

2003 STATUS REPORT PESTICIDE CONTAMINATION PREVENTION ACT

A Report to the Legislature,
the Office of Environmental Health
Hazard Assessment, and
the State Water Resources Control Board



California Environmental Protection Agency
DEPARTMENT OF PESTICIDE REGULATION

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EH03-07

California Department of Pesticide Regulation

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**2003 Status Report
Pesticide Contamination
Prevention Act**

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EXECUTIVE SUMMARY

PURPOSE

The provisions of Food and Agricultural Code (FAC) section 13144(b) require the Department of Pesticide Regulation (DPR) to annually report to the Legislature, the Office of Environmental Health Hazard Assessment, and the State Water Resources Control Board, information regarding the status of the ground water protection data call-in of pesticidal active ingredients registered for agricultural use, the pesticide active ingredients with data exceeding specific numerical values (SNVs), and sales and use information. The ground water protection data for each active ingredient include information on certain physical and chemical properties and environmental fate. Active ingredients with properties that exceed the SNVs established by DPR are considered to have the potential to contaminate ground water. Active ingredients exceeding the SNV criteria are listed with the information on the reported sale and use in California.

BACKGROUND

The Pesticide Contamination Prevention Act (PCPA) of 1985 established a set of data requirements for identifying and tracking potential and actual ground water contaminants. The PCPA directed DPR to establish SNVs and compare the data as a basis to estimate their relative risk to ground water and to undertake a process to determine whether they have contaminated ground water. The PCPA establishes procedures for reviewing chemicals found in ground water or in soil as a result of legal agricultural use and for modifying or canceling use of such chemicals.

Under the data call-in provisions of the PCPA, California registrants of agricultural use pesticides must provide DPR with data on physical and chemical properties and environmental fate of the active ingredients in their products. Based on this information, DPR identified active ingredients with data that meet or exceed the SNVs for water solubility, soil adsorption, hydrolysis half-life, aerobic soil metabolism half-life, and anaerobic soil metabolism half-life. Since the enactment of the PCPA, the ability to establish an SNV for field dissipation could not be scientifically determined.

Active ingredients that meet or exceed criteria for SNVs and are labeled for agricultural use are placed on the Ground Water Protection List (GWPL) found in Title 3 of the California Code of Regulations. The GWPL consists of two sublists. One sublist [6800(b)] consists of chemicals that meet the conditions specified in FAC section 13145(d). These chemicals must also have pesticide product labels that allow application by chemigation or by application to or injection into the soil or that the application be followed by flood or furrow irrigation within 72 hours. This list is used to determine the pesticides to sample for their presence in ground water. The second sublist [6800(a)] consists of chemicals that have been detected in ground water or soil in California pursuant to FAC section 13149. DPR takes immediate regulatory measures for these chemicals under the PCPA.

REPORT SUMMARY

This report complies with the requirements of FAC section 13144(b). A total of 524 active ingredients were identified in 1986 as being registered for agricultural use. However, 377 compounds are not subject to the data call-in for one or more of the following reasons: they are used indoors; they are used in ways that would not result in contact with the soil; they are applied in amounts below limits of detection; they occur naturally in soil; or they are no longer registered for agricultural use in California. Acceptable data is on file with DPR for the remaining 147 pesticidal active ingredients subject to the data call-in.

The report also identifies five additional active ingredients that met or exceeded the SNVs and are registered for use in California. These chemicals join the listing of the 139 active ingredients meeting or exceeding the SNVs that were previously registered for use in California. The mean physicochemical properties relating to the SNVs are also given in the report. Information comprising of California sales of these active ingredients, a description of their use, and countywide applications are also specified.

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REPORT REQUIREMENTS PURSUANT TO THE PESTICIDE CONTAMINATION PREVENTION ACT

The Pesticide Contamination Prevention Act of 1985 requires that the Department of Pesticide Regulation (DPR) provide the following information for each economic poison registered for agricultural use. The information is provided to the Legislature, the Office of Environmental Health Hazard Assessment, and the State Water Resources Control Board.

1. A list of each active ingredient, other specified ingredient, or degradation product of an active ingredient of an economic poison for which there is a ground water protection gap.
2. A list of each economic poison that contains an active ingredient, other specified ingredient, or degradation product of an active ingredient that is greater than one or more of the numerical values established pursuant to the Act or is less than the numerical value in the case of the soil adsorption coefficient in both of the following categories:
 - (a) Water solubility or soil adsorption coefficient (K_{oc}); and
 - (b) Hydrolysis, aerobic soil metabolism, anaerobic soil metabolism, or field dissipation.
3. Provide for each economic poison listed pursuant to number 2 (if information is available), the amount sold in California during the most recent year (for which sales information is available), where and for what purpose the economic poison was used, and when this information is available in the Pesticide Use Report.

The information is presented in two sections: 1) "Status of the Ground Water Protection Data Call-in", 2) "Report on Economic Poisons Exceeding Specific Numerical Values Pursuant to the Pesticide Contamination Prevention Act", which lists the properties of pesticides associated with leaching potential and the specific numerical values established by DPR.

STATUS OF THE GROUND WATER PROTECTION DATA CALL-IN

A.	Total active ingredients for possible data call-in: (This list was established in 1986.)	524
	Active ingredients not subject to the data call-in:	
	Active ingredients no longer registered:	152
	Active ingredients on which data are not required at this time ¹ :	225
		<u>377</u>
	The number of active ingredients subject to the data call-in:	147
B.	Status of the active ingredients subject to the data call-in.	
	Adequate studies on file:	147
		—
	Inadequate or pending studies:	0

¹Products are not registered for agriculture use, or are registered for uses for which data are not currently required such as indoor use or animal ear tags.

ACTIVE INGREDIENTS EXCEEDING THE SPECIFIC NUMERICAL VALUES

This report evaluates the potential of pesticide active ingredients to leach to ground water. Section 13144 (a) of the Pesticide Contamination Prevention Act of 1985 (PCPA, Stats. 1985, Ch. 1298, section 1) requires the Department of Pesticide Regulation (DPR) to establish thresholds known as specific numerical values (SNVs) for six physicochemical characteristics of environmental fate: water solubility, soil adsorption coefficient (K_{oc}), hydrolysis half-life, aerobic and anaerobic soil metabolism half-lives, and field dissipation half-life. These parameters are presumed by the PCPA to correlate with the potential of a pesticide to leach to ground water. Water solubility and K_{oc} are considered indicators of the mobility of an active ingredient within the soil, while the half-lives for hydrolysis, aerobic and anaerobic soil metabolism and field dissipation are considered indicators of the persistence of the chemical in the soil.

Statistical comparison procedures were used to calculate the SNVs. Based on nationwide ground water studies, a list of pesticide active ingredients was created and separated into two groups: 1) chemicals that had been detected in ground water as a result of legal agricultural use (leachers), and 2) chemicals that had been sampled for and not found in ground water as a result of legal agricultural use (non-leachers). Estimates of the physicochemical parameter values for the chemicals in each group were determined from data available in the open literature and from DPR-approved studies submitted by pesticide registrants in fulfillment of the data call-in requirements in PCPA section 13143. The data for each of the parameter values were tested for their usefulness in discriminating between leachers and non-leachers by determining whether the means of the two groups were significantly different. The tests showed that the means of the data for water solubility, hydrolysis half-life, K_{oc} , and the anaerobic soil metabolism half-life for chemicals identified as leachers were significantly different from the means of chemicals identified as non-leachers. The SNVs for these properties were established as those values that would identify as leachers 90 percent of the chemicals found in ground water due to agricultural use (Wilkerson and Kim, 1986). The means of the two groups for aerobic soil metabolism, however, were not significantly different. Because the PCPA requires DPR to establish an SNV for each physicochemical property, the SNV for the aerobic soil metabolism half-life was set at a value that minimized its importance in the discrimination procedure. The SNVs established by DPR are reevaluated periodically to incorporate new data into the calculations. Details on revisions to the SNVs can be found in subsequent reports

(Johnson, 1991; Johnson, 1989; Johnson, 1988). The SNVs currently in regulation (Titles 3 and 26, California Code of Regulations, section 6804) are:

(a)	Water solubility	3 ppm
(b)	Soil adsorption coefficient (K_{oc})	1900 cm^3/g
(c)	Hydrolysis half-life	14 days
(d)	Aerobic soil metabolism half-life	610 days
(e)	Anaerobic soil metabolism half-life	9 days

The SNV for field dissipation half-life has not yet been established. The SNVs are required by PCPA section 13144 to be at least equal to those established by the United States Environmental Protection Agency (USEPA). To date, the USEPA has not established any SNVs.

Pursuant to PCPA section 13144(b), pesticide active ingredients are tested against the SNVs and are placed on a list of candidates as potential leachers if both the mobility and persistence parameter values exceed (or are less than in the case of the K_{oc}) the SNV for water solubility or K_{oc} and the SNV for the hydrolysis or aerobic soil metabolism or anaerobic soil metabolism or field dissipation half-life. If a potential leacher has a pesticide label which requires or recommends the application method to be by application to or injection into the soil or by chemigation or that application is to be followed by flood or furrow irrigation within 72 hours, then the chemical is placed on the Groundwater Protection List [FAC section 6800 (b)]. Table 1 is a list of candidate potential leachers that are contained in currently registered economic poisons and their respective mean physicochemical parameter values.

There are five active ingredients new to the 2003 list compared to the 2002 list:

2,4-D, 2-ethylhexyl ester
2,4-D, dimethylamine salt
clomazone
imazapyr
terrazole

2,4-D, 2-ethylhexyl ester, 2,4-D, dimethylamine salt, clomazone, and imazapyr are herbicides. Terrazole is a fungicide. 2,4-D, dimethylamine salt is already listed in FAC section 6800(b).

The following active ingredients exceeded the SNVs, but because they are not used in economic poisons currently registered for use in California (registration status as of October 1, 2003), they have not been included in Table 1:

- 2,4-D, alkanolamine salts (ethanol and isopropanol amines)
- 2,4-D, butyl ester*
- 2,4-D, diethylamine salt
- 2,4-D, n-oleyl-1,3-propylenediamine salt
- 2,4-D, octyl ester
- 2,4-D, propylene glycol butyl ether ester
- 2,4-D, triethylamine salt
- ametryne
- amitrole
- anilazine
- azafenidin
- bromoxynil butyrate
- clothianidin*
- cyanazine
- dicamba, diethanolamine salt
- dichlorprop-p
- dicrotophos
- diethatyl-ethyl
- diphenamid
- dodecyl ammonium methanearsonate
- dodemorph acetate
- endothall, disodium salt
- fensulfothion
- fenthion
- fluometuron
- flurprimidol

fonofos
halofenozide
hymexazol
iodomethane*
isazophos
mcpp, diethanolamine salt
metolachlor
metsulfuron-methyl
mevinphos
naptalam, sodium salt
octylammonium methanearsonate
parathion
pebulate
phosalone
phosphamidon
picloram, potassium salt
sulprofos
terbacil
terbutryn
thifensulfuron-methyl
triallate
triticonazole*
vernolate
zoxamide

* New to list this year, but not registered for use in California

PCPA section 13144(b) also requires DPR to provide, for each active ingredient in Table 1, a list of the amount sold in California, and a list of where and for what purpose the economic poison was used. The 2002 pesticide sales data are shown in Table 2. Information on the active ingredients and their modes of action can be found in Table 3. The 2002 Pesticide Use Reporting, the most recent and complete set of data available, are found in Table 4.

Table 1. Active ingredients exceeding the specific numerical values (SNVs) and their respective mean physicochemical property values (2003 Report).

Active Ingredient	Solubility		Aerobic	Anaerobic	Hydrolysis
	(ppm)	K _{oc}	Metabolism	Metabolism	
	SNV > 3	(cm ³ /g)	(days)	(days)	
	SNV < 1,900	SNV > 610	SNV > 9	SNV > 14	
2,4-D	27,600	46	34	333	39 ^a
2,4-D, 2-ethylhexyl ester ^b	0	46	34	333	1
2,4-D, butoxyethanol and isooctyl esters	NA ^c	46	34	333	1
2,4-D, diethanolamine salt	657,000	46	34	333	39 ^a
2,4-D, dimethylamine salt ^c	657,000	46	34	333	39 ^a
2,4-D, isooctyl ester	NA	46	34	333	1
4(2,4-DB), dimethylamine salt	742,000	191	25	269	35
Acephate	818,000	3	3	6	169
Acetamiprid	NA	343	10	330	35 ^a
Acibenzolar-s-methyl	NA	1,100	4	50	76
Alachlor	200	131	20	5	30 ^a
Aldicarb	5,870	239	2	2	28 ^a
Atrazine	33	93	146	159	30 ^a
Azinphos methyl	28	882	44	68	19
Azoxystrobin	6	581	112	119	31 ^a
Bensulfuron methyl	35	332	75	168	103
Bensulide	6	16,600	432	1,890	220
Bentazon, sodium salt	530	116	40	365	30 ^a
Bromacil	929	17	347	73	30 ^a
Butylate	44	397	70	64	533
Cacodylic acid	2,570,000	2,660	NA	365	35 ^a
Calcium acid methanearsonate	1,040,000	1,680	269	NA	35
Carbaryl	116	326	6	87	12
Carbofuran	351	NA	22	20	18
Chloropicrin	2,000	25	3	NA	191 ^a
Chlorothalonil	1	1,790	35	8	49 ^a
Chlorsulfuron	28,300	35	28	162	1,230
Clethodim	6,630	116	3	191	30 ^a
Clomazone ^c	NA	244	66	19	34 ^a

