
	CANTALOUPE	3.5818	3	264.00	A
	CAULIFLOWER	0.3369	11	109.00	A
	CELERY	1.4830	48	472.60	A
	CHERRY	19.0484	12	442.00	A
	CORN (FORAGE - FODDER)	44.7278	41	2,387.50	A
	CORN, HUMAN CONSUMPTION	1.3591	2	77.00	A
	COTTON	48.3048	140	7,208.60	A
	CUCUMBER	0.5421	3	139.00	A
	GRAPE	65.9571	62	1,713.00	A
	GRAPE, WINE	7.4026	11	311.50	A
	KALE	0.0329	4	9.85	A
	LETTUCE, HEAD	0.4298	12	129.60	A
	LETTUCE, LEAF	0.0310	1	9.80	A
	N-OUTDR PLANTS IN CONTAINERS	5.5585	42	1,298.00	A
	OAT	2.7919	7	341.90	A
	OAT (FORAGE - FODDER)	0.6544	8	269.00	A
	OLIVE	1.0407	9	48.00	A
	ORANGE	18.0096	5	182.50	A
	PEACH	3.6181	17	160.05	A
	PISTACHIO	7.4772	8	275.65	A
	POTATO	15.2449	20	962.83	A
	PRUNE	14.1819	15	321.20	A
	RICE	24.8169	14	1,513.40	A
	RIGHTS OF WAY	1.8728			
	SOIL FUMIGATION/PREPLANT	2.1375	3	182.00	A
	SORGHUM (FORAGE - FODDER)	3.4463	3	178.00	A
	SQUASH, SUMMER	0.4259	1	11.00	A
	SUDANGRASS	0.4221	3	73.00	A
	SUGARBEET	2.9816	2	308.00	A
	TOMATO	9.3746	79	3,725.10	A
	TOMATO, PROCESSING	12.9332	32	2,530.00	A
	UNCULTIVATED AG	1.4463	12	148.00	A
	WALNUT	45.8042	123	2,202.46	A
	WATER AREA	0.1162	1	3.00	A
	WHEAT	11.7134	19	1,787.00	A
	WHEAT (FORAGE - FODDER)	14.3465	20	939.92	A
	Chemical Total	666.5014	1,153		
<b>PROPYLENE OXIDE</b>					
	ALMOND	50,382.0000		1,603,542.30	U
		7,892.2327		2,094,299.00	P
	TOTAL POUNDS ON THIS COMMODITY	58,274.2327			
	COMMODITY FUMIGATION	49,216.0458			
	PISTACHIO	1,190.0000		337,200.00	P
	STRUCTURAL PEST CONTROL	20,822.0818			
	WALNUT	8,532.0000		1,056,687.50	U
		6,306.5497		2,037,000.00	P
		3,795.0000		150,150.00	C
		3,348.0000		940,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	21,981.5497			
	Chemical Total	151,483.9100			

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<b>PROPYZAMIDE</b>					
	ALFALFA	358.3566	8	463.00	A
	APPLE	9.1800	1	8.00	A
	ARRUGULA	1.2500	1	0.66	A
	ARTICHOKE, GLOBE	1,751.5542	117	1,263.35	A
	BOK CHOY	21.6750	6	17.00	A
	BROCCOLI	38.1480	5	62.70	A
	CARROT	0.5000	1	0.25	A
	CHICORY	1,141.5846	150	1,403.03	A
	CLOVER	253.1130	11	275.90	A
	ENDIVE (ESCAROLE)	1,444.0246	431	1,347.87	A
	GRAPE, WINE	12.6225	1	69.44	A
	LANDSCAPE MAINTENANCE	4,001.5697			
	LETTUCE, HEAD	54,764.5599	5,468	76,816.78	A
	LETTUCE, LEAF	54,331.8274	6,718	65,048.78	A
	MUSTARD	33.4560	2	16.40	A
	N-OUTDR FLOWER	0.3825	1	0.25	A
	N-OUTDR PLANTS IN CONTAINERS	1.5300	1	16.00	A
	N-OUTDR TRANSPLANTS	22.6950	7	74.50	A
	RESEARCH COMMODITY	27.8830			
		4.0800	1	137.00	A
	TOTAL POUNDS ON THIS COMMODITY	31.9630			
	RIGHTS OF WAY	87.9750			
	SOIL FUMIGATION/PREPLANT	25.9590	5	19.20	A
	SPINACH	15.0450	3	23.50	A
	STRUCTURAL PEST CONTROL	3.5700			
	SWISS CHARD	0.3453	1	6.45	A
	TURF/SOD	652.9377	28	482.59	A
	TURNIP	2.0000	2	1.32	A
	UNKNOWN	14.2800	2	28.90	A
	VEGETABLES, LEAFY	2.0000	2	1.32	A
	VERTEBRATE CONTROL	11.0160	2	15.80	A
	Chemical Total	119,035.1200	12,975		
<b>PSEUDOMONAS FLUORESCENS, STRAIN A506</b>					
	APPLE	27.4503	15	132.45	A
	GRAPE, WINE	8.8750	2	28.00	A
	N-OUTDR PLANTS IN CONTAINERS	1.8638	1	6.00	A
	PEACH	0.4430	3	2.00	A
	PEAR	801.8705	193	6,390.20	A
	Chemical Total	840.5026	214		
<b>PSEUDOMONAS SYRINGAE STRAIN ESC-11</b>					
	STRUCTURAL PEST CONTROL	20.1000			
	Chemical Total	20.1000			
<b>PUTRESCENT WHOLE EGG SOLIDS</b>					
	LANDSCAPE MAINTENANCE	8.8356			
	STRUCTURAL PEST CONTROL	101.2177			
	Chemical Total	110.0533			
<b>PYMETROZINE</b>					
	BEAN, SUCCULENT	0.0625	1	3.00	A
	BOK CHOY	1.9143	20	23.59	A
	BROCCOLI	588.3543	503	7,009.86	A
	BRUSSELS SPROUT	26.8175	33	316.00	A
	CABBAGE	10.8103	18	125.90	A
	CANTALOUPE	36.4050	12	506.60	A
	CAULIFLOWER	43.8281	49	511.69	A
	CELERY	171.6743	215	2,029.50	A
	CHICORY	34.2995	33	406.80	A
	CHINESE CABBAGE (NAPPA)	4.1653	18	48.52	A
	COLLARD	0.3582	2	4.36	A
	COTTON	36.2638	3	422.00	A
	CUCUMBER	31.6816	24	368.80	A

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<b>PYMETROZINE</b>					
	DANDELION GREEN	0.1315	2	1.68	A
	EGGPLANT	1.4610	1	17.00	A
	ENDIVE (ESCAROLE)	2.9539	21	35.31	A
	FENNEL	1.7200	2	20.00	A
	GRAPE, WINE	0.6188	1	7.20	A
	KALE	30.8789	60	367.50	A
	KOHLRABI	0.0722	2	0.87	A
	LANDSCAPE MAINTENANCE	1.8392			
	LETTUCE, HEAD	892.6942	799	10,472.22	A
	LETTUCE, LEAF	1,630.8893	1,989	19,147.36	A
	MELON	22.8369	11	486.00	A
	MUSTARD	1.7649	13	21.20	A
	N-GRNHS FLOWER	309.4988	778	1,575.75	A
		49.7209	97	4,649,320.00	S
		0.1563	1	10,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	359.3760			
	N-GRNHS PLANTS IN CONTAINERS	110.3615	449	715.81	A
		31.2074	183	6,138,809.00	S
	TOTAL POUNDS ON THIS COMMODITY	141.5689			
	N-GRNHS TRANSPLANTS	13.4518	156	4,016,250.00	S
		2.5439	16	11.41	A
	TOTAL POUNDS ON THIS COMMODITY	15.9957			
	N-OUTDR FLOWER	109.2220	219	735.69	A
		7.6095	22	927,420.00	S
	TOTAL POUNDS ON THIS COMMODITY	116.8315			
	N-OUTDR PLANTS IN CONTAINERS	249.8193	415	1,072.07	A
		28.6850	94	6,456,505.00	S
		0.0203	1	3,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	278.5246			
	N-OUTDR TRANSPLANTS	219.7193	156	1,578.92	A
		3.9651	19	806,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	223.6844			
	PARSLEY	1.0304	3	12.13	A
	PEPPER, FRUITING	38.3076	18	470.65	A
	PEPPER, SPICE	0.8594	2	10.00	A
	POTATO	109.1202	23	1,299.00	A
	PUMPKIN	80.5104	28	938.98	A
	RAPPINI	70.7077	71	820.22	A
	RESEARCH COMMODITY	1.0745	4	50.50	A
		0.9215			
	TOTAL POUNDS ON THIS COMMODITY	1.9960			
	SPINACH	40.1694	54	461.55	A
	SQUASH	41.8751	43	443.74	A
	SQUASH, SUMMER	21.8381	40	254.11	A
	SQUASH, WINTER	16.1600	5	188.00	A
	STRUCTURAL PEST CONTROL	0.0188			
	SWISS CHARD	8.7129	68	108.10	A
	TOMATO	23.4446	20	243.40	A
	TURNIP	0.8216	5	10.20	A
	UNKNOWN	0.1289	1	1.50	A
	WATERMELON	83.4245	31	1,174.10	A
	Chemical Total	5,249.6022	6,854		
<b>PYRACLOSTROBIN</b>					
	ALMOND	6,217.4148	1,330	74,064.06	A
	APRICOT	241.7873	122	2,727.67	A
	BEAN, DRIED	34.4783	10	265.00	A
	BEEF	2.0380	6	12.25	A
	BERMUDAGRASS	500.3453	51	3,608.00	A
	BLACKBERRY	9.2525	10	72.98	A
	BLUEBERRY	65.9126	12	368.00	A
	CANTALOUPE	424.9380	28	2,319.30	A
	CARROT	3,384.6432	360	24,732.45	A
	CELERIAC	0.5000	1	5.00	A
	CHERRY	1,265.1814	488	11,133.12	A
	CHESTNUT	3.4000	3	34.00	A
	CITRUS	11.7440	7	101.00	A

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<b>PYRACLOSTROBIN</b>					
	COTTON	4.8808	1	50.00	A
	CUCUMBER	111.4141	41	788.26	A
	EGGPLANT	4.0000	3	40.00	A
	GARLIC	204.2100	10	1,355.40	A
	GRAPE	4,624.7695	1,395	62,621.28	A
	GRAPE, WINE	6,937.2104	3,077	84,954.61	A
	LANDSCAPE MAINTENANCE	375.4213			
	LEEK	7.2623	12	63.50	A
	LEMON	7.0708	3	29.00	A
	LETTUCE, LEAF	2.8520	1	19.00	A
	MELON	342.9600	40	2,160.60	A
	N-GRNHS TRANSPLANTS	0.2474	8	1.95	A
	N-OUTDR PLANTS IN CONTAINERS	5.2092	9	62.94	A
	N-OUTDR TRANSPLANTS	95.3057	59	626.19	A
	NECTARINE	92.3111	86	1,082.63	A
	OAT	127.2337	1	13.00	A
	ONION, DRY	585.0178	191	4,622.74	A
	ONION, GREEN	3.9543	4	26.50	A
	ORANGE	2.9606	1	20.00	A
	PEACH	524.6412	291	6,252.96	A
	PEPPER, FRUITING	1,861.6382	393	10,485.46	A
	PEPPER, SPICE	90.5000	29	468.50	A
	PISTACHIO	5,800.6792	704	48,321.62	A
	PLUM	40.4233	56	462.66	A
	POTATO	387.1326	41	2,886.76	A
	PRUNE	136.1283	19	1,527.80	A
	PUMPKIN	164.3600	53	1,154.44	A
	RADISH	45.9960	38	227.98	A
	RASPBERRY	38.0615	22	263.40	A
	RESEARCH COMMODITY	0.3000			
	SOIL FUMIGATION/PREPLANT	55.8700	5	401.60	A
	SQUASH	210.1880	66	1,220.21	A
	SQUASH, SUMMER	16.7000	13	103.00	A
	STRAWBERRY	7,150.8474	1,494	44,927.53	A
	SUGARBEET	312.8907	30	2,002.90	A
	SUGARBEET (FORAGE - FODDER)	62.2194	5	332.00	A
	TANGERINE	45.8840	26	327.94	A
	TOMATILLO	18.3190	11	109.96	A
	TOMATO	2,699.8839	341	17,645.15	A
	TOMATO, PROCESSING	8,177.3303	818	58,158.63	A
	TURF/SOD	0.4800		55,000.00	S
	VERTEBRATE CONTROL	6.4000			
	WALNUT	2.4000	3	26.75	A
	WATERMELON	505.6687	77	3,082.90	A
	WHEAT	1,584.7691	136	14,549.00	A
	WHEAT (FORAGE - FODDER)	256.6360	52	2,186.62	A
	Chemical Total	55,892.2732	12,093		
<b>PYRAZON</b>					
	BEET	3.2500	1	1.00	A
	GRAPE, WINE	128.7000	3	53.00	A
	SUGARBEET	5,115.3895	26	2,836.77	A
	SUGARBEET (FORAGE - FODDER)	576.8750	13	526.00	A
	Chemical Total	5,824.2145	43		
<b>PYRAZON, OTHER RELATED</b>					
	GRAPE, WINE	20.7900	3	53.00	A
	Chemical Total	20.7900	3		
<b>PYRETHRINS</b>					
	ALMOND	2.0309	2	67.00	A
	ANIMAL PREMISE	26.0370		147.00	U
		20.9713		201.67	A
		15.7635		357,381.60	S
TOTAL POUNDS ON THIS COMMODITY		62.7718			



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<b>PYRETHRINS</b>					
	APPLE	0.4817	7	31.24	A
	APRICOT	2.9512	5	96.90	A
	ARRUGULA	0.6465	25	51.19	A
		0.0084	1	800.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6549			
	ARTICHOKE, GLOBE	22.8728	179	1,200.23	A
	ASPARAGUS	4.2836	4	120.00	A
	AVOCADO	14.8442	4	1,216.00	A
	BASIL, SWEET	5.1520	131	494.70	A
	BEAN, SUCCULENT	1.8381	13	83.63	A
	BEAN, UNSPECIFIED	0.2240	4	12.75	A
	BEET	0.3624	44	29.47	A
	BLACKBERRY	1.1562	24	89.40	A
	BLUEBERRY	2.3160	2	80.15	A
	BOK CHOY	0.5935	32	50.23	A
	BROCCOLI	37.0309	168	1,163.81	A
	BUILDINGS/NON-AG OUTDOOR	0.3070	4	40.00	A
	CABBAGE	2.8178	13	58.90	A
		0.0757	9	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.8935			
	CAULIFLOWER	18.3194	130	609.45	A
	CELERY	34.5687	223	1,408.90	A
	CHERIMOYA	0.0115	1	1.00	A
	CHERRY	0.5239	3	38.00	A
	CHERVIL	0.0365	8	14.00	A
	CHICORY	10.2930	45	293.30	A
	CHINESE CABBAGE (NAPPA)	3.7622	93	310.22	A
	CHINESE GREENS	0.1195	2	4.50	A
	CHIVE	2.7073	58	309.31	A
	CILANTRO	2.0085	47	206.69	A
	CITRUS	9.8897	11	216.50	A
	COLLARD	1.7702	32	213.81	A
	COMMODITY FUMIGATION	11.4063			
	CORN (FORAGE - FODDER)	0.6344	1	20.00	A
	CUCUMBER	3.6257	65	159.01	A
	DAIKON	0.1231	17	13.50	A
	DANDELION GREEN	0.0055	2	0.52	A
	DILL	3.0578	59	220.79	A
	DRIED FRUIT	1.3994		515,200.00	C
	EGGPLANT	0.1225	11	7.90	A
	ENDIVE (ESCAROLE)	3.3947	61	199.86	A
	FOOD PROCESSING PLANT	11.0850		38,970.00	K
		5.1476		3,237,820.00	C
		2.4283		238.00	A
		0.0047		1,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	18.6656			
	FUMIGATION, OTHER	79.1639			
	GAI LON	0.0037	1	12,000.00	S
	GRAPE	267.0351	198	6,937.70	A
	GRAPE, WINE	67.5585	194	2,586.45	A
		0.0076	1	2.21	S
	TOTAL POUNDS ON THIS COMMODITY	67.5661			
	HERB, SPICE	16.7701	314	435.84	A
		0.0910	8	382,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	16.8611			
	INDUSTRIAL SITE	1.1525		8,851.00	C
		1.1505		89,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.3030			
	KALE	0.8268	71	93.18	A
	LANDSCAPE MAINTENANCE	470.6804			
	LEEK	0.0564	2	4.59	A
	LEMON	124.2722	157	4,897.14	A
		16.6840	8	8.00	U
	TOTAL POUNDS ON THIS COMMODITY	140.9562			
	LETTUCE, HEAD	41.5817	244	2,361.78	A
		0.0084	1	200.00	S
		0.0008	1	4,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	41.5909			

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<b>PYRETHRINS</b>					
	LETTUCE, LEAF	220.9223	1,082	10,442.06	A
		0.0168	2	3,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	220.9391			
	LIVESTOCK	5.1130		2,259,200.00	C
	MELON	0.5812	10	16.93	A
	MINT	1.8793	48	161.59	A
	MIZUNA	0.9575	23	81.00	A
		0.0084	1	300.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.9659			
	MUSHROOM	0.3100	2	96,740.00	S
	MUSTARD	5.7101	72	458.16	A
		0.0084	1	300.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.7185			
	N-GRNHS FLOWER	2.7222	142	256.22	A
		0.1109	8	362,860.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.8331			
	N-GRNHS PLANTS IN CONTAINERS	2.3773	57	70.04	A
		1.1135	67	1,055,272.00	S
	TOTAL POUNDS ON THIS COMMODITY	3.4908			
	N-GRNHS TRANSPLANTS	2.1019	261	149.00	A
		0.0639	8	93,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	2.1658			
	N-OUTDR FLOWER	6.5504	73	248.49	A
		0.4926	10	588,060.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.0430			
	N-OUTDR PLANTS IN CONTAINERS	53.3928	695	1,304.90	A
		0.2361	9	143,726.70	S
		0.0062	3	3,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	53.6351			
	N-OUTDR TRANSPLANTS	8.8197	200	335.16	A
		0.4036	56	1,317,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	9.2233			
	NECTARINE	0.3422	4	27.25	A
	OLIVE	0.1046	4	2.06	A
	ONION, DRY	9.8928	21	511.50	A
	ONION, GREEN	8.9961	62	426.26	A
	ORANGE	19.1112	25	661.80	A
	PARSLEY	2.3126	15	94.22	A
	PEACH	2.9200	18	90.25	A
	PEAR	0.3046	2	11.00	A
	PEAS	7.6105	107	1,107.30	A
	PECAN	0.5451	1	10.00	A
	PEPPER, FRUITING	10.3760	30	324.65	A
	PERSIMMON	0.0440	2	5.50	A
	PLUM	1.7532	13	90.20	A
	POMEGRANATE	55.1223	31	5,959.51	A
	POTATO	37.9631	34	1,069.49	A
	POULTRY	4.0500		35.00	A
	PUBLIC HEALTH	3,242.2461			
	PUMPKIN	7.4979	7	170.00	A
	RADISH	0.9538	5	29.50	A
	RAPPINI	6.1731	17	411.70	A
	RASPBERRY	5.4584	26	241.50	A
	REGULATORY PEST CONTROL	0.3400			
		0.0013		0.30	A
	TOTAL POUNDS ON THIS COMMODITY	0.3413			
	RESEARCH COMMODITY	2.2514			
		0.0400	2	5,400.00	S
		0.0191	1	0.25	A
	TOTAL POUNDS ON THIS COMMODITY	2.3105			
	RIGHTS OF WAY	4.2061			
	SAGE	0.5327	15	58.25	A
	SPINACH	52.7222	752	5,250.60	A
		0.0084	1	200.00	S
	TOTAL POUNDS ON THIS COMMODITY	52.7306			
	SQUASH	1.3086	25	51.58	A
	SQUASH, WINTER	0.5413	6	27.00	A
	SQUASH, ZUCCHINI	0.1534	6	5.00	A

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<b>PYRETHRINS</b>					
	STORAGE AREA/BOX	11.1853		5,618,515.00	C
		6.4153		8,896.80	K
		0.9882		100,000.00	S
		0.3953		1,500.00	T
	TOTAL POUNDS ON THIS COMMODITY	18.9841			
	STRAWBERRY	116.2223	184	3,840.29	A
	STRUCTURAL PEST CONTROL	3,729.2970			
	SWISS CHARD	0.7741	102	44.41	A
	TANGERINE	0.0362	1	5.00	A
	TARRAGON	0.8077	38	90.32	A
		0.0000	1	14.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.8077			
	TOMATO	338.5578	143	5,761.55	A
		0.9118	7	392,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	339.4696			
	TOMATO, PROCESSING	14.1944	8	337.00	A
	TURNIP	4.2507	77	335.65	A
	UNKNOWN	3.5571	92	574.54	A
	VEGETABLE	0.0317	7	8.68	A
	VEGETABLES, LEAFY	3.2914	10	124.05	A
	VERTEBRATE CONTROL	4.0319			
	WALNUT	0.1109	1	11.00	A
	WATERCRESS	0.0084	1	600.00	S
	WATERMELON	3.6447	2	75.00	A
	Chemical Total	9,414.7661	7,476		
<b>PYRIDABEN</b>					
	ALMOND	1,608.5440	84	3,853.43	A
	APPLE	0.9675	1	1.00	A
	GRAPE	3,328.8860	135	6,679.82	A
	GRAPE, WINE	10,478.5597	704	28,560.07	A
	GRAPEFRUIT	39.7575	2	81.00	A
	LEMON	155.1939	13	455.75	A
	N-GRNHS FLOWER	13.9641	32	37.65	A
		0.2758	9	106,907.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.2399			
	N-GRNHS PLANTS IN CONTAINERS	115.6811	205	338.66	A
		76.9888	164	7,880,561.00	S
	TOTAL POUNDS ON THIS COMMODITY	192.6699			
	N-GRNHS TRANSPLANTS	0.5119	22	126,500.00	S
		0.4688	6	10.84	A
	TOTAL POUNDS ON THIS COMMODITY	0.9807			
	N-OUTDR FLOWER	2.4497	6	7.82	A
	N-OUTDR PLANTS IN CONTAINERS	204.3140	155	327.12	A
		3.1406	10	248,486.00	S
	TOTAL POUNDS ON THIS COMMODITY	207.4546			
	N-OUTDR TRANSPLANTS	12.9558	32	78.10	A
	NECTARINE	11.1938	3	27.00	A
	ORANGE	2,011.4071	191	5,887.51	A
	PEACH	147.0929	16	348.50	A
	PEAR	9.2813	1	30.00	A
	PLUM	15.6000	2	38.00	A
	PRUNE	32.2988	3	76.00	A
	RESEARCH COMMODITY	0.4063			
		0.2391	4	0.49	A
	TOTAL POUNDS ON THIS COMMODITY	0.6454			
	TANGELO	2.7825	1	9.00	A
	TANGERINE	520.5450	14	1,812.69	A
	UNKNOWN	0.6263	1	48,500.00	S
	VERTEBRATE CONTROL	0.1875	1	3.00	A
	WALNUT	487.4813	18	1,040.00	A
	Chemical Total	19,281.8011	1,835		

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<b>PYRIDATE</b>					
	CORN (FORAGE - FODDER)	91.8930	4	147.00	A
	Chemical Total	91.8930	4		
<b>PYRAFLUFEN-ETHYL</b>					
	COTTON	448.9865	1,774	129,031.96	A
	RIGHTS OF WAY	0.9838			
	Chemical Total	449.9703	1,774		
<b>PYRIPROXYFEN</b>					
	ALMOND	2,035.5098	810	76,973.62	A
		0.3000		40.00	T
	TOTAL POUNDS ON THIS COMMODITY	2,035.8098			
	APPLE	87.8345	36	1,023.59	A
	APRICOT	4.4415	4	50.00	A
	BROCCOLI	26.8514	10	498.52	A
	CHERRY	4.4494	7	47.20	A
	CITRUS	14.9438	18	138.00	A
	COMMODITY FUMIGATION	0.0088			
	COTTON	4,969.6861	1,201	88,356.40	A
	EGGPLANT	2.6060	3	43.00	A
	FOOD PROCESSING PLANT	0.0065		356,300.00	C
	FUMIGATION, OTHER	0.4361			
	GRAPEFRUIT	45.9962	57	1,138.55	A
	LANDSCAPE MAINTENANCE	10.1820			
	LEMON	218.0722	91	2,579.50	A
	N-GRNHS FLOWER	54.6418	355	656.32	A
		3.0096	42	814,050.00	S
	TOTAL POUNDS ON THIS COMMODITY	57.6514			
	N-GRNHS PLANTS IN CONTAINERS	29.4308	343	347.72	A
		15.8313	184	7,309,929.00	S
		0.2891	2	100,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	45.5512			
	N-GRNHS TRANSPLANTS	0.4190	59	236,000.00	S
		0.1009	5	1.56	A
	TOTAL POUNDS ON THIS COMMODITY	0.5199			
	N-OUTDR FLOWER	11.5691	55	163.81	A
		0.3026	8	114,137.00	S
	TOTAL POUNDS ON THIS COMMODITY	11.8717			
	N-OUTDR PLANTS IN CONTAINERS	85.9952	244	1,366.60	A
		4.7974	49	1,434,516.00	S
	TOTAL POUNDS ON THIS COMMODITY	90.7926			
	N-OUTDR TRANSPLANTS	5.3736	29	101.83	A
		1.2943	17	260,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.6679			
	NECTARINE	59.8540	68	755.37	A
	OLIVE	9.3067	6	86.00	A
	ORANGE	4,408.5059	1,530	44,363.61	A
	PEACH	44.8624	56	500.75	A
	PEAR	91.3670	38	1,088.17	A
	PEPPER, FRUITING	48.3987	33	813.77	A
	PEPPER, SPICE	1.9794	1	29.50	A
	PISTACHIO	1.6035	2	206.50	A
	PLUM	149.9831	133	1,691.21	A
	PRUNE	4.8781	2	52.00	A
	PUBLIC HEALTH	0.4098			
	REGULATORY PEST CONTROL	0.2916			
	RESEARCH COMMODITY	0.0483			
		0.0202	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0685			
	RIGHTS OF WAY	1.5000			
	SPINACH	0.7961	1	14.80	A
	STORAGE AREA/BOX	0.1117		3,144,380.00	C
		0.0241		1,644.30	K
	TOTAL POUNDS ON THIS COMMODITY	0.1358			
	STRAWBERRY	366.7678	167	5,186.09	A
	STRUCTURAL PEST CONTROL	71.7205			

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<b>PYRIPROXYFEN</b>					
	TANGELO	41.9750	30	522.47	A
	TANGERINE	105.7491	56	917.62	A
	TOMATO	145.3319	58	2,180.50	A
	WALNUT	172.8921	67	2,023.80	A
	Chemical Total	13,362.7560	5,878		
<b>PYRITHIOBAC-SODIUM</b>					
	COTTON	3,922.5329	1,616	140,874.50	A
	RESEARCH COMMODITY	0.0507			
	Chemical Total	3,922.5836	1,616		
<b>QST 713 STRAIN OF DRIED BACILLUS SUBTILIS</b>					
	APPLE	61.2000	16	99.30	A
	APRICOT	2.4000	2	4.00	A
	BLUEBERRY	2.4000		4.50	A
	BROCCOLI	13.2323	11	61.70	A
	CARROT	18.0647	6	187.07	A
	CELERY	175.2438	83	821.79	A
	CHICORY	132.0504	75	1,011.35	A
	COLLARD	0.9680	1	17.00	A
	CUCUMBER	18.4018	60	99.50	A
	ENDIVE (ESCAROLE)	60.1364	63	294.09	A
	FENNEL	11.9970	2	21.00	A
	GRAPE	2,609.4328	254	9,026.11	A
	GRAPE, WINE	8,051.0584	1,265	18,275.83	A
		13.2000	2	33.00	U
	TOTAL POUNDS ON THIS COMMODITY	8,064.2584			
	HERB, SPICE	13.0750	33	23.93	A
	LEEK	20.1600	1	67.20	A
	LETTUCE, HEAD	1,693.0458	892	10,576.22	A
	LETTUCE, LEAF	2,680.4629	1,688	13,930.50	A
	MELON	5.2000	3	16.00	A
	MINT	0.4000	2	0.44	A
	N-GRNHS FLOWER	115.8961	422	779.27	A
		0.0018	1	1,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	115.8979			
	N-GRNHS PLANTS IN CONTAINERS	12.7385	102	115.16	A
		3.3498	30	411,548.20	S
	TOTAL POUNDS ON THIS COMMODITY	16.0883			
	N-GRNHS TRANSPLANTS	1.2156	15	14.83	A
		0.5673	5	83,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.7829			
	N-OUTDR FLOWER	91.7320	175	789.78	A
	N-OUTDR PLANTS IN CONTAINERS	42.0040	81	152.66	A
		0.3132	2	84,743.00	S
	TOTAL POUNDS ON THIS COMMODITY	42.3172			
	N-OUTDR TRANSPLANTS	9.4896	48	1,405,400.00	S
		6.2633	10	29.18	A
	TOTAL POUNDS ON THIS COMMODITY	15.7529			
	PARSLEY	9.9841	12	44.81	A
	PEAR	269.5400	22	423.00	A
	PEPPER, FRUITING	28.1215	13	65.50	A
	RESEARCH COMMODITY	0.8954			
	SPINACH	207.4083	109	844.16	A
	SQUASH	26.8200	17	51.70	A
	STRUCTURAL PEST CONTROL	0.1188			
	SWISS CHARD	42.6438	27	101.75	A
	TOMATO	66.9053	36	552.58	A
	UNKNOWN	37.6375	5	89.00	A
	VEGETABLES, LEAFY	34.1300	11	115.61	A
	VERTEBRATE CONTROL	3.0747	1	18.00	A
	WATERCRESS	9.7178	30	69.00	A
	WATERMELON	16.1200	2	32.30	A
	Chemical Total	16,618.8177	5,635		

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<b>QUINCLORAC</b>					
	LANDSCAPE MAINTENANCE	1,014.8879			
		7.5000	5	21.10	A
	TOTAL POUNDS ON THIS COMMODITY	1,022.3879			
	N-OUTDR FLOWER	37.5900	7	56.00	A
	N-OUTDR TRANSPLANTS	13.5000	1	18.00	A
	RIGHTS OF WAY	0.8438			
	STRUCTURAL PEST CONTROL	0.1928			
	TURF/SOD	152.5650	10	380.54	A
	Chemical Total	1,227.0795	23		
<b>QUINOXYFEN</b>					
	CHERRY	3.8585	6	35.50	A
	GRAPE	1,826.9144	494	22,123.57	A
	GRAPE, WINE	4,378.0383	1,457	49,248.24	A
	N-OUTDR PLANTS IN CONTAINERS	9.1439	8	120.02	A
	RIGHTS OF WAY	0.2050			
	UNKNOWN	4.0644	1	3.00	A
	Chemical Total	6,222.2245	1,966		
<b>RESMETHRIN</b>					
	FOOD PROCESSING PLANT	1.6858		207.88	A
		0.7100		3,842.80	K
	TOTAL POUNDS ON THIS COMMODITY	2.3958			
	FUMIGATION, OTHER	3.0688			
	LANDSCAPE MAINTENANCE	3.6792			
	N-GRNHS FLOWER	0.0117	1	1,200.00	S
	N-GRNHS PLANTS IN CONTAINERS	0.1312	1	0.62	A
	N-OUTDR PLANTS IN CONTAINERS	0.0840	4	0.71	A
	PUBLIC HEALTH	116.8616			
	REGULATORY PEST CONTROL	36.9244			
	RESEARCH COMMODITY	0.5773			
	RIGHTS OF WAY	5.2169			
	STRUCTURAL PEST CONTROL	76.3569			
	Chemical Total	245.3078	6		
<b>RESMETHRIN, OTHER RELATED</b>					
	LANDSCAPE MAINTENANCE	0.0018			
	N-GRNHS FLOWER	0.0016	1	1,200.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.0027	2	0.26	A
	PUBLIC HEALTH	0.0284			
	RIGHTS OF WAY	0.3205			
	STRUCTURAL PEST CONTROL	0.0821			
	Chemical Total	0.4371	3		
<b>RIMSULFURON</b>					
	POTATO	299.4367	210	13,495.89	A
	RESEARCH COMMODITY	0.6020			
	RIGHTS OF WAY	0.0039			
	SOIL FUMIGATION/PREPLANT	20.2712	16	1,166.05	A
	TOMATO	39.9143	52	2,821.68	A
	TOMATO, PROCESSING	1,620.9384	1,781	146,534.41	A
	UNCULTIVATED AG	0.0625	1	15.00	A
	WALNUT	1.5000	1	32.00	A
	Chemical Total	1,982.7290	2,061		
<b>RONNEL</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.0075	1	3.00	A
	Chemical Total	0.0075	1		