Active Ingredient	Solubility		Aerobic	Anaerobic	Hydrolysis (days)
	(ppm)	K _{oc}	Metabolism	Metabolism	
	SNV > 3	(cm ³ /g) SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
Clopyralid	NA	5	152	365	30 ^a
Cycloate	95	12,900	43	109	30 ^a
Cyprodinil	16	1,470	126	183	32 ^a
Cyromazine	13,600	756	63	97	28 ^a
Dazomet	3,630	NA	1	14	0
Diazinon	60	1,580	40	16	138
Dicamba	27,200	5	10	88	30 ^a
Dicamba, dimethylamine salt	NA	5	10	88	30 ^a
Dichlobenil	21	0	NA	NA	1,810
Dicloran	6	804	549	66	72 ^a
Difenzoquat methyl sulfate	817,000	74,100	1,600	6,810	NA
Diflufenzopyr, sodium salt	NA	292	55	164	NA
Dimethipin	4,600	11	NA	1,280	60 ^a
Dimethoate	39,800	11	2	22	68
Dimethomorph	NA	1,360	NA	26	NA
Diquat dibromide	677,000	353,000	3,450	1,060	30 ^a
Disulfoton	12	522	9	NA	177
Dithiopyr	1	1,040	871	21,700	NA
Diuron	36	499	372	995	1,290
Dodine	1,040	2,570,000	7	365	914
Dsma	1,040,000	1,680	269	NA	35
Endothall, dipotassium salt	NA	750	9	8	36 ^a
Eptc	345	170	42	65	30 ^a
Ethofumesate	50	150	93	NA	2,900
Ethoprop	843	161	34	130	449
Fenamiphos	482	341	24	88	301
Fenarimol	15	757	1,100	1,620	28
Fenhexamid	150	853	1	97	30 ^a
Fenoxycarb	6	1,540	85	136	3,140
Fipronil	22	749	366	123	30 ^a
Fluazifop-butyl	1	1,770	1	3	30 ^a

Active Ingredient	Solubility		Aerobic	Anaerobic	Hydrolysis (days)
	(ppm)	K _{oc} (cm ³ /g)	Metabolism (days)	Metabolism (days)	
	SNV > 3	SNV < 1,900	SNV > 610	SNV > 9	
Fludioxonil	NA	1,610	NA	365	30 ^a
Flutolanil	NA	905	NA	NA	30 ^a
Formetanate hydrochloride	822,000	371	8	15	1
Fosetyl-al, technical	136,000	325	0	2	30 ^a
Glufosinate-ammonium	NA	785	20	NA	30 ^a
Glyphosate, isopropylamine salt	11,600	6,920	96	22	35 ^a
Glyphosate-trimesium	3,310,000	24,700	6	52	796
Halosulfuron	1,650	124	51	23	14
Hexazinone	29,800	640	222	232	56 ^a
Imazamox, ammonium salt	NA	58	134	213	30 ^a
Imazapyr ^c	NA	348	507	30	30 ^a
Imazethapyr	351	54	2,410	568	NA
Imidacloprid	514	262	997	27	30 ^a
Iprodione	12	NA	64	32	5
Isoxaben	2	351	205	NA	1,270
Kresoxim-methyl	NA	437	2	1	34
Linuron	77	341	22	102	262
Malathion	125	291	3	30	6
Mcpa, dimethylamine salt	1,470,000	34	24	1,870	30 ^a
Mcpp acid (mecoprop, mcppa)	734	26	13	541	31
Mcpp, dimethylamine salt	1,060,000	26	13	541	31
Mcpp, potassium salt	1,060,000	26	13	541	31
Mecoprop-p	NA	119	20	NA	30 ^a
Mepiquat chloride	500,000	NA	40	359	NA
Metalaxyl	8,410	163	62	68	1,000
Metaldehyde	190	35	67	223	6,150
Methamidophos	1,200,000	8	1	NA	21
Methidathion	221	341	3	NA	26
Methiocarb	27	655	64	64	24
Methomyl	54,700	43	46	1	30 ^a
Methoxyfenozide	NA	501	680	654	30 ^a

Active Ingredient	Solubility	K _{oc}	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm ³ /g)	Metabolism	Metabolism	
	SNV > 3	SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
Methyl isothiocyanate	8,230	NA	NA	NA	20
Methyl parathion	70	476	12	1	45
Metiram	NA	913	1	15	1,070
Metribuzin	1,030	106	140	276	4,760
Molinate	970	199	NA	105	1,560
Msma	1,040,000	1,680	269	NA	35 ^a
Napropamide	74	726	455	51	35 ^a
Nicosulfuron	18,500	37	26	63	30 ^a
Nitrapyrin	72	333	30	59	8
Norflurazon	34	617	172	348	2,650
Oryzalin	3	848	63	10	28 ^a
Oxydemeton-methyl	NA	30	6	4	40
Paraquat dichloride	626,000	NA	620	644	30 ^a
Phenmedipham	6	NA	54	47	1
Phorate	29	657	3	14	3
Phosmet	20	5,810	7	27	0
Piperalin	20	23,600	NA	NA	16
Piperonyl butoxide, technical	14	1,810	79	927	251
Profenofos	28	2,010	2	3	43
Prohexadione calcium	NA	570	NA	NA	65
Prometon	718	124	459	61	1,130
Prometryn	33	277	274	316	28 ^a
Propanil	152	518	2	3	5,000
Propiconazole	100	656	72	211	NA
Propyzamide	13	889	392	762	42 ^a
Pymetrozine	NA	1,100	491	91	30 ^a
Pyrazon	380	13,800	124	489	NA
Pyridate	1	55	39	30	1
Pyrithiobac-sodium	NA	14	60	128	35 ^a
Quinclorac	NA	37	211	364	30 ^a
Rimsulfuron	3,750	49	21	18	7

Active Ingredient	Solubility		K _{oc}	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm ³ /g)		Metabolism	Metabolism	
	SNV > 3	SNV < 1,900		(days)	(days)	
				SNV > 610	SNV > 9	SNV > 14
(S)-metolachlor	480	185		38	61	200
Sethoxydim	6,950	47		7	25	47
Siduron	NA	201		895	3,770	30 ^a
Simazine	6	340		110	71	28 ^a
Sulfometuron methyl	4,250	89		52	116	30 ^a
Tebuconazole	NA	1,000		597	1,260	28 ^a
Tebufenozide	1	605		405	179	30 ^a
Tebuthiuron	2,600	90		1,220	1,520	395 ^a
Terrazole ^c	105	107		19	1	92
Thiamethoxam	NA	64		229	NA	6,080
Thiazopyr	2	204		274	338	30 ^a
Thiobencarb	28	530		37	306	160 ^a
Thiophanate-methyl	25	225		1	2	41
Tralkoxydim	NA	131		5	NA	112
Triadimefon	64	365		6	23	1,760
Triclopyr, butoxyethyl ester	7	62		13	27	7
Triclopyr, triethylamine salts	NA	62		13	1,600	NA
Triflumizole	18	1,240		23	67	116
Triflurosulfuron-methyl	2,820	61		89	23	32 ^a
Trinexapac-ethyl	11,400	440		0	13	456
Uniconazole-p	8	NA		332	NA	30 ^a
Vinclozolin	3	260		28	15	1

a - No hydrolysis occurred during the study. The hydrolysis half-life is greater than the value listed, which is the length of the study.

b - New active ingredient in the 2003 PCPA Status Report; these active ingredients were not listed in the 2002 report.

c - Not available.

Table 2. Sales during 2002 of active ingredients that have exceeded the specific numerical values (2003 Report).

Active Ingredient	Pounds Sold^a
2,4-D	222,418
2,4-D, 2-ethylhexyl ester	24,801
2,4-D, butoxyethanol ester	8,283
2,4-D, diethanolamine salt	4,080
2,4-D, dimethylamine salt	637,132
2,4-D, isooctyl ester	9,852
4(2,4-DB), dimethylamine salt	24,023
Acephate	2,130,939
Acetamiprid	CI ^b
Acibenzolar-s-methyl	CI
Alachlor	CI
Aldicarb	CI
Atrazine	78,315
Azinphos methyl	228,000
Azoxystrobin	CI
Bensulfuron methyl	CI
Bensulide	238,614
Bentazon, sodium salt	CI
Bromacil	85,349
Butylate	NS ^c
Cacodylic acid	1,270
Calcium acid methanearsonate	4,926
Carbaryl	419,799
Carbofuran	CI
Chloropicrin	6,968,466
Chlorothalonil	1,253,756
Chlorsulfuron	CI
Clethodim	CI
Clomazone	CI
Clopyralid	CI
Cycloate	CI
Cyprodinil	CI
Cyromazine	CI
Dazomet	117,336
Diazinon	906,262
Dicamba	6,551
Dicamba, dimethylamine salt	59,657
Dichlobenil	13,890
Dicloran	106,144
Difenzoquat methyl sulfate	CI
Diflufenzopyr, sodium salt	CI
Dimethipin	CI
Dimethoate	378,494
Dimethomorph	CI
Diquat dibromide	118,751
Disulfoton	82,853
Dithiopyr	6,951
Diuron	1,405,156

Active Ingredient	Pounds Sold^a
Dodine	NS
Dsma	67
Endothall, dipotassium salt	CI
Eptc	370,022
Ethofumesate	16,265
Ethoprop	22,198
Fenamiphos	CI
Fenarimol	101,876
Fenhexamid	CI
Fenoxycarb	55
Fipronil	32,124
Fluazifop-butyl	CI
Fludioxonil	CI
Flutolanil	13,993
Formetanate hydrochloride	42,525
Fosetyl-al	274,878
Glufosinate-ammonium	10,767
Glyphosate, isopropylamine salt	8,812,652
Glyphosate-trimesium	CI
Halosulfuron	CI
Hexazinone	CI
Imazamox, ammonium salt	CI
Imazethapyr	CI
Imidacloprid	147,425
Iprodione	345,402
Isoxaben	14,516
Kresoxim-methyl	CI
Linuron	37,364
Malathion	1,007,143
Mcpa, dimethylamine salt	215,384
Mcpp	157,516
Mcpp, dimethylamine salt	96,643
Mcpp, potassium salt	7,521
Mecoprop-p	8,545
Mepiquat chloride	18,257
Metalaxyl	1,747
Metaldehyde	379,331
Methamidophos	48,164
Methidathion	CI
Methiocarb	2,486
Methomyl	290,308
Methyl isothiocyanate	NS
Methyl parathion	73,392
Metiram	CI
Metribuzin	23,581
Molinate	980,610
Msma	503,001
Napropamide	110,950
Nicosulfuron	CI
Nitrapyrin	CI

Active Ingredient	Pounds Sold^a
Norflurazon	CI
Oryzalin	638,919
Oxydemeton-methyl	103,809
Paraquat dichloride	1,341,907
Phenmedipham	5,915
Phorate	10,200
Phosmet	561,704
Piperalin	CI
Piperonyl butoxide	84,880
Profenofos	CI
Prohexadione calcium	CI
Prometon	9,347
Prometryn	270,554
Propanil	886,381
Propiconazole	22,529
Propyzamide	CI
Pymetrozine	CI
Pyrazon	CI
Pyridate	CI
Pyrithiobac-sodium	CI
Quinclorac	CI
Rimsulfuron	CI
(S)-metolachlor	CI
Sethoxydim	CI
Siduron	20,488
Simazine	979,451
Sulfometuron methyl	CI
Tebuconazole	41,226
Tebufenozide	CI
Tebuthiuron	5,568
Thiamethoxam	CI
Thiazopyr	CI
Thiobencarb	667,763
Thiophanate-methyl	150,383
Tralkoxydim	CI
Triadimefon	3,222
Triclopyr, butoxyethyl ester	4,990,064
Triclopyr, triethylamine salt	204,356
Triflumizole	CI
Triflurosulfuron-methyl	CI
Trinexapac-ethyl	CI
Uniconazole-p	CI
Vinclozolin	18,103

a - Sales data derived from DPR sales database for year 2002.

b - Confidential information. Three or less registrants for this active ingredient.

c - No sales reported for this active ingredient during 2002.

Table 3. Use of active ingredients that have exceeded the specific numerical values (2003 report)^a.

Active Ingredient	Use	Description
2,4-D	Herbicide	Hormone type
2,4-D, 2-ethylhexyl ester	Herbicide	Hormone type
2,4-D, butoxyethanol and isooctyl esters	Herbicide	Hormone type
2,4-D, diethanolamine salt	Herbicide	Hormone type
2,4-D, dimethylamine salt	Herbicide	Hormone type
2,4-D, isooctyl ester	Herbicide	Hormone type
4(2,4-DB), dimethylamine salts	Herbicide	Selective, postemergent
Acephate	Insecticide	Contact, systemic
Acetamiprid	Insecticide	Systemic
Acibenzolar-s-methyl	Fungicide	Selective, systemic
Alachlor	Herbicide	Pre-emergent
Aldicarb	Insecticide/ acaricide	Systemic
Atrazine	Herbicide	Selective, residual
Azinphos-methyl	Insecticide	Contact, nonsystemic
Azoxystrobin	Fungicide	Foliar
Bensulfuron methyl	Herbicide	Selective
Bensulide	Herbicide	Selective, pre-emergent
Bentazon, sodium salt	Herbicide	Selective, pre-emergent
Bromacil	Herbicide	Pre-emergent
Butylate	Herbicide	Selective, preplant
Cacodylic acid	Herbicide/ silvicide	Harvest aid
Calcium acid methanearsonate	Herbicide	Selective
Carbaryl	Insecticide	Broad spectrum
Carbofuran	Insecticide/ acaricide/ nematocide	Soil, foliar
Chloropicrin	Warning agent/ fumigant	Space, commodity, soil
Chlorothalonil	Fungicide	Broad spectrum, protectant
Chlorsulfuron	Herbicide	Selective
Clethodim	Herbicide	Systemic, postemergent
Clomazone	Herbicide	Broad spectrum, preplant, pre-emergent
Clopyralid	Herbicide	Selective, postemergent
Cycloate	Herbicide	Selective, preplant
Cyprodinil	Fungicide	Systemic
Cyromazine	Insecticide	Growth regulator
Dazomet	Fungicide/ nematocide/ herbicide/ slimicide	Preplant

Active Ingredient	Use	Description
Diazinon	Insecticide/ nematicide	Soil/foliar/seed
Dicamba	Herbicide	Selective, systemic
Dicamba, dimethylamine salt	Herbicide	Selective, systemic
Dichlobenil	Herbicide	Selective, cellulose
Dicloran	Fungicide	Pre-, postharvest
Difenzoquat methyl sulfate	Herbicide	Selective, postemergent
Diflufenzopyr, sodium salt	Herbicide	Selective, postemergent
Dimethipin	Plant growth regulator	Systemic
Dimethoate	Insecticide/ acaricide	Systemic
Dimethomorph	Fungicide	Selective, postemergent
Diquat dibromide	Desiccant/ herbicide	Contact
Disulfoton	Insecticide/ acaricide	Systemic
Dithiopyr	Herbicide	Pre-, postemergent
Diuron	Herbicide	Selective, general
Dodine	Fungicide	Systemic, preventative, foliar
Dsma	Herbicide	Selective, postemergent
Endothall, dipotassium salt	Herbicide/ algicide/ growth regulator	Pre-, postemergent
Eptc	Herbicide	Selective
Ethofumesate	Herbicide	Selective
Ethoprop	Insecticide/ nematicide	Soil
Fenamiphos	Nematicide	Selective
Fenarimol	Fungicide	Systemic, foliar
Fenhexamid	Fungicide	Systemic, curative, foliar
Fenoxycarb	Insecticide	Growth regulator
Fipronil	Insecticide	Contact, stomach
Fluazifop-butyl	Herbicide	Selective, postemergent
Fludioxonil	Fungicide	Contact
Flutolanil	Fungicide	Systemic
Formetanate hydrochloride	Acaricide/ insecticide	Foliar
Fosetyl-Al, technical	Fungicide	Systemic, preventative
Glufosinate-ammonium	Herbicide	Selective
Glyphosate, isopropylamine salt	Herbicide	Nonselective, postemergent
Glyphosate-trimesium	Herbicide	Nonselective, postemergent
Halosulfuron	Herbicide	Pre-, postemergent
Hexazinone	Herbicide	Contact, residual

Active Ingredient	Use	Description
Imazamox, ammonium salt	Herbicide	Selective, postemergent
Imazapyr	Herbicide	Nonselective, pre-, postemergent
Imazethapyr	Herbicide	Selective, pre-, postemergent
Imidacloprid	Insecticide	Systemic
Iprodione	Fungicide	Contact
Isoxaben	Herbicide	Soil, pre-emergent
Kresoxim-methyl	Fungicide	Non-systemic, preventive, curative, foliar
Linuron	Herbicide	Selective
Malathion	Insecticide	Nonsystemic foliar
MCPA, dimethylamine salt	Herbicide	Hormone-type
MCPP acid (mecoprop, MCPPA)	Herbicide	Systemic
MCPP, dimethylamine salt	Herbicide	Systemic
MCPP, potassium salt	Herbicide	Systemic
Mecoprop-p	Herbicide	Systemic hormone-type
Mepiquat chloride	Bioregulator	Harvest aid
Metalaxyl	Fungicide	Seed treatment, soil, foliar
Metaldehyde	Molluscicide	Contact
Methamidophos	Insecticide/ acaricide	Narrow spectrum
Methidathion	Insecticide/ acaricide	Nonsystemic
Methiocarb	Insecticide/ acaricide	Nonsystemic
Methomyl	Insecticide	Broad spectrum
Methyl isothiocyanate	Fumigant	Soil, preplant
Methyl parathion	Insecticide	Broad spectrum
Metiram	Fungicide	EBDC type, broad spectrum
Metribuzin	Herbicide	Selective, systemic
Molinate	Herbicide	Selective
Msma	Herbicide	Postemergent
Napropamide	Herbicide	Selective
Nicosulfuron	Herbicide	Selective, systemic
Nitrapyrin	Nitrification inhibitor	Selective
Norflurazon	Herbicide	Selective, preplant
Oryzalin	Herbicide	Selective, pre-emergent
Oxydemeton-methyl	Insecticide/ acaricide	Systemic, contact
Paraquat dichloride	Desiccant/ herbicide	Contact
Phenmedipham	Herbicide	Postemergent

Active Ingredient	Use	Description
Phorate	Insecticide	Systemic, soil
Phosmet	Insecticide	Broad spectrum
Piperalin	Fungicide	Ornamental
Piperonyl butoxide, technical	Synergist	Use with pyrethroids, pyrethrins
Profenofos	Insecticide/ acaricide	Broad spectrum
Prohexadione calcium	Herbicide	Plant growth regulator
Prometon	Herbicide	Nonselective, pre-, postemergent
Prometryn	Herbicide	Selective, pre-, postemergent
Propanil	Herbicide	Contact, postemergent
Propiconazole	Fungicide	Foliar
Propyzamide	Herbicide	Pre-, postemergent
Pymetrozine	Insecticide	Systemic, contact and stomach, soil or foliar
Pyrazon	Herbicide	Pre-, early postemergent
Pyridate	Herbicide	Selective
Pyriithiobac sodium	Herbicide	Pre-, postemergent
Quinclorac	Herbicide	Selective, pre-, postemergent
Rimsulfuron	Herbicide	Selective, systemic
(S)-metolachlor	Herbicide	Selective, preplant
Sethoxydim	Herbicide	Systemic, postemergent
Siduron	Herbicide	Selective, preemergent
Simazine	Herbicide	Selective
Sulfometuron-methyl	Herbicide	Contact, residual
Tebuconazole	Fungicide	Systemic
Tebufenozide	Insecticide	Systemic
Tebuthiuron	Herbicide	Nonselective
Terrazole ^c	Fungicide	Ornamental, turf
Thiamethoxam	Insecticide	Systemic
Thiazopyr	Herbicide	Selective, preemergent
Thiobencarb	Herbicide	Pre-, postemergent
Thiophanate-methyl	Fungicide	Systemic, broad spectrum
Tralkoxydim	Herbicide	Selective, postemergent
Triademefon	Fungicide	Systemic
Triclopyr, butoxyethyl ester	Herbicide	Systemic, postemergent
Triclopyr, triethylamine salts	Herbicide	Systemic, postemergent
Triflumizole	Fungicide	Systemic, broad spectrum

Active Ingredient	Use	Description
Triflurosulfuron-methyl	Herbicide	Growth regulator, soil
Trinexapac-ethyl	Herbicide	Growth regulator, soil
Uniconazole-P	Herbicide	Plant growth regulator
Vinclozolin	Fungicide	Contact, broad spectrum

a - Information derived from:

- i. Farm Chemicals Handbook. 2001. Meister Publishing Co., Willoughby, OH
- ii. Thomson, W.T. 2000. Agricultural Chemicals. Books I to IV, Thomson Publications, Fresno, CA
- iii. Merck Index, 12th edition. 1996. Merck & Co., Inc. Rahway, NJ

Table 4. Pesticide use reported during 2002 for active ingredients exceeding the specific numerical values (2003 Report).

Active Ingredient	County	Pounds Applied
2,4-D	Alameda	43
	Butte	10
	Contra Costa	4
	Fresno	2
	Glenn	<1
	Humboldt	11
	Kern	3
	Lassen	53
	Los Angeles	170
	Madera	21
	Marin	<1
	Mendocino	<1
	Merced	22
	Modoc	268
	Monterey	11
	Napa	1
	Orange	8
	Placer	2
	Riverside	39
	Sacramento	39
	San Benito	3
	San Bernardino	93
	San Diego	22
	San Francisco	<1
	San Joaquin	32
	San Luis Obispo	22
	San Mateo	52
	Santa Barbara	14
	Santa Clara	29
	Santa Cruz	<1
	Shasta	3
	Siskiyou	509
	Solano	8
	Sonoma	115
Stanislaus	40	
Sutter	29	
Tehama	<1	
Ventura	<1	
Yolo	11	
	Total	1,691
2,4-D, 2-ethylhexyl ester	Amador	157
	Butte	29
	Calaveras	548
	Del Norte	302
	El Dorado	143
	Glenn	173

Active Ingredient	County	Pounds Applied
	Humboldt	17
	Lassen	1,122
	Los Angeles	142
	Merced	648
	Modoc	1,228
	Nevada	7,037
	Orange	14
	Placer	79
	Plumas	1,361
	Riverside	2,836
	Sacramento	60
	San Benito	618
	San Bernardino	132
	San Francisco	<1
	San Joaquin	122
	Santa Clara	<1
	Shasta	795
	Sierra	815
	Siskiyou	2,321
	Solano	288
	Sutter	<1
	Tehama	123
	Trinity	359
	Tuolumne	203
	Yuba	671
	Total	22,344
2,4-D, butoxyethanol ester	Alameda	4
	Amador	21
	Butte	3
	Contra Costa	<1
	Del Norte	31
	Humboldt	2
	Imperial	7
	Kern	52
	Lassen	100
	Madera	4
	Marin	104
	Mendocino	14
	Merced	200
	Modoc	1,110
	Monterey	5
	Orange	339
	Plumas	19
	Riverside	161
	Sacramento	55
	San Diego	<1
	San Francisco	<1
	San Joaquin	5
	Santa Barbara	<1

Active Ingredient	County	Pounds Applied
	Santa Clara	<1
	Shasta	<1
	Siskiyou	1,161
	Stanislaus	62
	Sutter	14
	Yuba	7
	Total	3,482
2,4-D, diethanolamine salt	Butte	507
	Colusa	130
	El Dorado	8
	Fresno	131
	Glenn	158
	Kern	449
	Kings	2
	Madera	74
	Merced	1,252
	Sacramento	689
	San Diego	<1
	San Joaquin	1,349
	Siskiyou	470
	Solano	228
	Stanislaus	1,103
	Sutter	199
	Tehama	120
	Tulare	488
	Yolo	97
	Yuba	623
	Total	8,080
2,4-D, dimethylamine salt	Alameda	6,543
	Amador	402
	Butte	20,066
	Calaveras	227
	Colusa	8,653
	Contra Costa	6,097
	El Dorado	106
	Fresno	22,747
	Glenn	19,156
	Humboldt	246
	Imperial	39,057
	Inyo	<1
	Kern	5,832
	Kings	19,190
	Lake	1,627
	Lassen	495
	Los Angeles	2,371
	Madera	9,173
	Marin	618
	Mariposa	5

Active Ingredient	County	Pounds Applied
	Mendocino	1,252
	Merced	31,415
	Modoc	11,337
	Mono	15
	Monterey	8,387
	Napa	147
	Nevada	39
	Orange	2,159
	Placer	1,693
	Plumas	52
	Riverside	7,440
	Sacramento	15,663
	San Benito	2,557
	San Bernardino	3,900
	San Diego	485
	San Francisco	117
	San Joaquin	60,656
	San Luis Obispo	8,932
	San Mateo	1,485
	Santa Barbara	3,018
	Santa Clara	2,142
	Santa Cruz	7
	Shasta	2,393
	Siskiyou	12,876
	Solano	22,468
	Sonoma	1,576
	Stanislaus	21,181
	Sutter	16,583
	Tehama	7,055
	Tulare	15,267
	Tuolumne	41
	Ventura	2,012
	Yolo	23,385
	Yuba	2,390
	Total	452,737

2,4-D, isooctyl ester	Alameda	9
	Del Norte	313
	El Dorado	64
	Fresno	13
	Glenn	104
	Humboldt	4,862
	Kern	2
	Lassen	1,499
	Los Angeles	451
	Madera	84
	Marin	236
	Merced	214
	Modoc	1,148
	Orange	260

Active Ingredient	County	Pounds Applied
	Riverside	374
	San Benito	159
	San Bernardino	291
	San Luis Obispo	<1
	Santa Clara	<1
	Santa Cruz	<1
	Shasta	35
	Siskiyou	1,308
	Sutter	21
	Tuolumne	896
	Ventura	<1
	Total	12,343
4(2,4-DB), dimethylamine salt	Amador	23
	Butte	993
	Colusa	47
	Contra Costa	21
	Fresno	1,561
	Glenn	995
	Imperial	2,962
	Kern	684
	Kings	447
	Lassen	75
	Los Angeles	20
	Madera	320
	Merced	2,995
	Modoc	116
	Riverside	656
	Sacramento	1,120
	San Joaquin	3,558
	Sierra	12
	Siskiyou	649
	Solano	1,375
	Stanislaus	295
	Sutter	200
	Tehama	105
	Tulare	1,947
	Yolo	7,984
	Yuba	39
	Total	29,201
Acephate	Alameda	538
	Amador	<1
	Butte	340
	Calaveras	<1
	Colusa	3,009
	Contra Costa	298
	Del Norte	35
	El Dorado	14
	Fresno	32,684

Active Ingredient	County	Pounds Applied
	Glenn	1,686
	Humboldt	64
	Imperial	13,252
	Kern	11,039
	Kings	6,740
	Lake	3
	Lassen	<1
	Los Angeles	2,978
	Madera	524
	Marin	141
	Mariposa	2
	Mendocino	12
	Merced	4,821
	Modoc	19
	Monterey	72,620
	Napa	29
	Nevada	13
	Orange	2,314
	Placer	190
	Plumas	54
	Riverside	3,292
	Sacramento	475
	San Benito	5,587
	San Bernardino	449
	San Diego	5,642
	San Francisco	463
	San Joaquin	3,362
	San Luis Obispo	3,671
	San Mateo	839
	Santa Barbara	12,170
	Santa Clara	3,333
	Santa Cruz	2,942
	Shasta	446
	Sierra	26
	Siskiyou	137
	Solano	1,431
	Sonoma	239
	Stanislaus	4,638
	Sutter	5,042
	Tehama	304
	Tulare	1,793
	Tuolumne	22
	Ventura	49,664
	Yolo	220
	Yuba	2
	Total	259,612
Acetamiprid	Calaveras	10
	Colusa	14
	Fresno	734