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<b>ROTENONE</b>					
	APPLE	0.0392	1	4.00	A
	ARTICHOKE, GLOBE	6.8373	108	704.63	A
	AVOCADO	11.8236	3	1,208.00	A
	BASIL, SWEET	0.4911	33	73.28	A
	BEAN, SUCCULENT	0.1909	3	28.00	A
	BEAN, UNSPECIFIED	0.0979	1	10.00	A
	BEET	0.0916	15	14.76	A
	BLACKBERRY	0.5006	17	49.90	A
	BLUEBERRY	0.0007	1	0.15	A
	BOK CHOY	0.2432	22	38.61	A
	BROCCOLI	1.2782	26	136.08	A
	CAULIFLOWER	1.1679	20	129.72	A
	CELERY	4.8387	47	568.54	A
	CHICORY	0.4551	3	46.50	A
	CHINESE CABBAGE (NAPPA)	2.6513	90	290.10	A
	CHIVE	0.1370	14	15.00	A
	CILANTRO	0.6144	10	63.16	A
	CITRUS	0.0343	2	3.50	A
	COLLARD	1.4649	20	213.09	A
	COMMODITY FUMIGATION	0.0509			
	CUCUMBER	0.3279	41	41.50	A
	DAIKON	0.0682	12	9.55	A
	DILL	0.4267	15	45.82	A
	EGGPLANT	0.0147	2	1.50	A
	ENDIVE (ESCAROLE)	0.4133	19	55.00	A
	GAI LON	0.0031	1	12,000.00	S
	GRAPE	0.5000	1	25.00	A
	GRAPE, WINE	0.1160	4	54.40	A
	HERB, SPICE	0.6895	68	129.20	A
		0.0759	8	382,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.7654			
	KALE	0.5425	13	66.44	A
	LANDSCAPE MAINTENANCE	1.8974			
	LEMON	0.3387	4	14.60	A
	LETTUCE, HEAD	8.3454	89	1,019.70	A
	LETTUCE, LEAF	16.7925	288	2,174.75	A
	MINT	0.1730	16	26.42	A
	MUSTARD	0.2187	4	19.41	A
	N-GRNHS FLOWER	0.2335	81	42.99	A
		0.0343	3	120,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.2678			
	N-GRNHS PLANTS IN CONTAINERS	0.1768	16	345,516.00	S
		0.0134	2	2.74	A
	TOTAL POUNDS ON THIS COMMODITY	0.1902			
	N-GRNHS TRANSPLANTS	0.5133	176	75.81	A
		0.0052	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5185			
	N-OUTDR FLOWER	2.6260	35	111.44	A
	N-OUTDR PLANTS IN CONTAINERS	0.3580	56	96.22	A
		0.0636	4	110,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4216			
	N-OUTDR TRANSPLANTS	0.3966	24	60.66	A
	ONION, DRY	1.0651	9	156.90	A
	ONION, GREEN	1.6972	45	231.60	A
	PARSLEY	0.0149	1	4.00	A
	PEACH	0.0220	5	1.75	A
	PEAS	6.3197	106	1,106.30	A
	PEPPER, FRUITING	0.3621	10	64.00	A
	PERSIMMON	0.0367	2	5.50	A
	RADISH	0.0343	1	7.00	A
	RASPBERRY	0.0220	1	3.00	A
	REGULATORY PEST CONTROL	0.0668			
		0.0011		0.30	A
	TOTAL POUNDS ON THIS COMMODITY	0.0679			
	RESEARCH COMMODITY	0.0002			
	SAGE	0.0538	6	8.00	A
	SPINACH	30.8361	622	4,443.77	A

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<b>ROTENONE</b>					
	SQUASH	0.2300	4	25.00	A
	SQUASH, ZUCCHINI	0.0024	1	0.25	A
	STRAWBERRY	9.7749	69	1,275.85	A
	STRUCTURAL PEST CONTROL	0.9814			
	SWISS CHARD	0.0381	6	6.73	A
	TARRAGON	0.0685	7	7.00	A
	TOMATO	1.6837	20	174.00	A
	TURNIP	3.2187	63	305.77	A
	UNKNOWN	0.0098	1	1.00	A
	VERTEBRATE CONTROL	0.0971			
Chemical Total		125.0096	2,398		
<b>ROTENONE, OTHER RELATED</b>					
	APPLE	0.0392	1	4.00	A
	ARTICHOKE, GLOBE	6.8373	108	704.63	A
	AVOCADO	11.8236	3	1,208.00	A
	BASIL, SWEET	0.4911	33	73.28	A
	BEAN, SUCCULENT	0.1909	3	28.00	A
	BEAN, UNSPECIFIED	0.0979	1	10.00	A
	BEEF	0.0916	15	14.76	A
	BLACKBERRY	0.5006	17	49.90	A
	BLUEBERRY	0.0007	1	0.15	A
	BOK CHOY	0.2432	22	38.61	A
	BROCCOLI	1.2782	26	136.08	A
	CAULIFLOWER	1.1679	20	129.72	A
	CELERY	4.8387	47	568.54	A
	CHICORY	0.4551	3	46.50	A
	CHINESE CABBAGE (NAPPA)	2.6513	90	290.10	A
	CHIVE	0.1370	14	15.00	A
	CILANTRO	0.6144	10	63.16	A
	CITRUS	0.0343	2	3.50	A
	COLLARD	1.4649	20	213.09	A
	CUCUMBER	0.3279	41	41.50	A
	DAIKON	0.0682	12	9.55	A
	DILL	0.4267	15	45.82	A
	EGGPLANT	0.0147	2	1.50	A
	ENDIVE (ESCAROLE)	0.4133	19	55.00	A
	GAI LON	0.0031	1	12,000.00	S
	GRAPE	0.5000	1	25.00	A
	GRAPE, WINE	0.0489	2	5.00	A
	HERB, SPICE	0.6895	68	129.20	A
		0.0759	8	382,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.7654			
	KALE	0.5425	13	66.44	A
	LANDSCAPE MAINTENANCE	1.9146			
	LEMON	0.5487	4	14.60	A
	LETTUCE, HEAD	8.3454	89	1,019.70	A
	LETTUCE, LEAF	16.7925	288	2,174.75	A
	MINT	0.1730	16	26.42	A
	MUSTARD	0.2187	4	19.41	A
	N-GRNHS FLOWER	0.2335	81	42.99	A
		0.0343	3	120,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.2678			
	N-GRNHS PLANTS IN CONTAINERS	0.1768	16	345,516.00	S
		0.0134	2	2.74	A
	TOTAL POUNDS ON THIS COMMODITY	0.1902			
	N-GRNHS TRANSPLANTS	0.5133	176	75.81	A
		0.0103	1	10,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.5236			
	N-OUTDR FLOWER	5.1260	35	111.44	A
	N-OUTDR PLANTS IN CONTAINERS	0.3580	56	96.22	A
		0.0636	4	110,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.4216			
	N-OUTDR TRANSPLANTS	0.3966	24	60.66	A
	ONION, DRY	1.0651	9	156.90	A
	ONION, GREEN	1.6972	45	231.60	A
	PARSLEY	0.0149	1	4.00	A



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<b>ROTENONE, OTHER RELATED</b>					
	PEACH	0.0220	5	1.75	A
	PEAS	6.3197	106	1,106.30	A
	PEPPER, FRUITING	0.3621	10	64.00	A
	PERSIMMON	0.0367	2	5.50	A
	RADISH	0.0343	1	7.00	A
	RASPBERRY	0.0220	1	3.00	A
	REGULATORY PEST CONTROL	0.0668			
		0.0011		0.30	A
	TOTAL POUNDS ON THIS COMMODITY	0.0679			
	RESEARCH COMMODITY	0.0002			
	SAGE	0.0538	6	8.00	A
	SPINACH	30.8361	622	4,443.77	A
	SQUASH	0.2300	4	25.00	A
	SQUASH, ZUCCHINI	0.0024	1	0.25	A
	STRAWBERRY	9.7749	69	1,275.85	A
	STRUCTURAL PEST CONTROL	1.8551			
	SWISS CHARD	0.0381	6	6.73	A
	TARRAGON	0.0685	7	7.00	A
	TOMATO	1.6837	20	174.00	A
	TURNIP	3.2187	63	305.77	A
	UNKNOWN	0.0098	1	1.00	A
	Chemical Total	128.4005	2,396		
<b>RYANODINE ALKALOID</b>					
	ORANGE	200.0000	1	40.00	A
	Chemical Total	200.0000	1		
<b>SABADILLA ALKALOIDS</b>					
	AVOCADO	48.2307	94	1,658.72	A
	CITRUS	11.7120	15	488.00	A
	GRAPEFRUIT	18.2780	41	742.67	A
	LEMON	31.7352	46	1,358.00	A
	MANGO	7.0000	1	70.00	A
	N-OUTDR PLANTS IN CONTAINERS	3.1382	26	119.90	A
	ORANGE	69.8985	120	3,665.76	A
	TANGELO	4.2370	11	222.90	A
	TANGERINE	47.0332	46	3,052.41	A
	Chemical Total	241.2628	400		
<b>SAWDUST</b>					
	LANDSCAPE MAINTENANCE	0.8800			
	VERTEBRATE CONTROL	0.5368			
	Chemical Total	1.4168			
<b>SETHOXYDIM</b>					
	ALFALFA	13,578.0219	795	40,335.07	A
	ALMOND	672.6169	89	3,008.40	A
	APPLE	70.7864	18	275.22	A
	APRICOT	0.2811	1	3.00	A
	ASPARAGUS	247.7046	13	667.40	A
	BEAN, DRIED	443.4339	28	1,437.30	A
	BEAN, SUCCULENT	90.4102	28	318.70	A
	BEAN, UNSPECIFIED	138.9944	8	543.00	A
	BOK CHOY	0.2811	1	1.00	A
	BROCCOLI	711.9070	63	2,805.40	A
	CABBAGE	35.8570	10	140.20	A
	CANOLA (RAPE)	14.9940	2	140.00	A
	CANTALOUPE	60.6007	16	686.70	A
	CARROT	182.6555	22	537.80	A
	CAULIFLOWER	8.4993	4	34.50	A
	CELERY	60.2639	15	194.10	A
	CHERRY	92.3490	10	271.25	A
	CHICORY	22.3469	1	85.00	A
	CHINESE GREENS	1.5141	1	8.60	A

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<b>SETHOXYDIM</b>					
	CITRUS	0.5476	1	4.00	A
	CLOVER	286.9797	26	778.70	A
	CORN (FORAGE - FODDER)	39.3868	3	95.71	A
	CORN, HUMAN CONSUMPTION	1.7524	1	0.50	A
	COTTON	4,577.4290	219	15,061.79	A
	CUCUMBER	136.7572	20	669.10	A
	EGGPLANT	1.4495	6	5.50	A
	GARLIC	80.1769	4	305.00	A
	GRAPE	261.0082	32	1,472.01	A
	GRAPE, WINE	1,314.4639	246	7,959.79	A
	LANDSCAPE MAINTENANCE	208.8163			
		1.4677	6	17.00	A
	TOTAL POUNDS ON THIS COMMODITY	210.2840			
	LEEK	0.7886	1	3.00	A
	LETTUCE, HEAD	303.6320	51	1,399.80	A
	LETTUCE, LEAF	50.5998	15	245.88	A
	MELON	134.0810	10	569.20	A
	MINT	0.3749	1	1.00	A
	MUSTARD	3.2481	3	13.50	A
	N-GRNHS FLOWER	1.7525	8	4.00	A
	N-OUTDR FLOWER	56.0503	26	169.50	A
	N-OUTDR PLANTS IN CONTAINERS	21.5814	14	65.76	A
	N-OUTDR TRANSPLANTS	1.8297	2	7.70	A
	OAT	21.8912	2	58.40	A
	ONION, DRY	1,228.6346	72	4,609.27	A
	ORANGE	1.8743	1	5.00	A
	PARSLEY	20.7667	4	75.00	A
	PEACH	45.9026	6	219.00	A
	PEAS	2.8189	1	6.00	A
	PEPPER, FRUITING	19.9761	10	120.20	A
	PISTACHIO	2.8039	1	6.00	A
	POTATO	145.6163	13	560.10	A
	PRUNE	42.1331	2	84.00	A
	PUMPKIN	61.4047	10	94.60	A
	RAPPINI	244.5949	23	1,016.00	A
	RESEARCH COMMODITY	7.5847			
	RIGHTS OF WAY	337.3597			
		18.0850	5	129.00	A
	TOTAL POUNDS ON THIS COMMODITY	355.4447			
	SOIL FUMIGATION/PREPLANT	43.2599	3	137.00	A
	SPINACH	41.3816	9	172.50	A
	SQUASH	85.7386	17	334.90	A
	SQUASH, SUMMER	6.1007	4	24.50	A
	STRAWBERRY	1.1246	1	3.00	A
	STRUCTURAL PEST CONTROL	1.1336			
	SUGARBEET	1,683.0812	119	6,257.70	A
	SUNFLOWER	92.7947	8	318.30	A
	SWEET POTATO	4.5451	3	16.50	A
	SWISS CHARD	7.0114	2	28.00	A
	TOMATO	174.1712	22	648.90	A
	TOMATO, PROCESSING	695.6482	35	2,919.46	A
	UNCULTIVATED AG	86.9024	9	405.80	A
	WALNUT	157.9408	37	1,364.20	A
	WATERMELON	313.2262	42	1,417.50	A
	Chemical Total	29,513.1983	2,281		
<b>SIDURON</b>					
	LANDSCAPE MAINTENANCE	421.9913			
	N-OUTDR FLOWER	1,269.5000	14	240.50	A
	N-OUTDR PLANTS IN CONTAINERS	2,966.2000	38	811.60	A
	N-OUTDR TRANSPLANTS	193.0000	4	51.00	A
	RIGHTS OF WAY	298.0000			
	STRUCTURAL PEST CONTROL	4.0000			
	TURF/SOD	4,360.6500	46	911.16	A
	Chemical Total	9,513.3413	102		

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<b>SILICA AEROGEL</b>					
	INDUSTRIAL SITE	0.0327		11.00	C
	LANDSCAPE MAINTENANCE	159.7538			
	PUBLIC HEALTH	2,993.2082			
	RIGHTS OF WAY	8.3876			
	STRUCTURAL PEST CONTROL	9,660.4205			
	VERTEBRATE CONTROL	0.0250			
	Chemical Total	12,821.8278			
<b>SILICONE</b>					
	ALFALFA	5.4208	134	5,083.70	A
	ALMOND	3.6236	2	78.00	A
	CORN (FORAGE - FODDER)	0.0507	2	83.00	A
	GRAPE, WINE	0.0396	2	60.80	A
	LANDSCAPE MAINTENANCE	0.1755			
	RIGHTS OF WAY	2.1742			
	TOMATO	0.0870	2	77.00	A
	TOMATO, PROCESSING	0.2247	9	393.00	A
	WALNUT	0.3525	1	75.00	A
	WHEAT	0.8697	16	769.70	A
	Chemical Total	13.0183	168		
<b>SILICONE DEFOAMER</b>					
	ALFALFA	21.8030	625	32,096.08	A
	ALMOND	52.5470	423	40,567.95	A
	APPLE	0.5222	39	447.50	A
	APRICOT	0.1150	12	136.92	A
	ARRUGULA	0.0021	1	1.50	A
	ARTICHOKE, GLOBE	0.0903	8	116.30	A
	ASPARAGUS	1.6813	42	2,027.00	A
	AVOCADO	1.1296	247	1,859.80	A
	BEAN, DRIED	1.4564	47	2,865.60	A
	BEAN, SUCCULENT	0.9676	41	1,805.10	A
	BEAN, UNSPECIFIED	0.7400	38	1,189.80	A
	BEET	0.0021	1	1.50	A
	BLACKBERRY	0.3610	43	325.82	A
	BLUEBERRY	0.0222	5	24.10	A
	BOK CHOY	0.1812	147	243.46	A
	BROCCOLI	23.2056	2,128	24,966.05	A
		0.0106	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	23.2162			
	BRUSSELS SPROUT	0.0303	7	36.50	A
	CABBAGE	3.0518	298	2,446.35	A
	CANTALOUPE	0.5610	16	893.50	A
	CARROT	0.5367	63	558.60	A
	CAULIFLOWER	5.5129	571	5,027.05	A
	CELERIAC	0.0046	1	5.00	A
	CELERY	6.4807	801	6,310.30	A
	CHERRY	1.7028	38	902.50	A
	CHICORY	0.0483	7	60.50	A
	CHINESE CABBAGE (NAPPA)	0.9700	368	1,198.64	A
	CHIVE	0.0078	17	16.50	A
	CHRISTMAS TREE	0.0422	1	14.00	A
	CILANTRO	0.0105	2	13.60	A
	CITRUS	0.0609	5	70.00	A
	COLE CROP	0.0046	1	5.00	A
	COLLARD	0.0311	1	17.00	A
	CORN (FORAGE - FODDER)	2.8742	77	4,353.85	A
	CORN, HUMAN CONSUMPTION	0.3419	20	654.50	A
	COTTON	38.5424	1,246	48,560.33	A
	CUCUMBER	1.3338	48	1,546.15	A
	EGGPLANT	0.0028	1	10.00	A
	ENDIVE (ESCAROLE)	0.1724	43	201.90	A
	FENNEL	0.1226	22	169.50	A
	FIG	0.8951	19	1,900.00	A
	FORAGE HAY/SILAGE	0.1624	11	298.46	A

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<b>SILICONE DEFOAMER</b>					
	FUMIGATION, OTHER	0.0272			
	GARLIC	0.0669	1	180.00	A
	GRAPE	38.1216	944	43,125.87	A
	GRAPE, WINE	32.5475	893	53,617.39	A
	GRAPEFRUIT	0.0423	4	67.00	A
	HERB, SPICE	0.0640	93	185.55	A
	KALE	0.0304	10	32.38	A
	KOHLRABI	0.0012	1	2.00	A
	LANDSCAPE MAINTENANCE	14.4334			
		0.0037	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	14.4371			
	LEMON	1.8186	45	969.50	A
	LETTUCE, HEAD	63.0831	4,795	60,334.48	A
	LETTUCE, LEAF	38.5454	3,465	30,886.65	A
	LIME	0.0064	1	7.00	A
	MELON	0.4017	16	808.90	A
	MINT	0.0014	3	5.00	A
	MUSTARD	0.0890	43	63.80	A
	N-GRNHS FLOWER	2.8727	544	1,587.62	A
		2.4903	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.3630			
	N-GRNHS PLANTS IN CONTAINERS	2.0919	683	1,719.23	A
		0.2343	243	5,930,801.82	S
		0.0010	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	2.3272			
	N-GRNHS TRANSPLANTS	0.0706	7	960,000.00	S
		0.0340	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.1046			
	N-OUTDR FLOWER	2.3790	716	3,539.78	A
		0.0237	24	145,460.00	S
		0.0230	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	2.4257			
	N-OUTDR PLANTS IN CONTAINERS	3.3257	1,080	1,231.72	A
		0.3869	278	15,457,544.50	S
		0.0755	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	3.7881			
	N-OUTDR TRANSPLANTS	1.5215	259	28,614,935.00	S
		0.0256	1	180,000.00	U
		0.0063	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	1.5534			
	NECTARINE	4.7403	273	4,820.03	A
	OAT	0.0223	1	45.00	A
	OAT (FORAGE - FODDER)	0.2240	5	243.80	A
	OLIVE	0.2390	6	249.00	A
	ONION, DRY	2.3020	114	2,196.88	A
	ONION, GREEN	0.2918	45	247.90	A
	ORANGE	21.1975	309	10,070.17	A
	PARSLEY	0.0440	13	71.80	A
	PEACH	6.5381	290	6,698.98	A
	PEAR	0.0380	11	54.50	A
	PEAS	0.2140	22	221.95	A
	PECAN	0.0483	3	30.00	A
	PEPPER, FRUITING	2.4834	215	3,252.55	A
	PEPPER, SPICE	0.2200	17	371.50	A
	PERSIMMON	0.0365	8	60.50	A
	PISTACHIO	17.3030	272	21,195.20	A
	PLUM	2.2463	153	2,711.63	A
	POMEGRANATE	0.0297	4	26.00	A
	POTATO	0.9166	34	1,576.80	A
	POULTRY	0.0714		32.00	U
	PRUNE	0.1213	9	73.00	A
	PUMPKIN	0.0747	12	103.85	A
	RADISH	0.0316	26	13.50	A
	RAPPINI	0.3909	22	229.20	A
	RASPBERRY	1.6820	140	2,106.19	A
	RESEARCH COMMODITY	0.0119			
	RIGHTS OF WAY	5.0914			
	SAFFLOWER	0.0750	3	97.00	A

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<b>SILICONE DEFOAMER</b>					
	SAGE	0.0046	8	12.00	A
	SOIL FUMIGATION/PREPLANT	0.3998	7	415.00	A
	SORGHUM/MILO	0.0436	2	78.12	A
	SPINACH	0.0825	24	145.32	A
	SQUASH	0.4423	44	581.70	A
	SQUASH, SUMMER	0.1923	20	222.10	A
	SQUASH, WINTER	0.0028	1	6.00	A
	STRAWBERRY	30.8714	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	6.2869			
	SUDANGRASS	0.0628	3	52.00	A
	SUGARBEET	0.6752	35	2,149.00	A
	SUNFLOWER	0.0563	4	100.70	A
	TANGELO	0.8851	23	213.25	A
	TANGERINE	0.2872	14	490.00	A
	TARRAGON	0.0032	7	7.00	A
	TOMATILLO	0.0273	2	30.00	A
	TOMATO	2.6127	84	4,520.40	A
	TOMATO, PROCESSING	6.8912	143	8,743.20	A
	TURNIP	0.0258	25	18.50	A
	UNCULTIVATED AG	0.3231	26	384.60	A
	UNCULTIVATED NON-AG	0.0201	2	9.00	A
	UNKNOWN	0.0009	2	3.00	A
	VEGETABLES, LEAFY	0.0180	2	13.50	A
	VERTEBRATE CONTROL	0.0966			
		0.0216	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.1182			
	WALNUT	12.8105	209	6,661.00	A
	WATERMELON	1.9184	72	2,791.70	A
	WHEAT	2.5087	33	1,688.94	A
	WHEAT (FORAGE - FODDER)	0.1809	6	282.06	A
	Chemical Total	507.6236	26,120		
<b>SIMAZINE</b>					
	ALFALFA	22.4283	1	13.50	A
	ALMOND	73,985.5869	2,858	143,206.41	A
	APPLE	1,742.2059	106	1,598.11	A
	APRICOT	4.5000	1	10.00	A
	AVOCADO	15,552.2366	1,080	11,017.63	A
	BLUEBERRY	280.0895	11	154.00	A
	BOYSENBERRY	78.5362	2	57.00	A
	CHERRY	140.7532	25	181.50	A
	CHRISTMAS TREE	26.9832	4	13.90	A
	CITRUS	789.0093	43	425.63	A
	COMMODITY FUMIGATION	9.9473			
	CORN (FORAGE - FODDER)	18.0900	1	30.00	A
	CORN, HUMAN CONSUMPTION	7.2000	1	4.00	A
	DITCH BANK	40.0506	1	10.00	A
	GRAPE	122,461.7898	3,637	128,252.40	A
	GRAPE, WINE	125,089.5769	3,442	114,927.61	A
	GRAPEFRUIT	3,571.0866	200	1,646.60	A
	LANDSCAPE MAINTENANCE	17,833.6623			
	LEMON	14,744.3768	364	6,757.06	A
	MINT	31.5399	1	18.00	A
	N-GRNHS FLOWER	32.8452	12	11.60	A
	N-GRNHS PLANTS IN CONTAINERS	19.4505	7	8.47	A
		2.8473	5	120,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	22.2978			
	N-OUTDR FLOWER	155.4088	9	61.75	A
	N-OUTDR PLANTS IN CONTAINERS	1,071.5720	236	806.47	A
	NECTARINE	8,778.8668	1,067	11,856.13	A
	OLIVE	10,566.7525	235	6,878.50	A
		4.0009	1	11.00	U
	TOTAL POUNDS ON THIS COMMODITY	10,570.7534			
	ORANGE	187,161.1253	3,083	93,651.08	A
		1.5750	1	0.40	U
	TOTAL POUNDS ON THIS COMMODITY	187,162.7003			
	PEACH	13,974.7161	1,521	21,259.55	A

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<b>SIMAZINE</b>					
	PEAR	2,365.3486	61	1,568.30	A
	PECAN	119.5390	12	156.10	A
	PLUM	787.6039	77	916.08	A
	RANGELAND	65.6934	2	33.52	A
	RASPBERRY	3.3726	2	8.00	A
	RESEARCH COMMODITY	244.9963			
	RIGHTS OF WAY	73,266.4154			
		454.6415	18	145.60	A
	TOTAL POUNDS ON THIS COMMODITY	73,721.0569			
	SOIL FUMIGATION/PREPLANT	20.2500	3	10.50	A
	STRUCTURAL PEST CONTROL	1,001.8203			
	TANGELO	2.7000	1	2.75	A
	TANGERINE	204.9750	6	85.30	A
	TROPICAL/SUBTROPICAL FRUIT	4.5000	1	6.00	A
	UNCULTIVATED AG	237.8948	15	229.93	A
	UNCULTIVATED NON-AG	517.0545	28	360.88	A
	VERTEBRATE CONTROL	18.6750			
	WALNUT	51,834.5018	1,539	41,282.83	A
	Chemical Total	729,348.7918	19,720		
<b>SOAP</b>					
	ANIMAL PREMISE	1.4553		6.00	U
	N-GRNHS PLANTS IN CONTAINERS	0.1281	1	3,000.00	S
	STRUCTURAL PEST CONTROL	11.4938			
	Chemical Total	13.0772	1		
<b>SODIUM ARSENATE</b>					
	STRUCTURAL PEST CONTROL	0.2841			
	Chemical Total	0.2841			
<b>SODIUM ARSENITE</b>					
	STRUCTURAL PEST CONTROL	0.0060			
	Chemical Total	0.0060			
<b>SODIUM BICARBONATE</b>					
	LANDSCAPE MAINTENANCE	125.0000			
	N-OUTDR PLANTS IN CONTAINERS	1.3911	1	100.00	A
	Chemical Total	126.3911	1		
<b>SODIUM BISULFATE</b>					
	CORN (FORAGE - FODDER)	483.0000	1	75.00	A
	Chemical Total	483.0000	1		
<b>SODIUM BISULFITE</b>					
	GRAPE	514.1816		643,243.00	P
		322.9130		196.00	T
	TOTAL POUNDS ON THIS COMMODITY	837.0946			
	Chemical Total	837.0946			
<b>SODIUM BROMIDE</b>					
	LANDSCAPE MAINTENANCE	16,343.4177			
	N-GRNHS PLANTS IN CONTAINERS	0.7820	2	6.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0460	1	1.00	A
	RIGHTS OF WAY	284.9142			
	STRUCTURAL PEST CONTROL	20,519.3765			
	TOMATO	5,014.6600		191,284.00	T
	WATER (INDUSTRIAL)	75,770.8546		87.00	U
		346.0555		16.00	A
	TOTAL POUNDS ON THIS COMMODITY	76,116.9101			
	Chemical Total	118,280.1065	3		

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<b>SODIUM CACODYLATE</b>					
	COTTON	45.4242	2	100.00	A
	LANDSCAPE MAINTENANCE	152.0840			
	RIGHTS OF WAY	474.1413			
	Chemical Total	671.6495	2		
<b>SODIUM CARBONATE</b>					
	GRAPE, WINE	0.8925	1	42.00	A
	LANDSCAPE MAINTENANCE	387.0900			
	Chemical Total	387.9825	1		
<b>SODIUM CHLORATE</b>					
	APPLE	1.8326	1	8.00	A
	BEAN, DRIED	3,043.6128	11	505.00	A
	CORN (FORAGE - FODDER)	1,535.6948	3	218.40	A
	COTTON	1,415,551.3360	3,670	341,291.43	A
	GRAPE	7.3995	1	36.00	A
	LANDSCAPE MAINTENANCE	171.0000			
	N-OUTDR PLANTS IN CONTAINERS	6.6474	1	0.85	A
	ONION, DRY	0.4907	1	28.00	A
	PEPPER, FRUITING	2,243.0684	5	308.00	A
	PEPPER, SPICE	5,745.0873	31	714.50	A
	PUMPKIN	48.4173	1	8.00	A
	RESEARCH COMMODITY	1.3975			
	RICE	609.7177	3	105.00	A
	RIGHTS OF WAY	2,394.7680			
	SAFFLOWER	3,294.8874	18	556.40	A
	SORGHUM/MILO	260.1524	2	43.00	A
	STRAWBERRY	0.9814	1	22.00	A
	SUNFLOWER	12,899.2758	22	2,189.40	A
	WATERMELON	181.2935	1	29.00	A
	Chemical Total	1,447,997.0605	3,772		
<b>SODIUM CHLORIDE</b>					
	ANIMAL PREMISE	0.0750		10.00	A
	FUMIGATION, OTHER	0.4500			
	LANDSCAPE MAINTENANCE	2.4359			
	N-GRNHS PLANTS IN CONTAINERS	0.0122	1	2,500.00	S
	RIGHTS OF WAY	0.6000			
	STRUCTURAL PEST CONTROL	0.1875			
	Chemical Total	3.7606	1		
<b>SODIUM CHLORITE</b>					
	RIGHTS OF WAY	1.6014			
	Chemical Total	1.6014			
<b>SODIUM CYANIDE</b>					
	COMMODITY FUMIGATION	2,864.5400			
	Chemical Total	2,864.5400			
<b>SODIUM DECYL SULFATE</b>					
	STRUCTURAL PEST CONTROL	6.6187			
	Chemical Total	6.6187			

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<b>SODIUM DICHLORO-S-TRIAZINETRIONE</b>					
	GRAPE, WINE	0.2678	1	7.00	A
	LANDSCAPE MAINTENANCE	787.5660			
	STRUCTURAL PEST CONTROL	101.0005			
	UNCULTIVATED AG	49.5000		4.00	U
	WATER (INDUSTRIAL)	811.3600		108.00	U
		742.5000		231.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,553.8600			
	Chemical Total	2,492.1943	1		
<b>SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE</b>					
	LANDSCAPE MAINTENANCE	1,428.4100			
	STRUCTURAL PEST CONTROL	0.0158			
	Chemical Total	1,428.4258			
<b>SODIUM DIHEXYL SULFOSUCCINATE</b>					
	STRUCTURAL PEST CONTROL	656.1781			
	Chemical Total	656.1781			
<b>SODIUM DIISOCTYLSULFOSUCCINATE</b>					
	ALFALFA	0.6511	6	568.00	A
	ALMOND	4.3342	25	829.20	A
	BROCCOLI	0.0789	2	26.00	A
	CABBAGE	0.1354	2	23.52	A
	CARROT	0.2203	1	20.00	A
	CELERY	0.6878	2	34.00	A
	CITRUS	0.3539	2	13.00	A
	CORN (FORAGE - FODDER)	36.9868	100	4,891.59	A
	CORN, HUMAN CONSUMPTION	1.5479	16	336.20	A
	COTTON	27.3508	74	4,720.00	A
	GRAPE	1.6282	2	55.00	A
	GRAPE, WINE	20.1526	91	3,762.06	A
	GRAPEFRUIT	0.3512	2	11.00	A
	KALE	0.0274	5	5.00	A
	LEMON	11.6942	19	371.00	A
	LETTUCE, HEAD	0.0441	3	27.90	A
	LETTUCE, LEAF	0.2195	23	37.50	A
	MELON	0.8152	2	110.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0686	4	93,000.00	S
	OLIVE	8.2813	17	607.00	A
	ORANGE	218.2510	291	7,570.21	A
	PEPPER, SPICE	1.9206	3	52.00	A
	POTATO	2.1183	18	460.30	A
	RICE	8.8826	12	1,071.00	A
	RIGHTS OF WAY	0.4573			
	SAFFLOWER	5.0527	8	550.50	A
	SQUASH	0.1359	1	20.00	A
	STRAWBERRY	2.2009	2	96.00	A
	STRUCTURAL PEST CONTROL	36.5996			
	SUGARBEET	0.7061	1	154.00	A
	SUNFLOWER	0.3672	3	160.00	A
	TANGELO	1.3362	5	49.70	A
	TANGERINE	0.4344	2	38.00	A
	TOMATO, PROCESSING	1.3534	4	265.00	A
	UNCULTIVATED AG	18.5054	30	2,566.00	A
	WALNUT	37.6485	26	1,244.00	A
	WATERMELON	0.3911	1	57.00	A
	WHEAT	2.0178	6	521.00	A
	Chemical Total	454.0084	811		
<b>SODIUM DIMETHYL DITHIO CARBAMATE</b>					
	LANDSCAPE MAINTENANCE	273.7980			
	WATER (INDUSTRIAL)	10,419.6278		5.00	U
	Chemical Total	10,693.4258			