Active Ingredient	County	Pounds Applied
	Glenn	3
	Imperial	158
	Kern	1,402
	Kings	1,437
	Lake	101
	Madera	4
	Mendocino	17
	Merced	98
	Monterey	1,638
	Riverside	40
	Sacramento	79
	San Benito	111
	San Luis Obispo	19
	Santa Barbara	63
	Santa Cruz	12
	Stanislaus	10
	Sutter	31
	Tulare	233
	Ventura	316
	Yolo	<1
	Yuba	102
	Total	6,632
Acibenzolar-s-methyl	Monterey	918
	San Benito	45
	San Luis Obispo	78
	Santa Barbara	141
	Santa Clara	5
	Santa Cruz	39
	Ventura	49
	Total	1,275
Alachlor	Alameda	<1
	Butte	287
	Fresno	9,037
	Glenn	568
	Los Angeles	99
	Merced	613
	Monterey	1,353
	Riverside	105
	San Benito	252
	San Diego	47
	Santa Barbara	5,391
	Santa Clara	277
	Tulare	4,264
	Ventura	6,374
	Total	28,666
Aldicarb	Butte	1,287
	Colusa	4,804

Active Ingredient	County	Pounds Applied
	Fresno	74,690
	Glenn	322
	Imperial	2,106
	Kern	26,416
	Kings	71,168
	Madera	6,326
	Merced	25,640
	Riverside	203
	San Benito	189
	San Diego	<1
	San Luis Obispo	<1
	Santa Cruz	<1
	Stanislaus	5
	Sutter	1,812
	Tulare	23,959
	Yolo	5,858
	Total	244,786

Atrazine	Alameda	2
	Calaveras	896
	Del Norte	1,308
	El Dorado	1,466
	Glenn	1,058
	Humboldt	5,090
	Imperial	11,415
	Lassen	155
	Los Angeles	30
	Modoc	4,854
	Monterey	2,066
	Nevada	1,281
	Orange	<1
	Placer	2,117
	Plumas	2,862
	Riverside	396
	Sacramento	9,550
	San Diego	3
	San Joaquin	2,125
	San Luis Obispo	5
	Santa Clara	5
	Shasta	3,562
	Siskiyou	166
	Solano	341
	Stanislaus	8
	Tehama	58
	Tuolumne	8,890
	Ventura	2,008
	Yolo	304
	Yuba	1,273
	Total	63,297

Active Ingredient	County	Pounds Applied
Azinphos methyl	Butte	8,477
	Colusa	1,718
	Contra Costa	2,115
	El Dorado	1,212
	Fresno	15,042
	Glenn	6,218
	Imperial	15
	Kern	70,026
	Kings	9,290
	Lake	4,640
	Los Angeles	465
	Madera	6,006
	Mendocino	1,056
	Merced	1,734
	Monterey	61
	Placer	6
	Riverside	50
	Sacramento	2,060
	San Bernardino	2
	San Joaquin	5,593
	San Luis Obispo	629
	San Mateo	219
	Santa Barbara	167
	Santa Clara	3
	Santa Cruz	233
	Shasta	9
	Solano	1,102
	Stanislaus	5,106
	Sutter	614
	Tehama	167
Tulare	6,410	
Yolo	1,034	
Yuba	3,529	
	Total	155,004
Azoxystrobin	Alameda	49
	Amador	2
	Butte	7,772
	Calaveras	32
	Colusa	4,018
	Contra Costa	94
	Del Norte	4
	El Dorado	62
	Fresno	10,476
	Glenn	6,688
	Humboldt	3
	Imperial	265
	Inyo	2
	Kern	15,551
Kings	1,122	

Active Ingredient	County	Pounds Applied
	Lake	31
	Los Angeles	864
	Madera	8,615
	Marin	12
	Mariposa	9
	Mendocino	103
	Merced	6,083
	Modoc	674
	Monterey	4,968
	Napa	964
	Nevada	10
	Orange	582
	Placer	184
	Plumas	<1
	Riverside	1,023
	Sacramento	1,527
	San Benito	215
	San Bernardino	74
	San Diego	1,239
	San Francisco	15
	San Joaquin	1,879
	San Luis Obispo	1,106
	San Mateo	101
	Santa Barbara	4,548
	Santa Clara	154
	Santa Cruz	633
	Shasta	124
	Siskiyou	562
	Solano	988
	Sonoma	713
	Stanislaus	3,828
	Sutter	3,455
	Tehama	459
	Tulare	11,314
	Ventura	2,710
	Yolo	1,216
	Yuba	897
	Total	108,021
Bensulfuron methyl	Butte	567
	Colusa	454
	Fresno	12
	Glenn	283
	Madera	6
	Merced	51
	Placer	23
	Sutter	606
	Yolo	313
	Yuba	108
	Total	2,422

Active Ingredient	County	Pounds Applied
Bensulide	Alameda	233
	Butte	237
	Calaveras	40
	Colusa	31
	Contra Costa	122
	Fresno	518
	Glenn	77
	Imperial	106,402
	Kern	155
	Los Angeles	626
	Madera	58
	Merced	441
	Monterey	30,116
	Orange	252
	Riverside	14,951
	Sacramento	1,029
	San Benito	13,199
	San Bernardino	8,511
	San Diego	99
	San Joaquin	226
	San Luis Obispo	1,335
	San Mateo	10
	Santa Barbara	3,732
	Santa Clara	3,280
	Santa Cruz	352
	Shasta	107
	Siskiyou	16
	Solano	202
	Stanislaus	3,300
	Tehama	22
Tulare	56	
Tuolumne	35	
Ventura	6,440	
Yolo	41	
	Total	196,249
Bentazon, sodium salt	Amador	<1
	Imperial	64
	Los Angeles	34
	Monterey	185
	Orange	175
	San Benito	4
	San Mateo	138
	Santa Barbara	29
	Santa Cruz	23
	Shasta	43
	Siskiyou	132
	Sutter	216
Ventura	<1	

Active Ingredient	County	Pounds Applied	
		Total	1,045
Bromacil	Alameda		182
	Amador		38
	Butte		70
	Calaveras		2
	Colusa		147
	Contra Costa		1,238
	El Dorado		2
	Fresno		7,495
	Glenn		801
	Humboldt		23
	Imperial		376
	Kern		7,389
	Kings		1,030
	Lake		52
	Los Angeles		1,826
	Madera		586
	Mariposa		4
	Mendocino		8
	Merced		1,481
	Monterey		118
	Napa		75
	Orange		266
	Plumas		3
	Riverside		4,200
	Sacramento		726
	San Benito		5
	San Bernardino		1,706
	San Diego		318
	San Francisco		14
	San Joaquin		1,208
	San Luis Obispo		823
	San Mateo		134
	Santa Barbara		241
	Santa Clara		84
	Santa Cruz		21
	Siskiyou		340
	Solano		334
	Sonoma		104
	Stanislaus		1,911
	Sutter		987
Tehama		559	
Tulare		14,861	
Tuolumne		39	
Ventura		3,608	
Yolo		372	
Yuba		14	
	Total		55,821

Active Ingredient	County	Pounds Applied
Butylate	Kern	6,139
	Kings	997
	Merced	4,083
	Sacramento	1,640
	San Joaquin	306
	Stanislaus	3,763
	Tulare	2,484
	Total	19,412
Cacodylic acid	Fresno	997
	Kern	60
	Kings	208
	Los Angeles	2
	Madera	39
	Merced	141
	Orange	5
	Riverside	4
	San Bernardino	9
	San Diego	1
	San Luis Obispo	2
	San Mateo	<1
	Santa Barbara	2
	Santa Cruz	<1
	Tulare	282
	Ventura	42
Total	1,795	
Calcium acid methanearsonate	Marin	<1
	Orange	<1
	Riverside	2
	San Diego	<1
	Santa Clara	<1
	Shasta	<1
	Stanislaus	<1
Total	3	
Carbaryl	Alameda	28,836
	Amador	6
	Butte	1,594
	Calaveras	150
	Colusa	681
	Contra Costa	2,981
	Del Norte	<1
	El Dorado	320
	Fresno	64,593
	Glenn	1,685
	Humboldt	177
	Imperial	4,845
	Inyo	70
Kern	25,923	

Active Ingredient	County	Pounds Applied
	Kings	10,154
	Lake	2,814
	Lassen	253
	Los Angeles	3,642
	Madera	1,106
	Marin	227
	Mariposa	<1
	Mendocino	154
	Merced	6,438
	Modoc	<1
	Monterey	5,508
	Napa	185
	Nevada	44
	Orange	2,346
	Placer	857
	Plumas	<1
	Riverside	3,380
	Sacramento	2,870
	San Benito	1,458
	San Bernardino	663
	San Diego	1,241
	San Francisco	1
	San Joaquin	11,175
	San Luis Obispo	655
	San Mateo	411
	Santa Barbara	400
	Santa Clara	872
	Santa Cruz	2,072
	Shasta	662
	Sierra	2
	Siskiyou	290
	Solano	2,340
	Sonoma	1,944
	Stanislaus	4,659
	Sutter	6,528
	Tehama	39
	Tulare	37,073
	Tuolumne	333
	Ventura	7,632
	Yolo	3,341
	Yuba	439
	Total	256,070
Carbofuran	Alameda	174
	Butte	206
	Colusa	114
	Contra Costa	1,308
	Del Norte	1,524
	El Dorado	<1
	Fresno	11,465

Active Ingredient	County	Pounds Applied
	Glenn	20
	Imperial	7,314
	Kern	7,630
	Kings	4,484
	Madera	35
	Merced	2,307
	Monterey	14,746
	Riverside	4,608
	Sacramento	1,305
	San Benito	19
	San Joaquin	14,250
	San Luis Obispo	1,068
	San Mateo	10
	Santa Clara	21
	Santa Cruz	8
	Siskiyou	52
	Solano	671
	Stanislaus	1,574
	Sutter	240
	Tulare	3,621
	Yolo	3,151
	Yuba	96
	Total	82,021

Chloropicrin	Butte	937
	Del Norte	5,951
	Fresno	370,611
	Glenn	15,632
	Humboldt	167
	Imperial	103,241
	Kern	128,076
	Kings	559
	Lassen	49,571
	Los Angeles	22,931
	Madera	353
	Merced	70,803
	Monterey	1,186,906
	Orange	281,079
	Riverside	98,668
	Sacramento	4,004
	San Benito	35,187
	San Bernardino	3,659
	San Diego	201,829
	San Joaquin	91,928
	San Luis Obispo	72,740
	San Mateo	1,151
	Santa Barbara	325,566
	Santa Clara	11,946
	Santa Cruz	452,908
	Shasta	34,794

Active Ingredient	County	Pounds Applied
	Siskiyou	148,368
	Solano	1,394
	Sonoma	1
	Stanislaus	9,861
	Sutter	17,849
	Tehama	19,808
	Tulare	8,431
	Ventura	901,732
	Yolo	232
	Yuba	619
	Total	4,679,492

Chlorothalonil	Alameda	1,272
	Amador	36
	Butte	905
	Calaveras	255
	Colusa	13,324
	Contra Costa	4,157
	Del Norte	11,189
	El Dorado	29
	Fresno	91,822
	Glenn	3,961
	Humboldt	1,142
	Imperial	24,319
	Kern	68,851
	Kings	16,192
	Los Angeles	14,384
	Madera	17,164
	Marin	582
	Mariposa	4
	Mendocino	47
	Merced	29,521
	Modoc	14,286
	Mono	108
	Monterey	13,642
	Napa	431
	Nevada	208
	Orange	29,796
	Placer	810
	Plumas	79
	Riverside	7,921
	Sacramento	6,194
	San Benito	7,836
	San Bernardino	1,889
	San Diego	49,646
	San Francisco	230
	San Joaquin	29,197
	San Luis Obispo	7,190
	San Mateo	3,654
	Santa Barbara	17,300

Active Ingredient	County	Pounds Applied
	Santa Clara	6,854
	Santa Cruz	3,379
	Shasta	843
	Siskiyou	10,680
	Solano	6,998
	Sonoma	567
	Stanislaus	16,868
	Sutter	11,809
	Tehama	75
	Tulare	7,385
	Ventura	64,433
	Yolo	13,028
	Yuba	56
	Total	632,547
Chlorsulfuron	Alameda	171
	Alpine	<1
	Amador	11
	Butte	12
	Calaveras	15
	Colusa	84
	Contra Costa	12
	Del Norte	9
	El Dorado	7
	Fresno	54
	Glenn	8
	Humboldt	5
	Inyo	<1
	Kern	24
	Kings	36
	Lake	32
	Lassen	14
	Los Angeles	200
	Madera	20
	Marin	<1
	Mariposa	<1
	Mendocino	<1
	Merced	25
	Modoc	8
	Mono	<1
	Monterey	23
	Napa	7
	Nevada	4
	Orange	97
	Placer	9
	Plumas	1
	Riverside	60
	Sacramento	13
	San Benito	3
	San Bernardino	48

Active Ingredient	County	Pounds Applied
	San Diego	347
	San Joaquin	154
	San Luis Obispo	93
	San Mateo	<1
	Santa Barbara	25
	Santa Clara	31
	Santa Cruz	<1
	Shasta	30
	Sierra	<1
	Siskiyou	23
	Solano	54
	Sonoma	53
	Stanislaus	13
	Sutter	1
	Tehama	12
	Tulare	275
	Tuolumne	27
	Ventura	1
	Yolo	19
	Yuba	13
	Total	2,190
Clethodim	Alameda	<1
	Butte	6
	Colusa	92
	Contra Costa	5
	El Dorado	<1
	Fresno	2,326
	Glenn	564
	Imperial	3,898
	Inyo	9
	Kern	1,299
	Kings	3,430
	Lassen	165
	Los Angeles	197
	Madera	1,224
	Merced	2,179
	Modoc	37
	Monterey	2
	Orange	1
	Placer	<1
	Riverside	2,200
	Sacramento	191
	San Bernardino	40
	San Diego	12
	San Francisco	1
	San Joaquin	927
	San Luis Obispo	4
	Santa Barbara	26
	Santa Cruz	1

Active Ingredient	County	Pounds Applied
	Shasta	<1
	Siskiyou	50
	Solano	73
	Stanislaus	325
	Sutter	55
	Tehama	112
	Tulare	1,405
	Ventura	3
	Yolo	248
	Yuba	6
		Total
Clomazone	Butte	120
	Glenn	431
	Total	550
Clopyralid	Butte	<1
	El Dorado	<1
	Los Angeles	3
	Napa	11
	Sacramento	<1
	Santa Clara	<1
	Total	15
Cycloate	Fresno	2,016
	Imperial	6,260
	Kern	38
	Los Angeles	377
	Merced	2,966
	Monterey	11,609
	Riverside	1,867
	Sacramento	16
	San Benito	2,488
	San Joaquin	64
	San Luis Obispo	965
	San Mateo	12
	Santa Barbara	1,578
	Santa Clara	1,087
	Santa Cruz	250
	Sonoma	16
	Stanislaus	241
Ventura	2,517	
	Total	34,368
Cyprodinil	Amador	35
	Butte	4,939
	Calaveras	32
	Colusa	3,035
	Contra Costa	6
	El Dorado	37

Active Ingredient	County	Pounds Applied
	Fresno	7,072
	Glenn	5,813
	Humboldt	<1
	Imperial	2
	Kern	21,659
	Kings	578
	Lake	408
	Los Angeles	15
	Madera	5,482
	Mendocino	449
	Merced	7,577
	Monterey	3,903
	Napa	1,523
	Nevada	<1
	Orange	884
	Placer	14
	Riverside	17
	Sacramento	754
	San Benito	51
	San Bernardino	3
	San Joaquin	1,878
	San Luis Obispo	3,081
	San Mateo	3
	Santa Barbara	3,600
	Santa Clara	49
	Santa Cruz	164
	Shasta	18
	Solano	167
	Sonoma	2,811
	Stanislaus	7,527
	Sutter	3,574
	Tehama	1,017
	Tulare	12,949
	Ventura	2,949
	Yolo	937
	Yuba	2,152
	Total	107,166
Cyromazine	Del Norte	<1
	Fresno	614
	Kern	8
	Los Angeles	8
	Madera	2
	Merced	153
	Monterey	11,381
	Orange	28
	Riverside	20
	San Benito	170
	San Bernardino	1,097
	San Diego	76

Active Ingredient	County	Pounds Applied
	San Joaquin	106
	San Luis Obispo	81
	San Mateo	18
	Santa Barbara	118
	Santa Clara	214
	Santa Cruz	89
	Solano	<1
	Sonoma	<1
	Stanislaus	164
	Ventura	1,066
	Yolo	<1
	Total	15,413
Dazomet	Alameda	22
	Del Norte	347
	El Dorado	7
	Kern	20
	Kings	1,434
	Los Angeles	12,501
	Monterey	201
	Orange	368
	Riverside	7,344
	San Bernardino	19,072
	San Diego	740
	San Joaquin	347
	Santa Barbara	299
	Santa Clara	332
	Santa Cruz	30
Tulare	2,189	
Ventura	16	
	Total	45,268
Diazinon	Alameda	5,555
	Alpine	11
	Amador	96
	Butte	15,261
	Calaveras	1,036
	Colusa	1,832
	Contra Costa	10,640
	Del Norte	41
	El Dorado	1,579
	Fresno	58,639
	Glenn	15,290
	Humboldt	57
	Imperial	44,938
	Inyo	<1
	Kern	37,253
	Kings	4,873
Lake	94	
Lassen	111	

Active Ingredient	County	Pounds Applied
	Los Angeles	26,215
	Madera	16,495
	Marin	213
	Mariposa	58
	Mendocino	39
	Merced	13,859
	Modoc	7
	Mono	<1
	Monterey	143,446
	Napa	133
	Nevada	342
	Orange	11,187
	Placer	3,802
	Plumas	87
	Riverside	14,756
	Sacramento	11,442
	San Benito	17,955
	San Bernardino	4,219
	San Diego	36,802
	San Francisco	115
	San Joaquin	16,380
	San Luis Obispo	9,448
	San Mateo	3,524
	Santa Barbara	5,059
	Santa Clara	30,909
	Santa Cruz	9,123
	Shasta	734
	Sierra	28
	Siskiyou	1
	Solano	2,266
	Sonoma	2,353
	Stanislaus	25,508
	Sutter	29,940
	Tehama	4,776
	Trinity	1
	Tulare	30,264
	Tuolumne	1,614
	Ventura	8,805
	Yolo	4,206
	Yuba	8,887
	Total	692,306
Dicamba	Alameda	11
	Butte	1
	Calaveras	<1
	Colusa	<1
	Contra Costa	24
	El Dorado	<1
	Fresno	2
	Glenn	<1

Active Ingredient	County	Pounds Applied
	Humboldt	<1
	Kern	<1
	Lassen	<1
	Los Angeles	15
	Madera	2
	Marin	<1
	Mendocino	<1
	Merced	<1
	Monterey	<1
	Napa	1
	Nevada	<1
	Orange	5
	Placer	3
	Riverside	6
	Sacramento	4
	San Benito	<1
	San Bernardino	10
	San Diego	2
	San Francisco	6
	San Joaquin	<1
	San Luis Obispo	2
	San Mateo	5
	Santa Barbara	8
	Santa Clara	10
	Santa Cruz	1
	Shasta	<1
	Siskiyou	<1
	Solano	9
	Sonoma	10
	Stanislaus	1
	Sutter	2
	Tehama	<1
	Tuolumne	<1
	Yolo	<1
	Yuba	<1
	Total	145
Dicamba, dimethylamine salt	Alameda	205
	Amador	33
	Butte	25
	Calaveras	14
	Colusa	33
	Contra Costa	85
	El Dorado	16
	Fresno	2,413
	Glenn	414
	Humboldt	30
	Inyo	<1
	Kern	883
	Kings	3,275

Active Ingredient	County	Pounds Applied
	Lake	<1
	Lassen	22
	Los Angeles	310
	Madera	675
	Marin	3
	Mendocino	<1
	Merced	799
	Modoc	1,110
	Mono	2
	Monterey	930
	Napa	<1
	Nevada	<1
	Orange	325
	Placer	41
	Plumas	2
	Riverside	511
	Sacramento	220
	San Benito	5
	San Bernardino	200
	San Diego	238
	San Francisco	4
	San Joaquin	464
	San Luis Obispo	666
	San Mateo	73
	Santa Barbara	119
	Santa Clara	183
	Santa Cruz	<1
	Shasta	110
	Sierra	1
	Siskiyou	1,583
	Solano	738
	Sonoma	17
	Stanislaus	458
	Sutter	67
	Tehama	144
	Tulare	10,489
	Tuolumne	5
	Ventura	131
	Yolo	417
	Yuba	<1
	Total	28,489
Dichlobenil	Alameda	42
	Contra Costa	5
	El Dorado	3
	Fresno	3
	Kern	84
	Los Angeles	828
	Madera	1
	Merced	14

Active Ingredient	County	Pounds Applied
	Monterey	<1
	Orange	17
	Placer	8
	Riverside	9
	Sacramento	2,755
	San Bernardino	15
	San Diego	154
	San Joaquin	19
	San Luis Obispo	10
	Santa Clara	13
	Santa Cruz	4
	Solano	12
	Sonoma	18
	Stanislaus	47
	Tulare	<1
	Ventura	20
	Yolo	<1
	Total	4,083
Dicloran	Alameda	<1
	Colusa	1,227
	Del Norte	29
	El Dorado	<1
	Fresno	1,968
	Humboldt	3
	Imperial	319
	Kern	1,887
	Kings	123
	Madera	393
	Mendocino	45
	Merced	20
	Monterey	36,220
	Orange	1,006
	San Benito	1,834
	San Luis Obispo	836
	Santa Barbara	4,223
	Santa Clara	513
	Santa Cruz	1,896
	Sonoma	234
	Stanislaus	381
	Tulare	2,491
	Ventura	37,835
	Total	93,484
Difenzoquat methyl sulfate	Kings	66
	Modoc	1,430
	Siskiyou	2,984
	Sonoma	457
	Tulare	125
	Yolo	331

Active Ingredient	County	Pounds Applied	
		Total	5,394
Diflufenzopyr, sodium salt	Alameda		<1
	Fresno		<1
	Kern		12
	Kings		6
	Riverside		4
	Tulare		4
	Total		27
Dimethipin	Fresno		100
	Kern		103
	Kings		107
	Riverside		16
	Tulare		315
Total		641	
Dimethoate	Alameda		15
	Butte		50
	Colusa		1,344
	Contra Costa		687
	Del Norte		102
	El Dorado		<1
	Fresno		17,527
	Glenn		1,024
	Imperial		65,215
	Kern		38,026
	Kings		9,256
	Lake		8
	Lassen		2,792
	Los Angeles		533
	Madera		3,594
	Mendocino		534
	Merced		12,320
	Modoc		1,581
	Monterey		39,555
	Napa		183
	Orange		637
	Placer		1
	Riverside		25,795
	Sacramento		1,465
	San Benito		2,336
	San Bernardino		838
	San Diego		473
San Joaquin		18,267	
San Luis Obispo		3,958	
San Mateo		479	
Santa Barbara		15,973	
Santa Clara		762	
Santa Cruz		2,148	

Active Ingredient	County	Pounds Applied
	Siskiyou	498
	Solano	5,084
	Sonoma	631
	Stanislaus	18,632
	Sutter	5,524
	Tehama	121
	Tulare	28,028
	Tuolumne	54
	Ventura	1,909
	Yolo	5,153
	Yuba	12
	Total	333,126
Dimethomorph	Kern	22
	Merced	46
	Monterey	23
	San Benito	39
	San Joaquin	4
	Santa Barbara	44
	Stanislaus	28
	Total	204
Diquat dibromide	Alameda	656
	Amador	104
	Butte	79
	Calaveras	97
	Contra Costa	3,574
	Del Norte	47
	El Dorado	177
	Fresno	5,013
	Glenn	2,365
	Humboldt	8
	Imperial	5,172
	Inyo	10
	Kern	4,989
	Kings	888
	Lake	1,109
	Lassen	52
	Los Angeles	4,058
	Madera	206
	Marin	611
	Mariposa	54
	Mendocino	69
	Merced	129
	Modoc	634
	Monterey	2,303
	Napa	505
	Nevada	1,473
	Orange	3,532
	Placer	170

Active Ingredient	County	Pounds Applied
	Riverside	5,963
	Sacramento	1,213
	San Benito	93
	San Bernardino	1,348
	San Diego	2,287
	San Francisco	25
	San Joaquin	3,568
	San Luis Obispo	1,008
	San Mateo	1,941
	Santa Barbara	1,996
	Santa Clara	418
	Santa Cruz	498
	Shasta	54
	Siskiyou	751
	Solano	113
	Sonoma	214
	Stanislaus	289
	Sutter	173
	Tehama	29
	Tulare	958
	Tuolumne	59
	Ventura	1,036
	Yolo	539
	Yuba	<1
	Total	62,657
Disulfoton	Alameda	<1
	Butte	<1
	Calaveras	<1
	Colusa	9
	Contra Costa	<1
	Del Norte	3,376
	El Dorado	<1
	Fresno	1,015
	Glenn	<1
	Imperial	4,722
	Inyo	<1
	Kern	753
	Kings	517
	Los Angeles	4
	Merced	162
	Modoc	4,739
	Monterey	11,016
	Orange	102
	Placer	<1
	Riverside	1,233
	Sacramento	1,217
	San Benito	1,480
	San Bernardino	<1
	San Diego	3

Active Ingredient	County	Pounds Applied
	San Francisco	<1
	San Joaquin	13,874
	San Luis Obispo	861
	San Mateo	20
	Santa Barbara	230
	Santa Clara	2,296
	Santa Cruz	508
	Shasta	<1
	Siskiyou	2,633
	Solano	185
	Sonoma	1
	Stanislaus	97
	Sutter	353
	Tulare	240
	Ventura	2,894
	Yolo	40
	Total	54,582
Dithiopyr	Alameda	12
	Amador	2
	Butte	37
	Calaveras	3
	Colusa	<1
	Contra Costa	179
	El Dorado	80
	Fresno	224
	Glenn	<1
	Kern	216
	Kings	17
	Los Angeles	126
	Madera	25
	Marin	58
	Merced	<1
	Monterey	22
	Napa	59
	Nevada	16
	Orange	114
	Placer	246
	Riverside	177
	Sacramento	204
	San Benito	6
	San Bernardino	64
	San Diego	352
	San Joaquin	25
	San Luis Obispo	8
	San Mateo	78
	Santa Barbara	23
	Santa Clara	211
	Santa Cruz	47
	Shasta	24

Active Ingredient	County	Pounds Applied
	Solano	89
	Sonoma	58
	Stanislaus	25
	Sutter	32
	Tehama	<1
	Tulare	17
	Tuolumne	66
	Ventura	56
	Yolo	34
	Total	3,033
Diuron	Alameda	13,162
	Alpine	115
	Amador	5,468
	Butte	16,546
	Calaveras	8,002
	Colusa	6,824
	Contra Costa	15,250
	Del Norte	2,123
	El Dorado	2,035
	Fresno	122,819
	Glenn	11,731
	Humboldt	362
	Imperial	11,365
	Kern	113,731
	Kings	80,028
	Lake	3,525
	Lassen	2,501
	Los Angeles	74,635
	Madera	49,763
	Marin	639
	Mariposa	449
	Mendocino	800
	Merced	64,841
	Modoc	189
	Monterey	7,760
	Napa	4,207
	Nevada	1,487
	Orange	9,129
	Placer	11,121
	Plumas	3,656
	Riverside	32,027
	Sacramento	38,116
	San Benito	3,670
	San Bernardino	64,727
	San Diego	17,874
	San Francisco	812
	San Joaquin	76,201
	San Luis Obispo	7,762
	San Mateo	2,461