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<b>SODIUM DIOCTYLSULFOSUCCINATE</b>					
	ALFALFA	218.8899	173	8,549.98	A
	ALMOND	3,828.8816	1,412	83,648.92	A
	APPLE	29.0711	61	1,034.00	A
	APRICOT	63.3036	61	1,710.00	A
	ASPARAGUS	23.3465	28	1,496.40	A
	BEAN, DRIED	107.6038	63	3,396.00	A
	BEAN, SUCCULENT	88.5829	62	3,109.81	A
	BEAN, UNSPECIFIED	1.7683	3	117.00	A
	BLUEBERRY	0.0801	1	7.00	A
	BROCCOLI	133.4209	25	1,324.00	A
	CANTALOUPE	57.0596	23	1,712.00	A
	CARROT	5.4578	2	150.00	A
	CAULIFLOWER	241.6410	31	2,567.00	A
	CHERRY	101.5992	165	3,104.70	A
	CITRUS	1.6737	4	31.00	A
	CORN (FORAGE - FODDER)	302.2622	257	12,886.13	A
	CORN, HUMAN CONSUMPTION	19.7697	64	798.70	A
	COTTON	537.6203	210	17,469.05	A
	FORAGE HAY/SILAGE	4.2935	3	236.00	A
	GRAPE	497.6276	428	19,170.84	A
	GRAPE, WINE	1,574.6096	3,165	56,076.33	A
		6.0461	15	212.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,580.6557			
	GRAPEFRUIT	1.0697	3	12.50	A
	KIWI	0.7277	1	6.00	A
	LANDSCAPE MAINTENANCE	0.5337			
	LEMON	9.2255	10	135.30	A
	LETTUCE, HEAD	0.1819	1	20.00	A
	MELON	21.5984	12	932.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.1819	4	24,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	4.2301	19	134.70	A
	N-OUTDR TRANSPLANTS	78.4706	94	3,552.00	A
	NECTARINE	52.6420	70	839.34	A
	OAT (FORAGE - FODDER)	5.4433	7	312.00	A
	OLIVE	19.3277	17	268.50	A
		1.8491	122	6,359.00	U
	TOTAL POUNDS ON THIS COMMODITY	21.1768			
	ONION, DRY	12.9387	9	936.20	A
	ORANGE	753.4268	417	6,365.85	A
	PARSLEY	9.0236	2	240.00	A
	PEACH	383.5182	536	11,111.82	A
	PEAR	0.3054	3	28.00	A
	PEAS	1.6737	1	20.00	A
	PECAN	2.6416	3	57.00	A
	PEPPER, FRUITING	4.1405	6	205.54	A
	PISTACHIO	584.9542	88	7,690.42	A
	PLUM	10.4761	19	294.04	A
	POMEGRANATE	75.9314	26	4,520.61	A
	POTATO	0.4221	2	46.00	A
	PRUNE	28.6565	17	1,118.60	A
	PUMPKIN	0.0728	2	4.00	A
	QUINCE	16.5684	10	255.00	A
	RANGELAND	0.0625	3	7.00	A
	RIGHTS OF WAY	27.2973			
	SOIL FUMIGATION/PREPLANT	7.5900	3	227.50	A
	SORGHUM (FORAGE - FODDER)	0.6840	3	20.00	A
	SPINACH	7.9049	5	280.00	A
	SUDANGRASS	3.3620	7	172.00	A
	SUGARBEET	0.7277	1	80.00	A
	TANGELO	15.5147	13	145.00	A
	TANGERINE	11.4978	11	115.00	A
	TOMATO	69.2594	45	2,153.11	A
	TOMATO, PROCESSING	283.9288	185	12,064.80	A
	UNKNOWN	1.1484	1	52.00	A
	WALNUT	762.3195	406	10,349.90	A

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<b>SODIUM DIOCTYLSULFOSUCCINATE</b>					
	WHEAT	17.0606	9	1,096.50	A
	WHEAT (FORAGE - FODDER)	6.2146	4	449.00	A
	Chemical Total	11,139.4128	8,453		
<b>SODIUM DODECYLBENZENE SULFONATE</b>					
	ALFALFA	16.9054	91	6,530.06	A
	ALMOND	17.1162	55	2,831.50	A
	APRICOT	0.7187	4	80.74	A
	ASPARAGUS	0.1316	1	45.00	A
	BEAN, DRIED	1.0941	14	635.13	A
	BEAN, UNSPECIFIED	0.1388	2	100.00	A
	BLUEBERRY	0.2440	1	25.00	A
	CHERRY	2.2096	15	349.00	A
	CORN (FORAGE - FODDER)	0.1666	5	187.00	A
	CORN, HUMAN CONSUMPTION	0.0171	1	7.00	A
	COTTON	0.5497	7	513.00	A
	GRAPE	12.5286	40	1,641.00	A
	ORANGE	6.0544	4	231.00	A
	PEACH	2.5074	21	522.85	A
	STRUCTURAL PEST CONTROL	0.0113			
	SUGARBEET	0.0278	1	62.50	A
	SWEET POTATO	0.2308	4	98.00	A
	TOMATILLO	0.0195	1	7.00	A
	TOMATO	1.0618	17	649.00	A
	TOMATO, PROCESSING	1.1133	10	712.00	A
	WALNUT	2.5392	10	191.00	A
	Chemical Total	65.3859	304		
<b>SODIUM FLUORIDE</b>					
	RICE	43.2537	1	55.50	A
	RIGHTS OF WAY	109,120.9423			
	STRUCTURAL PEST CONTROL	0.1800			
	Chemical Total	109,164.3760	1		
<b>SODIUM FLUOSILICATE</b>					
	STRUCTURAL PEST CONTROL	0.0450			
	Chemical Total	0.0450			
<b>SODIUM HYPOCHLORITE</b>					
	ALMOND	20.5295	5	323.50	A
	ANIMAL PREMISE	5,983.8142		690.00	U
		2,714.0280		537.00	A
	TOTAL POUNDS ON THIS COMMODITY	8,697.8422			
	APPLE	560.9589		5,163.00	T
	ASPARAGUS	1,451.2943		49,507.00	T
		175.9962		3,075.40	U
		104.5727		1,286,020.00	P
	TOTAL POUNDS ON THIS COMMODITY	1,731.8632			
	CARROT	262,592.0212		1,624,908.00	T
	CHERRY	3,690.8564		21,862.00	U
		3,551.0790		4,124.00	T
	TOTAL POUNDS ON THIS COMMODITY	7,241.9354			
	CITRUS	8,998.0702		1,105,141.10	T
		1,999.7175		12,796,713.00	U
		699.9699		3,149,600.00	C
		6.1349	5	58.00	A
	TOTAL POUNDS ON THIS COMMODITY	11,703.8925			
	COMMODITY FUMIGATION	5,006.2962			
	EGG	89.0919		2,445,221.00	U
	EGGPLANT	77.4690		336.00	T
	FOOD PROCESSING PLANT	66.2235		424,000.00	U
	FUMIGATION, OTHER	16,139.5848			

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<b>SODIUM HYPOCHLORITE</b>					
	GRAPE	4.8167	4	76.50	A
	GRAPE, WINE	2,907.3849	265	4,636.25	A
	LANDSCAPE MAINTENANCE	22,436.0145			
	LEMON	41,699.4814		568,129.56	T
		1,262.3511		7,626.00	U
		608.4305		816.00	A
	TOTAL POUNDS ON THIS COMMODITY	43,570.2630			
	N-GRNHS PLANTS IN CONTAINERS	0.1966	1	140,000.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.2348	1	10.00	U
	NECTARINE	440.1725		21,571.20	T
		212.5059		1,682,773.00	U
		64.5742		225.00	A
	TOTAL POUNDS ON THIS COMMODITY	717.2526			
	ORANGE	62,364.6348		1,716,648.34	T
		1,045.1358		33,368.00	U
		0.4855	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	63,410.2561			
	PEACH	723.8034		26,147.25	T
		356.8077		2,858,732.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,080.6111			
	PEAR	625.9329		3,206.60	T
	PEPPER, FRUITING	2,797.6305		22,356.00	T
		0.0125	1	0.25	A
	TOTAL POUNDS ON THIS COMMODITY	2,797.6430			
	PERSIMMON	159.9360		27,592.00	T
	PLUM	544.6154		13,470.30	T
		42.3117		363,633.00	U
	TOTAL POUNDS ON THIS COMMODITY	586.9271			
	POME FRUIT	5.6228		706.00	T
	POMEGRANATE	551.0295		11,758.00	T
		9.0980		200,000.00	P
	TOTAL POUNDS ON THIS COMMODITY	560.1275			
	PUBLIC HEALTH	158.7906			
	REGULATORY PEST CONTROL	5,142.8990			
	RIGHTS OF WAY	196.3222			
	STRAWBERRY	0.1765	3	142.00	A
	STRUCTURAL PEST CONTROL	5,135.9573			
	TANGELO	29.9880		2,400.00	T
	TANGERINE	369.9874		13,678.61	T
	TOMATO	44,881.3653		276,988.90	T
		1,744.7685		4,800.00	U
	TOTAL POUNDS ON THIS COMMODITY	46,626.1338			
	TOMATO, PROCESSING	2,550.0462		7,049.00	T
	WATER (INDUSTRIAL)	6,110.0266		73.00	U
		235.8372		5.00	A
	TOTAL POUNDS ON THIS COMMODITY	6,345.8638			
	Chemical Total	519,347.0927	286		
<b>SODIUM LAUROAMPHO ACETATE</b>					
	STRUCTURAL PEST CONTROL	4.9952			
	Chemical Total	4.9952			
<b>SODIUM LAURYL SULFATE</b>					
	STRUCTURAL PEST CONTROL	3.3729			
	Chemical Total	3.3729			
<b>SODIUM METABORATE TETRAHYDRATE</b>					
	LANDSCAPE MAINTENANCE	276.4500			
	RIGHTS OF WAY	3,860.6000			
	Chemical Total	4,137.0500			

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<b>SODIUM METASILICATE</b>					
	FUMIGATION, OTHER	5.7702			
	GRAPE, WINE	1.0500	1	42.00	A
	LANDSCAPE MAINTENANCE	0.0241			
	STRUCTURAL PEST CONTROL	0.0141			
	Chemical Total	6.8584	1		
<b>SODIUM NITRATE</b>					
	ALMOND	54.2471	4	96.00	A
	CHERRY	8.4469	1	23.00	A
	LANDSCAPE MAINTENANCE	327.7096			
	N-OUTDR TRANSPLANTS	5.0681	3	8.00	A
	OAT (FORAGE - FODDER)	3.3125	1	70.00	A
	PEAR	2.8720	7	60.00	A
	RANGELAND	5.5186	1	5.00	A
	REGULATORY PEST CONTROL	29.8126			
	RESEARCH COMMODITY	0.1733			
	RIGHTS OF WAY	971.0365			
	STRUCTURAL PEST CONTROL	6.7050			
	VERTEBRATE CONTROL	787.1025			
	WALNUT	19.8750	1	30.00	A
	Chemical Total	2,221.8797	18		
<b>SODIUM PERSULFATE</b>					
	RIGHTS OF WAY	0.1875			
	Chemical Total	0.1875			
<b>SODIUM POLYACRYLATE</b>					
	ALFALFA	401.6600	169	10,619.80	A
	ALMOND	34.6575	47	2,403.05	A
	AVOCADO	0.8140	3	14.50	A
	BARLEY	1.8829	1	65.00	A
	BEAN, DRIED	7.5789	5	209.30	A
	BEAN, SUCCULENT	0.7995	1	55.00	A
	BROCCOLI	4.3742	3	104.00	A
	CABBAGE	0.5794	1	4.00	A
	CANTALOUPE	2.7172	1	75.00	A
	CELERY	0.0672	1	5.40	A
	CORN (FORAGE - FODDER)	45.4934	20	1,390.10	A
	CORN, HUMAN CONSUMPTION	143.9252	97	3,258.00	A
	COTTON	204.4803	192	21,123.98	A
	DITCH BANK	4.0556	2	112.00	A
	FORAGE HAY/SILAGE	1.0139	1	21.00	A
	GARLIC	1.7381	1	75.00	A
	GRAPE	0.6518	1	18.00	A
	GRAPE, WINE	385.5939	321	7,331.15	A
	GRAPEFRUIT	0.1796	1	5.00	A
	LANDSCAPE MAINTENANCE	16.1377			
	LEMON	17.7895	19	365.00	A
	LETTUCE, HEAD	2.2479	2	62.00	A
	MINT	6.0445	9	435.00	A
	N-OUTDR FLOWER	13.1082	8	49.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.1448	2	2.00	A
	OAT (FORAGE - FODDER)	10.2114	3	135.00	A
	OLIVE	0.1448	1	9.00	A
	ONION, DRY	14.3857	7	496.15	A
	ORANGE	87.1841	75	2,757.00	A
	PASTURELAND	1.1787	3	80.00	A
	PEACH	16.0253	42	1,013.85	A
	PEAR	16.5609	5	140.50	A
	PECAN	2.2074	25	313.85	A
	PEPPER, FRUITING	0.2100	2	9.50	A
	PLUM	2.3464	14	142.50	A
	POTATO	8.7963	16	984.00	A
	PRUNE	31.4945	15	2,085.50	A
	RANGELAND	53.2439	15	550.00	A

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<b>SODIUM POLYACRYLATE</b>					
	RICE	10.1389	1	140.00	A
	RIGHTS OF WAY	191.9519			
	RYEGRASS	8.1112	3	112.00	A
	SAFFLOWER	12.9489	14	758.00	A
	SOIL FUMIGATION/PREPLANT	49.5997	10	514.30	A
	SOYBEAN	95.5016	8	467.00	A
	STRAWBERRY	61.9924	4	214.00	A
	SUNFLOWER	6.5179	4	197.00	A
	TANGELO	0.6699	3	55.00	A
	TANGERINE	0.4056	1	7.00	A
	TOMATO	21.7205	14	581.60	A
	TOMATO, PROCESSING	80.6176	96	6,741.00	A
	UNCULTIVATED AG	355.8179	232	14,812.45	A
	UNCULTIVATED NON-AG	1.7381	1	20.00	A
	WALNUT	7.5651	14	353.00	A
	WHEAT	62.6739	21	897.20	A
	WHEAT (FORAGE - FODDER)	3.9470	2	109.00	A
	Chemical Total	2,513.6427	1,559		
<b>SODIUM POLYSULFIDE</b>					
	RICE	1,512.0000	1	150.00	A
	STRUCTURAL PEST CONTROL	4.2000			
	Chemical Total	1,516.2000	1		
<b>SODIUM TETRABORATE (PENTAHYDRATE)</b>					
	STRUCTURAL PEST CONTROL	0.0312			
	Chemical Total	0.0312			
<b>SODIUM TETRATHIOCARBONATE</b>					
	ALMOND	3,518.8519	4	150.00	A
	CHRISTMAS TREE	63.5746	1	5.12	A
	GRAPE	195,555.4104	84	6,185.95	A
	GRAPE, WINE	54,598.5632	30	2,028.32	A
	LEMON	1,397.6966	3	25.50	A
	PEACH	3,719.1118	3	79.96	A
	RANGELAND	689.1482	2	21.80	A
	Chemical Total	259,542.3567	127		
<b>SODIUM THIOSULFATE</b>					
	RICE	252.0000	1	150.00	A
	STRUCTURAL PEST CONTROL	0.7000			
	Chemical Total	252.7000	1		
<b>SODIUM XYLENE SULFONATE</b>					
	ALFALFA	196.0108	545	28,326.03	A
	ALMOND	618.1997	423	40,567.95	A
	ANIMAL PREMISE	0.6219		6.00	U
	APPLE	6.1436	39	447.50	A
	APRICOT	1.3530	12	136.92	A
	ARRUGULA	0.0246	1	1.50	A
	ARTICHOKE, GLOBE	1.0626	8	116.30	A
	ASPARAGUS	13.5079	30	1,617.00	A
	AVOCADO	13.2890	247	1,859.80	A
	BEAN, DRIED	17.1346	47	2,865.60	A
	BEAN, SUCCULENT	11.3830	41	1,805.10	A
	BEAN, UNSPECIFIED	8.7058	38	1,189.80	A
	BEEF	0.0246	1	1.50	A
	BLACKBERRY	4.2474	43	325.82	A
	BLUEBERRY	0.2616	5	24.10	A
	BOK CHOY	2.1319	147	243.46	A
	BROCCOLI	273.0075	2,128	24,966.05	A
		0.1249	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	273.1324			

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<b>SODIUM XYLENE SULFONATE</b>					
	BRUSSELS SPROUT	0.3565	7	36.50	A
	CABBAGE	35.9039	298	2,446.35	A
	CANTALOUPE	6.6003	16	893.50	A
	CARROT	6.3141	63	558.60	A
	CAULIFLOWER	64.8575	571	5,027.05	A
	CELERIAC	0.0542	1	5.00	A
	CELERY	76.2434	801	6,310.30	A
	CHERRY	20.0335	38	902.50	A
	CHICORY	0.5685	7	60.50	A
	CHINESE CABBAGE (NAPPA)	11.4121	368	1,198.64	A
	CHIVE	0.0920	17	16.50	A
	CHRISTMAS TREE	0.4960	1	14.00	A
	CILANTRO	0.1234	2	13.60	A
	CITRUS	0.7163	5	70.00	A
	COLE CROP	0.0542	1	5.00	A
	COLLARD	0.3663	1	17.00	A
	CORN (FORAGE - FODDER)	27.1039	60	3,755.25	A
	CORN, HUMAN CONSUMPTION	4.0227	20	654.50	A
	COTTON	452.2641	1,244	48,480.33	A
	CUCUMBER	15.6923	48	1,546.15	A
	EGGPLANT	0.0325	1	10.00	A
	ENDIVE (ESCAROLE)	2.0285	43	201.90	A
	FENNEL	1.4424	22	169.50	A
	FIG	10.5310	19	1,900.00	A
	FORAGE HAY/SILAGE	1.0283	6	235.00	A
	FUMIGATION, OTHER	0.3203			
	GARLIC	0.7872	1	180.00	A
	GRAPE	437.4002	940	42,970.95	A
	GRAPE, WINE	377.0012	877	53,452.46	A
	GRAPEFRUIT	0.4980	4	67.00	A
	HERB, SPICE	0.7528	93	185.55	A
	KALE	0.3577	10	32.38	A
	KOHLRABI	0.0144	1	2.00	A
	LANDSCAPE MAINTENANCE	130.8016			
		0.0437	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	130.8453			
	LEMON	21.3952	45	969.50	A
	LETTUCE, HEAD	742.1538	4,795	60,334.48	A
	LETTUCE, LEAF	453.4756	3,465	30,886.65	A
	LIME	0.0751	1	7.00	A
	MELON	4.7256	16	808.90	A
	MINT	0.0162	3	5.00	A
	MUSTARD	1.0469	43	63.80	A
	N-GRNHS FLOWER	33.7965	544	1,587.62	A
		29.2974	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	63.0939			
	N-GRNHS PLANTS IN CONTAINERS	24.6103	683	1,719.23	A
		2.7567	243	5,930,801.82	S
		0.0123	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	27.3793			
	N-GRNHS TRANSPLANTS	0.8309	7	960,000.00	S
		0.3999	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	1.2308			
	N-OUTDR FLOWER	27.9881	716	3,539.78	A
		0.2783	24	145,460.00	S
		0.2706	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	28.5370			
	N-OUTDR PLANTS IN CONTAINERS	28.7135	1,068	1,197.72	A
		4.5517	278	15,457,544.50	S
		0.8883	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	34.1535			
	N-OUTDR TRANSPLANTS	17.8998	259	28,614,935.00	S
		0.3007	1	180,000.00	U
		0.0738	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	18.2743			
	NECTARINE	55.7684	273	4,820.03	A
	OAT	0.2624	1	45.00	A
	OAT (FORAGE - FODDER)	0.0875	1	20.00	A

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<b>SODIUM XYLENE SULFONATE</b>					
	OLIVE	2.8112	6	249.00	A
	ONION, DRY	27.0823	114	2,196.88	A
	ONION, GREEN	3.4329	45	247.90	A
	ORANGE	247.8553	308	10,050.17	A
	PARSLEY	0.5179	13	71.80	A
	PEACH	76.9194	290	6,698.98	A
	PEAR	0.4474	11	54.50	A
	PEAS	2.5174	22	221.95	A
	PECAN	0.5685	3	30.00	A
	PEPPER, FRUITING	29.2168	215	3,252.55	A
	PEPPER, SPICE	2.5882	17	371.50	A
	PERSIMMON	0.4289	8	60.50	A
	PISTACHIO	203.5642	272	21,195.20	A
	PLUM	26.4270	153	2,711.63	A
	POMEGRANATE	0.3499	4	26.00	A
	POTATO	10.7837	34	1,576.80	A
	POULTRY	0.8401		32.00	U
	PRUNE	1.4276	9	73.00	A
	PUMPKIN	0.8784	12	103.85	A
	RADISH	0.3717	26	13.50	A
	RAPPINI	4.5987	22	229.20	A
	RASPBERRY	19.7882	140	2,106.19	A
	RESEARCH COMMODITY	0.1395			
	RIGHTS OF WAY	52.9313			
	SAGE	0.0541	8	12.00	A
	SORGHUM/MILO	0.5125	2	78.12	A
	SPINACH	0.9703	24	145.32	A
	SQUASH	5.2041	44	581.70	A
	SQUASH, SUMMER	2.2621	20	222.10	A
	SQUASH, WINTER	0.0332	1	6.00	A
	STRAWBERRY	363.1934	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	73.8099			
	SUDANGRASS	0.7391	3	52.00	A
	SUGARBEET	7.9440	35	2,149.00	A
	SUNFLOWER	0.6623	4	100.70	A
	TANGELO	8.3143	22	185.75	A
	TANGERINE	3.3785	14	490.00	A
	TARRAGON	0.0379	7	7.00	A
	TOMATILLO	0.3210	2	30.00	A
	TOMATO	26.4262	78	4,344.40	A
	TOMATO, PROCESSING	66.6673	117	7,580.20	A
	TURNIP	0.3034	25	18.50	A
	UNCULTIVATED AG	3.8010	26	384.60	A
	UNCULTIVATED NON-AG	0.2370	2	9.00	A
	UNKNOWN	0.0108	2	3.00	A
	VEGETABLES, LEAFY	0.2120	2	13.50	A
	VERTEBRATE CONTROL	1.1370			
		0.2546	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	1.3916			
	WALNUT	148.1703	208	6,621.00	A
	WATERMELON	22.5696	72	2,791.70	A
	WHEAT	20.1058	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	0.9525	5	207.40	A
	Chemical Total	5,779.9956	25,903		
<b>SORBITAN FATTY ACID ESTERS</b>					
	ALFALFA	756.2568	549	31,648.49	A
	ALMOND	2,188.2224	1,185	59,356.54	A
	APPLE	22.8478	11	400.22	A
	APRICOT	2.8645	15	149.50	A
	ASPARAGUS	1.0496	1	18.00	A
	BARLEY	0.2797	2	54.00	A
	BEAN, DRIED	1.0251	1	20.00	A
	BEAN, SUCCULENT	1.8708	4	95.00	A
	BEAN, UNSPECIFIED	1.7073	7	58.50	A
	BERMUDAGRASS	8.0135	4	398.00	A
	BLUEBERRY	0.7993	4	45.00	A

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<b>SORBITAN FATTY ACID ESTERS</b>					
	BOK CHOY	0.2050	1	10.00	A
	BROCCOLI	25.5873	35	1,235.40	A
	BRUSSELS SPROUT	1.0916	6	24.92	A
	CABBAGE	0.1475	3	60.20	A
	CANOLA (RAPE)	0.4100	2	70.00	A
	CANTALOUPE	10.0479	5	640.00	A
	CARROT	29.8704	21	1,153.00	A
	CAULIFLOWER	8.6938	12	633.00	A
	CELERY	2.3371	12	66.50	A
	CHERRY	16.8433	49	724.73	A
	CHESTNUT	0.0997	7	24.00	A
	CHINESE CABBAGE (NAPPA)	0.8201	2	40.00	A
	CITRUS	0.0609	1	65.00	A
	CORN (FORAGE - FODDER)	33.5396	52	2,455.71	A
	CORN, HUMAN CONSUMPTION	17.0633	26	948.70	A
	COTTON	2,209.5378	1,882	154,732.05	A
	CUCUMBER	2.9155	1	42.00	A
	DITCH BANK	0.2563	1	10.00	A
	EGGPLANT	0.1691	2	33.00	A
	FORAGE HAY/SILAGE	0.4408	3	85.00	A
	GARLIC	7.1429	4	294.00	A
	GRAPE	557.4584	372	13,842.38	A
	GRAPE, WINE	42.2903	113	3,654.54	A
	GRAPEFRUIT	1.5569	7	53.10	A
	KALE	0.5108	4	8.75	A
	KIWI	12.4512	23	185.62	A
	LANDSCAPE MAINTENANCE	1.1566			
		0.0474	1	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.2040			
	LEMON	1.8764	20	549.64	A
	LETTUCE, HEAD	2.5627	6	116.50	A
	LETTUCE, LEAF	6.2902	14	514.00	A
	MELON	1.9231	1	150.00	A
	N-GRNHS FLOWER	0.0729	8	4.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.1538	1	6.00	A
	NECTARINE	14.4754	67	772.54	A
	OAT	0.8344	3	115.00	A
	OAT (FORAGE - FODDER)	0.1025	1	28.00	A
	OLIVE	10.0026	44	716.15	A
	ONION, DRY	17.8222	14	1,175.00	A
	ORANGE	103.9050	495	8,190.03	A
	PASTURELAND	0.5653	2	110.30	A
	PEACH	79.6671	195	2,834.01	A
	PEAS	0.0303	1	1.00	A
	PEPPER, FRUITING	0.3286	5	135.00	A
	PISTACHIO	42.1820	105	4,247.00	A
	PLUM	69.3572	241	3,933.28	A
	POMEGRANATE	0.0460	1	7.00	A
	POTATO	31.3076	41	2,372.00	A
	PRUNE	146.7872	109	4,177.90	A
	PUBLIC HEALTH	3.0753			
	PUMPKIN	0.0595	1	4.60	A
	RANGELAND	8.5797	9	340.00	A
	REGULATORY PEST CONTROL	54.3075			
		32.7680		571.55	A
		0.0002		294.42	S
	TOTAL POUNDS ON THIS COMMODITY	87.0757			
	RICE	6,018.9673	1,737	123,047.90	A
	RIGHTS OF WAY	196.0732			
		0.9149	1	35.70	A
	TOTAL POUNDS ON THIS COMMODITY	196.9881			
	RYEGRASS	8.4057	3	164.00	A
	SOIL FUMIGATION/PREPLANT	10.4048	3	192.80	A
	SQUASH	0.5125	1	10.00	A
	SQUASH, SUMMER	0.3588	2	40.00	A
	STONE FRUIT	1.3675	1	10.00	A
	STRAWBERRY	1.4827	3	215.00	A
	STRUCTURAL PEST CONTROL	12.1999			



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<b>SORBITAN FATTY ACID ESTERS</b>					
	SUGARBEET	18.1957	17	748.30	A
	SUNFLOWER	4.2603	5	231.10	A
	TANGELO	0.2787	4	99.00	A
	TANGERINE	0.6215	6	70.00	A
	TOMATO	7.0629	4	733.10	A
	TOMATO, PROCESSING	9.4994	18	2,132.10	A
	UNCULTIVATED AG	9.1105	25	1,469.30	A
	UNCULTIVATED NON-AG	5.8676	19	281.50	A
	UNKNOWN	8.9214	1	153.00	A
	WALNUT	145.5504	269	7,730.86	A
	WATER AREA	7.8803	1	164.50	A
	WATERMELON	7.5373	5	281.00	A
	WHEAT	16.7561	35	1,586.80	A
	WHEAT (FORAGE - FODDER)	4.4567	4	259.80	A
Chemical Total		13,093.4571	7,978		
<b>SORBITAN TRIOLEATE</b>					
	ALFALFA	18.5833	54	3,425.00	A
	ALMOND	32.6931	19	763.00	A
	CARROT	2.2949	8	207.60	A
	COTTON	8.0898	5	399.33	A
	DATE	0.1529	1	5.50	A
	ONION, DRY	3.2019	27	167.50	A
	PEACH	0.7089	3	25.50	A
	PERSIMMON	0.8201	5	29.50	A
	PRUNE	2.8341	4	122.50	A
	RIGHTS OF WAY	3.0234			
	WALNUT	0.0232	2	20.00	A
	WHEAT (FORAGE - FODDER)	10.2576	12	553.00	A
Chemical Total		82.6832	140		
<b>SORBITOL</b>					
	ALFALFA	161.3492	68	4,462.90	A
	ALMOND	88.2290	32	1,167.50	A
	ASPARAGUS	1.5035	1	45.00	A
	BEAN, DRIED	11.7876	13	565.13	A
	BEAN, UNSPECIFIED	1.5859	2	100.00	A
	BLUEBERRY	2.7888	1	25.00	A
	CHERRY	25.2521	15	349.00	A
	COTTON	4.1341	5	370.00	A
	GRAPE	139.9296	39	1,604.00	A
	ORANGE	69.1933	4	231.00	A
	PEACH	21.6507	18	453.95	A
	SWEET POTATO	2.6373	4	98.00	A
	TOMATILLO	0.2227	1	7.00	A
	TOMATO	12.1351	17	649.00	A
	TOMATO, PROCESSING	12.7231	10	712.00	A
	WALNUT	29.0191	10	191.00	A
Chemical Total		584.1411	240		
<b>SOYBEAN FATTY ACIDS, DIMETHYLAMINE SALT</b>					
	ALFALFA	170.5950	436	25,272.90	A
	ALMOND	241.0146	338	18,440.22	A
	APPLE	2.6498	6	273.00	A
	APRICOT	0.0060	4	84.00	A
	ARTICHOKE, GLOBE	75.3499	149	4,674.15	A
	ASPARAGUS	28.9942	38	1,288.70	A
	AVOCADO	0.7691	9	74.50	A
	BARLEY	24.8142	42	2,452.20	A
	BARLEY (FORAGE - FODDER)	2.5618	11	372.00	A
	BEAN, DRIED	12.5266	14	1,089.60	A
	BEAN, SUCCULENT	4.1428	36	507.48	A
	BERMUDAGRASS	0.3951	1	46.00	A
	BOK CHOY	0.0919	1	10.00	A

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<b>SOYBEAN FATTY ACIDS, DIMETHYLAMINE SALT</b>					
	BROCCOLI	36.8750	143	2,594.22	A
		0.0227	5	229,230.00	S
	TOTAL POUNDS ON THIS COMMODITY	36.8977			
	CANTALOUPE	3.5375	2	154.00	A
	CARDOON	0.3326	6	18.34	A
	CARROT	23.9789	89	3,010.36	A
	CAULIFLOWER	25.4822	159	2,294.54	A
	CELERY	10.5341	76	656.80	A
	CHERRY	4.4405	21	336.50	A
	CHINESE CABBAGE (NAPPA)	0.3675	2	40.00	A
	CLOVER	0.5508	3	93.00	A
	CORN (FORAGE - FODDER)	164.1963	206	11,356.28	A
	CORN, HUMAN CONSUMPTION	29.8240	205	5,438.82	A
	COTTON	596.2790	709	58,865.21	A
	EGGPLANT	0.2077	1	9.00	A
	ENDIVE (ESCAROLE)	0.2708	23	36.70	A
	FENNEL	2.7839	24	146.60	A
	FORAGE HAY/SILAGE	4.9539	16	454.46	A
	GARLIC	6.7386	14	1,130.60	A
	GRAIN	0.3326	6	46.00	A
	GRAPE	15.6931	89	1,798.64	A
	GRAPE, WINE	68.0363	209	6,608.05	A
	GRAPEFRUIT	26.7026	88	912.56	A
	GRASS, SEED	0.5732	4	81.60	A
	KALE	0.0221	1	2.00	A
	LANDSCAPE MAINTENANCE	19.5662			
	LEMON	1.9709	6	178.03	A
	LETTUCE, HEAD	4.6153	26	317.52	A
	LETTUCE, LEAF	13.9229	113	1,258.54	A
	MELON	0.1240	1	2.70	A
	N-OUTDR FLOWER	0.1858	1	21.20	A
	N-OUTDR PLANTS IN CONTAINERS	0.5111	3	89.00	A
	N-OUTDR TRANSPLANTS	0.2490	2	40.01	A
		0.0851	25	1,396,809.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.3341			
	NECTARINE	0.0034	7	96.74	A
	OAT	10.8918	45	1,427.30	A
	OAT (FORAGE - FODDER)	21.3690	76	3,100.07	A
	ONION, DRY	4.1395	25	663.80	A
	ORANGE	199.5688	341	8,268.15	A
	ORCHARD FLOOR	0.0689	1	6.00	A
	PARSLEY	0.5072	9	23.50	A
	PASTURELAND	2.2581	6	311.00	A
	PEACH	0.0017	8	138.80	A
	PEAR	8.5112	20	859.30	A
	PEAS	1.2202	16	182.20	A
	PEPPER, FRUITING	3.1339	11	144.00	A
	PEPPER, SPICE	4.0566	16	264.10	A
	PISTACHIO	7.7696	2	571.20	A
	PLUM	0.0006	2	8.00	A
	POTATO	7.8990	13	689.35	A
	PRUNE	1.2239	1	111.00	A
	PUBLIC HEALTH	101.9387			
	PUMPKIN	0.9188	1	100.00	A
	RANGELAND	6.5512	8	737.00	A
	RAPPINI	12.5936	74	1,739.36	A
	REGULATORY PEST CONTROL	0.0454			
	RICE	200.3296	497	26,295.31	A
	RIGHTS OF WAY	153.3810			
		0.2526	3	55.50	A
	TOTAL POUNDS ON THIS COMMODITY	153.6336			
	RYE	1.3819	5	141.10	A
	RYEGRASS	5.5248	15	719.70	A
	SAFFLOWER	70.3275	35	6,560.30	A
	SOIL FUMIGATION/PREPLANT	139.4915	114	6,275.62	A
	SORGHUM (FORAGE - FODDER)	1.9231	3	335.00	A
	SORGHUM/MILO	3.1745	8	400.00	A
	SOYBEAN	0.9868	1	86.00	A