Active Ingredient	County	Pounds Applied
	Santa Barbara	12,134
	Santa Clara	9,776
	Santa Cruz	388
	Shasta	6,319
	Sierra	66
	Siskiyou	4,409
	Solano	29,310
	Sonoma	5,601
	Stanislaus	39,300
	Sutter	8,821
	Tehama	15,799
	Tulare	224,191
	Tuolumne	5,699
	Ventura	18,790
	Yolo	27,858
	Yuba	8,556
	Total	1,304,925
Dodine	Lake	2,166
	Mendocino	2,612
	Sacramento	53
	Ventura	19
	Total	4,850
Dsma	Los Angeles	79
	Napa	<1
	Orange	9
	San Diego	<1
	San Mateo	<1
	Total	89
Endothall, dipotassium salt	Alameda	114
	Calaveras	10
	Contra Costa	154
	Fresno	42
	Kern	260
	Lake	26
	Los Angeles	887
	Madera	48
	Marin	55
	Mendocino	38
	Napa	6
	Nevada	691
	Orange	68
	Placer	4
	Riverside	132
	Sacramento	19
	San Diego	237
	San Joaquin	19
	San Luis Obispo	37

Active Ingredient	County	Pounds Applied
	Santa Clara	<1
	Shasta	124
	Solano	228
	Sonoma	79
	Stanislaus	3
	Tehama	669
	Tulare	95
	Tuolumne	76
	Total	4,124
Eptc	Alameda	<1
	Butte	1,222
	Colusa	2,050
	Fresno	4,513
	Glenn	2,107
	Imperial	56,575
	Kern	34,211
	Kings	49,078
	Los Angeles	3,736
	Madera	1,791
	Merced	17,759
	Mono	139
	Monterey	3,920
	Riverside	15,187
	Sacramento	8,732
	San Joaquin	14,492
	San Luis Obispo	409
	Santa Barbara	6,101
	Santa Clara	463
	Santa Cruz	31
	Siskiyou	348
	Solano	1,690
	Stanislaus	6,593
	Sutter	1,406
	Tehama	49
	Tulare	19,807
	Ventura	297
	Yolo	1,182
	Total	253,887
Ethofumesate	Alameda	187
	Contra Costa	249
	Fresno	765
	Glenn	99
	Imperial	347
	Kern	30
	Kings	217
	Los Angeles	54
	Madera	348
	Marin	197

Active Ingredient	County	Pounds Applied
	Merced	1,302
	Monterey	451
	Napa	30
	Nevada	2
	Orange	4
	Placer	116
	Plumas	<1
	Riverside	1,499
	Sacramento	1
	San Benito	157
	San Bernardino	330
	San Diego	62
	San Joaquin	417
	San Luis Obispo	<1
	San Mateo	131
	Santa Barbara	2
	Santa Clara	828
	Shasta	128
	Sonoma	163
	Stanislaus	<1
	Tulare	2,744
	Ventura	98
	Total	10,959
Ethoprop	Del Norte	1,744
	Kern	2,891
	Los Angeles	24
	Mendocino	72
	Monterey	107
	San Benito	203
	San Diego	<1
	San Joaquin	7,987
	San Luis Obispo	1,145
	Santa Barbara	1,663
	Santa Clara	470
	Stanislaus	238
	Ventura	28
	Total	16,572
Fenamiphos	Alameda	1,180
	Contra Costa	4
	Fresno	9,790
	Kern	20,967
	Kings	121
	Los Angeles	107
	Madera	9,925
	Mendocino	594
	Merced	128
	Monterey	7,523
	Napa	369

Active Ingredient	County	Pounds Applied
	Riverside	463
	Sacramento	208
	San Benito	87
	San Francisco	190
	San Joaquin	4,987
	San Luis Obispo	1,257
	San Mateo	159
	Santa Barbara	594
	Santa Clara	175
	Santa Cruz	63
	Shasta	15
	Sonoma	32
	Stanislaus	874
	Tulare	9,575
	Ventura	1,233
	Yolo	321
	Total	70,939
Fenarimol	Alameda	12
	Amador	40
	Calaveras	3
	Colusa	9
	Contra Costa	13
	Del Norte	11
	El Dorado	20
	Fresno	2,272
	Humboldt	4
	Imperial	<1
	Kern	118
	Kings	66
	Lake	64
	Los Angeles	54
	Madera	767
	Marin	<1
	Mariposa	<1
	Mendocino	149
	Merced	26
	Monterey	639
	Napa	285
	Nevada	10
	Orange	3
	Placer	9
	Riverside	39
	Sacramento	116
	San Benito	9
	San Diego	18
	San Joaquin	206
	San Luis Obispo	51
	San Mateo	30
	Santa Barbara	172

Active Ingredient	County	Pounds Applied
	Santa Clara	33
	Santa Cruz	79
	Solano	33
	Sonoma	207
	Stanislaus	20
	Sutter	26
	Tulare	167
	Tuolumne	<1
	Ventura	11
	Yolo	127
	Yuba	14
	Total	5,932
Fenhexamid	Butte	<1
	Calaveras	17
	Colusa	13
	Contra Costa	17
	Del Norte	<1
	Fresno	357
	Humboldt	2
	Imperial	15
	Kern	1,149
	Lake	18
	Los Angeles	27
	Madera	205
	Mendocino	593
	Merced	155
	Monterey	12,832
	Napa	1,189
	Nevada	1
	Orange	2,067
	Riverside	251
	Sacramento	236
	San Benito	102
	San Bernardino	21
	San Diego	1,192
	San Joaquin	1,079
	San Luis Obispo	1,753
	San Mateo	142
	Santa Barbara	5,671
	Santa Clara	101
	Santa Cruz	3,423
	Solano	13
	Sonoma	4,485
	Stanislaus	7
	Tulare	993
	Ventura	12,307
	Yolo	227
	Total	50,663

Active Ingredient	County	Pounds Applied
Fenoxycarb	Butte	<1
	Fresno	<1
	Los Angeles	8
	Orange	17
	Riverside	26
	Sacramento	<1
	San Diego	<1
	Santa Barbara	<1
	Santa Clara	<1
	Shasta	2
	Ventura	<1
	Total	53
Fipronil	Alameda	276
	Amador	<1
	Butte	449
	Calaveras	<1
	Colusa	10
	Contra Costa	174
	Del Norte	<1
	El Dorado	126
	Fresno	294
	Glenn	3
	Humboldt	<1
	Imperial	127
	Inyo	<1
	Kern	129
	Kings	29
	Lake	1
	Lassen	86
	Los Angeles	7,256
	Madera	57
	Marin	118
	Mariposa	19
	Mendocino	<1
	Merced	52
	Modoc	<1
	Mono	<1
	Monterey	62
	Napa	52
	Nevada	14
	Orange	1,451
	Placer	101
	Plumas	<1
	Riverside	207
Sacramento	1,299	
San Benito	5	
San Bernardino	95	
San Diego	155	
San Francisco	83	

Active Ingredient	County	Pounds Applied
	San Joaquin	374
	San Luis Obispo	51
	San Mateo	196
	Santa Barbara	54
	Santa Clara	252
	Santa Cruz	20
	Shasta	316
	Siskiyou	5
	Solano	117
	Sonoma	70
	Stanislaus	20
	Sutter	436
	Tehama	13
	Trinity	<1
	Tulare	89
	Tuolumne	<1
	Ventura	92
	Yolo	65
	Yuba	117
	Total	15,017
Fluazifop-butyl	Alameda	<1
	Kern	2
	Los Angeles	43
	Merced	3
	Orange	108
	San Diego	<1
	San Luis Obispo	<1
	Santa Barbara	<1
	Santa Clara	<1
	Shasta	1
	Solano	<1
	Stanislaus	6
	Tehama	<1
	Total	166
Fludioxonil	Alameda	<1
	Amador	<1
	Butte	11
	Colusa	12
	Contra Costa	5
	Fresno	695
	Glenn	5
	Humboldt	<1
	Imperial	2
	Kern	238
	Kings	109
	Los Angeles	21
	Madera	10
	Marin	2

Active Ingredient	County	Pounds Applied
	Monterey	283
	Napa	4
	Orange	594
	Placer	2
	Riverside	4
	Sacramento	20
	San Bernardino	2
	San Diego	20
	San Joaquin	11
	San Luis Obispo	18
	San Mateo	8
	Santa Barbara	198
	Santa Clara	<1
	Santa Cruz	70
	Sonoma	5
	Stanislaus	5
	Sutter	35
	Tulare	665
	Ventura	1,983
	Total	5,037
Flutolanil	Alameda	287
	Butte	205
	Calaveras	85
	Contra Costa	235
	El Dorado	28
	Fresno	66
	Glenn	1
	Kern	149
	Kings	22
	Los Angeles	962
	Madera	11
	Marin	465
	Merced	4
	Monterey	286
	Napa	79
	Orange	1,195
	Placer	296
	Riverside	1,519
	Sacramento	250
	San Benito	44
	San Bernardino	196
	San Diego	1,246
	San Francisco	13
	San Joaquin	209
	San Luis Obispo	95
	San Mateo	110
	Santa Barbara	125
	Santa Clara	450
	Santa Cruz	50

Active Ingredient	County	Pounds Applied
	Solano	460
	Sonoma	477
	Stanislaus	60
	Tulare	3
	Tuolumne	7
	Ventura	186
	Yolo	70
	Yuba	14
	Total	9,957
Formetanate hydrochloride	Butte	48
	Contra Costa	25
	El Dorado	6
	Fresno	12,846
	Imperial	1,526
	Kern	5,739
	Kings	1,730
	Los Angeles	237
	Madera	484
	Merced	216
	Placer	<1
	Riverside	14
	Sacramento	54
	San Benito	21
	San Bernardino	<1
	San Joaquin	374
	San Luis Obispo	317
	Santa Clara	<1
	Solano	<1
	Stanislaus	316
	Tulare	16,483
	Yolo	3
	Yuba	3
	Total	40,444
Fosetyl-al	Alameda	530
	Butte	51
	Calaveras	69
	Colusa	1,303
	Contra Costa	400
	El Dorado	11
	Fresno	8,613
	Glenn	312
	Imperial	2,162
	Kern	1,288
	Kings	511
	Lassen	563
	Los Angeles	2,355
	Madera	223
	Marin	299

Active Ingredient	County	Pounds Applied
	Mendocino	12
	Merced	1,444
	Monterey	146,034
	Napa	36
	Nevada	3
	Orange	3,139
	Placer	535
	Riverside	1,202
	Sacramento	2,124
	San Benito	14,490
	San Bernardino	2,355
	San Diego	3,614
	San Francisco	29
	San Joaquin	3,988
	San Luis Obispo	2,080
	San Mateo	2,457
	Santa Barbara	5,046
	Santa Clara	1,769
	Santa Cruz	7,459
	Shasta	27,767
	Siskiyou	3,624
	Solano	1,908
	Sonoma	194
	Stanislaus	3,310
	Sutter	435
	Tehama	16
	Tulare	4,489
	Tuolumne	26
	Ventura	38,903
	Yolo	966
	Yuba	2
	Total	298,150
Glufosinate-ammonium	Alameda	<1
	Fresno	268
	Kern	559
	Kings	41
	Los Angeles	26
	Madera	301
	Merced	569
	Monterey	4,219
	Napa	3
	Orange	2
	Placer	10
	Riverside	2
	Sacramento	22
	San Benito	2
	San Bernardino	<1
	San Diego	<1
	San Joaquin	211

Active Ingredient	County	Pounds Applied
	San Luis Obispo	261
	San Mateo	<1
	Santa Barbara	32
	Santa Clara	6
	Santa Cruz	5
	Solano	8
	Stanislaus	758
	Tulare	208
	Ventura	<1
	Yolo	8
	Total	7,522
Glyphosate, isopropylamine salt	Alameda	32,588
	Alpine	3
	Amador	4,940
	Butte	147,491
	Calaveras	7,892
	Colusa	79,237
	Contra Costa	84,741
	Del Norte	1,377
	El Dorado	9,596
	Fresno	1,076,671
	Glenn	111,052
	Humboldt	3,596
	Imperial	164,327
	Inyo	576
	Kern	452,030
	Kings	173,376
	Lake	15,544
	Lassen	665
	Los Angeles	377,863
	Madera	256,169
	Marin	4,052
	Mariposa	2,104
	Mendocino	18,499
	Merced	297,512
	Modoc	1,721
	Mono	215
	Monterey	121,384
	Napa	52,681
	Nevada	6,664
	Orange	131,410
	Placer	18,811
	Plumas	3,152
	Riverside	123,377
	Sacramento	85,688
	San Benito	18,011
	San Bernardino	34,793
	San Diego	85,337
	San Francisco	5,871

Active Ingredient	County	Pounds Applied
	San Joaquin	217,096
	San Luis Obispo	61,597
	San Mateo	10,009
	Santa Barbara	78,046
	Santa Clara	38,273
	Santa Cruz	7,490
	Shasta	30,232
	Sierra	417
	Siskiyou	8,093
	Solano	45,639
	Sonoma	75,389
	Stanislaus	216,697
	Sutter	69,821
	Tehama	52,570
	Trinity	4,219
	Tulare	482,997
	Tuolumne	33,791
	Ventura	114,371
	Yolo	75,607
	Yuba	17,748
	Total	5,651,116