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<b>SOYBEAN FATTY ACIDS, DIMETHYLAMINE SALT</b>					
	SPINACH	18.0337	150	1,179.97	A
	SQUASH, SUMMER	0.2077	1	9.00	A
	STRUCTURAL PEST CONTROL	0.7001			
	SUDANGRASS	0.0588	1	13.80	A
	SUGARBEET	9.3059	12	825.00	A
	SUNFLOWER	15.8656	34	3,026.00	A
	TANGELO	19.6503	27	790.35	A
	TANGERINE	1.9070	10	70.70	A
	TOMATO	13.7429	10	688.45	A
	TOMATO, PROCESSING	21.3503	42	2,340.00	A
	UNCULTIVATED AG	129.6402	329	10,810.35	A
		1.3266	2	80.00	U
	TOTAL POUNDS ON THIS COMMODITY	130.9668			
	UNCULTIVATED NON-AG	3.7902	4	126.00	A
	WALNUT	10.9924	21	798.30	A
	WATER AREA	0.3331		9.32	A
	WATERMELON	1.0668	7	44.29	A
	WHEAT	220.6550	387	25,754.39	A
	WHEAT (FORAGE - FODDER)	25.8409	82	4,857.07	A
	Chemical Total	3,093.7891	5,845		
<b>SOYBEAN OIL</b>					
	ALFALFA	3,173.0249	91	3,680.45	A
	ALMOND	36,499.5194	45	2,707.00	A
	APPLE	7.1271	1	0.50	A
	APRICOT	57.0172	2	4.00	A
	BEAN, SUCCULENT	14.8748	1	16.90	A
	BLACKBERRY	37.4175	3	21.00	A
	BROCCOLI	4,434.3246	95	783.14	A
	BRUSSELS SPROUT	21.3814	3	12.00	A
	CABBAGE	66.6012	51	58.34	A
	CARROT	372.7499	5	208.69	A
	CAULIFLOWER	1,724.5365	37	278.55	A
	CELERY	116.2020	10	128.50	A
	CHICORY	1,330.7812	19	114.90	A
	COLLARD	21.9408	14	22.42	A
	COTTON	863.5724	41	1,015.60	A
	EGGPLANT	7.9661	1	9.00	A
	GRAPE	332.6924	10	97.40	A
	GRAPE, WINE	20.8804	2	16.00	A
	KALE	63.3177	24	72.94	A
	LANDSCAPE MAINTENANCE	50.7968			
		18.1417	1	5.00	A
	TOTAL POUNDS ON THIS COMMODITY	68.9385			
	LETTUCE, LEAF	308.7186	39	203.20	A
	N-GRNHS PLANTS IN CONTAINERS	28.5086	7	3.92	A
	N-OUTDR TRANSPLANTS	185.3060	27	25.32	A
	ORANGE	142.5430	1	8.00	A
	PEACH	132.5323	7	56.50	A
	PEPPER, FRUITING	23.6203	2	31.00	A
	RIGHTS OF WAY	98.3217			
	SPINACH	55.6451	56	122.62	A
	SQUASH	12.4725	2	7.00	A
	SWISS CHARD	78.6622	54	159.96	A
	Chemical Total	50,301.1963	651		
<b>SPINOSAD</b>					
	ALMOND	1,449.0996	305	18,492.01	A
	APPLE	192.8614	79	1,557.32	A
		0.0098	1	14.00	U
	TOTAL POUNDS ON THIS COMMODITY	192.8712			
	APRICOT	203.9150	61	2,012.18	A
	ARRUGULA	12.7379	61	127.52	A
	ARTICHOKE, GLOBE	929.6599	302	9,680.42	A
	ASPARAGUS	4.7840	4	82.00	A
	AVOCADO	819.6891	343	5,199.50	A

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<b>SPINOSAD</b>					
	BASIL, SWEET	28.4360	62	288.20	A
	BEAN, DRIED	58.0997	16	665.00	A
	BEAN, SUCCULENT	79.9427	47	988.17	A
	BEAN, UNSPECIFIED	14.0176	10	151.00	A
	BEET	25.8845	194	322.75	A
	BLACKBERRY	2.8413	3	29.00	A
	BLUEBERRY	22.6753	9	233.00	A
	BOK CHOY	101.3044	734	1,191.81	A
	BROCCOLI	3,330.3341	2,493	42,892.82	A
	BRUSSELS SPROUT	202.8588	205	2,569.84	A
	CABBAGE	974.8038	1,273	11,350.25	A
	CANTALOUPE	399.8993	80	4,944.00	A
	CARDON	5.1863	13	60.13	A
	CARROT	248.6673	67	3,201.70	A
	CAULIFLOWER	1,000.1362	869	13,698.57	A
	CELERIAC	5.2856	9	49.00	A
	CELERY	3,443.3505	3,094	36,050.05	A
	CHERRY	90.3211	44	961.00	A
	CHICORY	100.3628	107	1,091.61	A
	CHINESE CABBAGE (NAPPA)	174.6299	432	2,001.04	A
	CHINESE GREENS	1.8769	53	97.50	A
	CHIVE	0.0653	1	1.00	A
	CILANTRO	19.8151	64	224.43	A
	CITRUS	71.9554	46	698.33	A
	COLE CROP	1.9429	1	19.90	A
	COLLARD	98.4313	202	1,236.10	A
	CORN (FORAGE - FODDER)	7.5895	9	80.50	A
	CORN, HUMAN CONSUMPTION	341.3555	235	4,417.06	A
	COTTON	114.0049	59	2,900.11	A
	CUCUMBER	23.7199	24	292.13	A
	DANDELION GREEN	0.2101	4	2.93	A
	EGGPLANT	38.7620	24	355.20	A
	ENDIVE (ESCAROLE)	92.7179	244	971.35	A
	FENNEL	19.8581	23	267.90	A
	FIG	190.2639	16	1,367.50	A
	GAI CHOY	2.7786	11	57.00	A
	GAI LON	21.0418	21	307.30	A
	GRAPE	436.4180	97	4,670.31	A
	GRAPE, WINE	127.6036	69	1,335.04	A
	GRAPEFRUIT	61.8137	34	604.06	A
	GREENHOUSE FUMIGATION	0.0098		4,592.00	S
	HERB, SPICE	7.1300	54	125.61	A
	KALE	174.6100	469	2,307.53	A
	KOHLRABI	2.9617	64	47.35	A
	LANDSCAPE MAINTENANCE	52.0321			
	LEEK	0.5250	1	7.00	A
	LEMON	602.8912	159	5,419.04	A
	LETTUCE, HEAD	9,964.4152	7,275	125,115.71	A
		1.1309	22	202,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	9,965.5461			
	LETTUCE, LEAF	7,286.7329	8,275	90,634.51	A
	MANGO	1.0655	1	12.00	A
	MELON	267.0063	56	3,788.70	A
	MIZUNA	9.1824	55	93.00	A
	MUSTARD	118.3436	428	1,413.37	A
	N-GRNHS FLOWER	319.7959	1,075	2,850.62	A
		89.0732	382	15,746,279.30	S
	TOTAL POUNDS ON THIS COMMODITY	408.8691			
	N-GRNHS PLANTS IN CONTAINERS	182.4524	810	1,147.07	A
		38.8042	453	13,492,403.00	S
	TOTAL POUNDS ON THIS COMMODITY	221.2566			
	N-GRNHS TRANSPLANTS	37.7047	116	168.45	A
		15.8769	209	5,205,134.00	S
		0.0234			
	TOTAL POUNDS ON THIS COMMODITY	53.6050			

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<b>SPINOSAD</b>					
	N-OUTDR FLOWER	368.7651	965	3,927.17	A
		13.4560	72	3,878,260.00	S
		0.3513	1	60.00	U
	TOTAL POUNDS ON THIS COMMODITY	382.5724			
	N-OUTDR PLANTS IN CONTAINERS	428.8304	942	4,734.21	A
		21.8852	187	7,098,187.00	S
		3.6025	2	52,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	454.3181			
	N-OUTDR TRANSPLANTS	230.6209	401	3,332.38	A
		5.1248	30	2,128,176.00	S
	TOTAL POUNDS ON THIS COMMODITY	235.7457			
	NECTARINE	1,786.9808	1,417	17,210.98	A
	OLIVE	22.2467	6,470	112,739.16	A
		0.3657	320	32,496.14	U
	TOTAL POUNDS ON THIS COMMODITY	22.6124			
	ONION, GREEN	7.3943	21	97.50	A
	ORANGE	10,734.8366	3,215	95,971.23	A
	PARSLEY	25.6012	53	234.02	A
	PEACH	729.0954	485	6,920.83	A
	PEAR	122.7507	52	1,417.40	A
		0.0294	1	40.00	U
	TOTAL POUNDS ON THIS COMMODITY	122.7801			
	PEAS	299.8080	350	3,543.37	A
	PEPPER, FRUITING	2,207.9864	861	23,628.98	A
	PEPPER, SPICE	126.6951	67	1,278.40	A
	PIMENTO	0.8357	2	10.00	A
	PISTACHIO	470.1052	40	7,128.00	A
	PLUM	501.3608	353	4,612.97	A
	POTATO	148.2809	31	1,594.71	A
	PRUNE	36.4865	27	489.54	A
	PUMPKIN	27.9667	15	229.00	A
	QUINCE	0.0819	4	1.32	A
	RADISH	69.6815	123	710.63	A
	RAPPINI	300.6798	292	4,252.45	A
	RASPBERRY	96.6686	80	1,048.04	A
	REGULATORY PEST CONTROL	0.2869			
	RESEARCH COMMODITY	13.0048			
		1.1367	20	45.71	A
		0.1214	5	39,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.2629			
	RIGHTS OF WAY	4.8124			
		0.1306	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	4.9430			
	RUTABAGA	0.1240	1	1.00	A
	SOIL FUMIGATION/PREPLANT	2.5298	2	45.00	A
	SPINACH	3,442.8832	4,832	39,851.06	A
	SQUASH	21.1418	10	283.50	A
	SQUASH, SUMMER	1.9586	1	20.00	A
	SQUASH, WINTER	5.2229	2	78.00	A
	STRAWBERRY	4,581.5791	1,614	48,589.52	A
	STRUCTURAL PEST CONTROL	8.2987			
	SUGARBEET	511.1468	138	10,415.70	A
	SWISS CHARD	130.4653	567	1,501.45	A
	TANGELO	263.5235	100	2,397.51	A
	TANGERINE	771.3180	204	8,420.74	A
	TOMATILLO	5.5924	3	32.00	A
	TOMATO	1,431.0355	475	15,054.75	A
	TOMATO, PROCESSING	663.3923	85	6,939.71	A
	TURF/SOD	0.5152	1	1.25	A
	TURNIP	23.0862	76	285.14	A
	UNCULTIVATED AG	0.0513	33	136.10	A
	UNKNOWN	5.8102	22	67.60	A
	VEGETABLES, LEAFY	26.4606	24	277.65	A
	VERTEBRATE CONTROL	1.0446			
		0.0010	2	6.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.0456			
	WALNUT	71.1464	474	10,250.08	A
	WATERCRESS	2.0000	5	11.50	A

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<b>SPINOSAD</b>					
	WATERMELON	402.7574	174	4,191.20	A
	WHEAT	37.0935	16	675.80	A
	Chemical Total	65,984.0308	57,824		
<b>STARCH</b>					
	ALFALFA	0.0125	5	469.00	A
	ALMOND	0.0161	2	40.00	A
	APPLE	0.0259	12	243.50	A
	BEAN, SUCCULENT	0.0261	8	251.00	A
	BROCCOLI	0.0635	22	1,114.00	A
	CANTALOUPE	0.0086	1	51.40	A
	CARROT	0.0124	15	251.00	A
	CAULIFLOWER	0.0983	12	312.30	A
	CORN (FORAGE - FODDER)	0.0590	9	735.00	A
	CORN, HUMAN CONSUMPTION	1.1042	164	13,767.40	A
	FORAGE HAY/SILAGE	0.0122	5	91.50	A
	GRAPE, WINE	6.5281	2,150	50,046.82	A
	LANDSCAPE MAINTENANCE	0.0007			
	LETTUCE, HEAD	0.1022	81	1,082.50	A
	LETTUCE, LEAF	0.0920	44	732.85	A
	N-GRNHS FLOWER	0.0511	33	124.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0288	3	68.30	A
		0.0008	6	19,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0296			
	N-OUTDR FLOWER	1.6757	1,324	5,364.08	A
	N-OUTDR PLANTS IN CONTAINERS	0.6243	464	667.36	A
	N-OUTDR TRANSPLANTS	0.0585	16	175.46	A
	OLIVE	0.0034	1	17.30	A
	ONION, DRY	0.1745	79	1,911.23	A
	ORANGE	0.9913	88	2,896.00	A
	PEAR	0.0235	5	175.00	A
	PEAS	0.0458	6	178.00	A
	PEPPER, FRUITING	0.0655	6	196.80	A
	PUMPKIN	0.0028	3	70.00	A
	SOYBEAN	0.0064	2	243.00	A
	SQUASH	0.0085	3	35.00	A
	STRAWBERRY	1.4036	161	4,761.70	A
	TANGELO	0.0083	2	40.00	A
	TANGERINE	0.0390	2	365.00	A
	TOMATO	0.0084	2	105.00	A
	UNCULTIVATED AG	0.0024	1	6.00	A
	UNKNOWN	0.0020	1	7.00	A
	WALNUT	0.0660	21	506.50	A
	WATERMELON	0.0275	6	193.40	A
	Chemical Total	13.4799	4,765		
<b>STREPTOMYCES GRISEOVIRIDIS STRAIN K61</b>					
	N-GRNHS FLOWER	0.0165	1	18,750.00	S
	N-GRNHS PLANTS IN CONTAINERS	0.0638	2	60,000.00	S
	TOMATO	0.1091	12	2.77	A
		0.0132	8	15,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.1223			
	Chemical Total	0.2026	23		
<b>STREPTOMYCIN</b>					
	APPLE	204.0776	42	957.75	A
	LANDSCAPE MAINTENANCE	3.5325			
	N-GRNHS PLANTS IN CONTAINERS	0.5631	2	2.47	A
		0.1081	2	10,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6712			
	N-OUTDR FLOWER	2.9680	4	16.00	A
	N-OUTDR PLANTS IN CONTAINERS	53.0403	29	220.16	A
	N-OUTDR TRANSPLANTS	1.5900	6	10.00	A

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<b>STREPTOMYCIN</b>					
	PEAR	146.6114	41	2,962.00	A
	RIGHTS OF WAY	0.3180			
	Chemical Total	412.8090	126		
<b>STREPTOMYCIN SULFATE</b>					
	APPLE	2,053.1961	654	12,715.49	A
		0.0810	5	70.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,053.2771			
	BEAN, DRIED	28.7334		739.35	T
	COMMODITY FUMIGATION	1.2780			
	COTTON	0.1060	1	16.00	A
	GRAPE, WINE	2.6541	4	89.65	A
	LANDSCAPE MAINTENANCE	32.2116			
	MUSHROOM	0.1590	1	6,000.00	S
	N-GRNHS FLOWER	0.5350	2	10.06	A
	N-GRNHS PLANTS IN CONTAINERS	175.8880	161	162.37	A
		35.1263	150	2,759,603.00	S
		3.5543	21	720,875.00	U
	TOTAL POUNDS ON THIS COMMODITY	214.5686			
	N-GRNHS TRANSPLANTS	45.6892	87	196.59	A
		6.3396	17	532,418.00	S
	TOTAL POUNDS ON THIS COMMODITY	52.0288			
	N-OUTDR FLOWER	85.8232	74	528.01	A
		1.8683	6	429,557.00	S
	TOTAL POUNDS ON THIS COMMODITY	87.6915			
	N-OUTDR PLANTS IN CONTAINERS	259.5940	263	1,108.65	A
		13.8957	21	369,386.00	S
		5.8068	8	1,889,200.00	U
	TOTAL POUNDS ON THIS COMMODITY	279.2965			
	N-OUTDR TRANSPLANTS	19.2492	55	1,045,898.00	S
		2.0405	12	18.75	A
	TOTAL POUNDS ON THIS COMMODITY	21.2897			
	PEAR	1,918.2908	993	22,485.84	A
		0.2897	6	240.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,918.5805			
	PEPPER, SPICE	0.4240		0.20	A
	RESEARCH COMMODITY	8.7980			
		0.0123	5	6,240.00	S
	TOTAL POUNDS ON THIS COMMODITY	8.8103			
	RIGHTS OF WAY	0.4240			
	STRUCTURAL PEST CONTROL	0.0424			
	TOMATO	0.1458	2	11.00	A
	VERTEBRATE CONTROL	0.1325			
	Chemical Total	4,702.3888	2,548		
<b>STRYCHNINE</b>					
	ALFALFA	11.4504	46	2,156.05	A
	ALMOND	64.6068	171	10,314.76	A
		0.1575		433.00	T
	TOTAL POUNDS ON THIS COMMODITY	64.7643			
	ANIMAL PREMISE	0.0357		13.00	U
	APPLE	5.0698	36	1,203.50	A
	APRICOT	0.0105	1	1.50	A
	AVOCADO	16.2480	672	10,592.71	A
	CANTALOUPE	0.5400	1	150.00	A
	CHERIMOYA	0.0100	1	2.00	A
	CHERRY	19.2968	112	3,095.75	A
	CHRISTMAS TREE	0.0070	1	10.00	A
	CITRUS	0.0720	1	1.00	A
	COMMODITY FUMIGATION	0.0070			
	CORN (FORAGE - FODDER)	0.2500	1	25.00	A
	DATE	0.0050	2	40.00	A
	DITCH BANK	0.0805		22.00	A
	FORAGE HAY/SILAGE	0.2809	2	40.12	A
	FOREST, TIMBERLAND	4.7802	179	8,074.60	A

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<b>STRYCHNINE</b>					
	GRAPE	28.0003	52	1,451.85	A
	GRAPE, WINE	239.0952	468	12,392.79	A
		0.1003		1,044.33	U
	TOTAL POUNDS ON THIS COMMODITY	239.1955			
	GRAPEFRUIT	0.7216	32	250.70	A
	LANDSCAPE MAINTENANCE	299.1275			
	LEMON	5.5321	186	6,595.50	A
	LIME	0.0648	6	30.00	A
	MELON	0.5450	2	180.00	A
	N-GRNHS FLOWER	0.0925	3	4.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.1111	2	3.06	A
		0.0105	2	12,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.1216			
	N-OUTDR FLOWER	0.0096	7	9.50	A
	N-OUTDR PLANTS IN CONTAINERS	0.9705	75	1,953.88	A
		0.0019	1	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.9724			
	NECTARINE	2.2239	34	365.14	A
	OLIVE	9.3619	15	193.00	A
	ORANGE	27.0896	991	19,473.04	A
	ORCHARD FLOOR	0.1194	2	29.07	A
	PASTURELAND	0.5635	10	169.50	A
	PEACH	6.7704	62	1,011.87	A
	PEAR	1.3070	15	260.50	A
	PECAN	0.0500	1	10.00	A
	PERSIMMON	0.0126	5	13.60	A
	PISTACHIO	34.9400	26	2,103.50	A
	PLUM	0.8524	12	77.25	A
	POULTRY	0.0468		3.00	U
	PRUNE	5.9256	11	681.03	A
	RANGELAND	0.1049	3	9.00	A
	REGULATORY PEST CONTROL	0.0034			
	RESEARCH COMMODITY	1.1070			
	RIGHTS OF WAY	23.9922			
		0.0003	1	1.25	A
	TOTAL POUNDS ON THIS COMMODITY	23.9925			
	STRUCTURAL PEST CONTROL	25.6106			
	SWEET POTATO	0.7200	1	4.00	U
		0.0450	5	40.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.7650			
	TANGELO	0.4090	4	48.50	A
	TANGERINE	0.4225	10	499.36	A
	TURF/SOD	0.0034	1	20.00	A
	UNCULTIVATED AG	2.3140	4	53.00	A
	UNCULTIVATED NON-AG	1.8668	11	983.50	A
	VERTEBRATE CONTROL	320.4001			
		0.1566	9	117.80	A
	TOTAL POUNDS ON THIS COMMODITY	320.5567			
	WALNUT	37.3783	149	5,176.06	A
	WATERMELON	0.1250	1	20.00	A
	YAM	0.0050	1	15.00	A
	Chemical Total	1,201.2182	3,446		
<b>STYRENE BUTADIENE COPOLYMER</b>					
	ALFALFA	6.2604	5	469.00	A
	ALMOND	13.9692	3	120.00	A
	APPLE	12.9534	12	243.50	A
	BEAN, SUCCULENT	13.0536	8	251.00	A
	BROCCOLI	31.7474	22	1,114.00	A
	CANTALOUPE	4.2947	1	51.40	A
	CARROT	6.2123	15	251.00	A
	CAULIFLOWER	49.1662	12	312.30	A
	CITRUS	11.1787	8	61.00	A
	CORN (FORAGE - FODDER)	155.3247	23	3,048.40	A
	CORN, HUMAN CONSUMPTION	552.1097	164	13,767.40	A
	FORAGE HAY/SILAGE	6.1095	5	91.50	A



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<b>STYRENE BUTADIENE COPOLYMER</b>					
	GRAPE	42.8981	32	947.50	A
	GRAPE, WINE	3,357.7551	2,192	50,855.85	A
	GRAPEFRUIT	47.0645	4	99.00	A
	LANDSCAPE MAINTENANCE	2.9681			
	LEMON	473.6407	49	2,125.46	A
	LETTUCE, HEAD	51.1098	81	1,082.50	A
	LETTUCE, LEAF	45.9916	44	732.85	A
	N-GRNHS FLOWER	25.5732	33	124.00	A
	N-GRNHS PLANTS IN CONTAINERS	17.9893	15	98.30	A
		0.4007	6	19,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	18.3900			
	N-OUTDR FLOWER	838.3425	1,325	5,365.08	A
	N-OUTDR PLANTS IN CONTAINERS	478.9505	695	2,389.72	A
	N-OUTDR TRANSPLANTS	29.2361	16	175.46	A
	OLIVE	62.4232	21	447.30	A
	ONION, DRY	87.2628	79	1,911.23	A
	ORANGE	10,201.1026	935	39,950.77	A
	PEAR	11.7515	5	175.00	A
	PEAS	22.9022	6	178.00	A
	PEPPER, FRUITING	32.7601	6	196.80	A
	PUMPKIN	1.3888	3	70.00	A
	RIGHTS OF WAY	36.6442			
	SOYBEAN	3.2050	2	243.00	A
	SQUASH	4.2466	3	35.00	A
	STRAWBERRY	765.3578	190	5,229.70	A
	TANGELO	191.8572	34	885.30	A
	TANGERINE	257.8288	37	2,377.57	A
	TOMATO	4.2092	2	105.00	A
	UNCULTIVATED AG	1.2019	1	6.00	A
	UNKNOWN	1.0016	1	7.00	A
	WALNUT	35.6322	22	531.50	A
	WATERMELON	13.7387	6	193.40	A
	Chemical Total	18,008.8144	6,123		
<b>SUGAR</b>					
	ALFALFA	6.8985	2	90.00	A
	APRICOT	168.5600	22	2,404.00	A
	AVOCADO	25.2050	2	3.44	A
	CARROT	10.5000	1	42.00	A
	CORN (FORAGE - FODDER)	25.0000	1	25.00	A
	GRAPEFRUIT	700.0000	3	70.00	A
	ORANGE	1,400.0000	5	139.00	A
	PEACH	154.3500	20	2,205.00	A
	PEPPER, FRUITING	7.6872	2	100.00	A
	STRAWBERRY	0.2300	1	2.00	A
	STRUCTURAL PEST CONTROL	1.3352			
	TANGELO	150.0000	2	16.00	A
	TANGERINE	300.0000	2	30.00	A
	TOMATO	41.0400	1	19.00	A
	WATERMELON	56.0000	1	56.00	A
	Chemical Total	3,046.8059	65		
<b>SULCOFURON-SODIUM</b>					
	N-GRNHS TRANSPLANTS	9.6000	1	33,500.00	S
	Chemical Total	9.6000	1		
<b>SULFAQUINOXALINE</b>					
	ANIMAL PREMISE	0.0043		2.00	U
	AVOCADO	0.2628	62	223.00	A
	FORAGE HAY/SILAGE	0.1625		57.00	A
	GRAPE, WINE	0.8375	2	984.00	A
	LANDSCAPE MAINTENANCE	0.3099			
	LEMON	0.0125	1	10.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0040	2	2.00	A

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<b>SULFAQUINOXALINE</b>					
	N-OUTDR PLANTS IN CONTAINERS	0.0123	10	10.75	A
		0.0100	9	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0223			
	ORANGE	0.0023	5	4.50	A
	POULTRY	0.0010		53.00	U
	RESEARCH COMMODITY	0.0013	1	0.50	A
	RIGHTS OF WAY	0.4700			
	STRAWBERRY	0.0638	2	10.00	A
	STRUCTURAL PEST CONTROL	0.1483			
	UNCULTIVATED AG	0.0034	6	202.00	A
	VERTEBRATE CONTROL	0.0079			
	Chemical Total	2.3138	100		
<b>SULFOMETURON-METHYL</b>					
	ANIMAL PREMISE	15.0235		21.00	U
	FOREST, TIMBERLAND	732.0178	258	5,722.80	A
	INDUSTRIAL SITE	0.1875		2.00	A
	LANDSCAPE MAINTENANCE	1,091.9306			
	N-OUTDR TRANSPLANTS	1.7344	1	18.50	A
	PUBLIC HEALTH	7.3350			
	REGULATORY PEST CONTROL	0.0029			
	RIGHTS OF WAY	18,250.6659			
		3.2813	2	187.20	A
	TOTAL POUNDS ON THIS COMMODITY	18,253.9472			
	STRUCTURAL PEST CONTROL	76.3157			
	UNCULTIVATED AG	4.1485		52.63	A
	UNCULTIVATED NON-AG	12.3072		141.55	A
	UNKNOWN	2.2500			
	VERTEBRATE CONTROL	1.7227			
	Chemical Total	20,198.9230	261		
<b>SULFOTEP</b>					
	GRAPE, WINE	15.0000	1	3.00	A
	N-GRNHS PLANTS IN CONTAINERS	7.5450		2,300,000.00	C
		3.8935	3	115,860.00	S
		1.3313	1	0.70	A
	TOTAL POUNDS ON THIS COMMODITY	12.7698			
	N-OUTDR PLANTS IN CONTAINERS	0.2625	1	1.00	A
	N-OUTDR TRANSPLANTS	0.7500	1	0.50	A
	RESEARCH COMMODITY	0.3938			
	Chemical Total	29.1761	7		
<b>SULFOXIDE</b>					
	STRUCTURAL PEST CONTROL	0.0103			
	Chemical Total	0.0103			
<b>SULFOXIDE, OTHER RELATED</b>					
	STRUCTURAL PEST CONTROL	0.0014			
	Chemical Total	0.0014			
<b>SULFUR</b>					
	ALFALFA	395,396.1000	158	12,161.00	A
	ALMOND	258,248.3672	455	29,643.48	A
	APPLE	12,867.7814	228	3,191.58	A
	ARTICHOKE, GLOBE	6.7500	1	2.50	A
	ASPARAGUS	4,952.4830	3	177.00	A
	AVOCADO	162.0000	1	9.00	A
	BEAN, DRIED	6,181.6000	8	769.80	A
	BEAN, SUCCULENT	5,334.1933	74	679.73	A
	BEAN, UNSPECIFIED	574.7331	16	83.21	A
	BEET	14.8453	2	4.75	A
	BERMUDAGRASS	390,721.8000	159	13,813.00	A
	BLACKBERRY	1,203.3560	77	358.81	A

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<b>SULFUR</b>					
	BLUEBERRY	24.0000	1	2.00	A
	BOYSENBERRY	420.0000	3	35.00	A
	BROCCOLI	146.9400	13	75.49	A
	BRUSSELS SPROUT	788.5200	20	160.35	A
	CABBAGE	173.6960	22	81.39	A
	CANTALOUPE	175,986.1680	223	12,397.80	A
	CARROT	324,130.9065	552	28,091.54	A
	CARROT (FORAGE - FODDER)	192.0000	1	15.00	A
	CELERY	456.3200	3	28.10	A
	CHERRY	20,115.3951	171	3,315.91	A
	CITRUS	71.4400	2	8.93	A
	CORN (FORAGE - FODDER)	70,403.5966	59	2,895.20	A
	CORN, HUMAN CONSUMPTION	9,831.7700	12	475.90	A
	COTTON	121,554.6683	83	4,710.10	A
	CUCUMBER	823.5846	36	275.21	A
	DATE	294.0000	2	10.00	A
	EGGPLANT	1,250.4800	22	80.15	A
	FIG	4,005.0000	7	925.00	A
	FORAGE HAY/SILAGE	326.4000	6	112.50	A
	FOREST, TIMBERLAND	120.0000	3	50.00	A
	GARLIC	106.6800	8	24.60	A
	GRAPE	17,449,546.0177	50,558	2,100,190.10	A
		0.4875	2	52.00	U
	TOTAL POUNDS ON THIS COMMODITY	17,449,546.5052			
	GRAPE, WINE	20,607,987.6511	61,068	2,441,950.28	A
		2,744.4750	16	1,475.00	U
		11.9119	14	67,699.00	S
	TOTAL POUNDS ON THIS COMMODITY	20,610,744.0380			
	GRAPEFRUIT	17,048.2460	25	471.34	A
	HERB, SPICE	223.0404	67	109.33	A
	KALE	2,080.4805	94	726.45	A
	LANDSCAPE MAINTENANCE	6,162.5078			
		0.4000	1	0.50	A
	TOTAL POUNDS ON THIS COMMODITY	6,162.9078			
	LEMON	187,887.5892	146	4,690.37	A
	LETTUCE, HEAD	17,168.0320	358	9,262.96	A
	LETTUCE, LEAF	1,580.1594	96	900.36	A
	MELON	44,765.2802	127	5,317.52	A
	MINT	1.6000	2	2.00	A
	MUSTARD	568.0610	4	41.38	A
	N-GRNHS FLOWER	1,394.5147	131	394.39	A
		6.4000	1	13,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,400.9147			
	N-GRNHS PLANTS IN CONTAINERS	2,163.1481	286	496.22	A
		13.2130	33	1,149,695.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,176.3611			
	N-GRNHS TRANSPLANTS	16.4000	4	3.50	A
		4.2750	9	46,400.00	S
	TOTAL POUNDS ON THIS COMMODITY	20.6750			
	N-OUTDR FLOWER	31,131.5969	1,083	6,299.74	A
		2.1798	5	74,089.00	S
	TOTAL POUNDS ON THIS COMMODITY	31,133.7767			
	N-OUTDR PLANTS IN CONTAINERS	8,980.7826	137	1,422.86	A
		7.8750	12	283,062.00	S
	TOTAL POUNDS ON THIS COMMODITY	8,988.6576			
	N-OUTDR TRANSPLANTS	10,171.4538	92	1,067.95	A
	NECTARINE	121,350.7357	2,014	25,158.84	A
	OLIVE	586.7614	12	60.30	A
	ONION, DRY	41,553.4100	24	2,335.10	A
		0.4850	1	400.00	S
	TOTAL POUNDS ON THIS COMMODITY	41,553.8950			
	ORANGE	42,330.4202	95	2,937.70	A
	PARSLEY	15,602.7104	182	3,343.23	A
	PEACH	906,762.3603	3,905	80,446.09	A
	PEAR	64,300.6355	190	5,910.50	A
	PEAS	173,908.0062	782	8,336.90	A
	PEPPER, FRUITING	97,898.0455	504	19,124.13	A
	PEPPER, SPICE	2,882.8000	19	290.20	A