Glyphosate-trimesium	Amador	362
	Butte	2,101
	Calaveras	<1
	Colusa	16,508
	Contra Costa	312
	Fresno	17,842
	Glenn	21,995
	Imperial	195
	Kern	10,546
	Kings	1,672
	Los Angeles	14
	Madera	4,799
	Mendocino	127
	Merced	5,360
	Monterey	307
	Napa	437
	Nevada	127
	Placer	88
	Sacramento	7,282
	San Bernardino	33
	San Diego	183
	San Joaquin	1,493
	San Luis Obispo	22
	San Mateo	6
	Santa Barbara	34
	Solano	3,880
	Sonoma	48
	Stanislaus	7,293

Active Ingredient	County	Pounds Applied
	Sutter	9,788
	Tehama	132
	Tulare	5,547
	Ventura	3,688
	Yolo	22,927
	Yuba	2,254
	Total	147,402
Halosulfuron	Alameda	<1
	Amador	<1
	Butte	9
	Calaveras	<1
	Colusa	<1
	Contra Costa	2
	El Dorado	4
	Fresno	31
	Glenn	25
	Imperial	18
	Inyo	<1
	Kern	163
	Kings	197
	Los Angeles	520
	Madera	36
	Merced	138
	Monterey	8
	Nevada	<1
	Orange	8
	Placer	11
	Riverside	1,058
	Sacramento	1,406
	San Benito	<1
	San Bernardino	7
	San Diego	16
	San Joaquin	41
	San Luis Obispo	9
	San Mateo	8
	Santa Barbara	89
	Santa Clara	25
	Shasta	9
	Solano	6
	Sonoma	<1
	Stanislaus	438
	Sutter	6
	Tehama	<1
	Tulare	390
	Tuolumne	<1
	Ventura	38
	Yolo	18
	Total	4,740

Active Ingredient	County	Pounds Applied
Hexazinone	Alameda	328
	Amador	1,944
	Butte	333
	Calaveras	1,503
	Colusa	960
	Contra Costa	627
	El Dorado	3,559
	Fresno	3,544
	Glenn	2,522
	Kern	428
	Kings	1,227
	Lake	300
	Lassen	15,454
	Los Angeles	350
	Madera	2,673
	Mariposa	5
	Merced	7,869
	Modoc	3,093
	Monterey	23
	Placer	1,479
	Plumas	3,638
	Riverside	195
	Sacramento	1,134
	San Benito	150
	San Bernardino	994
	San Joaquin	10,514
	San Luis Obispo	865
	Santa Barbara	394
	Santa Clara	64
	Shasta	6,836
	Siskiyou	7,690
	Solano	4,048
	Stanislaus	3,508
	Sutter	265
Tehama	1,743	
Tulare	3,676	
Tuolumne	985	
Yolo	8,562	
Yuba	215	
	Total	103,698
Imazamox, ammonium salt	Butte	2
	Contra Costa	10
	Fresno	46
	Glenn	20
	Imperial	836
	Kern	92
	Kings	82
	Merced	114
	Riverside	113

Active Ingredient	County	Pounds Applied
	Sacramento	20
	San Bernardino	19
	San Joaquin	18
	San Luis Obispo	8
	Shasta	2
	Solano	58
	Stanislaus	20
	Sutter	2
	Tehama	2
	Tulare	82
	Yolo	8
	Total	1,552
Imazethapyr	Alameda	39
	Amador	8
	Colusa	40
	Contra Costa	30
	Fresno	658
	Glenn	114
	Imperial	1,501
	Inyo	2
	Kern	491
	Kings	1,506
	Lassen	10
	Los Angeles	144
	Madera	492
	Merced	855
	Modoc	6
	Monterey	2
	Riverside	414
	Sacramento	70
	San Bernardino	21
	San Diego	<1
	San Joaquin	837
	San Luis Obispo	15
	Santa Barbara	8
	Santa Clara	4
	Shasta	11
	Sierra	10
	Siskiyou	26
	Solano	121
	Stanislaus	225
	Sutter	33
	Tehama	47
	Tulare	1,086
	Ventura	8
	Yolo	407
	Total	9,241
Imidacloprid	Alameda	1,157

Active Ingredient	County	Pounds Applied
	Alpine	<1
	Amador	28
	Butte	473
	Calaveras	162
	Colusa	512
	Contra Costa	1,530
	Del Norte	12
	El Dorado	1,425
	Fresno	9,578
	Glenn	183
	Humboldt	4
	Imperial	11,126
	Inyo	4
	Kern	11,608
	Kings	3,819
	Lake	60
	Lassen	73
	Los Angeles	108,088
	Madera	1,423
	Marin	82
	Mariposa	1
	Mendocino	326
	Merced	1,042
	Modoc	19
	Mono	3
	Monterey	15,287
	Napa	818
	Nevada	106
	Orange	8,893
	Placer	285
	Plumas	15
	Riverside	5,052
	Sacramento	1,893
	San Benito	1,216
	San Bernardino	1,051
	San Diego	1,754
	San Francisco	107
	San Joaquin	3,233
	San Luis Obispo	3,499
	San Mateo	302
	Santa Barbara	6,174
	Santa Clara	4,121
	Santa Cruz	1,770
	Shasta	176
	Sierra	<1
	Siskiyou	18
	Solano	423
	Sonoma	1,093
	Stanislaus	932
	Sutter	793

Active Ingredient	County	Pounds Applied
	Tehama	330
	Trinity	22
	Tulare	2,441
	Tuolumne	819
	Ventura	4,500
	Yolo	4,786
	Yuba	78
	Total	224,730
Iprodione	Alameda	375
	Amador	22
	Butte	2,015
	Calaveras	68
	Colusa	2,711
	Contra Costa	607
	Del Norte	204
	El Dorado	61
	Fresno	29,519
	Glenn	1,239
	Humboldt	68
	Imperial	1,821
	Kern	40,368
	Kings	2,517
	Lake	15
	Lassen	3
	Los Angeles	4,062
	Madera	10,064
	Marin	59
	Mendocino	12
	Merced	16,620
	Modoc	327
	Mono	4
	Monterey	52,933
	Napa	289
	Nevada	41
	Orange	2,773
	Placer	181
	Plumas	21
	Riverside	1,909
	Sacramento	557
	San Benito	1,560
	San Bernardino	137
	San Diego	6,121
	San Francisco	8
	San Joaquin	12,550
	San Luis Obispo	3,480
	San Mateo	550
	Santa Barbara	11,910
	Santa Clara	1,050
	Santa Cruz	1,478

Active Ingredient	County	Pounds Applied
	Shasta	369
	Siskiyou	494
	Solano	516
	Sonoma	489
	Stanislaus	19,779
	Sutter	2,576
	Tehama	621
	Tulare	10,413
	Tuolumne	13
	Ventura	3,716
	Yolo	679
	Yuba	1,606
	Total	251,579
Isoxaben	Alameda	1,199
	Amador	2
	Butte	71
	Calaveras	7
	Contra Costa	1,246
	El Dorado	99
	Fresno	843
	Inyo	13
	Kern	690
	Kings	123
	Lake	113
	Los Angeles	3,895
	Madera	210
	Marin	220
	Merced	149
	Monterey	50
	Napa	57
	Nevada	3
	Orange	1,221
	Placer	661
	Riverside	423
	Sacramento	1,860
	San Benito	6
	San Bernardino	282
	San Diego	3,157
	San Francisco	24
	San Joaquin	466
	San Luis Obispo	110
	San Mateo	493
	Santa Barbara	287
	Santa Clara	1,321
	Santa Cruz	105
	Shasta	1
	Siskiyou	18
	Solano	556
	Sonoma	266

Active Ingredient	County	Pounds Applied
	Stanislaus	566
	Sutter	48
	Tulare	1,153
	Tuolumne	1
	Ventura	289
	Yolo	126
	Yuba	11
	Total	22,440
Kresoxim-methyl	Alameda	681
	Amador	45
	Colusa	5
	Contra Costa	157
	Fresno	238
	Imperial	27
	Kern	1,368
	Kings	33
	Lake	14
	Madera	109
	Mariposa	<1
	Mendocino	104
	Merced	4
	Monterey	1,184
	Napa	1,009
	Riverside	177
	Sacramento	215
	San Benito	197
	San Joaquin	383
	San Luis Obispo	549
	San Mateo	<1
	Santa Barbara	163
	Santa Clara	21
	Santa Cruz	8
	Sonoma	1,141
	Stanislaus	77
Tulare	519	
Yolo	86	
Total	8,512	
Linuron	Colusa	218
	Contra Costa	1,027
	Fresno	221
	Glenn	45
	Imperial	14,210
	Kern	21,979
	Kings	184
	Los Angeles	7,647
	Madera	230
	Merced	<1
	Monterey	3,660

Active Ingredient	County	Pounds Applied
	Riverside	1,837
	San Benito	192
	San Diego	38
	San Joaquin	1,687
	San Luis Obispo	2,671
	San Mateo	9
	Santa Barbara	4,211
	Santa Cruz	159
	Sutter	45
	Ventura	2,882
	Total	63,152
Malathion	Alameda	1,301
	Amador	266
	Butte	6,365
	Calaveras	418
	Colusa	12,260
	Contra Costa	632
	El Dorado	549
	Fresno	51,900
	Glenn	25,356
	Humboldt	1
	Imperial	97,944
	Kern	40,676
	Kings	22,511
	Lake	68
	Lassen	271
	Los Angeles	3,087
	Madera	1,875
	Marin	<1
	Mariposa	18
	Merced	24,290
	Modoc	1,948
	Monterey	75,986
	Napa	271
	Nevada	15
	Orange	10,854
	Placer	416
	Riverside	41,865
	Sacramento	2,641
	San Benito	673
	San Bernardino	8,287
	San Diego	4,053
	San Francisco	38
	San Joaquin	21,982
	San Luis Obispo	19,124
	San Mateo	979
	Santa Barbara	30,726
	Santa Clara	2,938
	Santa Cruz	16,621

Active Ingredient	County	Pounds Applied
	Shasta	4,556
	Siskiyou	3,700
	Solano	2,161
	Sonoma	85
	Stanislaus	10,080
	Sutter	8,920
	Tehama	10,358
	Tulare	16,319
	Tuolumne	497
	Ventura	32,782
	Yolo	12,628
	Yuba	4,410
	Total	635,702
Mcpa, dimethylamine salt	Alameda	626
	Amador	144
	Butte	5,970
	Calaveras	75
	Colusa	8,132
	Contra Costa	1,072
	El Dorado	1,142
	Fresno	16,678
	Glenn	4,077
	Humboldt	<1
	Imperial	324
	Kern	9,754
	Kings	191,891
	Los Angeles	1,431
	Madera	4,089
	Marin	8
	Merced	18,126
	Modoc	438
	Monterey	406
	Orange	839
	Placer	1,225
	Riverside	215
	Sacramento	3,301
	San Benito	715
	San Bernardino	480
	San Diego	638
	San Francisco	51
	San Joaquin	10,834
	San Luis Obispo	506
	San Mateo	412
	Santa Clara	1,163
	Santa Cruz	<1
	Siskiyou	348
	Solano	1,768
	Sonoma	1,838
	Stanislaus	9,743

Active Ingredient	County	Pounds Applied
	Sutter	5,673
	Tehama	347
	Tulare	29,115
	Ventura	181
	Yolo	13,115
	Yuba	955
	Total	347,849
Mcpp	Alameda	30
	Butte	4
	Contra Costa	2
	Fresno	1
	Glenn	<1
	Humboldt	7
	Kern	1
	Lassen	<1
	Los Angeles	98
	Madera	9
	Marin	<1
	Mendocino	<1
	Monterey	11
	Napa	<1
	Orange	4
	Placer	<1
	Riverside	19
	Sacramento	35
	San Bernardino	59
	San Diego	8
	San Francisco	<1
	San Joaquin	<1
	San Luis Obispo	12
	San Mateo	24
	Santa Barbara	6
	Santa Clara	13
	Shasta	2
	Solano	<1
	Sonoma	88
	Sutter	8
	Tehama	<1
	Yolo	2
	Total	446
Mcpp, dimethylamine salt	Alameda	128
	Butte	95
	Calaveras	14
	Colusa	19
	Contra Costa	100
	El Dorado	14
	Fresno	307
	Glenn	62

Active Ingredient	County	Pounds Applied
	Humboldt	82
	Inyo	<1
	Kern	771
	Kings	66
	Lake	2
	Lassen	4
	Los Angeles	728
	Madera	35
	Marin	20
	Mendocino	3
	Merced	156
	Mono	8
	Monterey	2,517
	Napa	2
	Nevada	13
	Orange	1,004
	Placer	153
	Plumas	8
	Riverside	709
	Sacramento	494
	San Benito	203
	San Bernardino	288
	San Diego	221
	San Francisco	49
	San Joaquin	84
	San Luis Obispo	221
	San Mateo	82
	Santa Barbara	81
	Santa Clara	398
	Santa Cruz	2
	Shasta	7
	Siskiyou	<1
	Solano	89
	Sonoma	32
	Stanislaus	49
	Sutter	62
	Tehama	10
	Tulare	60
	Tuolumne	2
	Ventura	887
	Yolo	49
	Yuba	1
	Total	10,391
Mcpp, potassium salt	Alameda	37
	Butte	2
	Contra Costa	11
	Fresno	76
	Glenn	74
	Kern	7