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<b>SULFUR</b>					
	PIMENTO	848.6400	12	228.20	A
	PISTACHIO	719,190.4578	695	76,174.59	A
	PLUM	46,642.9352	667	8,558.70	A
	POMEGRANATE	69,132.8893	71	2,466.30	A
	POTATO	768.0666	2	209.00	A
	PRUNE	126,165.1311	276	11,624.38	A
	PUMPKIN	108,160.8400	96	4,127.60	A
	QUINCE	1.6160	1	0.33	A
	RANGELAND	2,764.0540	4	128.60	A
	RASPBERRY	1,146.4176	28	421.25	A
	REGULATORY PEST CONTROL	833.0000			
	RESEARCH COMMODITY	2,381.8963			
		334.6192	5	166.20	A
		7.2460	9	50,690.00	S
	TOTAL POUNDS ON THIS COMMODITY	2,723.7615			
	RIGHTS OF WAY	1,008.4400	5	43.00	A
		79.3377			
	TOTAL POUNDS ON THIS COMMODITY	1,087.7777			
	SAGE	35.8656	2	2.00	A
	SMALL FRUITS/BERRY	0.4800	2	0.20	A
	SOYBEAN	1,366.0800	2	142.00	A
	SPINACH	1,104.0000	3	74.00	A
	SQUASH	22,647.9796	179	1,576.79	A
	SQUASH, SUMMER	9,328.7216	122	1,003.79	A
	SQUASH, WINTER	6,192.2000	7	206.00	A
	SQUASH, ZUCCHINI	654.9845	16	96.63	A
	STONE FRUIT	24.0000	1	3.00	A
	STRAWBERRY	491,636.7951	4,699	130,905.88	A
	STRUCTURAL PEST CONTROL	7.0938			
	SUGARBEET	2,084,541.9232	936	72,263.94	A
	SUGARBEET (FORAGE - FODDER)	20,490.0000	24	1,548.00	A
	SWISS CHARD	623.2800	49	281.20	A
	TANGELO	3,877.3840	5	197.00	A
	TANGERINE	46,007.2566	35	900.00	A
	TOMATO	723,352.5592	677	29,745.33	A
		3.9200	2	1,350.00	S
	TOTAL POUNDS ON THIS COMMODITY	723,356.4792			
	TOMATO, PROCESSING	7,757,126.1314	3,418	288,779.45	A
	TURF/SOD	10.4000	1	6.50	A
	UNCULTIVATED AG	164.0000	3	108.00	A
	UNCULTIVATED NON-AG	262.2970	1	61.00	A
	UNKNOWN	670.4300	19	138.73	A
	VERTEBRATE CONTROL	780.7405	8	230.50	A
		517.4397			
	TOTAL POUNDS ON THIS COMMODITY	1,298.1802			
	WALNUT	78.7188	4	52.00	A
	WATERMELON	47,288.6559	133	4,344.55	A
	WHEAT	2,731.4352	5	318.30	A
	Chemical Total	53,966,720.0817	136,754		
<b>SULFLURAMID</b>					
	LANDSCAPE MAINTENANCE	0.1767			
	STRUCTURAL PEST CONTROL	32.0886			
	Chemical Total	32.2653			
<b>SULFUR DIOXIDE</b>					
	FUMIGATION, OTHER	5,010.6700			
	GRAPE	74,311.9600		11,502,615.38	T
		59,757.0200		31,002,539.06	U
		6,368.5850		8,673,532.87	P
		4,634.2519		826,409.00	S
		4,133.6000	5	731.83	A
		773.0000		909,080.00	C
	TOTAL POUNDS ON THIS COMMODITY	149,978.4169			

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<b>SULFUR DIOXIDE</b>					
	GRAPE, WINE	124.7400		100.00	U
	STRUCTURAL PEST CONTROL	10,692.0000			
	Chemical Total	165,805.8269	5		
<b>SULFURYL FLUORIDE</b>					
	FUMIGATION, OTHER	1,113.7980			
	GRAPE, WINE	0.5569	1	1.50	A
	LANDSCAPE MAINTENANCE	3,828.9581			
	RIGHTS OF WAY	471.1058			
	STRUCTURAL PEST CONTROL	3,265,283.2725			
	Chemical Total	3,270,697.6913	1		
<b>SYNTHETIC VEGETABLE GUMS</b>					
	ALMOND	2.2231	1	67.00	A
	AVOCADO	0.0726	1	4.00	A
	BROCCOLI	0.6304	1	18.98	A
	COTTON	1.3272	1	71.00	A
	GRAPE, WINE	2.0823	5	167.05	A
	LANDSCAPE MAINTENANCE	0.0415			
	LEMON	20.6048	6	158.00	A
	N-OUTDR PLANTS IN CONTAINERS	6.6962	25	159.84	A
	ORANGE	1.5926	2	16.00	A
	PEACH	2.0738	1	10.00	A
	WALNUT	986.1320	301	6,425.17	A
	Chemical Total	1,023.4765	344		
<b>TALL OIL</b>					
	ALFALFA	517.1202	468	30,022.15	A
	ALMOND	595.0673	517	21,980.43	A
	APPLE	91.2409	53	2,602.00	A
	APRICOT	10.7134	22	584.78	A
	ARTICHOKE, GLOBE	3.6900	14	331.50	A
	ASPARAGUS	224.4386	97	5,712.37	A
	AVOCADO	0.4977	22	105.75	A
	BARLEY	1.2903	3	386.00	A
	BEAN, DRIED	25.7104	33	2,294.65	A
	BEAN, SUCCULENT	24.2172	24	1,331.86	A
	BEAN, UNSPECIFIED	0.3247	1	65.00	A
	BOYSENBERRY	0.8890	1	13.00	A
	BROCCOLI	9.4041	18	812.67	A
	CABBAGE	0.2485	1	10.00	A
	CANTALOUPE	4.5418	4	170.00	A
	CARROT	0.2125	4	20.00	A
	CAULIFLOWER	1.5033	1	90.00	A
	CHERRY	51.4705	78	1,376.17	A
	CHINESE CABBAGE (NAPPA)	3.2392	33	274.00	A
	CITRUS	5.1440	3	298.00	A
	CORN (FORAGE - FODDER)	364.6500	339	22,807.90	A
	CORN, HUMAN CONSUMPTION	237.6003	341	9,843.93	A
	COTTON	451.1261	456	32,096.38	A
	CUCUMBER	4.2648	4	150.07	A
	EGGPLANT	0.0015	1	0.12	A
	FIG	6.5992	15	580.00	A
	FORAGE HAY/SILAGE	2.0153	2	66.00	A
	GRAPE	506.3717	699	25,569.39	A
	GRAPE, WINE	629.2609	1,459	41,070.99	A
	GRAPEFRUIT	0.6490	1	38.00	A
	KIWI	14.2131	5	88.00	A
	LANDSCAPE MAINTENANCE	194.1027			
	LEMON	16.0396	26	748.00	A
	LETTUCE, HEAD	10.5680	8	350.97	A
	LETTUCE, LEAF	4.2491	26	393.70	A
	MELON	6.6277	10	424.59	A
	N-GRNHS FLOWER	1.8974	23	76.99	A

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<b>TALL OIL</b>					
	N-GRNHS PLANTS IN CONTAINERS	11.5058	75	226.61	A
		1.8664	77	1,380,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.3722			
	N-GRNHS TRANSPLANTS	1.0136	15	51.50	A
	N-OUTDR FLOWER	0.0752	4	6.00	A
	N-OUTDR PLANTS IN CONTAINERS	156.8554	205	1,919.12	A
		4.5215	137	2,539,000.00	S
		0.0219	1	1,800.00	U
	TOTAL POUNDS ON THIS COMMODITY	161.3988			
	N-OUTDR TRANSPLANTS	9.8398	7	558,000.00	U
		1.9440	28	118.30	A
	TOTAL POUNDS ON THIS COMMODITY	11.7838			
	NECTARINE	20.3475	59	762.45	A
	OAT	9.7354	22	658.00	A
	OAT (FORAGE - FODDER)	55.0548	107	6,617.80	A
	OLIVE	9.4244	7	95.00	A
	ONION, DRY	13.3951	16	537.00	A
	ORANGE	422.6565	202	5,762.46	A
	ORCHARD FLOOR	0.9020	3	18.00	A
	PASTURELAND	1.5157	4	59.00	A
	PEACH	43.8671	67	947.97	A
	PEAR	6.7239	15	445.70	A
	PECAN	0.3280	1	15.00	A
	PEPPER, FRUITING	40.6076	97	3,058.50	A
	PEPPER, SPICE	3.2537	12	193.00	A
	PISTACHIO	881.6381	723	39,024.53	A
	PLUM	14.8114	26	412.36	A
	POMEGRANATE	0.6560	3	30.00	A
	POTATO	39.8349	9	597.00	A
	PRUNE	6.6386	17	358.00	A
	PUBLIC HEALTH	22.3293			
	PUMPKIN	18.5368	20	1,109.00	A
	RANGELAND	5.4541	1	80.00	A
	REGULATORY PEST CONTROL	8.6892			
	RICE	16.8369	37	2,472.35	A
	RIGHTS OF WAY	430.4988			
	RYEGRASS	7.6816	2	175.00	A
	SAFFLOWER	0.3408	1	34.00	A
	SOIL FUMIGATION/PREPLANT	9.9231	9	664.00	A
	SORGHUM (FORAGE - FODDER)	0.2526	1	50.00	A
	SORGHUM/MILO	1.3391	3	123.00	A
	SOYBEAN	0.6013	2	239.00	A
	SQUASH	1.1066	2	73.00	A
	SQUASH, SUMMER	0.0013	1	0.11	A
	SQUASH, WINTER	3.4436	6	185.00	A
	STRAWBERRY	6.4267	7	418.00	A
	STRUCTURAL PEST CONTROL	1.4397			
	SUDANGRASS	8.1599	10	303.20	A
	SUGARBEET	3.6479	3	177.00	A
	SUNFLOWER	1.7278	4	367.00	A
	TANGELO	2.9702	5	72.00	A
	TANGERINE	0.4100	1	5.00	A
	TOMATO	16.1863	38	1,019.50	A
	TOMATO, PROCESSING	234.2325	299	22,016.12	A
	TURF/SOD	0.2004	2	37.00	A
	UNCULTIVATED AG	61.3437	124	5,884.56	A
	UNCULTIVATED NON-AG	27.6860	27	833.00	A
	WALNUT	161.6376	160	5,559.92	A
	WATER AREA	0.1503		20.00	A
	WATERMELON	2.1046	3	95.00	A
	WHEAT	24.4327	57	3,803.60	A
	WHEAT (FORAGE - FODDER)	41.7897	164	10,000.30	A
Chemical Total		6,901.8154	7,740		

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<b>TALL OIL FATTY ACIDS</b>					
	ALFALFA	5,851.5468	1,343	81,512.35	A
	ALMOND	3,653.7021	1,078	57,396.73	A
	APPLE	0.9730	4	45.00	A
	APRICOT	16.0014	11	503.00	A
	ASPARAGUS	113.4598	32	2,216.30	A
	AVOCADO	38.0222	23	240.58	A
	BARLEY	24.5476	14	650.20	A
	BEAN, DRIED	409.8085	50	3,836.00	A
	BEAN, SUCCULENT	81.6614	20	855.00	A
	BEAN, UNSPECIFIED	33.5774	4	186.00	A
	BERMUDAGRASS	56.1126	56	4,047.00	A
	BLACKBERRY	0.4473	2	5.00	A
	BLUEBERRY	6.3487	6	93.00	A
	BOK CHOY	0.7987	13	15.00	A
	BROCCOLI	122.6171	191	4,281.59	A
	CABBAGE	12.0664	39	574.70	A
	CANOLA (RAPE)	1.9352	4	300.00	A
	CANTALOUPE	95.6157	19	1,802.00	A
	CARROT	122.3436	53	3,095.35	A
	CAULIFLOWER	14.3754	45	505.20	A
	CELERY	86.4124	190	1,995.40	A
	CHERRY	67.1191	50	952.00	A
	CHINESE CABBAGE (NAPPA)	2.7092	12	50.00	A
	CLOVER	23.6366	4	335.50	A
	COLLARD	26.5255	26	591.70	A
	COMMODITY FUMIGATION	2.9594			
	CORN (FORAGE - FODDER)	939.1951	221	14,426.90	A
	CORN, HUMAN CONSUMPTION	255.4646	53	2,327.50	A
	COTTON	5,891.9083	1,229	91,998.48	A
	CUCUMBER	16.6277	5	160.40	A
	DATE	0.0306	1	5.50	A
	ENDIVE (ESCAROLE)	1.2111	4	15.50	A
	FORAGE HAY/SILAGE	14.8344	8	584.00	A
	FOREST, TIMBERLAND	782.1641	251	7,232.30	A
	GARLIC	551.3103	78	9,098.63	A
	GRAIN	2.2068	2	173.00	A
	GRAPE	409.4766	288	10,913.55	A
	GRAPE, WINE	2,032.4614	3,003	63,841.76	A
	GRAPEFRUIT	12.9337	5	56.00	A
	KALE	2.0847	20	287.19	A
	KOHLRABI	0.0349	1	0.74	A
	LANDSCAPE MAINTENANCE	57.2763			
	LEMON	289.4943	24	811.28	A
	LETTUCE, HEAD	299.2366	736	10,588.45	A
	LETTUCE, LEAF	276.2162	742	6,931.53	A
	MELON	57.8693	9	586.00	A
	MINT	108.1883	20	869.00	A
	MUSTARD	28.7369	29	376.53	A
	N-GRNHS FLOWER	1.1629	5	320,000.00	S
		0.0783	1	3.00	A
	TOTAL POUNDS ON THIS COMMODITY	1.2412			
	N-GRNHS PLANTS IN CONTAINERS	0.0876	1	1.70	A
	N-GRNHS TRANSPLANTS	9.9517	37	143.83	A
	N-OUTDR FLOWER	0.1082	8	12.90	A
	N-OUTDR PLANTS IN CONTAINERS	82.9757	148	2,168.43	A
	N-OUTDR TRANSPLANTS	15.2837	31	163.90	A
	NECTARINE	81.1056	78	1,614.85	A
	OAT	26.5259	10	369.40	A
	OAT (FORAGE - FODDER)	48.4544	19	1,331.50	A
	OLIVE	46.2381	19	357.90	A
	ONION, DRY	427.6567	119	6,875.87	A
	ORANGE	83.9245	78	1,953.60	A
	PASTURELAND	4.5701	9	539.50	A
	PEACH	199.6960	196	4,575.47	A
	PEAR	38.9652	21	783.78	A
	PEAS	12.3369	27	201.40	A
	PECAN	11.6102	36	589.45	A

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<b>TALL OIL FATTY ACIDS</b>					
	PEPPER, FRUITING	40.4810	19	522.20	A
	PEPPER, SPICE	51.3270	8	184.00	A
	PERSIMMON	0.1640	5	29.50	A
	PISTACHIO	29.9793	52	2,115.40	A
	PLUM	69.1763	59	813.60	A
	POMEGRANATE	1.4019	2	36.00	A
	POTATO	172.8674	49	2,609.93	A
	PRUNE	106.8657	42	3,313.85	A
	PUBLIC HEALTH	15.6281			
	PUMPKIN	2.6500	3	29.00	A
	RANGELAND	27.8634	12	2,492.00	A
	RASPBERRY	4.7188	7	62.00	A
	REGULATORY PEST CONTROL	17.2484			
	RESEARCH COMMODITY	0.0140			
	RICE	27,020.1292	2,435	160,666.93	A
	RIGHTS OF WAY	1,552.1807			
		10.2637	3	105.00	A
	TOTAL POUNDS ON THIS COMMODITY	1,562.4444			
	RYEGRASS	11.8082	3	112.00	A
	SAFFLOWER	9.6024	2	120.00	A
	SOIL FUMIGATION/PREPLANT	18.1275	17	1,131.38	A
	SORGHUM (FORAGE - FODDER)	2.9490	2	160.00	A
	SORGHUM/MILO	3.0381	2	46.10	A
	SPINACH	27.6094	9	568.00	A
	SQUASH	13.1632	6	99.40	A
	STRAWBERRY	185.8195	63	2,773.28	A
	STRUCTURAL PEST CONTROL	0.0657			
	SUDANGRASS	5.3566	3	111.00	A
	SUGARBEET	347.5987	142	11,061.00	A
	SUNFLOWER	140.4835	15	1,244.00	A
	SWISS CHARD	0.2534	5	148.00	A
	TANGERINE	54.8494	20	525.45	A
	TOMATO	148.6554	87	3,273.80	A
	TOMATO, PROCESSING	722.6938	222	15,499.33	A
	TURF/SOD	42.2735	17	493.61	A
	TURNIP	11.0638	17	220.75	A
	UNCULTIVATED AG	163.2294	69	2,538.65	A
	UNCULTIVATED NON-AG	2.7009	3	28.00	A
	WALNUT	512.3529	264	7,723.44	A
	WATER AREA	0.3578		5.00	A
	WATERMELON	119.4474	19	786.30	A
	WHEAT	715.1529	117	12,370.30	A
	WHEAT (FORAGE - FODDER)	77.7392	36	1,562.00	A
	Chemical Total	56,444.3675	14,697		
<b>TARTRAZINE</b>					
	LANDSCAPE MAINTENANCE	230.3448			
		1.3235	2	10.00	A
	TOTAL POUNDS ON THIS COMMODITY	231.6683			
	N-OUTDR PLANTS IN CONTAINERS	0.0060	3	2.50	A
	RIGHTS OF WAY	5.1452			
	STRUCTURAL PEST CONTROL	1.9853			
	WATER (INDUSTRIAL)	0.4412		2.00	A
	WATER AREA	89.0211	23	9,674.47	A
		0.9513		5,040,002.00	U
	TOTAL POUNDS ON THIS COMMODITY	89.9724			
	Chemical Total	329.2184	28		
<b>TCMTB</b>					
	COTTON	3,170.5858		5,444.80	T
	RIGHTS OF WAY	19.6384			
	SAFFLOWER	17.0557		21.00	T
	STRUCTURAL PEST CONTROL	356.8242			
	WATER (INDUSTRIAL)	0.3499		1.00	U
	Chemical Total	3,564.4540			



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<b>TEBUCONAZOLE</b>					
	APPLE	2.9250	2	26.00	A
	BERMUDAGRASS	0.2646		20,566.00	P
	CHERRY	967.4060	274	5,357.21	A
		35.5500		1,975.00	U
		2.5875		400,000.00	P
		2.2500		527.00	T
	TOTAL POUNDS ON THIS COMMODITY	1,007.7935			
	COMMODITY FUMIGATION	5.3438			
	FUMIGATION, OTHER	17.0214			
	GARLIC	1,213.0654	52	5,763.60	A
	GRAPE	14,439.1297	2,718	118,992.00	A
	GRAPE, WINE	12,930.4046	3,222	120,445.14	A
		3.1500	10	32.00	U
	TOTAL POUNDS ON THIS COMMODITY	12,933.5546			
	LANDSCAPE MAINTENANCE	41.5953			
	LUMBER, TREATED	1,144.9484			
	N-GRNHS FLOWER	1.5750	2	14.00	A
	N-OUTDR PLANTS IN CONTAINERS	27.3814	15	223.79	A
	NECTARINE	2,287.5273	928	12,275.37	A
	PEACH	2,697.8450	1,090	14,797.30	A
	RESEARCH COMMODITY	0.1374			
	RIGHTS OF WAY	10.5446			
	STRUCTURAL PEST CONTROL	316.2459			
	UNKNOWN	0.1125	1	7.00	A
	VEGETABLE	4.3596		290,000.00	P
	VERTEBRATE CONTROL	7.3125			
		6.9750	1	62.00	A
	TOTAL POUNDS ON THIS COMMODITY	14.2875			
	WHEAT	24.3621		745,250.00	P
		5.1679		285.30	T
	TOTAL POUNDS ON THIS COMMODITY	29.5300			
	Chemical Total	36,195.1879	8,315		
<b>TEBUFENOZIDE</b>					
	ALFALFA	1,037.4008	58	3,909.50	A
	ALMOND	2,828.5523	154	11,523.72	A
	APPLE	202.6208	7	632.57	A
	ARRUGULA	2.5410	1	20.00	A
	BEET	8.3413	56	65.70	A
	BOK CHOY	5.6609	44	46.29	A
	BROCCOLI	1,030.7476	113	3,002.50	A
	CABBAGE	6.0983	3	48.00	A
	CAULIFLOWER	169.2136	18	1,262.80	A
	CELERY	1,004.0532	729	7,969.57	A
	CHICORY	83.1674	46	679.37	A
	CHINESE CABBAGE (NAPPA)	28.6672	49	198.65	A
	COLE CROP	0.6296	1	5.00	A
	COLLARD	46.0935	18	372.71	A
	COTTON	501.6846	19	2,717.00	A
	EGGPLANT	0.0355	1	0.14	A
	ENDIVE (ESCAROLE)	45.5666	79	364.50	A
	GRAPE	37.6045	8	234.00	A
	GRAPE, WINE	24.7042	8	162.00	A
	KALE	0.0647	1	0.51	A
	KOHLRABI	0.0857	2	0.68	A
	LANDSCAPE MAINTENANCE	0.1142			
	LETTUCE, HEAD	2,756.3679	1,681	23,287.13	A
	LETTUCE, LEAF	1,724.9955	1,211	14,087.19	A
	MINT	0.3335	3	2.14	A
	MUSTARD	2.9397	4	23.20	A
	N-GRNHS TRANSPLANTS	3.6175	2	19.00	A
	PARSLEY	52.0559	4	410.00	A
	PEAR	19.9548	6	63.00	A
	PEPPER, FRUITING	284.3887	55	1,716.94	A
	PEPPER, SPICE	11.2395	3	83.00	A
	PISTACHIO	89.5606	12	235.00	A
	RASPBERRY	2.7951	1	11.00	A

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<b>TEBUFENOZIDE</b>					
	SOIL FUMIGATION/PREPLANT	25.1927	3	99.20	A
	SPINACH	69.4513	60	595.01	A
	SWISS CHARD	11.4261	71	91.90	A
	TOMATO	1,701.7255	223	11,156.27	A
	TOMATO, PROCESSING	5,842.0153	530	34,081.72	A
	TURNIP	10.6413	15	83.74	A
	WALNUT	1,414.2797	172	6,101.55	A
	Chemical Total	21,086.6281	5,471		
<b>TEBUTHIURON</b>					
	GRAPE, WINE	0.5000	1	0.25	A
	LANDSCAPE MAINTENANCE	2,407.4680			
	N-OUTDR PLANTS IN CONTAINERS	1.0000	1	1.50	A
	RIGHTS OF WAY	5,738.1814			
		17.6000	1	50.00	A
	TOTAL POUNDS ON THIS COMMODITY	5,755.7814			
	STRUCTURAL PEST CONTROL	30.4000			
	Chemical Total	8,195.1494	3		
<b>TEMEPHOS</b>					
	PUBLIC HEALTH	355.6721			
	Chemical Total	355.6721			
<b>1080</b>					
	STRUCTURAL PEST CONTROL	0.0004			
	Chemical Total	0.0004			
<b>TERBUTHYLAZINE</b>					
	STRUCTURAL PEST CONTROL	2.0400			
	WATER (INDUSTRIAL)	2.3078		1.00	U
	Chemical Total	4.3478			
<b>TERRAZOLE</b>					
	GRAPE, WINE	4.2000	1	15.00	A
	N-GRNHS FLOWER	12.1363	13	10.29	A
		1.4000	1	30,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.5363			
	N-GRNHS PLANTS IN CONTAINERS	55.5055	13	95,112.00	S
		32.4878	59	13.23	A
		0.0656	1	600.00	U
	TOTAL POUNDS ON THIS COMMODITY	88.0589			
	N-GRNHS TRANSPLANTS	6.6500	10	1.21	A
	N-OUTDR FLOWER	244.0200	18	58.10	A
		4.2875	2	37,026.00	S
	TOTAL POUNDS ON THIS COMMODITY	248.3075			
	N-OUTDR PLANTS IN CONTAINERS	347.9633	60	63.23	A
		43.5655	26	246,616.00	S
		2.9531	8	1,889,200.00	U
	TOTAL POUNDS ON THIS COMMODITY	394.4819			
	N-OUTDR TRANSPLANTS	333.2000	6	79.30	A
		7.7328	26	132,900.00	S
	TOTAL POUNDS ON THIS COMMODITY	340.9328			
	REGULATORY PEST CONTROL	0.0032			
	RESEARCH COMMODITY	2.5600	6	0.56	A
	Chemical Total	1,098.7306	250		
<b>TETRACHLOROETHYLENE</b>					
	LANDSCAPE MAINTENANCE	3.4324			
	STRUCTURAL PEST CONTROL	194.6034			
	Chemical Total	198.0358			

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<b>TETRACHLORVINPHOS</b>					
	ANIMAL PREMISE	284.4728		160,049.00	U
		32.3193		280.18	A
		0.0000		55.19	S
	TOTAL POUNDS ON THIS COMMODITY	316.7921			
	CHICKEN	23.9104		23.00	U
	FUMIGATION, OTHER	151.5255			
	LANDSCAPE MAINTENANCE	22.9908			
	POULTRY	63.7612		8.00	U
		38.3180		11.00	A
	TOTAL POUNDS ON THIS COMMODITY	102.0792			
	REGULATORY PEST CONTROL	7.6636			
	STRUCTURAL PEST CONTROL	96.4109			
	TURKEY	0.1497	1	2,600.00	S
	Chemical Total	721.5222	1		
<b>E-11-TETRADECEN-1-YL ACETATE</b>					
	APRICOT	0.2857	2	33.00	A
	GRAPE	33.6158	66	2,826.96	A
	GRAPE, WINE	51.4744	117	5,546.66	A
	NECTARINE	0.2335	4	15.40	A
	PEACH	1.6286	16	292.19	A
	PEAR	3.2745	3	122.00	A
	Chemical Total	90.5125	208		
<b>Z-11-TETRADECEN-1-YL ACETATE</b>					
	APRICOT	0.0443	2	33.00	A
	GRAPE	5.2304	66	2,826.96	A
	GRAPE, WINE	7.9852	117	5,546.66	A
	NECTARINE	0.0365	4	15.40	A
	PEACH	0.3991	16	292.19	A
	PEAR	0.5078	3	122.00	A
	Chemical Total	14.2033	208		
<b>TETRALIN, (1,1,4,4-TETRAMETHYL-6-ETHYL-7-ACETYL) -1</b>					
	LANDSCAPE MAINTENANCE	0.0001			
	Chemical Total	0.0001			
<b>TETRAMETHRIN</b>					
	LANDSCAPE MAINTENANCE	0.3335			
	N-GRNHS PLANTS IN CONTAINERS	0.0002	1	10,000.00	S
	PUBLIC HEALTH	0.0939			
	REGULATORY PEST CONTROL	0.3181			
	RIGHTS OF WAY	0.0238			
	STRUCTURAL PEST CONTROL	2.7048			
	VERTEBRATE CONTROL	0.0009			
	Chemical Total	3.4752	1		
<b>ALPHA-[PARA-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	ALFALFA	3,282.7548	785	43,423.78	A
	ALMOND	9,080.8001	775	57,562.29	A
	APPLE	1,715.8631	130	4,848.05	A
	APRICOT	70.7326	28	521.17	A
	ARRUGULA	0.0937	1	1.50	A
	ARTICHOKES, GLOBE	963.5350	75	2,927.50	A
	ASPARAGUS	225.0211	54	3,328.59	A
	AVOCADO	385.7239	282	4,211.00	A
	BARLEY	9.3479	3	280.00	A
	BEAN, DRIED	242.6449	98	5,830.10	A
	BEAN, SUCCULENT	220.5119	81	3,534.10	A
	BEAN, UNSPECIFIED	40.4332	40	1,209.80	A
	BEEF	0.0937	1	1.50	A
	BLACKBERRY	16.1449	43	325.82	A
	BLUEBERRY	147.4319	37	2,224.30	A

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<b>ALPHA- [PARA-(1,1,3,3-TETRAMETHYLBUTYL) PHENYL] -OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	BOK CHOY	9.2789	150	255.76	A
	BROCCOLI	1,309.9979	2,179	26,624.85	A
		0.4692	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	1,310.4671			
	BRUSSELS SPROUT	1.3469	7	36.50	A
	CABBAGE	135.1853	299	2,456.35	A
	CANTALOUPE	118.8830	41	2,645.50	A
	CARROT	133.5060	67	692.74	A
	CAULIFLOWER	616.6331	616	7,748.56	A
	CELERIAC	0.2066	1	5.00	A
	CELERY	386.3106	890	7,761.00	A
	CHERIMOYA	0.1748	2	0.12	A
	CHERRY	412.5707	86	1,709.25	A
	CHICORY	2.1318	7	60.50	A
	CHINESE CABBAGE (NAPPA)	45.7414	371	1,223.04	A
	CHIVE	0.3507	17	16.50	A
	CHRISTMAS TREE	1.8899	1	14.00	A
	CILANTRO	0.4645	2	13.60	A
	CITRUS	3.7777	7	71.20	A
	CLOVER	31.3828	11	387.00	A
	COLE CROP	0.2066	1	5.00	A
	COLLARD	63.5074	4	112.00	A
	CORN (FORAGE - FODDER)	2,718.0564	369	18,675.77	A
	CORN, HUMAN CONSUMPTION	171.0378	94	2,357.90	A
	COTTON	5,209.9745	1,639	68,797.91	A
	CUCUMBER	70.4493	49	1,549.15	A
	EGGPLANT	0.1238	1	10.00	A
	ENDIVE (ESCAROLE)	48.1923	155	802.60	A
	FENNEL	9.9683	25	184.70	A
	FIG	40.1231	19	1,900.00	A
	FORAGE HAY/SILAGE	10.1216	9	799.00	A
	FUMIGATION, OTHER	1.2011			
	GARLIC	205.0372	14	1,865.00	A
	GRAPE	8,682.5615	1,798	74,516.53	A
	GRAPE, WINE	13,806.6555	2,719	130,083.98	A
	GRAPEFRUIT	1.8954	4	67.00	A
	HERB, SPICE	2.8671	93	185.55	A
	KALE	4.9859	12	59.78	A
	KOHLRABI	0.0541	1	2.00	A
	LANDSCAPE MAINTENANCE	721.4513			
		0.8348	4	11.50	A
	TOTAL POUNDS ON THIS COMMODITY	722.2861			
	LEMON	3,321.1295	101	4,646.00	A
	LETTUCE, HEAD	4,069.2200	5,633	71,697.36	A
	LETTUCE, LEAF	2,492.1359	4,123	38,898.53	A
	LIME	0.2815	1	7.00	A
	MELON	51.4632	30	1,755.20	A
	MINT	0.0619	3	5.00	A
	MUSTARD	3.9886	43	63.80	A
	N-GRNHS FLOWER	248.6581	561	2,114.19	A
		111.9892	550	21,682,386.00	S
	TOTAL POUNDS ON THIS COMMODITY	360.6473			
	N-GRNHS PLANTS IN CONTAINERS	93.7541	683	1,719.23	A
		10.5031	243	5,930,801.82	S
		0.0469	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	104.3041			
	N-GRNHS TRANSPLANTS	3.1658	7	960,000.00	S
		1.5207	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	4.6865			
	N-OUTDR FLOWER	110.6755	736	3,620.78	A
		1.0454	24	145,460.00	S
		1.0310	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	112.7519			
	N-OUTDR PLANTS IN CONTAINERS	352.9531	1,295	2,191.69	A
		17.3418	278	15,457,544.50	S
		3.3845	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	373.6794			

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<b>ALPHA-[PARA-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-OMEGA-HYDROXPOLY(OXYETHYLENE)</b>					
	N-OUTDR TRANSPLANTS	68.1212	259	28,614,935.00	S
		1.1455	1	180,000.00	U
		0.2812	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	69.5479			
	NECTARINE	410.9296	323	5,576.77	A
	OAT	33.1116	14	532.61	A
	OAT (FORAGE - FODDER)	55.2635	17	610.00	A
	OLIVE	155.0205	20	777.61	A
	ONION, DRY	138.7310	122	2,902.08	A
	ONION, GREEN	12.8898	45	247.90	A
	ORANGE	6,124.7091	415	15,167.99	A
	PARSLEY	15.4816	15	311.80	A
	PASTURELAND	1.7473	1	10.00	A
	PEACH	641.7228	369	7,649.45	A
	PEAR	291.4132	37	1,201.50	A
	PEAS	65.4674	46	501.95	A
	PECAN	9.1551	4	40.00	A
	PEPPER, FRUITING	237.3542	222	3,414.19	A
	PEPPER, SPICE	9.8048	17	371.50	A
	PERSIMMON	11.5081	18	141.50	A
	PISTACHIO	3,893.7625	401	34,536.77	A
	PLUM	733.9166	271	4,664.63	A
	POMEGRANATE	7.1603	9	78.00	A
	POTATO	179.5527	44	2,063.03	A
	POULTRY	3.1815		32.00	U
	PRUNE	288.1369	43	1,008.30	A
	PUMPKIN	3.3414	12	103.85	A
	QUINCE	24.8526	10	255.00	A
	RADISH	1.4134	26	13.50	A
	RANGELAND	368.6720	9	1,782.00	A
	RAPPINI	17.2450	22	229.20	A
	RASPBERRY	75.0143	140	2,106.19	A
	RESEARCH COMMODITY	0.5314			
	RICE	170.7384	4	345.00	A
	RIGHTS OF WAY	2,733.9752			
		67.6120	1	110.00	A
	TOTAL POUNDS ON THIS COMMODITY	2,801.5872			
	SAFFLOWER	2.6123	1	34.00	A
	SAGE	0.2063	8	12.00	A
	SOIL FUMIGATION/PREPLANT	296.4772	81	4,215.92	A
	SORGHUM (FORAGE - FODDER)	65.8650	5	315.60	A
	SORGHUM/MILO	156.0808	12	735.82	A
	SPINACH	17.9664	31	461.32	A
	SQUASH	20.1326	45	586.70	A
	SQUASH, SUMMER	18.9536	38	355.14	A
	SQUASH, WINTER	0.1266	1	6.00	A
	STRAWBERRY	1,548.2122	1,073	24,852.47	A
	STRUCTURAL PEST CONTROL	902.8803			
	SUDANGRASS	13.9984	4	132.00	A
	SUGARBEET	70.9710	38	2,440.00	A
	SUNFLOWER	2.5235	4	100.70	A
	TANGELO	34.3651	23	220.75	A
	TANGERINE	202.7655	28	782.50	A
	TARRAGON	0.1444	7	7.00	A
	TOMATILLO	1.2039	2	30.00	A
	TOMATO	195.9261	118	5,774.88	A
	TOMATO, PROCESSING	687.4454	200	12,915.90	A
	TURNIP	1.1560	25	18.50	A
	UNCULTIVATED AG	933.6807	140	3,629.82	A
	UNCULTIVATED NON-AG	123.2415	30	890.63	A
	UNKNOWN	0.0413	2	3.00	A
	VEGETABLES, LEAFY	0.7954	2	13.50	A
	VERTEBRATE CONTROL	4.3321			
		0.9549	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	5.2870			
	WALNUT	2,617.7392	388	12,125.45	A
	WATER AREA	1.2891	1	3.00	A
	WATERMELON	85.6540	72	2,791.70	A

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<b>ALPHA-[PARA-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	WHEAT	1,339.0994	185	10,478.34	A
	WHEAT (FORAGE - FODDER)	485.9955	89	3,608.65	A
	Chemical Total	88,960.8887	34,156		
<b>ALPHA-[PARA-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL]-OMEGA-HYDROXYPOLY(OXYETHYLENE) PHOSPHATE ESTER</b>					
	ALFALFA	16.2920	152	11,416.70	A
	ALMOND	312.1671	246	19,152.41	A
	APPLE	110.2326	40	4,360.75	A
	APRICOT	0.1839	1	18.43	A
	ASPARAGUS	36.5691	2	222.00	A
	BEAN, DRIED	0.9438	13	609.80	A
	BEAN, SUCCULENT	0.9699	7	297.00	A
	BLUEBERRY	18.6656	24	1,989.20	A
	BROCCOLI	73.3419	7	284.80	A
	CHERRY	1.0872	2	63.00	A
	CORN (FORAGE - FODDER)	24.6635	15	802.20	A
	COTTON	14.3185	91	6,467.10	A
	GRAPE	39.2631	57	3,242.65	A
	GRAPE, WINE	55.1035	11	945.70	A
	LANDSCAPE MAINTENANCE	1.9562			
	LEMON	54.3595	1	55.00	A
	MELON	0.3093	1	60.00	A
	N-OUTDR FLOWER	0.1150	13	47.00	A
	N-OUTDR PLANTS IN CONTAINERS	1.6509	19	401.06	A
	N-OUTDR TRANSPLANTS	3.1587	10	163.40	A
	OAT (FORAGE - FODDER)	8.2363	1	100.00	A
	ONION, DRY	0.4294	4	218.00	A
	ORANGE	3.3223	3	139.00	A
	PEACH	1.5154	5	160.27	A
	PECAN	0.8699	1	30.00	A
	PEPPER, FRUITING	4.6782	2	243.50	A
	PISTACHIO	248.4385	73	10,354.46	A
	PLUM	8.3228	18	883.24	A
	POMEGRANATE	0.0928	1	16.00	A
	RICE	0.4756	7	409.00	A
	SUGARBEET	0.0302	1	63.00	A
	TOMATO	0.1222	1	42.00	A
	TOMATO, PROCESSING	0.3611	2	264.58	A
	UNCULTIVATED AG	0.0800	5	80.00	A
	WALNUT	4.4469	3	220.89	A
	WATERMELON	0.5201	4	225.00	A
	WHEAT	13.2507	2	235.00	A
	Chemical Total	1,060.5437	845		
<b>TETRAPOTASSIUM PYROPHOSPHATE</b>					
	ALFALFA	98.0054	545	28,326.03	A
	ALMOND	309.0999	423	40,567.95	A
	APPLE	3.0718	39	447.50	A
	APRICOT	0.6765	12	136.92	A
	ARRUGULA	0.0123	1	1.50	A
	ARTICHOKE, GLOBE	0.5313	8	116.30	A
	ASPARAGUS	6.7540	30	1,617.00	A
	AVOCADO	6.6445	247	1,859.80	A
	BEAN, DRIED	8.5673	47	2,865.60	A
	BEAN, SUCCULENT	5.6915	41	1,805.10	A
	BEAN, UNSPECIFIED	4.3529	38	1,189.80	A
	BEET	0.0123	1	1.50	A
	BLACKBERRY	2.1237	43	325.82	A
	BLUEBERRY	0.1308	5	24.10	A
	BOK CHOY	1.0660	147	243.46	A
	BROCCOLI	136.5038	2,128	24,966.05	A
		0.0625	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	136.5663			
	BRUSSELS SPROUT	0.1783	7	36.50	A
	CABBAGE	17.9520	298	2,446.35	A
	CANTALOUPE	3.3001	16	893.50	A

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<b>TETRAPOTASSIUM PYROPHOSPHATE</b>					
	CARROT	3.1571	63	558.60	A
	CAULIFLOWER	32.4288	571	5,027.05	A
	CELERIAC	0.0271	1	5.00	A
	CELERY	38.1217	801	6,310.30	A
	CHERRY	10.0167	38	902.50	A
	CHICORY	0.2842	7	60.50	A
	CHINESE CABBAGE (NAPPA)	5.7060	368	1,198.64	A
	CHIVE	0.0460	17	16.50	A
	CHRISTMAS TREE	0.2480	1	14.00	A
	CILANTRO	0.0617	2	13.60	A
	CITRUS	0.3582	5	70.00	A
	COLE CROP	0.0271	1	5.00	A
	COLLARD	0.1831	1	17.00	A
	CORN (FORAGE - FODDER)	13.5520	60	3,755.25	A
	CORN, HUMAN CONSUMPTION	2.0113	20	654.50	A
	COTTON	226.1321	1,244	48,480.33	A
	CUCUMBER	7.8462	48	1,546.15	A
	EGGPLANT	0.0162	1	10.00	A
	ENDIVE (ESCAROLE)	1.0142	43	201.90	A
	FENNEL	0.7212	22	169.50	A
	FIG	5.2655	19	1,900.00	A
	FORAGE HAY/SILAGE	0.5142	6	235.00	A
	FUMIGATION, OTHER	0.1602			
	GARLIC	0.3936	1	180.00	A
	GRAPE	218.7001	940	42,970.95	A
	GRAPE, WINE	188.5006	877	53,452.46	A
	GRAPEFRUIT	0.2490	4	67.00	A
	HERB, SPICE	0.3764	93	185.55	A
	KALE	0.1789	10	32.38	A
	KOHLRABI	0.0072	1	2.00	A
	LANDSCAPE MAINTENANCE	65.4008			
		0.0219	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	65.4227			
	LEMON	10.6976	45	969.50	A
	LETTUCE, HEAD	371.0769	4,795	60,334.48	A
	LETTUCE, LEAF	226.7378	3,465	30,886.65	A
	LIME	0.0375	1	7.00	A
	MELON	2.3628	16	808.90	A
	MINT	0.0081	3	5.00	A
	MUSTARD	0.5234	43	63.80	A
	N-GRNHS FLOWER	16.8983	544	1,587.62	A
		14.6487	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	31.5470			
	N-GRNHS PLANTS IN CONTAINERS	12.3052	683	1,719.23	A
		1.3784	243	5,930,801.82	S
		0.0062	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	13.6898			
	N-GRNHS TRANSPLANTS	0.4155	7	960,000.00	S
		0.2000	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	0.6155			
	N-OUTDR FLOWER	13.9940	716	3,539.78	A
		0.1392	24	145,460.00	S
		0.1353	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	14.2685			
	N-OUTDR PLANTS IN CONTAINERS	14.3568	1,068	1,197.72	A
		2.2759	278	15,457,544.50	S
		0.4442	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	17.0769			
	N-OUTDR TRANSPLANTS	8.9499	259	28,614,935.00	S
		0.1503	1	180,000.00	U
		0.0369	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	9.1371			
	NECTARINE	27.8842	273	4,820.03	A
	OAT	0.1312	1	45.00	A
	OAT (FORAGE - FODDER)	0.0437	1	20.00	A
	OLIVE	1.4056	6	249.00	A
	ONION, DRY	13.5412	114	2,196.88	A
	ONION, GREEN	1.7165	45	247.90	A

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<b>TETRAPOTASSIUM PYROPHOSPHATE</b>					
	ORANGE	123.9277	308	10,050.17	A
	PARSLEY	0.2589	13	71.80	A
	PEACH	38.4597	290	6,698.98	A
	PEAR	0.2237	11	54.50	A
	PEAS	1.2587	22	221.95	A
	PECAN	0.2843	3	30.00	A
	PEPPER, FRUITING	14.6084	215	3,252.55	A
	PEPPER, SPICE	1.2941	17	371.50	A
	PERSIMMON	0.2144	8	60.50	A
	PISTACHIO	101.7821	272	21,195.20	A
	PLUM	13.2135	153	2,711.63	A
	POMEGRANATE	0.1749	4	26.00	A
	POTATO	5.3919	34	1,576.80	A
	POULTRY	0.4200		32.00	U
	PRUNE	0.7138	9	73.00	A
	PUMPKIN	0.4392	12	103.85	A
	RADISH	0.1859	26	13.50	A
	RAPPINI	2.2993	22	229.20	A
	RASPBERRY	9.8941	140	2,106.19	A
	RESEARCH COMMODITY	0.0697			
	RIGHTS OF WAY	26.4657			
	SAGE	0.0271	8	12.00	A
	SORGHUM/MILO	0.2563	2	78.12	A
	SPINACH	0.4852	24	145.32	A
	SQUASH	2.6020	44	581.70	A
	SQUASH, SUMMER	1.1310	20	222.10	A
	SQUASH, WINTER	0.0166	1	6.00	A
	STRAWBERRY	181.5967	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	36.9049			
	SUDANGRASS	0.3695	3	52.00	A
	SUGARBEET	3.9720	35	2,149.00	A
	SUNFLOWER	0.3312	4	100.70	A
	TANGELO	4.1572	22	185.75	A
	TANGERINE	1.6892	14	490.00	A
	TARRAGON	0.0189	7	7.00	A
	TOMATILLO	0.1605	2	30.00	A
	TOMATO	13.2131	78	4,344.40	A
	TOMATO, PROCESSING	33.3336	117	7,580.20	A
	TURNIP	0.1517	25	18.50	A
	UNCULTIVATED AG	1.9005	26	384.60	A
	UNCULTIVATED NON-AG	0.1185	2	9.00	A
	UNKNOWN	0.0054	2	3.00	A
	VEGETABLES, LEAFY	0.1060	2	13.50	A
	VERTEBRATE CONTROL	0.5685			
		0.1273	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.6958			
	WALNUT	74.0851	208	6,621.00	A
	WATERMELON	11.2848	72	2,791.70	A
	WHEAT	10.0529	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	0.4762	5	207.40	A
	Chemical Total	2,889.6874	25,903		
<b>THIABENDAZOLE</b>					
	APPLE	26.9597		43,180.15	T
		2.6636	1	9.00	A
	TOTAL POUNDS ON THIS COMMODITY	29.6233			
	BEAN, DRIED	0.3049		149.00	A
	CITRUS	1,394.1185		144,463.02	T
		206.9903		729,524.88	U
		92.4864		221,594.77	C
	TOTAL POUNDS ON THIS COMMODITY	1,693.5952			
	COMMODITY FUMIGATION	261.7791			
	LANDSCAPE MAINTENANCE	41.0181			
	LEMON	1,098.7420		163,450.30	T
		22.7557		41,262.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,121.4977			



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<b>THIABENDAZOLE</b>					
	MUSHROOM	2,584.3277	292	318.85	A
		1,713.0201	2,150	15,006,732.56	S
	TOTAL POUNDS ON THIS COMMODITY	4,297.3478			
	MUSHROOM HOUSE	14.1103	24	123,000.00	S
	N-GRNHS FLOWER	0.2553	1	2.00	A
	N-GRNHS PLANTS IN CONTAINERS	5.7716	2	45,800.00	S
		4.1748	4	7.25	A
	TOTAL POUNDS ON THIS COMMODITY	9.9464			
	N-OUTDR FLOWER	6.9453		10.90	A
	N-OUTDR PLANTS IN CONTAINERS	0.6384	2	2.10	A
	N-OUTDR TRANSPLANTS	1.6597	3	6.00	A
		0.4611	9	15,000.00	S
		0.0000		1,000,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	2.1208			
	ORANGE	4,551.2713		911,273.39	T
		77.3512		181,062.00	U
		4.8209		311,804.00	P
	TOTAL POUNDS ON THIS COMMODITY	4,633.4434			
	PEAR	195.2555		11,630.80	T
		8.1356		873,750.00	P
	TOTAL POUNDS ON THIS COMMODITY	203.3911			
	SPINACH	1.7892	1	7.00	A
	STRUCTURAL PEST CONTROL	108.0801			
	SWEET POTATO	10.2136	1	20.00	A
	TANGERINE	39.7329		6,049.93	T
	Chemical Total	12,475.8329	2,490		
<b>THIAMETHOXAM</b>					
	APPLE	1.2418	2	14.45	A
	ARTICHOKE, GLOBE	3.2579	5	139.00	A
	CANTALOUPE	494.4313	132	12,645.80	A
	COTTON	7,084.9951	1,700	181,914.83	A
	CUCUMBER	62.1753	35	1,330.20	A
	EGGPLANT	4.8568	5	54.00	A
	LANDSCAPE MAINTENANCE	10.8468			
	MELON	237.1683	50	4,294.40	A
	N-GRNHS FLOWER	6.6313	73	98.80	A
		0.3338	10	96,849.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.9651			
	N-GRNHS PLANTS IN CONTAINERS	21.6392	182	212.20	A
		4.0826	64	910,508.00	S
		0.0625	1	29,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	25.7843			
	N-GRNHS TRANSPLANTS	0.7031	4	18.25	A
		0.0826	3	44,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.7857			
	N-OUTDR FLOWER	3.8038	31	62.58	A
	N-OUTDR PLANTS IN CONTAINERS	55.1513	222	614.86	A
		0.1042	4	75,534.00	S
	TOTAL POUNDS ON THIS COMMODITY	55.2555			
	N-OUTDR TRANSPLANTS	0.4844	8	21.00	A
	PEAR	32.8890	28	380.70	A
	PEPPER, FRUITING	329.1735	174	6,164.55	A
	PEPPER, SPICE	45.7525	40	931.10	A
	PIMENTO	7.8563	8	165.30	A
	POTATO	94.9116	11	1,047.79	A
	PUMPKIN	6.3125	10	99.70	A
	RESEARCH COMMODITY	3.1051			
	SQUASH	19.8590	24	414.76	A
	SQUASH, SUMMER	1.0000	3	16.00	A
	SUNFLOWER	544.4134		76,480.00	K
	TOMATO	41.4080	15	458.05	A
	TOMATO, PROCESSING	862.3588	76	9,263.60	A
	WATERMELON	88.9240	37	1,494.20	A
	Chemical Total	10,070.0158	2,957		

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<b>THIAZOPYR</b>					
	ALMOND	398.1101	19	839.66	A
	GRAPE	35.1837	3	141.37	A
	GRAPE, WINE	6.7082	4	9.74	A
	GRAPEFRUIT	23.3722	9	46.60	A
	NECTARINE	1.3938	1	20.88	A
	ORANGE	245.3830	34	458.15	A
	PLUM	1.5046	1	5.90	A
	WALNUT	211.5134	10	358.90	A
	Chemical Total	923.1690	81		
<b>THIDIAZURON</b>					
	COTTON	28,748.4383	6,742	526,341.13	A
	GRAPE, WINE	0.0313	1	7.00	A
	RESEARCH COMMODITY	0.5671		5.76	A
	Chemical Total	28,749.0367	6,743		
<b>THIOBENCARB</b>					
	RESEARCH COMMODITY	29.6507			
	RICE	521,556.1108	1,483	136,131.74	A
	Chemical Total	521,585.7615	1,483		
<b>THIODICARB</b>					
	ARRUGULA	1.2557	2	8.00	A
	BROCCOLI	87.9229	6	196.00	A
	CAULIFLOWER	215.3747	13	361.00	A
	CELERY	363.7854	46	564.56	A
	CORN, HUMAN CONSUMPTION	21.8911	2	39.40	A
	COTTON	715.7511	8	926.00	A
	LANDSCAPE MAINTENANCE	4.3900			
	LETTUCE, HEAD	423.2650	21	809.80	A
	LETTUCE, LEAF	142.3081	12	236.55	A
	N-GRNHS PLANTS IN CONTAINERS	1.4164	3	2.82	A
	SPINACH	258.6455	18	540.00	A
	Chemical Total	2,236.0059	131		
<b>THIOPHANATE</b>					
	ALMOND	35.0000	1	50.00	A
	LANDSCAPE MAINTENANCE	14.9375			
	N-GRNHS FLOWER	1.6875	3	7.50	A
	N-GRNHS PLANTS IN CONTAINERS	0.7500	1	0.03	A
	N-OUTDR FLOWER	9.5031	7	13.25	A
	N-OUTDR PLANTS IN CONTAINERS	12.9375	3	1.16	A
		0.0650	1	134.00	S
	TOTAL POUNDS ON THIS COMMODITY	13.0025			
	N-OUTDR TRANSPLANTS	0.2250	1	1.00	A
	Chemical Total	75.1056	17		
<b>THIOPHANATE-METHYL</b>					
	ALMOND	17,566.0862	352	24,824.40	A
	APPLE	105.1750	9	151.00	A
	APRICOT	250.1660	18	251.93	A
	AVOCADO	1.2500	1	12.00	A
	BEAN, SUCCULENT	779.8000	19	771.54	A
	BEAN, UNSPECIFIED	18.9000	2	18.00	A
	CANTALOUPE	1,015.0433	69	3,251.70	A
	CHERRY	433.8250	21	454.80	A
	GRAPE	10,712.3282	260	9,200.16	A
	GRAPE, WINE	1,438.3297	223	3,687.49	A
	LANDSCAPE MAINTENANCE	17,002.3604			
		2.1850	2	120.00	A
	TOTAL POUNDS ON THIS COMMODITY	17,004.5454			
	MELON	1,120.8995	104	3,313.00	A
	MUSHROOM	96.0750	65	955,854.00	S

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<b>THIOPHANATE-METHYL</b>					
	N-GRNHS FLOWER	490.1563	607	1,929.79	A
		306.3483	129	3,157,614.16	S
		66.0000	5	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	862.5046			
	N-GRNHS PLANTS IN CONTAINERS	5,040.6334	2,288	2,485.66	A
		2,707.0392	1,307	38,978,780.91	S
		17.6615	31	250,924.00	U
		12.0000			
	TOTAL POUNDS ON THIS COMMODITY	7,777.3341			
	N-GRNHS TRANSPLANTS	196.0429	436	3,304,800.00	S
		81.6021	161	1,722.19	A
		0.0438	2	2,666.00	U
	TOTAL POUNDS ON THIS COMMODITY	277.6888			
	N-OUTDR FLOWER	1,854.2618	886	4,347.74	A
		623.5741	57	4,719,834.00	S
		161.7500	15	2,270,009.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,639.5859			
	N-OUTDR PLANTS IN CONTAINERS	11,028.4360	2,562	6,556.26	A
		348.1370	306	7,874,499.00	S
		1.4541	11	189,580.00	U
	TOTAL POUNDS ON THIS COMMODITY	11,378.0271			
	N-OUTDR TRANSPLANTS	789.2017	217	2,042.40	A
		656.4282	32	10,876,333.00	U
		333.1832	123	742,764.00	S
	TOTAL POUNDS ON THIS COMMODITY	1,778.8131			
	NECTARINE	445.9000	37	475.00	A
	ONION, DRY	14.0000	2	14.00	A
	PEACH	823.5570	39	649.37	A
	PEAR	23.8000	2	33.00	A
	PISTACHIO	25,304.7198	268	22,083.25	A
	PLUM	1,011.5700	44	900.80	A
	POTATO	2,506.0000		7,616.80	T
	PRUNE	16.8000	2	16.00	A
	PUMPKIN	107.1000	10	306.00	A
	RESEARCH COMMODITY	4.8832			
		4.8180	8	0.65	A
	TOTAL POUNDS ON THIS COMMODITY	9.7012			
	RIGHTS OF WAY	19.5750			
		0.2813	1	2.00	A
	TOTAL POUNDS ON THIS COMMODITY	19.8563			
	SQUASH	62.9160	4	186.00	A
	SQUASH, SUMMER	3.1500	1	9.00	A
	STRAWBERRY	10,074.8398	526	14,328.63	A
	STRUCTURAL PEST CONTROL	708.1455			
	SUGARBEET	1,037.0850	40	2,645.10	A
	SUGARBEET (FORAGE - FODDER)	69.3000	3	198.00	A
	TURF/SOD	119.2400	3	9.30	A
	UNCULTIVATED AG	37.1000	1	53.00	A
	WATERMELON	1,357.1493	144	4,079.83	A
	Chemical Total	119,008.3068	11,455		
<b>THIRAM</b>					
	ALFALFA	1,551.1458		1,149,332.00	P
		5.5136		1.10	T
	TOTAL POUNDS ON THIS COMMODITY	1,556.6594			
	APPLE	58.5000	3	11.00	A
	ARRUGULA	8.7481		3,510.59	P
		8.0220		3,213.20	U
	TOTAL POUNDS ON THIS COMMODITY	16.7701			
	ASPARAGUS	2.4659		1,300.00	P
	BARLEY	223.9437		777,030.00	P
	BEAN, DRIED	1,125.5045		17,726.00	C
		208.4540		7,792.00	U
		54.1879		86,650.00	P
		43.5499		70.00	T
	TOTAL POUNDS ON THIS COMMODITY	1,431.6963			

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<b>THIRAM</b>					
	BEET	277.4457		128,316.97	P
		200.0000		400.00	U
	TOTAL POUNDS ON THIS COMMODITY	477.4457			
	BERMUDAGRASS	242.3110		247,697.00	P
	BOK CHOY	0.4994		200.00	P
	BROCCOLI	245.6931		98,565.76	P
		17.7296		7,102.86	U
		6.2693		2,837.36	K
	TOTAL POUNDS ON THIS COMMODITY	269.6920			
	BRUSSELS SPROUT	0.3399		152.98	K
		0.0827		50.29	P
		0.0034		1.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.4260			
	CABBAGE	115.1386		47,474.75	P
		6.8259		2,539.39	K
		1.9852		718.40	A
		0.7500		620.00	U
	TOTAL POUNDS ON THIS COMMODITY	124.6997			
	CANTALOUPE	153.1344		104,514.77	P
		17.4459		4,897.49	K
		8.9725		6,380.25	T
	TOTAL POUNDS ON THIS COMMODITY	179.5528			
	CARROT	767.5996		301,364.12	P
		7.7500		12,693.00	U
	TOTAL POUNDS ON THIS COMMODITY	775.3496			
	CAULIFLOWER	122.0182		50,100.46	P
		0.8647		279.24	K
		0.3438		320.00	U
	TOTAL POUNDS ON THIS COMMODITY	123.2267			
	CELERY	15.6292		6,268.24	P
		0.2000		35.95	K
		0.0696		27.93	A
		0.0313		10.00	U
	TOTAL POUNDS ON THIS COMMODITY	15.9301			
	CILANTRO	79.6019		31,966.00	P
		15.7500		21,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	95.3519			
	COLLARD	22.7110		9,068.89	P
	COMMODITY FUMIGATION	103.8804			
	CORN, HUMAN CONSUMPTION	1.6638		2,633.88	P
	COTTON	125.0561		560.30	T
	CUCUMBER	822.7169		410,834.27	P
		4.1250		8,104.00	U
		0.1764		63.15	K
	TOTAL POUNDS ON THIS COMMODITY	827.0183			
	EGGPLANT	7.4552		71,229.44	P
		2.0008		68.00	K
		0.6920		341.21	A
		0.1250		120.00	U
	TOTAL POUNDS ON THIS COMMODITY	10.2730			
	ENDIVE (ESCAROLE)	2.0778		831.89	P
	FENNEL	0.0044		1.83	P
	FUMIGATION, OTHER	577.2185			
	GRASS, SEED	50.0000		40,000.00	P
	KALE	0.3921		757.00	P
	KOHLRABI	9.4154		3,794.31	P
		0.0938		60.00	U
	TOTAL POUNDS ON THIS COMMODITY	9.5092			
	LANDSCAPE MAINTENANCE	154.6038			
	LEEK	3.1808		2,468.71	P
		0.8593		344.20	A
		0.5000		712.00	U
	TOTAL POUNDS ON THIS COMMODITY	4.5401			
	LETTUCE, HEAD	4.4591		2,030.41	P
	LETTUCE, LEAF	66.1464		26,297.68	P
		0.0837		271.00	A
		0.0250		4.75	K
	TOTAL POUNDS ON THIS COMMODITY	66.2551			

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<b>THIRAM</b>					
	MELON	18.5469		4,084.00	P
		1.3750		2,036.00	U
	TOTAL POUNDS ON THIS COMMODITY	19.9219			
	N-GRNHS PLANTS IN CONTAINERS	2.6475	4	0.82	A
	N-OUTDR TRANSPLANTS	783.0987		6,531,198.00	U
	OAT	18.0455		68,940.00	P
	ONION, DRY	1,375.5169		548,171.52	P
		27.5000		36,812.00	U
		0.6300		152.54	K
	TOTAL POUNDS ON THIS COMMODITY	1,403.6469			
	PARSLEY	171.9301		10,951.42	P
		0.4375		318.00	U
	TOTAL POUNDS ON THIS COMMODITY	172.3676			
	PEPPER, FRUITING	148.4396		66,118.42	P
		6.3150		2,111.39	K
		1.5000		2,937.00	U
	TOTAL POUNDS ON THIS COMMODITY	156.2546			
	PEPPER, SPICE	9.2576		3,708.66	P
	PUMPKIN	96.3238		11,617.46	P
	RADISH	563.1508		198,366.02	P
		8.4197		3,601.00	K
		1.5000		2,445.00	U
	TOTAL POUNDS ON THIS COMMODITY	573.0705			
	RESEARCH COMMODITY	4.5815			
	RICE	61.0230		79.70	T
	RIGHTS OF WAY	351.4870			
	RYEGRASS	1.9197		2,050.00	P
	SAFFLOWER	199.7701		304,650.00	P
	SORGHUM/MILO	433.5010		462,967.00	P
	SPINACH	2,076.2175		833,636.81	P
	SQUASH	594.6249		423,695.38	P
		80.9743		34,288.14	K
		2.6250		3,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	678.2242			
	SQUASH, SUMMER	6.5000		8,576.00	U
	STRAWBERRY	40,716.2966	767	20,205.11	A
	STRUCTURAL PEST CONTROL	1,329.5375			
	SUDANGRASS	471.5772		503,612.00	P
		0.5594	2	90.00	A
	TOTAL POUNDS ON THIS COMMODITY	472.1366			
	SUNFLOWER	619.2872		193,592.00	K
		23.1767		4,239.69	P
	TOTAL POUNDS ON THIS COMMODITY	642.4639			
	SWISS CHARD	5.7188		5,813.00	U
		5.0362		2,080.02	P
		1.2651		506.62	A
	TOTAL POUNDS ON THIS COMMODITY	12.0201			
	TOMATO	161.0107		95,420.27	P
		2.8125		3,521.00	U
		0.9925		326.44	K
	TOTAL POUNDS ON THIS COMMODITY	164.8157			
	TURNIP	98.8346		48,432.46	P
		17.2500		34,371.00	U
		0.2616		104.78	A
	TOTAL POUNDS ON THIS COMMODITY	116.3462			
	VEGETABLE	254.0825		603,254.00	C
		145.3195		290,000.00	P
		27.8513	3	39.07	A
	TOTAL POUNDS ON THIS COMMODITY	427.2533			
	VEGETABLES, STEM	35.2095		100,398.00	C
	WATERCRESS	0.5284		211.64	P

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<b>THIRAM</b>					
	WATERMELON	465.8156		357,277.26	P
		14.2711		4,868.40	K
		3.6250		7,296.00	U
	TOTAL POUNDS ON THIS COMMODITY	483.7117			
	WHEAT	1,338.6548		2,432,608.00	P
		217.4279		360.96	T
	TOTAL POUNDS ON THIS COMMODITY	1,556.0827			
	Chemical Total	60,558.4438	779		
<b>THYMOL</b>					
	LANDSCAPE MAINTENANCE	0.0063			
	STRUCTURAL PEST CONTROL	0.0053			
	Chemical Total	0.0116			
<b>TOXAPHENE</b>					
	GRAPE	17.9478	1	48.00	A
	RESEARCH COMMODITY	0.1631			
	Chemical Total	18.1109	1		
<b>TRALOMETHRIN</b>					
	BROCCOLI	3.8134	3	164.00	A
	LANDSCAPE MAINTENANCE	0.0002			
	LETTUCE, HEAD	0.8372	2	39.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.5204	2	21.75	A
	N-OUTDR TRANSPLANTS	0.0002	1	0.01	A
	RIGHTS OF WAY	0.0002			
	STRUCTURAL PEST CONTROL	131.0431			
	Chemical Total	136.2147	8		
<b>TRIADIMEFON</b>					
	BLACKBERRY	0.9050	1	7.25	A
	CHRISTMAS TREE	0.2500	2	0.17	A
	FOREST, TIMBERLAND	0.0782	1	20.00	A
	GRAPE	400.4808	43	3,287.00	A
	GRAPE, WINE	17.7250	21	147.05	A
	GRASS, SEED	28.8700	4	330.00	A
	LANDSCAPE MAINTENANCE	1,260.9351			
	N-GRNHS FLOWER	12.7444	33	108.08	A
		1.4298	25	381,016.00	S
	TOTAL POUNDS ON THIS COMMODITY	14.1742			
	N-GRNHS PLANTS IN CONTAINERS	18.3882	79	178.30	A
		3.2615	45	1,056,810.00	S
		1.1798	22	720,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	22.8295			
	N-GRNHS TRANSPLANTS	1.0157	17	11.01	A
		0.2816	4	9,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.2973			
	N-OUTDR FLOWER	72.6312	138	698.09	A
		0.4063	5	19,800.00	S
	TOTAL POUNDS ON THIS COMMODITY	73.0375			
	N-OUTDR PLANTS IN CONTAINERS	97.7673	260	472.93	A
		4.9873	61	753,830.00	S
		0.0117	1	300.00	U
	TOTAL POUNDS ON THIS COMMODITY	102.7663			
	N-OUTDR TRANSPLANTS	3.2321	19	861,500.00	S
		2.0052	22	16.45	A
	TOTAL POUNDS ON THIS COMMODITY	5.2373			
	PEPPER, FRUITING	3.1250	1	100.00	A
	PEPPER, SPICE	1.0000		0.20	A
	RASPBERRY	161.1182	102	1,298.43	A
	RECREATION AREA	0.4605		1.50	A
	RESEARCH COMMODITY	12.7257			
		0.0150	3	6,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	12.7407			

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<b>TRIADIMEFON</b>					
	RIGHTS OF WAY	0.0496			
	STRUCTURAL PEST CONTROL	2.5583			
	TURF/SOD	0.0938	1	0.20	A
	VERTEBRATE CONTROL	0.0625			
	WATERMELON	0.3750	1	3.00	A
	Chemical Total	2,110.1698	911		
<b>TRIADIMENOL</b>					
	COTTON	752.6433		3,407.30	T
		51.0451		61.60	A
	TOTAL POUNDS ON THIS COMMODITY	803.6884			
	STRUCTURAL PEST CONTROL	31.5224			
	Chemical Total	835.2108			
<b>TRIALATE</b>					
	LANDSCAPE MAINTENANCE	6.2505			
	Chemical Total	6.2505			
<b>S,S,S-TRIBUTYL PHOSPHOTRITHIOATE</b>					
	COTTON	179,688.9704	1,779	133,532.85	A
	RESEARCH COMMODITY	0.5503	2	1.72	A
	Chemical Total	179,689.5207	1,781		
<b>TRIBUTYL TIN OXIDE</b>					
	ANIMAL PREMISE	36.4140	1	52.00	A
		12.3718		38.00	U
	TOTAL POUNDS ON THIS COMMODITY	48.7858			
	LANDSCAPE MAINTENANCE	404.5458			
	Chemical Total	453.3316	1		
<b>TRICHLORFON</b>					
	LANDSCAPE MAINTENANCE	224.5313			
	RIGHTS OF WAY	748.0000			
	STRUCTURAL PEST CONTROL	62.1430			
	WATER AREA	0.3000		3,000.00	U
	Chemical Total	1,034.9743			
<b>TRICHLOROFLUOROMETHANE</b>					
	LANDSCAPE MAINTENANCE	11.4743			
	STRUCTURAL PEST CONTROL	176.8921			
	Chemical Total	188.3664			
<b>TRICHLORO-S-TRIAZINETRIONE</b>					
	LANDSCAPE MAINTENANCE	8,823.7017			
	N-GRNHS FLOWER	1.1880	1	0.60	A
	N-GRNHS PLANTS IN CONTAINERS	7.4800	2	6.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.4400	1	1.00	A
	STRUCTURAL PEST CONTROL	184.0000			
	WATER (INDUSTRIAL)	7,896.0500		5.00	U
		51.0950		11.00	A
	TOTAL POUNDS ON THIS COMMODITY	7,947.1450			
	Chemical Total	16,963.9547	4		
<b>TRICHODERMA HARZIANUM RIFAI STRAIN KRL-AG2</b>					
	HERB, SPICE	1.2992	42	23.71	A
		0.0510	1	0.60	U
		0.0000	5	5.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.3502			
	LANDSCAPE MAINTENANCE	0.2990			

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<b>TRICHODERMA HARZIANUM RIFAI STRAIN KRL-AG2</b>					
	N-GRNHS FLOWER	0.5684	39	42.56	A
		0.0518	4	65,367.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.6202			
	N-GRNHS PLANTS IN CONTAINERS	1.8583	210	5,291,365.00	S
		1.5834	161	37.33	A
		0.0230	2	54.00	U
	TOTAL POUNDS ON THIS COMMODITY	3.4647			
	N-GRNHS TRANSPLANTS	3.2179	164	1,712,700.00	S
		0.1064	4	5.25	A
	TOTAL POUNDS ON THIS COMMODITY	3.3243			
	N-OUTDR FLOWER	19.6650	31	14.70	A
	N-OUTDR PLANTS IN CONTAINERS	6.4725	84	491.06	A
		0.8538	16	192,180.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.3263			
	N-OUTDR TRANSPLANTS	0.1150	2	0.46	A
	STRUCTURAL PEST CONTROL	0.0268			
	TOMATO	0.6670	4	51.00	A
	Chemical Total	36.8585	769		
<b>TRICLOPYR, TRIETHYLAMINE SALT</b>					
	FOREST, TIMBERLAND	836.7503	35	522.24	A
	GRAPE, WINE	0.4920	1	4.90	A
	LANDSCAPE MAINTENANCE	3,719.8850			
		23.5122	12	11.00	A
	TOTAL POUNDS ON THIS COMMODITY	3,743.3972			
	N-GRNHS PLANTS IN CONTAINERS	0.3917	1	30,000.00	S
	N-OUTDR FLOWER	8.5630	2	14.13	A
	N-OUTDR TRANSPLANTS	1.6725	1	3.00	A
	PASTURELAND	47.1607	6	533.90	A
	PEAR	0.0194	2	44.00	A
	PUBLIC HEALTH	0.6442			
	RANGELAND	410.9415	12	522.00	A
	RECREATION AREA	1.1752	1	4.00	A
	REGULATORY PEST CONTROL	35.2761			
		0.7907		1.00	A
	TOTAL POUNDS ON THIS COMMODITY	36.0668			
	RICE	55,722.8228	4,038	308,854.42	A
	RIGHTS OF WAY	7,183.7438			
		17.5050	2	76.70	A
	TOTAL POUNDS ON THIS COMMODITY	7,201.2488			
	SOIL FUMIGATION/PREPLANT	92.2540	4	460.90	A
	STRUCTURAL PEST CONTROL	207.4508			
	TURF/SOD	76.5555	7	37.40	A
	UNCULTIVATED AG	188.2765	3	217.50	A
	UNCULTIVATED NON-AG	660.1582	12	329.00	A
	UNKNOWN	30.4961	1	153.00	A
	WALNUT	3.1484	1	3.00	A
	Chemical Total	69,269.6856	4,141		
<b>TRICLOPYR, BUTOXYETHYL ESTER</b>					
	BARLEY	0.0433	1	5.00	A
	CHRISTMAS TREE	0.4329	1	0.50	A
	FOREST, TIMBERLAND	13,788.0696	396	11,564.08	A
	GRAPE, WINE	50.6533	8	63.50	A
	INDUSTRIAL SITE	4.8491		3.00	A
	LANDSCAPE MAINTENANCE	26,051.6036			
		36.8657	11	48.65	A
		0.1585	2	23,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	26,088.6278			
	N-GRNHS FLOWER	12.4690	1	1.80	A
	N-OUTDR FLOWER	699.7014	23	490.84	A
	N-OUTDR PLANTS IN CONTAINERS	1,155.8249	55	904.66	A
	N-OUTDR TRANSPLANTS	473.7371	23	342.00	A
	ORCHARD FLOOR	0.7360		0.50	A
	PASTURELAND	387.7683	62	1,876.25	A
	PUBLIC HEALTH	2,572.6729			



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<b>TRICLOPYR, BUTOXYETHYL ESTER</b>					
	RANGELAND	1,140.3353	98	2,439.78	A
		3.5694	3	3.00	U
	TOTAL POUNDS ON THIS COMMODITY	1,143.9047			
	REGULATORY PEST CONTROL	510.6150			
		26.6870		16.16	A
	TOTAL POUNDS ON THIS COMMODITY	537.3020			
	RESEARCH COMMODITY	0.0145			
	RICE, WILD	5.4392	1	10.00	A
	RIGHTS OF WAY	21,441.8038			
	SOIL FUMIGATION/PREPLANT	5.4392	1	2.00	A
	STRUCTURAL PEST CONTROL	380.3968			
	TURF/SOD	4,155.6642	166	3,230.20	A
		0.2775	1	13,068.00	S
	TOTAL POUNDS ON THIS COMMODITY	4,155.9417			
	UNCULTIVATED AG	92.7134	6	142.44	A
	UNCULTIVATED NON-AG	401.9186	27	488.00	A
	VERTEBRATE CONTROL	0.0216			
	WATER AREA	205.0459	1	542.70	A
	Chemical Total	73,605.5270	887		
<b>(E)-4-TRIDECEN-1-YL-ACETATE</b>					
	TOMATO	17.7554	19	849.56	A
	TOMATO, PROCESSING	113.1405	81	4,705.80	A
	Chemical Total	130.8959	100		
<b>(Z)-4-TRIDECEN-1-YL-ACETATE</b>					
	TOMATO	0.5627	19	849.56	A
	TOMATO, PROCESSING	3.5741	81	4,705.80	A
	Chemical Total	4.1368	100		
<b>TRIETHANOLAMINE</b>					
	ALFALFA	249.9138	545	28,326.03	A
	ALMOND	788.2046	423	40,567.95	A
	APPLE	7.8331	39	447.50	A
	APRICOT	1.7250	12	136.92	A
	ARRUGULA	0.0314	1	1.50	A
	ARTICHOKES, GLOBE	1.3548	8	116.30	A
	ASPARAGUS	17.2226	30	1,617.00	A
	AVOCADO	16.9434	247	1,859.80	A
	BEAN, DRIED	21.8467	47	2,865.60	A
	BEAN, SUCCULENT	14.5133	41	1,805.10	A
	BEAN, UNSPECIFIED	11.0999	38	1,189.80	A
	BEET	0.0314	1	1.50	A
	BLACKBERRY	5.4154	43	325.82	A
	BLUEBERRY	0.3335	5	24.10	A
	BOK CHOY	2.7182	147	243.46	A
	BROCCOLI	348.0846	2,128	24,966.05	A
		0.1593	23	819,331.80	S
	TOTAL POUNDS ON THIS COMMODITY	348.2439			
	BRUSSELS SPROUT	0.4546	7	36.50	A
	CABBAGE	45.7775	298	2,446.35	A
	CANTALOUPE	8.4153	16	893.50	A
	CARROT	8.0505	63	558.60	A
	CAULIFLOWER	82.6934	571	5,027.05	A
	CELERIAC	0.0691	1	5.00	A
	CELERY	97.2103	801	6,310.30	A
	CHERRY	25.5427	38	902.50	A
	CHICORY	0.7248	7	60.50	A
	CHINESE CABBAGE (NAPPA)	14.5504	368	1,198.64	A
	CHIVE	0.1173	17	16.50	A
	CHRISTMAS TREE	0.6324	1	14.00	A
	CILANTRO	0.1574	2	13.60	A
	CITRUS	0.9133	5	70.00	A
	COLE CROP	0.0691	1	5.00	A
	COLLARD	0.4670	1	17.00	A

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<b>TRIETHANOLAMINE</b>					
	CORN (FORAGE - FODDER)	34.5575	60	3,755.25	A
	CORN, HUMAN CONSUMPTION	5.1289	20	654.50	A
	COTTON	576.6368	1,244	48,480.33	A
	CUCUMBER	20.0077	48	1,546.15	A
	EGGPLANT	0.0414	1	10.00	A
	ENDIVE (ESCAROLE)	2.5863	43	201.90	A
	FENNEL	1.8390	22	169.50	A
	FIG	13.4270	19	1,900.00	A
	FORAGE HAY/SILAGE	1.3111	6	235.00	A
	FUMIGATION, OTHER	0.4084			
	GARLIC	1.0037	1	180.00	A
	GRAPE	557.6853	940	42,970.95	A
	GRAPE, WINE	480.6766	877	53,452.46	A
	GRAPEFRUIT	0.6349	4	67.00	A
	HERB, SPICE	0.9599	93	185.55	A
	KALE	0.4561	10	32.38	A
	KOHLRABI	0.0184	1	2.00	A
	LANDSCAPE MAINTENANCE	166.7721			
		0.0558	3	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	166.8279			
	LEMON	27.2789	45	969.50	A
	LETTUCE, HEAD	946.2460	4,795	60,334.48	A
	LETTUCE, LEAF	578.1814	3,465	30,886.65	A
	LIME	0.0957	1	7.00	A
	MELON	6.0252	16	808.90	A
	MINT	0.0207	3	5.00	A
	MUSTARD	1.3348	43	63.80	A
	N-GRNHS FLOWER	43.0906	544	1,587.62	A
		37.3542	550	21,659,786.00	S
	TOTAL POUNDS ON THIS COMMODITY	80.4448			
	N-GRNHS PLANTS IN CONTAINERS	31.3782	683	1,719.23	A
		3.5148	243	5,930,801.82	S
		0.0157	1	0.20	U
	TOTAL POUNDS ON THIS COMMODITY	34.9087			
	N-GRNHS TRANSPLANTS	1.0594	7	960,000.00	S
		0.5099	25	51.25	A
	TOTAL POUNDS ON THIS COMMODITY	1.5693			
	N-OUTDR FLOWER	35.6848	716	3,539.78	A
		0.3548	24	145,460.00	S
		0.3450	1	200,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	36.3846			
	N-OUTDR PLANTS IN CONTAINERS	36.6098	1,068	1,197.72	A
		5.8035	278	15,457,544.50	S
		1.1326	3	305,600.00	U
	TOTAL POUNDS ON THIS COMMODITY	43.5459			
	N-OUTDR TRANSPLANTS	22.8223	259	28,614,935.00	S
		0.3833	1	180,000.00	U
		0.0941	3	18.50	A
	TOTAL POUNDS ON THIS COMMODITY	23.2997			
	NECTARINE	71.1047	273	4,820.03	A
	OAT	0.3346	1	45.00	A
	OAT (FORAGE - FODDER)	0.1115	1	20.00	A
	OLIVE	3.5843	6	249.00	A
	ONION, DRY	34.5300	114	2,196.88	A
	ONION, GREEN	4.3770	45	247.90	A
	ORANGE	316.0155	308	10,050.17	A
	PARSLEY	0.6603	13	71.80	A
	PEACH	98.0722	290	6,698.98	A
	PEAR	0.5705	11	54.50	A
	PEAS	3.2097	22	221.95	A
	PECAN	0.7249	3	30.00	A
	PEPPER, FRUITING	37.2514	215	3,252.55	A
	PEPPER, SPICE	3.3000	17	371.50	A
	PERSIMMON	0.5468	8	60.50	A
	PISTACHIO	259.5444	272	21,195.20	A
	PLUM	33.6944	153	2,711.63	A
	POMEGRANATE	0.4461	4	26.00	A
	POTATO	13.7493	34	1,576.80	A

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<b>TRIETHANOLAMINE</b>					
	POULTRY	1.0711		32.00	U
	PRUNE	1.8202	9	73.00	A
	PUMPKIN	1.1200	12	103.85	A
	RADISH	0.4739	26	13.50	A
	RAPPINI	5.8633	22	229.20	A
	RASPBERRY	25.2299	140	2,106.19	A
	RESEARCH COMMODITY	0.1778			
	RIGHTS OF WAY	67.4874			
	SAGE	0.0690	8	12.00	A
	SORGHUM/MILO	0.6535	2	78.12	A
	SPINACH	1.2372	24	145.32	A
	SQUASH	6.6352	44	581.70	A
	SQUASH, SUMMER	2.8842	20	222.10	A
	SQUASH, WINTER	0.0424	1	6.00	A
	STRAWBERRY	463.0715	1,024	23,364.47	A
	STRUCTURAL PEST CONTROL	94.1076			
	SUDANGRASS	0.9423	3	52.00	A
	SUGARBEET	10.1286	35	2,149.00	A
	SUNFLOWER	0.8445	4	100.70	A
	TANGELO	10.6007	22	185.75	A
	TANGERINE	4.3076	14	490.00	A
	TARRAGON	0.0483	7	7.00	A
	TOMATILLO	0.4093	2	30.00	A
	TOMATO	33.6934	78	4,344.40	A
	TOMATO, PROCESSING	85.0008	117	7,580.20	A
	TURNIP	0.3868	25	18.50	A
	UNCULTIVATED AG	4.8463	26	384.60	A
	UNCULTIVATED NON-AG	0.3021	2	9.00	A
	UNKNOWN	0.0138	2	3.00	A
	VEGETABLES, LEAFY	0.2703	2	13.50	A
	VERTEBRATE CONTROL	1.4497			
		0.3247	2	25.50	A
	TOTAL POUNDS ON THIS COMMODITY	1.7744			
	WALNUT	188.9171	208	6,621.00	A
	WATERMELON	28.7763	72	2,791.70	A
	WHEAT	25.6349	14	1,026.94	A
	WHEAT (FORAGE - FODDER)	1.2144	5	207.40	A
	Chemical Total	7,368.7024	25,903		
<b>TRIETHANOLAMINE SULFONATE</b>					
	STRUCTURAL PEST CONTROL	240.5115			
	Chemical Total	240.5115			
<b>TRIETHYLENE GLYCOL</b>					
	LANDSCAPE MAINTENANCE	0.0002			
	N-GRNHS PLANTS IN CONTAINERS	0.0260	1	80,000.00	S
	STRUCTURAL PEST CONTROL	0.2943			
	Chemical Total	0.3205	1		
<b>TRIFLOXYSTROBIN</b>					
	ALMOND	4.3750	2	60.00	A
	APPLE	420.5455	249	5,488.14	A
	CANTALOUPE	309.3438	42	5,107.00	A
	CELERY	38.2877	44	529.85	A
	CHERRY	1.2500	1	20.00	A
	COMMODITY FUMIGATION	1.1250			
	CUCUMBER	11.5625	14	175.00	A
	EGGPLANT	3.4375	3	55.00	A
	FENNEL	3.1200	2	33.30	A
	GRAPE	4,667.5262	1,792	77,026.70	A
	GRAPE, WINE	8,670.3467	4,928	140,201.48	A
		1.2500	1	20.00	U
	TOTAL POUNDS ON THIS COMMODITY	8,671.5967			
	LANDSCAPE MAINTENANCE	365.0073			
	MELON	40.6594	15	700.75	A

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<b>TRIFLOXYSTROBIN</b>					
	N-GRNHS FLOWER	68.0149	387	755.64	A
		24.9068	82	4,459,620.00	S
	TOTAL POUNDS ON THIS COMMODITY	92.9217			
	N-GRNHS PLANTS IN CONTAINERS	53.5206	86	165.15	A
		8.4961	103	1,896,214.00	S
		0.0825	4	4,920.00	U
	TOTAL POUNDS ON THIS COMMODITY	62.0992			
	N-GRNHS TRANSPLANTS	1.3691	20	28.61	A
		0.5278	45	512,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.8969			
	N-OUTDR FLOWER	47.7940	176	619.30	A
		2.3282	13	842,265.00	S
	TOTAL POUNDS ON THIS COMMODITY	50.1222			
	N-OUTDR PLANTS IN CONTAINERS	190.9233	183	1,683.48	A
		8.5751	48	2,220,403.00	S
		0.1485	6	9,950.00	U
	TOTAL POUNDS ON THIS COMMODITY	199.6469			
	N-OUTDR TRANSPLANTS	3.9384	17	40.00	A
		3.8367	21	973,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	7.7751			
	NECTARINE	19.8064	18	304.39	A
	PEACH	9.1172	9	129.20	A
	PEAR	560.2329	255	8,197.69	A
	PEPPER, FRUITING	473.3759	189	5,207.67	A
	PEPPER, SPICE	124.3345	70	1,447.60	A
	PIMENTO	6.6388	4	101.20	A
	PISTACHIO	137.9488	20	1,646.57	A
	PLUM	27.5154	20	403.79	A
	PRUNE	4.7563	2	44.30	A
	PUMPKIN	16.8564	7	243.34	A
	RANGELAND	1.9375	1	31.00	A
	RESEARCH COMMODITY	0.2024			
	SQUASH	9.5610	10	155.29	A
	SQUASH, SUMMER	2.1300	4	30.00	A
	SQUASH, WINTER	0.6250	2	10.00	A
	SQUASH, ZUCCHINI	8.3125	2	133.00	A
	TOMATILLO	2.1250	2	17.00	A
	TOMATO	10.2626	8	101.90	A
	UNKNOWN	0.6250	1	7.00	A
	VERTEBRATE CONTROL	6.8057	3	115.89	A
	WATERMELON	253.8751	105	4,165.25	A
	Chemical Total	16,629.3430	9,016		
<b>TRIFLUMIZOLE</b>					
	APPLE	93.5400	23	412.25	A
	CANTALOUPE	383.9810	40	2,367.30	A
	GRAPE	2,236.2211	341	14,469.60	A
	GRAPE, WINE	9,008.8864	1,571	56,855.39	A
	MELON	376.5400	54	1,996.30	A
	N-GRNHS FLOWER	50.4899	91	252.74	A
		0.5038	2	52,449.00	S
	TOTAL POUNDS ON THIS COMMODITY	50.9937			
	N-GRNHS PLANTS IN CONTAINERS	25.9020	50	2,602,064.00	S
		7.9563	17	26.00	A
	TOTAL POUNDS ON THIS COMMODITY	33.8583			
	N-GRNHS TRANSPLANTS	0.5675	3	2.17	A
	N-OUTDR FLOWER	1.5782	7	7.50	A
	N-OUTDR PLANTS IN CONTAINERS	50.6444	67	102.32	A
		1.2344	6	111,700.00	S
	TOTAL POUNDS ON THIS COMMODITY	51.8788			
	N-OUTDR TRANSPLANTS	2.9844	5	2.08	A
	PEAR	234.2063	21	774.60	A
	PUMPKIN	38.7500	2	155.00	A
	RESEARCH COMMODITY	3.2273			
	SQUASH	17.9500	3	133.00	A
	SQUASH, SUMMER	0.3750	1	2.00	A
	SQUASH, WINTER	10.2500	1	41.00	A

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<b>TRIFLUMIZOLE</b>					
	STRAWBERRY	6,778.9290	713	28,560.71	A
	WATERMELON	341.9000	25	1,511.30	A
	Chemical Total	19,666.6170	3,043		
<b>TRIFLURALIN</b>					
	ALFALFA	554,321.5225	4,553	282,948.47	A
	ALMOND	22,804.6117	277	26,217.13	A
	APRICOT	127.5320	5	208.25	A
	ASPARAGUS	6,276.9712	95	4,565.80	A
	BARLEY	32.4245	3	75.00	A
	BEAN, DRIED	4,311.6845	118	6,867.47	A
	BEAN, SUCCULENT	3,637.1676	133	6,823.30	A
	BEAN, UNSPECIFIED	1,084.5311	56	1,759.17	A
	BERMUDAGRASS	12,215.2000	94	7,032.50	A
	BOK CHOY	25.2482	44	48.00	A
	BROCCOLI	2,897.7351	559	9,012.83	A
	BRUSSELS SPROUT	18.5542	2	21.00	A
	CABBAGE	91.8397	17	178.10	A
	CANTALOUPE	3,622.6190	106	6,882.80	A
	CARROT	29,485.9771	604	39,933.88	A
	CAULIFLOWER	290.6855	45	422.20	A
	CELERY	385.8847	18	440.00	A
	CHICORY	216.5562	16	564.22	A
	CHINESE CABBAGE (NAPPA)	118.8086	14	202.00	A
	CITRUS	1.3904	2	11.20	A
	CLOVER	1,319.0000	8	659.50	A
	COLLARD	2.0857	1	3.00	A
	COMMODITY FUMIGATION	0.7622	1	2,000.00	S
	CORN (FORAGE - FODDER)	1,048.1722	18	1,052.10	A
	CORN, HUMAN CONSUMPTION	56.4149	2	75.00	A
	COTTON	193,534.7549	2,513	231,239.62	A
	CUCUMBER	161.0609	11	268.30	A
	ENDIVE (ESCAROLE)	15.5454	6	31.00	A
	GRAPE	5,913.2531	217	10,831.00	A
	GRAPE, WINE	8,703.4875	152	16,633.40	A
	GRAPEFRUIT	28.3998	4	76.90	A
	KALE	20.0224	1	43.00	A
	LANDSCAPE MAINTENANCE	3,302.0509			
		0.5800	2	1.50	A
	TOTAL POUNDS ON THIS COMMODITY	3,302.6309			
	LEMON	44.3783	3	50.50	A
	LETTUCE, HEAD	0.1880	1	14.80	A
	LETTUCE, LEAF	0.1880	1	20.50	A
	MELON	1,900.6624	57	2,849.20	A
	MUSTARD	28.0597	4	38.50	A
	N-GRNHS PLANTS IN CONTAINERS	142.9227	103	51.39	A
		44.2600	55	935,751.00	S
	TOTAL POUNDS ON THIS COMMODITY	187.1827			
	N-GRNHS TRANSPLANTS	17.0489	3	9.25	A
	N-OUTDR FLOWER	44.6000	17	56.00	A
	N-OUTDR PLANTS IN CONTAINERS	1,999.3136	618	1,543.55	A
		123.3020	54	2,832,788.00	S
		3.5622	9	167,940.00	U
	TOTAL POUNDS ON THIS COMMODITY	2,126.1778			
	N-OUTDR TRANSPLANTS	40.2204	9	30.83	A
		0.1500	3	352,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	40.3704			
	NECTARINE	38.3037	5	26.54	A
	OAT (FORAGE - FODDER)	40.0000	1	20.00	A
	OKRA	49.2580	4	43.00	A
	ONION, DRY	185.7332	5	224.00	A
	ORANGE	2,534.0989	108	3,968.30	A
	PASTURELAND	7.5000	1	5.00	A
	PEACH	217.7768	20	200.01	A
	PEAS	526.2771	102	1,122.55	A
	PEPPER, FRUITING	1,568.3717	146	2,681.65	A
	PEPPER, SPICE	123.1578	8	216.50	A

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<b>TRIFLURALIN</b>					
	PISTACHIO	95.1064	8	18.51	A
	PLUM	145.5060	13	102.95	A
	POTATO	133.2972	5	200.00	A
	PRUNE	9.9491	2	54.00	A
	RADISH	1.0029	1	2.00	A
	RAPPINI	255.7479	48	814.50	A
	REGULATORY PEST CONTROL	322.6000		161.30	U
		135.9762			
	TOTAL POUNDS ON THIS COMMODITY	458.5762			
	RESEARCH COMMODITY	66.2810			
		22.4540	1	139.00	A
	TOTAL POUNDS ON THIS COMMODITY	88.7350			
	RIGHTS OF WAY	4,319.1196			
		7.8956	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	4,327.0152			
	SAFFLOWER	11,866.7782	187	13,298.77	A
	SOIL FUMIGATION/PREPLANT	993.3127	16	1,103.77	A
	SQUASH	201.6119	16	283.40	A
	STRUCTURAL PEST CONTROL	106.8729			
	SUGARBEET	8,996.5568	135	11,315.40	A
	SUGARBEET (FORAGE - FODDER)	60.1759	2	118.00	A
	SUGARCANE	20.0586	3	10.00	A
	SUNFLOWER	3,755.7676	91	5,986.30	A
	TANGELO	60.2562	5	120.09	A
	TANGERINE	101.9659	4	140.00	A
	TOMATO	9,426.7727	334	16,350.57	A
	TOMATO, PROCESSING	108,628.1974	2,447	196,806.53	A
	TURNIP	0.7522	1	1.00	A
	UNCULTIVATED AG	1,206.4540	25	957.00	A
	UNCULTIVATED NON-AG	3.9293		0.33	A
	VERTEBRATE CONTROL	9.0264	1	12.00	A
		0.0259			
	TOTAL POUNDS ON THIS COMMODITY	9.0523			
	WALNUT	1,010.3611	30	1,133.44	A
	WATERMELON	840.0103	32	1,188.60	A
	WHEAT	4,541.4878	16	1,936.17	A
	WHEAT (FORAGE - FODDER)	30.0880	1	40.00	A
	Chemical Total	1,023,127.2648	14,459		
<b>TRIFLUSULFURON-METHYL</b>					
	SUGARBEET	492.7225	656	48,580.30	A
	Chemical Total	492.7225	656		
<b>TRIFORINE</b>					
	LANDSCAPE MAINTENANCE	281.8545			
	N-GRNHS FLOWER	10.0043	12	34.50	A
		0.0163	2	8,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	10.0206			
	N-GRNHS PLANTS IN CONTAINERS	0.0326	1	2,940.00	S
	N-GRNHS TRANSPLANTS	0.0409	2	0.20	A
		0.0286	2	18.00	U
		0.0102	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0797			
	N-OUTDR FLOWER	0.3201	4	12,500.00	S
		0.0123	1	0.50	A
	TOTAL POUNDS ON THIS COMMODITY	0.3324			
	N-OUTDR PLANTS IN CONTAINERS	0.4808	22	19.39	A
		0.4217	29	25,189.00	S
		0.2922	3	6,400.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.1947			
	N-OUTDR TRANSPLANTS	0.0031	3	1.50	A
	PEACH	0.1783	1	3.50	A
	REGULATORY PEST CONTROL	0.0409			
	RESEARCH COMMODITY	0.1716			

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<b>TRIFORINE</b>					
	RIGHTS OF WAY	0.5058			
	STRUCTURAL PEST CONTROL	0.0705			
	Chemical Total	294.4847	83		
<b>3-(TRIMETHOXYSILYL) PROPYL DIMETHYL OCTADECYL AMMONIUM CHLORIDE</b>					
	REGULATORY PEST CONTROL	0.0722			
	Chemical Total	0.0722			
<b>ALPHA-2,4,6-TRIMETHYL-4-NONYLOXY-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	PEACH	0.8418	2	3.10	A
	Chemical Total	0.8418	2		
<b>ALPHA-2,6,8-TRIMETHYL-4-NONYLOXY-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	15.2386	13	732.00	A
	ALMOND	665.4814	82	7,201.00	A
	APPLE	5.3627	12	243.50	A
	APRICOT	47.4024	9	572.00	A
	AVOCADO	117.0248	26	378.40	A
	BASIL, SWEET	1.6803	3	47.63	A
	BEAN, SUCCULENT	9.6564	14	377.00	A
	BERMUDAGRASS	7.2646	4	159.00	A
	BROCCOLI	25.9232	38	1,569.00	A
	CANTALOUPE	4.9014	3	186.40	A
	CARROT	2.5719	15	251.00	A
	CAULIFLOWER	20.3548	12	312.30	A
	CORN (FORAGE - FODDER)	12.2071	9	735.00	A
	CORN, HUMAN CONSUMPTION	228.5734	164	13,767.40	A
	COTTON	5.3300	3	219.10	A
	EGGPLANT	2.8477	2	52.00	A
	FORAGE HAY/SILAGE	2.5293	5	91.50	A
	GRAPE	7.0672	17	594.00	A
	GRAPE, WINE	1,402.6904	2,159	50,527.37	A
	LANDSCAPE MAINTENANCE	0.1520			
	LEMON	68.1141	6	215.40	A
	LETTUCE, HEAD	21.1595	81	1,082.50	A
	LETTUCE, LEAF	91.4733	165	2,890.25	A
	N-GRNHS FLOWER	10.5873	33	124.00	A
	N-GRNHS PLANTS IN CONTAINERS	5.9709	3	68.30	A
		0.1659	6	19,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	6.1368			
	N-OUTDR FLOWER	354.7578	1,327	5,388.08	A
	N-OUTDR PLANTS IN CONTAINERS	133.7831	478	782.94	A
	N-OUTDR TRANSPLANTS	12.1038	16	175.46	A
	NECTARINE	0.3221	1	20.00	A
	OLIVE	0.7077	1	17.30	A
	ONION, DRY	103.5305	110	3,522.23	A
	ORANGE	221.7002	94	3,085.00	A
	PARSLEY	0.3093	1	9.09	A
	PEAR	4.8651	5	175.00	A
	PEAS	9.4815	6	178.00	A
	PEPPER, FRUITING	162.4242	180	3,830.08	A
	PRUNE	46.2336	88	2,103.90	A
	PUMPKIN	0.5750	3	70.00	A
	RANGELAND	37.0185	1	80.00	A
	RICE	1,307.1187	248	13,301.19	A
	SOYBEAN	1.3268	2	243.00	A
	SPINACH	19.0809	47	569.60	A
	SQUASH	1.7581	3	35.00	A
	STRAWBERRY	364.1113	226	5,812.90	A
	TANGELO	1.7116	2	40.00	A
	TANGERINE	8.0717	2	365.00	A
	TOMATO	1.7426	2	105.00	A
	TOMATO, PROCESSING	14.2462	4	754.00	A
	UNCULTIVATED AG	0.4976	1	6.00	A
	UNKNOWN	0.4146	1	7.00	A

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<b>ALPHA-2,6,8-TRIMETHYL-4-NONYLOXY-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	WALNUT	207.4725	145	6,137.33	A
	WATERMELON	6.7315	8	211.40	A
	Chemical Total	5,803.8271	5,886		
<b>TRINEXAPAC-ETHYL</b>					
	LANDSCAPE MAINTENANCE	2,788.7848			
	PUBLIC HEALTH	2.0757			
	STRUCTURAL PEST CONTROL	5.0918			
	TURF/SOD	280.8025	11	345.60	A
	Chemical Total	3,076.7548	11		
<b>TRISODIUM PHOSPHATE</b>					
	ALFALFA	132.7812	311	17,600.68	A
	ALMOND	426.4140	397	16,256.41	A
	APPLE	475.7252	321	10,161.96	A
	APRICOT	4.1051	9	253.50	A
	ASPARAGUS	4.1176	46	1,013.63	A
	BEAN, DRIED	62.5781	188	11,974.00	A
	BEAN, SUCCULENT	47.9849	101	5,925.65	A
	CABBAGE	0.1968	2	13.00	A
	CANTALOUPE	7.2677	20	1,505.00	A
	CAULIFLOWER	2.1061	2	220.00	A
	CHERRY	321.4712	247	4,623.16	A
	CITRUS	0.4469	3	58.00	A
	CORN (FORAGE - FODDER)	60.0700	155	6,852.70	A
	CORN, HUMAN CONSUMPTION	27.8845	121	776.72	A
	COTTON	288.4346	377	27,834.70	A
	CUCUMBER	1.1960	6	180.60	A
	GRAPE	291.0828	128	6,671.74	A
	GRAPE, WINE	148.0318	81	6,270.01	A
	LEMON	1.7319	3	19.00	A
	LETTUCE, HEAD	5.2929	7	566.00	A
	MELON	14.5502	38	3,953.90	A
	N-OUTDR PLANTS IN CONTAINERS	30.2644	83	1,303.13	A
		0.7401	1	364,500.00	U
	TOTAL POUNDS ON THIS COMMODITY	31.0045			
	N-OUTDR TRANSPLANTS	1.4359	10	199.00	A
	NECTARINE	9.4929	35	376.50	A
	OAT (FORAGE - FODDER)	0.3352	2	65.00	A
	ONION, DRY	11.1960	31	1,340.89	A
	ORANGE	115.2586	93	1,438.70	A
	PEACH	120.6719	218	4,538.52	A
	PEAR	88.0447	111	3,626.20	A
	PEPPER, FRUITING	0.5845	3	85.00	A
	PISTACHIO	0.8198	2	27.00	A
	PLUM	34.6971	46	548.39	A
	POMEGRANATE	3.2063	5	128.95	A
	POTATO	6.2651	82	2,036.20	A
	PRUNE	15.1207	6	498.00	A
	PUMPKIN	0.3398	2	40.00	A
	RANGELAND	2.4290	1	40.00	A
	REGULATORY PEST CONTROL	4.1416			
	RICE	566.3907	1,078	81,132.21	A
	RIGHTS OF WAY	0.0607			
	SAFFLOWER	0.1706	1	75.00	A
	SOIL FUMIGATION/PREPLANT	1.5339	13	320.80	A
	SORGHUM/MILO	0.9886	17	414.80	A
	SQUASH	0.2809	1	37.00	A
	SUDANGRASS	1.1817	8	245.00	A
	SUGARBEET	13.0682	34	2,680.80	A
	SUNFLOWER	5.6861	21	1,255.00	A
	TANGELO	1.7003	1	20.00	A
	TANGERINE	0.6073	1	5.00	A
	TOMATO	4.8233	26	1,146.00	A
	TOMATO, PROCESSING	183.1687	356	24,870.28	A
	UNCULTIVATED AG	28.8335	72	4,233.10	A



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<b>TRISODIUM PHOSPHATE</b>					
	WALNUT	327.7174	338	7,787.04	A
	WATERMELON	1.8570	6	201.50	A
	WHEAT	8.2611	54	2,140.80	A
	Chemical Total	3,914.8431	5,321		
<b>ALPHA-UNDECYL-OMEGA-HYDROXYPOLY(OXYETHYLENE)</b>					
	ALFALFA	1,166.3268	133	7,379.30	A
	ALMOND	516.7540	87	4,808.28	A
	AVOCADO	4.4129	12	23.08	A
	BEAN, DRIED	238.4779	21	1,539.00	A
	BEAN, SUCCULENT	60.9425	7	526.00	A
	BOK CHOY	0.2037	7	6.35	A
	BROCCOLI	101.5018	167	2,128.50	A
	CABBAGE	25.8660	75	402.22	A
	CANTALOUPE	64.0599	6	705.00	A
	CARROT	71.8989	13	733.44	A
	CAULIFLOWER	57.0243	117	1,098.95	A
	CELERY	136.5129	333	2,302.60	A
	CHICORY	0.4758	1	8.00	A
	CHINESE CABBAGE (NAPPA)	0.6635	13	17.00	A
	CORN (FORAGE - FODDER)	341.1847	34	2,969.40	A
	CORN, HUMAN CONSUMPTION	158.3308	177	7,489.00	A
	COTTON	110.4440	10	719.20	A
	ENDIVE (ESCAROLE)	0.4758	7	15.98	A
	FOREST, TIMBERLAND	435.7771	48	1,160.20	A
	GRAPE, WINE	5.6929	5	117.50	A
	KALE	2.9926	7	37.20	A
	LANDSCAPE MAINTENANCE	471.1648			
	LEMON	2.0303	3	42.75	A
	LETTUCE, HEAD	83.0904	118	4,010.50	A
	LETTUCE, LEAF	44.2358	102	1,133.00	A
	MINT	108.1883	20	869.00	A
	N-OUTDR PLANTS IN CONTAINERS	5.9809	2	20.12	A
	N-OUTDR TRANSPLANTS	19.3423	15	102.50	A
	ONION, DRY	38.3320	15	1,097.00	A
	PASTURELAND	0.2790	1	12.00	A
	PEACH	3.8934	1	32.00	A
	PEAS	10.8679	26	195.40	A
	PEPPER, FRUITING	11.4928	5	41.20	A
	PEPPER, SPICE	51.3270	8	184.00	A
	POTATO	87.7579	32	1,868.00	A
	PRUNE	9.3263	8	127.60	A
	PUMPKIN	2.6500	3	29.00	A
	REGULATORY PEST CONTROL	16.8308			
	RIGHTS OF WAY	1,316.6275			
	STRUCTURAL PEST CONTROL	0.0961			
	SUNFLOWER	33.3402	2	239.00	A
	TOMATO	0.9555	2	4.00	A
	TOMATO, PROCESSING	83.9607	35	2,904.00	A
	UNCULTIVATED AG	20.7444	10	104.15	A
	UNCULTIVATED NON-AG	0.5579	1	2.00	A
	WALNUT	22.9243	28	343.99	A
	WATER AREA	5.7696		18.25	A
	Chemical Total	5,951.7849	1,717		
<b>UNICONIZOLE-P</b>					
	N-GRNHS FLOWER	0.0326	38	15.68	A
		0.0086	6	105,600.00	S
	TOTAL POUNDS ON THIS COMMODITY	0.0412			
	N-GRNHS PLANTS IN CONTAINERS	0.6316	244	2,777,962.00	S
		0.3786	325	151.26	A
		0.0045	2	35,000.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.0147			
	N-GRNHS TRANSPLANTS	0.2567	124	396,700.00	S
		0.0040	5	1.80	A
	TOTAL POUNDS ON THIS COMMODITY	0.2607			

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<b>UNICONIZOLE-P</b>					
	N-OUTDR FLOWER	0.0082	9	39,862.00	S
	N-OUTDR PLANTS IN CONTAINERS	0.9819	138	77.42	A
		0.3131	157	2,883,447.00	S
		0.0000	1	250.00	U
	TOTAL POUNDS ON THIS COMMODITY	1.2950			
	N-OUTDR TRANSPLANTS	0.0099	3	41,600.00	S
		0.0010	1	1.00	A
	TOTAL POUNDS ON THIS COMMODITY	0.0109			
	RESEARCH COMMODITY	0.0011	6	0.48	A
	Chemical Total	2.6318	1,059		
<b>UREA</b>					
	ALFALFA	291.3579	84	4,383.63	A
	ALMOND	2,068.2744	261	15,712.26	A
	APPLE	1.2867	2	5.00	A
	APRICOT	2.6676	2	51.00	A
	ASPARAGUS	0.2206	8	162.30	A
	BARLEY	2.8074	2	43.20	A
	BEAN, DRIED	87.4880	11	365.30	A
	BEAN, SUCCULENT	76.4549	12	646.00	A
	BEAN, UNSPECIFIED	38.5636	5	150.00	A
	BOK CHOY	31.4511	15	74.00	A
	CABBAGE	89.2635	21	198.20	A
	CANTALOUPE	2.0567	1	40.00	A
	CHERRY	6.7360	2	19.00	A
	CHINESE CABBAGE (NAPPA)	0.5182	1	12.90	A
	CITRUS	2.5734	2	5.00	A
	COLLARD	0.1440	1	8.80	A
	CORN (FORAGE - FODDER)	165.4449	71	2,359.70	A
	CORN, HUMAN CONSUMPTION	2,413.5170	220	5,822.90	A
	COTTON	578.4702	94	9,066.90	A
	FORAGE HAY/SILAGE	0.5785	1	45.00	A
	GARLIC	0.7978	1	31.00	A
	GRAPE	41.2537	12	131.50	A
	GRAPE, WINE	115.7238	42	502.55	A
	GRAPEFRUIT	1.3510	2	16.50	A
	KALE	22.4209	8	72.50	A
	KIWI	3.0881	4	63.00	A
	LEMON	0.1647	1	14.00	A
	LETTUCE, LEAF	297.3413	44	718.50	A
	NECTARINE	0.2573	1	1.00	A
	OAT (FORAGE - FODDER)	0.9731	1	20.00	A
	OLIVE	23.3546	7	137.00	A
	ONION, GREEN	239.1637	36	537.30	A
	ORANGE	433.2649	99	1,387.00	A
	PARSLEY	13.7894	2	30.00	A
	PEACH	2.7854	3	15.00	A
	PEAR	14.6683	4	66.00	A
	PEPPER, FRUITING	6.7233	3	42.00	A
	PISTACHIO	97.0518	5	278.00	A
	PLUM	8.0438	5	17.00	A
	POMEGRANATE	1.6470	3	16.00	A
	PRUNE	212.0280	54	2,763.25	A
	PUMPKIN	0.8664	2	6.74	A
	RADISH	6.8947	3	24.00	A
	RIGHTS OF WAY	13.1502			
	SORGHUM/MILO	0.9177	3	97.00	A
	SPINACH	177.9019	31	387.00	A
	SQUASH	12.7640	3	29.75	A
	SUDANGRASS	1.9462	2	84.00	A
	TANGELO	1.4205	2	4.00	A
	TANGERINE	1.9300	3	37.00	A
	TOMATO	24.8225	13	599.90	A
	TOMATO, PROCESSING	119.3350	58	7,151.25	A

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<b>UREA</b>					
	UNCULTIVATED AG	34.1335	5	218.00	A
	UNCULTIVATED NON-AG	94.6252	7	588.10	A
	WALNUT	582.6701	172	7,348.86	A
	WHEAT	36.2190	11	952.10	A
	Chemical Total	8,505.3634	1,468		
<b>UREA DIHYDROGEN SULFATE</b>					
	ALFALFA	187.5518	19	1,611.63	A
	ALMOND	97.0755	27	802.50	A
	APPLE	32.2020	2	82.00	A
	APRICOT	14.2825	3	37.40	A
	ASPARAGUS	528.6673	23	1,954.99	A
	BEAN, UNSPECIFIED	4.7496	2	20.00	A
	BLUEBERRY	4.1796	5	88.00	A
	CHERRY	21.3457	22	274.34	A
	CLOVER	19.4003	11	387.00	A
	CORN (FORAGE - FODDER)	26.7326	11	430.00	A
	CORN, HUMAN CONSUMPTION	89.2337	54	1,609.40	A
	COTTON	920,891.4493	4,214	343,361.79	A
	GRAPE	82.9800	44	1,693.50	A
	GRAPE, WINE	10.5241	6	147.50	A
	LANDSCAPE MAINTENANCE	0.0470			
	LETTUCE, HEAD	5.1106	4	43.00	A
	LETTUCE, LEAF	0.9625	1	3.85	A
	NECTARINE	1.6921	3	18.00	A
	ONION, DRY	15.6656	5	370.00	A
	ORANGE	6.5169	1	65.00	A
	PEAR	85.6031	14	816.00	A
	PLUM	16.1487	5	173.00	A
	RIGHTS OF WAY	495.9368			
		41.7965	1	110.00	A
	TOTAL POUNDS ON THIS COMMODITY	537.7333			
	SAFFLOWER	1.6149	1	34.00	A
	SOIL FUMIGATION/PREPLANT	183.2768	81	4,215.92	A
	SORGHUM/MILO	6.9677	4	146.70	A
	TANGELO	1.6624	1	35.00	A
	TOMATO	0.1003	1	1.00	A
	TOMATO, PROCESSING	14.5734	7	259.10	A
	UNCULTIVATED AG	149.8726	54	1,594.95	A
	UNCULTIVATED NON-AG	69.7292	26	476.50	A
	WALNUT	59.7338	34	980.90	A
	WATER AREA	0.0940		0.50	A
	WHEAT	25.5663	2	255.00	A
	Chemical Total	923,193.0452	4,688		
<b>UREA INCLUSION ADDUCT OF POLYOXY(ETHYLENE)/POLYOXY(PROPYLENE) BLOCK COPOLYMER</b>					
	CORN, HUMAN CONSUMPTION	1.8800	1	19.00	A
	Chemical Total	1.8800	1		
<b>VEGETABLE OIL</b>					
	ALFALFA	19,805.2605	347	22,421.90	A
	ALMOND	10,044.7302	33	2,094.00	A
	APRICOT	494.7995	1	38.00	A
	BERMUDAGRASS	292.9734	4	350.00	A
	CANTALOUPE	841.0614	8	728.00	A
	CARROT	4,209.1465	36	2,897.65	A
	CLOVER	358.0719	5	201.40	A
	CORN (FORAGE - FODDER)	102.5407	3	183.40	A
	COTTON	198,137.8832	1,354	170,849.22	A
	GRAPE	7.1640	2	60.00	A
	LETTUCE, HEAD	5.2084	1	18.00	A
	LETTUCE, LEAF	14.6486	1	18.00	A
	MELON	48.8289	1	36.00	A
	NECTARINE	2.7735	1	15.60	A
	PEAS	35.5583	1	20.00	A

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<b>VEGETABLE OIL</b>					
	POTATO	1,014.1218	4	150.00	A
	RICE	5,238.8921	35	3,304.60	A
	RIGHTS OF WAY	131.5656			
	SPINACH	32.2271	1	132.00	A
	SQUASH	35.5583	1	20.00	A
	STRAWBERRY	63.1485	2	190.00	A
	SUGARBEET	625.9866	11	887.00	A
	TOMATO	205.8255	5	145.40	A
	TOMATO, PROCESSING	6,536.6725	74	9,000.50	A
	UNCULTIVATED AG	20.7207	2	25.50	A
	WALNUT	26.0420	1	40.00	A
	WATERMELON	250.1777	3	253.00	A
	WHEAT (FORAGE - FODDER)	97.6578	2	103.40	A
	Chemical Total	248,679.2452	1,939		
<b>VERNOLATE</b>					
	SOIL FUMIGATION/PREPLANT	40.6622	1	42.00	A
	Chemical Total	40.6622	1		
<b>VINCLOZOLIN</b>					
	LANDSCAPE MAINTENANCE	322.8891			
	LETTUCE, HEAD	11,516.2100	885	14,468.34	A
	LETTUCE, LEAF	2,802.0500	245	3,291.98	A
	N-GRNHS FLOWER	15.2898	27	43.32	A
		9.0000	2	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	24.2898			
	N-GRNHS PLANTS IN CONTAINERS	55.8198	29	47.78	A
		1.1429	6	132,904.00	S
	TOTAL POUNDS ON THIS COMMODITY	56.9627			
	N-GRNHS TRANSPLANTS	13.5625	15	76.46	A
		5.4856	18	287,902.00	S
	TOTAL POUNDS ON THIS COMMODITY	19.0481			
	N-OUTDR FLOWER	24.0000	8	8.00	U
		12.0550	30	51.23	A
		0.2500	1	5,200.00	S
	TOTAL POUNDS ON THIS COMMODITY	36.3050			
	N-OUTDR PLANTS IN CONTAINERS	23.8703	29	73.85	A
	N-OUTDR TRANSPLANTS	22.5002	34	1,149,103.25	S
		1.5625	2	5.50	A
	TOTAL POUNDS ON THIS COMMODITY	24.0627			
	ONION, DRY	10.0000	1	10.00	A
	PEACH	15.2900	6	93.50	A
	RESEARCH COMMODITY	1.5000			
	STRAWBERRY	9.2500	2	9.00	A
	STRUCTURAL PEST CONTROL	1.3750			
	Chemical Total	14,863.1027	1,340		
<b>VINYL POLYMER</b>					
	ALFALFA	27.3250	80	4,456.90	A
	ALMOND	14.3347	15	922.00	A
	ARTICHOKE, GLOBE	1.3601	2	78.30	A
	BARLEY	15.4508	35	2,657.20	A
	BEAN, DRIED	5.5344	13	878.50	A
	BERMUDAGRASS	3.5365	15	947.00	A
	BROCCOLI	0.1264	2	22.10	A
	CANTALOUPE	0.4163	1	95.00	A
	CARROT	0.4248	2	82.00	A
	CAULIFLOWER	0.2120	7	55.00	A
	CELERY	0.1063	2	16.80	A
	CHERRY	1.0011	14	183.80	A
	CLOVER	0.2624	1	30.00	A
	CORN (FORAGE - FODDER)	19.9850	59	4,039.82	A
	CORN, HUMAN CONSUMPTION	7.3214	68	1,801.37	A
	COTTON	411.3358	394	43,951.50	A
	CUCUMBER	0.7784	7	356.00	A

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<b>VINYL POLYMER</b>					
	DITCH BANK	0.3499	2	112.00	A
	FIG	18.0178	2	320.00	A
	FORAGE HAY/SILAGE	5.1887	18	1,593.00	A
	GARLIC	11.8078	3	452.00	A
	GRAPE	8.2004	43	1,520.33	A
	GRAPE, WINE	18.7917	34	2,318.34	A
	KALE	0.0000	1	1.50	A
	KIWI	0.0171	1	13.00	A
	LANDSCAPE MAINTENANCE	1.2807			
	LETTUCE, HEAD	0.2392	2	50.90	A
	LETTUCE, LEAF	0.5076	4	101.30	A
	MELON	2.4556	8	760.00	A
	NECTARINE	4.6137	198	2,346.90	A
	OAT	7.9947	19	1,093.00	A
	OAT (FORAGE - FODDER)	6.0309	19	665.20	A
	OILSEED	0.1749	1	10.00	A
	ONION, DRY	10.4675	9	496.50	A
	PARSLEY	0.0544	3	6.22	A
	PASTURELAND	4.9702	30	1,230.20	A
	PEACH	4.7198	268	2,698.37	A
	PISTACHIO	13.7368	3	174.00	A
	PLUM	2.7588	105	1,321.75	A
	PRUNE	4.4392	29	2,439.50	A
	PUMPKIN	0.2099	3	28.00	A
	RANGELAND	1.3994	1	160.00	A
	RICE	90.6644	78	5,662.40	A
	RIGHTS OF WAY	97.7824			
	RYE	3.1364	7	403.00	A
	RYEGRASS	18.2509	25	1,459.00	A
	SAFFLOWER	1.2103	8	516.00	A
	SOIL FUMIGATION/PREPLANT	9.4865	14	2,168.00	A
	SORGHUM (FORAGE - FODDER)	1.3120	3	150.00	A
	SPINACH	0.1312	2	15.00	A
	SUDANGRASS	1.2370	3	128.00	A
	SUGARBEET	0.9121	2	165.00	A
	SUNFLOWER	10.1968	11	728.90	A
	TOMATO, PROCESSING	15.9063	53	4,737.60	A
	UNCULTIVATED AG	66.0197	195	13,356.56	A
	WALNUT	8.4860	188	5,746.47	A
	WATERMELON	0.3499	1	29.00	A
	WHEAT	138.0074	360	22,391.10	A
	WHEAT (FORAGE - FODDER)	2.0672	12	471.91	A
	Chemical Total	1,103.0946	2,485		
<b>VINYL RESIN, SYNTHETIC</b>					
	ALMOND	0.4681	1	12.00	A
	COTTON	21.5448	1	92.00	A
	Chemical Total	22.0129	2		
<b>WARFARIN</b>					
	ANIMAL PREMISE	0.0043		2.00	U
	AVOCADO	0.2628	62	223.00	A
	FORAGE HAY/SILAGE	0.1625		57.00	A
	GRAPE, WINE	0.8375	2	984.00	A
	LANDSCAPE MAINTENANCE	0.5164			
	LEMON	0.0125	1	10.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.0040	2	2.00	A
	N-OUTDR PLANTS IN CONTAINERS	0.0123	10	10.75	A
		0.0100	9	9.00	U
	TOTAL POUNDS ON THIS COMMODITY	0.0223			
	ORANGE	0.0023	5	4.50	A
	POULTRY	0.0010		53.00	U
	RESEARCH COMMODITY	0.0013	1	0.50	A
	RIGHTS OF WAY	0.4700			
	STRAWBERRY	0.0638	2	10.00	A

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<b>WARFARIN</b>					
	STRUCTURAL PEST CONTROL	0.2128			
	UNCULTIVATED AG	0.0034	6	202.00	A
	VERTEBRATE CONTROL	0.0277			
	Chemical Total	2.6046	100		
<b>XYLENE</b>					
	ALFALFA	52.9575	2	112.00	A
	ALMOND	1,079.6430	9	775.00	A
	APPLE	0.5090	1	0.50	A
	APRICOT	24.4132	2	17.00	A
	BROCCOLI	27.5840	6	59.20	A
	CABBAGE	1.2305	2	24.00	A
	CELERY	9.0456	1	11.00	A
	COTTON	74.2064	19	1,116.00	A
	GRAPE	4.8969	1	38.50	A
	GRAPE, WINE	1.9048	1	21.00	A
	HERB, SPICE	0.0937	1	18,000.00	S
	LANDSCAPE MAINTENANCE	17.3318			
	LETTUCE, HEAD	63.7245	4	250.00	A
	MELON	29.2083	1	48.70	A
	N-GRNHS FLOWER	0.0635	1	1.00	A
	N-GRNHS PLANTS IN CONTAINERS	0.9064	2	0.90	A
		0.2637	3	7,500.00	S
	TOTAL POUNDS ON THIS COMMODITY	1.1701			
	N-OUTDR FLOWER	0.5168	2	15,000.00	S
		0.3690	8	5.30	A
	TOTAL POUNDS ON THIS COMMODITY	0.8858			
	N-OUTDR PLANTS IN CONTAINERS	8.0236	8	15.81	A
	N-OUTDR TRANSPLANTS	3.3223	2	4.20	A
	ONION, DRY	103.9084	1	70.00	A
	PEACH	149.1095	8	282.55	A
	PEPPER, FRUITING	2.1094	1	41.00	A
	PLUM	356.1675	9	259.30	A
	PRUNE	44.9820	1	30.00	A
	RESEARCH COMMODITY	0.3687			
	STRAWBERRY	6.4418	2	98.00	A
	STRUCTURAL PEST CONTROL	15.2934			
	TOMATO	21.1331	3	70.00	A
	TOMATO, PROCESSING	9.5500	1	22.90	A
	Chemical Total	2,109.2783	102		
<b>XYLENE RANGE AROMATIC SOLVENT</b>					
	ALMOND	5,936.8314	59	3,857.77	A
	APRICOT	107.8916	10	67.75	A
	BEAN, DRIED	53.2129	3	243.00	A
	BEAN, SUCCULENT	75.8383	12	23.58	A
	BEAN, UNSPECIFIED	435.6148	6	177.05	A
	BEEF	57.8513	8	33.08	A
	BLACKBERRY	0.0804	2	0.20	A
	BOK CHOY	9.7760	18	23.80	A
	BROCCOLI	1,064.4237	148	1,853.42	A
	BRUSSELS SPROUT	3.6905	1	9.00	A
	CABBAGE	2.2635	1	5.50	A
	CANTALOUPE	603.1364	10	1,500.00	A
	CARROT	32.8048	1	20.00	A
	CAULIFLOWER	127.8731	11	110.80	A
	CHERRY	278.9211	3	17.20	A
	CHICORY	6.5610	1	8.00	A
	CHINESE CABBAGE (NAPPA)	69.7740	54	169.80	A
	COLLARD	80.5031	14	116.45	A
	CORN, HUMAN CONSUMPTION	299.7702	19	404.00	A
	ENDIVE (ESCAROLE)	22.8264	5	22.45	A
	GRAPE	154.0033	11	142.50	A
	GRAPE, WINE	508.6134	4	257.00	A
	KALE	1.0498	2	3.50	A
	LANDSCAPE MAINTENANCE	1,101.3542			

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<b>XYLENE RANGE AROMATIC SOLVENT</b>					
	LETTUCE, HEAD	2,287.8177	252	3,462.25	A
	LETTUCE, LEAF	3,382.6179	456	7,461.14	A
	MUSTARD	450.8363	30	413.10	A
	N-GRNHS FLOWER	6.5610	4	104,000.00	S
		1.0635	3	1.70	A
	TOTAL POUNDS ON THIS COMMODITY	7.6245			
	N-GRNHS PLANTS IN CONTAINERS	25.4570	17	587,600.00	S
	N-GRNHS TRANSPLANTS	1.8453	3	9.00	A
	N-OUTDR FLOWER	10.7640	6	3.52	A
	N-OUTDR PLANTS IN CONTAINERS	344.7752	158	548.85	A
		0.8201	1	2,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	345.5953			
	NECTARINE	94.1460	8	53.40	A
	OAT	11.8251	1	72.00	A
	ONION, DRY	662.9008	30	2,281.60	A
	ONION, GREEN	71.9244	10	62.60	A
	PEACH	4,347.5853	78	2,769.85	A
	PEPPER, FRUITING	605.2160	25	241.95	A
	PEPPER, SPICE	32.8048	1	7.00	A
	PLUM	184.3505	9	125.20	A
	PRUNE	3,272.7144	63	2,976.30	A
	PUBLIC HEALTH	20.4000			
	RADISH	86.8670	11	27.60	A
	RASPBERRY	0.2010	2	0.50	A
	RESEARCH COMMODITY	39.2492			
	RIGHTS OF WAY	218.3932			
	SMALL FRUITS/BERRY	0.0804	2	0.20	A
	SPINACH	1,951.8025	74	667.20	A
	STRUCTURAL PEST CONTROL	170.5292			
	SUGARBEET	8.0406	1	20.00	A
	TOMATO	26.2438	1	8.00	A
	TOMATO, PROCESSING	2,006.8889	42	1,422.67	A
	TURNIP	2.0339	2	9.95	A
	UNCULTIVATED NON-AG	0.8201	1	1.50	A
	VERTEBRATE CONTROL	0.1654			
	WALNUT	4,113.0036	171	7,251.65	A
	Chemical Total	35,475.4093	1,865		
<b>2,4-XYLENOL</b>					
	CHERRY	0.3107	2	32.00	A
	GRAPE	0.3383	2	78.34	A
	GRAPE, WINE	0.0518	3	4.50	A
	LANDSCAPE MAINTENANCE	0.0520			
	N-OUTDR PLANTS IN CONTAINERS	0.0173	1	0.50	A
	OLIVE	0.0276	1	20.00	A
	WALNUT	1.1460	9	152.25	A
	Chemical Total	1.9437	18		
<b>YEAST</b>					
	APRICOT	527.3520	22	2,404.00	A
	AVOCADO	6.0225	1	1.50	A
	PEACH	482.8950	20	2,205.00	A
	STRUCTURAL PEST CONTROL	2.1758			
	TOMATO	66.8800	1	19.00	A
	Chemical Total	1,085.3253	44		
<b>ZINC CHLORIDE</b>					
	GRAPE, WINE	5.3652	3	48.00	A
	LANDSCAPE MAINTENANCE	218.9704			
	PECAN	0.9900	1	2.00	A
	Chemical Total	225.3256	4		

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<b>ZINC NAPHTHENATE</b>					
	STRUCTURAL PEST CONTROL	24.0773			
	Chemical Total	24.0773			
<b>ZINC OXIDE</b>					
	LANDSCAPE MAINTENANCE	294.0300			
	Chemical Total	294.0300			
<b>ZINC PHOSPHIDE</b>					
	ALFALFA	42.4640	19	613.30	A
	ALMOND	30.2000	3	281.00	A
	ANIMAL PREMISE	0.0400		45,000.00	S
	APPLE	4.0000	1	140.00	A
	ARTICHOKE, GLOBE	2.8000	2	14.00	A
	AVOCADO	4.4825	27	200.70	A
	BRUSSELS SPROUT	12.3500	8	61.75	A
	CAULIFLOWER	0.1750	1	35.00	A
	CHERRY	4.9800	8	292.00	A
	COTTON	0.2000	1	20.00	A
	GRAPE	3.5575	13	87.00	A
	GRAPE, WINE	26.4220	29	1,549.36	A
	GRAPEFRUIT	617.6250	302	986.88	A
	LANDSCAPE MAINTENANCE	283.7299			
	LEMON	9.4600	19	41.00	A
	N-OUTDR PLANTS IN CONTAINERS	8.4100	5	75.00	A
	N-OUTDR TRANSPLANTS	4.0000	2	40.00	A
	OAT (FORAGE - FODDER)	6.0000	1	30.00	A
	ORANGE	49.4075	421	3,588.75	A
	PASTURELAND	3.6000	1	180.00	A
	PEAR	46.2500	20	642.50	A
	PRUNE	0.1000	2	10.00	A
	RANGELAND	112.2000	13	3,560.00	A
	REGULATORY PEST CONTROL	0.5000			
	RIGHTS OF WAY	169.8170			
	SOIL FUMIGATION/PREPLANT	0.0400	1	20.00	A
	STRUCTURAL PEST CONTROL	102.5975			
	SUGARBEET	178.7774	21	1,022.70	A
	UNCULTIVATED AG	8.6000	7	102.50	A
	UNCULTIVATED NON-AG	2.7600	5	31.00	A
	VERTEBRATE CONTROL	183.6832			
	WALNUT	5.0900	12	525.00	A
	Chemical Total	1,924.3185	944		
<b>ZINC SULFATE</b>					
	ALFALFA	580.2957	691	52,660.84	A
	ALMOND	3,741.6738	512	41,538.54	A
	APPLE	728.3598	65	4,638.25	A
	APRICOT	6.1913	5	99.17	A
	ARTICHOKE, GLOBE	34.7331	17	235.38	A
	ASPARAGUS	28.3912	16	1,598.00	A
	BEAN, DRIED	33.0392	34	1,798.93	A
	BEAN, SUCCULENT	12.3807	11	483.00	A
	BEAN, UNSPECIFIED	1.1102	2	100.00	A
	BLUEBERRY	123.9004	25	2,014.20	A
	BROCCOLI	14.0818	9	1,190.00	A
	CABBAGE	1.8883	7	128.00	A
	CANTALOUPE	43.4554	30	2,687.00	A
	CHERRY	24.7795	17	412.00	A
	CORN (FORAGE - FODDER)	77.7573	65	3,484.38	A
	CORN, HUMAN CONSUMPTION	128.9960	174	13,501.94	A
	COTTON	1,769.2109	1,117	115,369.83	A
	EGGPLANT	0.1880	1	10.00	A
	FENNEL	0.4253	12	17.32	A
	FORAGE HAY/SILAGE	0.3683	1	7.50	A
	GARLIC	27.6566	6	750.00	A



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<b>ZINC SULFATE</b>					
	GRAPE	365.6106	118	5,583.24	A
	GRAPE, WINE	325.7280	171	4,124.22	A
	LANDSCAPE MAINTENANCE	14.6501			
	LEMON	7.1172	4	73.50	A
	LETTUCE, HEAD	9.8133	18	516.50	A
	LETTUCE, LEAF	10.8460	7	131.30	A
	MELON	4.9769	7	144.00	A
	N-GRNHS FLOWER	3.7335	58	39.16	A
	N-GRNHS PLANTS IN CONTAINERS	0.0501	11	37,200.00	S
		0.0107	4	1.02	A
	TOTAL POUNDS ON THIS COMMODITY	0.0608			
	N-GRNHS TRANSPLANTS	0.0230	2	1.95	A
	N-OUTDR FLOWER	5.2805	35	372.25	A
		0.3944		41.70	P
		0.0113	1	32,670.00	S
	TOTAL POUNDS ON THIS COMMODITY	5.6862			
	N-OUTDR PLANTS IN CONTAINERS	65.5745	61	1,026.18	A
		0.0013	2	16,700.00	U
	TOTAL POUNDS ON THIS COMMODITY	65.5758			
	N-OUTDR TRANSPLANTS	21.1895	14	208.40	A
		0.3606	1	4,000.00	S
	TOTAL POUNDS ON THIS COMMODITY	21.5501			
	NECTARINE	10.7619	9	102.20	A
	ONION, DRY	59.5602	35	1,720.26	A
	ORANGE	182.9919	48	1,193.74	A
	PARSLEY	0.9976	1	80.00	A
	PEACH	39.5667	38	813.72	A
	PEAR	0.7047	1	26.10	A
	PECAN	5.6834	1	30.00	A
	PEPPER, FRUITING	41.9839	11	847.50	A
	PEPPER, SPICE	13.1652	2	92.00	A
	PISTACHIO	1,558.3936	72	10,274.46	A
	PLUM	40.6793	28	1,069.94	A
	POMEGRANATE	45.2213	4	208.00	A
	POTATO	79.0044	154	3,640.00	A
	RESEARCH COMMODITY	0.9158			
	RICE	3.1268	8	559.00	A
	SAFFLOWER	2.2165	1	702.00	A
	SOIL FUMIGATION/PREPLANT	2.3731	1	15.00	A
	SORGHUM/MILO	1.0410	2	138.00	A
	SQUASH, SUMMER	0.0335	1	1.25	A
	SUDANGRASS	0.5049	1	28.00	A
	SUGARBEET	16.0136	32	1,783.60	A
	SWEET POTATO	1.8461	4	98.00	A
	TANGELO	2.8082	1	15.00	A
	TANGERINE	7.3211	4	87.00	A
	TOMATILLO	0.1559	1	7.00	A
	TOMATO	45.9541	41	2,446.61	A
	TOMATO, PROCESSING	119.5479	90	9,995.38	A
	TURF/SOD	103.0312	40	485.55	A
	UNCULTIVATED AG	0.1919	5	80.00	A
	WALNUT	93.9756	32	893.99	A
	WATERMELON	5.9274	8	384.00	A
	WHEAT	3.3067	5	506.00	A
	Chemical Total	10,703.2597	4,012		
<b>ZINEB</b>					
	LANDSCAPE MAINTENANCE	72.0000			
	Chemical Total	72.0000			

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<b>ZIRAM</b>					
	ALMOND	301,758.2037	1,090	61,926.40	A
		1.0913	1	15.00	U
	TOTAL POUNDS ON THIS COMMODITY	301,759.2950			
	APPLE	963.5736	6	170.27	A
		0.3880	1	5.00	U
	TOTAL POUNDS ON THIS COMMODITY	963.9616			
	APRICOT	7,265.6752	114	1,660.19	A
	CHERRY	248.7424	5	51.04	A
	GRAPE	7,593.9892	97	4,064.00	A
	GRAPE, WINE	2,277.8550	23	1,491.50	A
	LANDSCAPE MAINTENANCE	1.2825			
	N-GRNHS PLANTS IN CONTAINERS	50.3500	4	5.30	A
	N-OUTDR PLANTS IN CONTAINERS	407.9539	26	117.49	A
	NECTARINE	57,131.1755	930	9,917.10	A
	PEACH	148,284.2326	1,391	25,554.60	A
		0.8609	1	12.00	U
	TOTAL POUNDS ON THIS COMMODITY	148,285.0935			
	PEAR	22,009.4500	156	4,098.38	A
		0.1516	1	2.00	U
	TOTAL POUNDS ON THIS COMMODITY	22,009.6016			
	PLUM	635.8422	12	113.00	A
	PRUNE	188.4800	2	37.00	A
	RESEARCH COMMODITY	29.6400			
	Chemical Total	548,848.9376	3,860		
<b>UNKNOWN</b>					
	ALFALFA		10	501.00	A
	ALMOND		8	161.30	A
	FOREST, TIMBERLAND		1	4.00	A
	GRAPE, WINE		97	1,275.29	A
	LANDSCAPE MAINTENANCE	0.3891			
	LETTUCE, HEAD		1	20.00	A
	RICE		1	210.00	A
	RIGHTS OF WAY				
	STRUCTURAL PEST CONTROL	349.2208			
	TOMATO, PROCESSING		6	350.00	A
	VERTEBRATE CONTROL				
	Chemical Total	349.2208		124	
	<b>Statewide Total</b>	<b>180,272,160.9580</b>	<b>2,088,841</b>		