Active Ingredient	County	Pounds Applied
	Los Angeles	348
	Marin	19
	Monterey	6
	Napa	7
	Orange	415
	Placer	40
	Plumas	2
	Riverside	70
	Sacramento	33
	San Benito	3
	San Bernardino	11
	San Diego	967
	San Francisco	6
	San Joaquin	203
	San Luis Obispo	6
	San Mateo	17
	Santa Barbara	316
	Santa Clara	202
	Santa Cruz	3
	Shasta	9
	Siskiyou	<1
	Solano	164
	Sonoma	137
	Stanislaus	14
	Tulare	21
	Ventura	5
	Yolo	88
	Total	3,319
Mecoprop-P	Contra Costa	<1
	Napa	<1
	Orange	3
	Riverside	<1
	Sacramento	<1
	San Bernardino	<1
	San Francisco	<1
	San Mateo	4
	Santa Clara	<1
	Solano	3
	Total	11
Mepiquat chloride	Butte	<1
	Colusa	307
	Fresno	7,533
	Glenn	39
	Imperial	193
	Kern	2,160
	Kings	2,130
	Lake	4
	Madera	432

Active Ingredient	County	Pounds Applied
	Merced	1,772
	Riverside	207
	San Benito	<1
	San Joaquin	6
	Sutter	6
	Tulare	834
	Yolo	186
	Total	15,809
Metalaxyl	Alameda	12
	Butte	5
	Calaveras	6
	Contra Costa	81
	Del Norte	74
	El Dorado	6
	Fresno	18
	Humboldt	<1
	Imperial	24
	Inyo	2
	Kern	493
	Kings	384
	Lassen	31
	Los Angeles	102
	Madera	2
	Marin	4
	Merced	42
	Monterey	126
	Napa	<1
	Nevada	3
	Orange	24
	Placer	1
	Plumas	<1
	Riverside	86
	Sacramento	3
	San Benito	<1
	San Bernardino	62
	San Diego	59
	San Francisco	<1
	San Joaquin	19
	San Luis Obispo	12
	San Mateo	22
	Santa Barbara	194
	Santa Clara	32
	Santa Cruz	46
	Solano	34
	Sonoma	33
	Stanislaus	68
	Sutter	20
	Tulare	7
	Ventura	510

Active Ingredient	County	Pounds Applied
	Yolo	1,117
	Total	3,769
Metaldehyde	Alameda	1,095
	Butte	<1
	Calaveras	<1
	Contra Costa	506
	Del Norte	20
	El Dorado	4
	Fresno	414
	Humboldt	20
	Kern	546
	Kings	4
	Lake	2
	Los Angeles	2,205
	Madera	112
	Marin	19
	Mariposa	<1
	Mendocino	<1
	Merced	12
	Monterey	4,397
	Napa	18
	Orange	5,061
	Placer	3
	Plumas	<1
	Riverside	973
	Sacramento	54
	San Benito	222
	San Bernardino	643
	San Diego	6,713
	San Francisco	13
	San Joaquin	202
	San Luis Obispo	523
	San Mateo	1,166
	Santa Barbara	1,553
	Santa Clara	1,178
	Santa Cruz	1,264
	Shasta	<1
	Sierra	<1
	Solano	547
	Sonoma	85
	Stanislaus	305
	Sutter	<1
	Tulare	3,815
	Tuolumne	<1
	Ventura	34,637
	Yolo	6
	Total	68,339
Methamidophos	Fresno	9,925

Active Ingredient	County	Pounds Applied
	Imperial	1,435
	Kern	1,319
	Kings	637
	Merced	546
	Modoc	2,608
	Monterey	604
	Orange	220
	Sacramento	334
	San Diego	1,412
	San Joaquin	1,823
	Santa Barbara	439
	Siskiyou	1,896
	Solano	1,401
	Stanislaus	23
	Sutter	1,715
	Ventura	45
	Yolo	4,264
	Total	30,645
Methidathion	Butte	1,245
	Contra Costa	390
	Fresno	8,628
	Glenn	771
	Kern	14,048
	Kings	955
	Madera	2,448
	Merced	797
	Monterey	11,903
	Riverside	455
	San Joaquin	3,489
	Santa Barbara	17
	Shasta	541
	Solano	<1
	Stanislaus	1,075
	Sutter	2,704
	Tehama	838
	Tulare	16,736
	Yolo	48
	Yuba	1,302
	Total	68,389
Methiocarb	Alameda	<1
	Contra Costa	10
	Del Norte	9
	Humboldt	2
	Kern	42
	Los Angeles	101
	Monterey	230
	Napa	<1
	Orange	323

Active Ingredient	County	Pounds Applied
	Riverside	2
	Sacramento	6
	San Benito	<1
	San Bernardino	2
	San Diego	289
	San Joaquin	3
	San Luis Obispo	46
	San Mateo	405
	Santa Barbara	100
	Santa Clara	21
	Santa Cruz	125
	Sonoma	2
	Stanislaus	1
	Ventura	134
	Total	1,853
Methomyl	Alameda	58
	Butte	457
	Calaveras	<1
	Colusa	3,822
	Contra Costa	5,988
	El Dorado	<1
	Fresno	77,085
	Glenn	2,858
	Imperial	67,640
	Kern	19,267
	Kings	7,038
	Lake	5
	Los Angeles	253
	Madera	4,653
	Marin	<1
	Mariposa	<1
	Mendocino	19
	Merced	23,372
	Modoc	83
	Monterey	42,781
	Napa	<1
	Nevada	<1
	Orange	341
	Placer	55
	Riverside	7,133
	Sacramento	2,526
	San Benito	4,226
	San Bernardino	29
	San Diego	1,084
	San Francisco	<1
	San Joaquin	13,227
	San Luis Obispo	1,348
	San Mateo	<1
	Santa Barbara	3,487

Active Ingredient	County	Pounds Applied
	Santa Clara	642
	Santa Cruz	1,887
	Shasta	7
	Solano	3,623
	Sonoma	33
	Stanislaus	5,390
	Sutter	1,517
	Tehama	397
	Tulare	10,494
	Ventura	6,355
	Yolo	3,497
	Total	322,681
Methyl isothiocyanate	Del Norte	156
	El Dorado	699
	Modoc	583
	Nevada	21
	Placer	880
	Plumas	394
	Siskiyou	779
	Total	3,512
Methyl parathion	Alameda	<1
	Butte	3,157
	Calaveras	34
	Colusa	183
	Contra Costa	1,551
	Fresno	1,491
	Glenn	35
	Imperial	12
	Kern	882
	Kings	6,502
	Los Angeles	2
	Madera	51
	Merced	555
	Monterey	5
	Orange	<1
	Sacramento	4
	San Benito	23
	San Bernardino	4
	San Diego	8
	San Joaquin	11,761
	Santa Barbara	2
	Solano	520
	Stanislaus	10,776
	Sutter	4,349
	Tehama	318
	Tulare	10,893
	Ventura	5
	Yolo	219

Active Ingredient	County	Pounds Applied
	Yuba	305
	Total	53,644
Metribuzin	Colusa	954
	Contra Costa	993
	El Dorado	1
	Fresno	464
	Glenn	483
	Imperial	997
	Kern	128
	Lassen	480
	Los Angeles	23
	Madera	82
	Merced	781
	Modoc	2,032
	Monterey	80
	Orange	3
	Placer	2
	Riverside	490
	Sacramento	709
	San Benito	1,096
	San Bernardino	43
	San Diego	56
	San Francisco	<1
	San Joaquin	2,663
	Santa Barbara	974
	Santa Clara	71
	Shasta	521
	Sierra	134
	Siskiyou	5,102
	Solano	360
	Stanislaus	1,071
	Sutter	1,147
	Tulare	1
	Ventura	13
	Yolo	4,191
	Yuba	25
	Total	26,171
Molinate	Butte	165,570
	Colusa	166,045
	Fresno	3,451
	Glenn	165,485
	Madera	600
	Merced	7,446
	Placer	30,634
	Sacramento	2,225
	San Joaquin	9,955
	Sutter	234,868
	Yolo	24,754

Active Ingredient	County	Pounds Applied
	Yuba	70,571
	Total	881,605
Misma	Alameda	186
	Amador	11
	Butte	246
	Calaveras	10
	Colusa	404
	Contra Costa	83
	El Dorado	50
	Fresno	9,576
	Glenn	218
	Humboldt	<1
	Imperial	13,851
	Kern	4,251
	Kings	8,532
	Lake	6
	Los Angeles	356
	Madera	1,195
	Marin	21
	Mariposa	1
	Mendocino	<1
	Merced	8,927
	Monterey	79
	Napa	47
	Nevada	33
	Orange	1,866
	Placer	745
	Riverside	1,796
	Sacramento	1,798
	San Benito	171
	San Bernardino	419
	San Diego	497
	San Francisco	<1
	San Joaquin	217
	San Luis Obispo	33
	San Mateo	23
	Santa Barbara	254
	Santa Clara	442
	Santa Cruz	5
	Shasta	119
	Solano	24
	Sonoma	47
	Stanislaus	473
	Sutter	994
	Tehama	<1
	Tulare	2,778
	Tuolumne	18
	Ventura	16
	Yolo	62

Active Ingredient	County	Pounds Applied
	Yuba	45
	Total	60,924
Napropamide	Alameda	49
	Amador	363
	Butte	1,447
	Calaveras	69
	Colusa	2,713
	Contra Costa	73
	Del Norte	660
	El Dorado	142
	Fresno	7,015
	Glenn	665
	Imperial	1,655
	Kern	5,930
	Kings	832
	Lake	315
	Los Angeles	116
	Madera	840
	Marin	20
	Mendocino	237
	Merced	1,704
	Monterey	4,068
	Napa	5,588
	Nevada	76
	Orange	246
	Placer	14
	Plumas	<1
	Riverside	291
	Sacramento	478
	San Benito	1,195
	San Bernardino	29
	San Diego	203
	San Joaquin	7,815
	San Luis Obispo	3,521
	San Mateo	11
	Santa Barbara	4,841
	Santa Clara	2,006
	Santa Cruz	549
Sierra	2	
Solano	2,630	
Sonoma	7,695	
Stanislaus	2,693	
Sutter	1,335	
Tehama	209	
Tulare	2,848	
Tuolumne	14	
Ventura	1,240	
Yolo	3,702	
Yuba	428	

Active Ingredient	County	Pounds Applied	
		Total	78,567
Nicosulfuron	Butte		5
	Fresno		11
	Glenn		54
	Kern		5
	Kings		39
	Madera		34
	Merced		355
	Sacramento		156
	San Joaquin		396
	Solano		6
	Stanislaus		503
	Sutter		<1
	Tehama		6
	Tulare		73
	Yolo		<1
	Total		1,643
Nitrapyrin	Fresno		27
	Santa Barbara		5
	Tulare		58
	Total		89
Norflurazon	Alameda		1,162
	Amador		110
	Butte		5,135
	Colusa		380
	Contra Costa		470
	Fresno		30,332
	Glenn		3,553
	Imperial		2,520
	Kern		14,881
	Kings		5,669
	Lake		145
	Los Angeles		3,432
	Madera		14,380
	Mendocino		422
	Merced		14,628
	Monterey		3,089
	Napa		54
	Nevada		24
	Placer		54
	Riverside		5,143
	Sacramento		1,346
	San Benito		2
	San Bernardino		8,879
San Diego		321	
San Joaquin		8,662	
San Luis Obispo		818	

Active Ingredient	County	Pounds Applied
	San Mateo	50
	Santa Barbara	106
	Santa Clara	299
	Siskiyou	585
	Solano	1,134
	Sonoma	545
	Stanislaus	17,890
	Sutter	3,655
	Tehama	1,142
	Tulare	35,516
	Tuolumne	8
	Ventura	461
	Yolo	466
	Yuba	563
	Total	188,032
Oryzalin	Alameda	965
	Amador	169
	Butte	3,438
	Calaveras	142
	Colusa	5,068
	Contra Costa	1,831
	El Dorado	431
	Fresno	17,434
	Glenn	2,153
	Humboldt	15
	Inyo	3
	Kern	44,082
	Kings	6,178
	Lake	198
	Lassen	<1
	Los Angeles	6,037
	Madera	16,601
	Marin	304
	Mariposa	7
	Mendocino	294
	Merced	2,888
	Monterey	4,168
	Napa	1,180
	Nevada	173
	Orange	2,201
	Placer	239
	Plumas	39
	Riverside	1,530
	Sacramento	4,774
	San Benito	521
	San Bernardino	1,199
	San Diego	4,276
	San Francisco	12
	San Joaquin	7,147

Active Ingredient	County	Pounds Applied
	San Luis Obispo	4,735
	San Mateo	254
	Santa Barbara	1,387
	Santa Clara	1,953
	Santa Cruz	520
	Shasta	370
	Solano	2,474
	Sonoma	3,507
	Stanislaus	2,313
	Sutter	4,191
	Tehama	723
	Tulare	16,161
	Tuolumne	315
	Ventura	1,069
	Yolo	3,479
	Yuba	738
	Total	179,887
Oxydemeton-methyl	Butte	70
	Calaveras	3
	Colusa	20
	Contra Costa	943
	Fresno	3,263
	Glenn	82
	Imperial	148
	Kern	144
	Lassen	7
	Los Angeles	173
	Madera	1
	Mariposa	16
	Merced	75
	Monterey	60,567
	Orange	147
	Riverside	50
	Sacramento	25
	San Benito	2,637
	San Bernardino	<1
	San Diego	249
	San Joaquin	318
	San Luis Obispo	6,812
	San Mateo	371
	Santa Barbara	16,216
	Santa Clara	441
	Santa Cruz	9,949
	Shasta	5
	Solano	64
	Stanislaus	210
	Sutter	40
	Tehama	<1
	Tuolumne	2

Active Ingredient	County	Pounds Applied
	Ventura	1,400
	Yolo	26
	Yuba	22
	Total	104,494
Paraquat dichloride	Alameda	514
	Amador	73
	Butte	4,921
	Calaveras	81
	Colusa	3,785
	Contra Costa	2,087
	El Dorado	46
	Fresno	189,550
	Glenn	8,894
	Imperial	2,997
	Inyo	16
	Kern	176,189
	Kings	103,923
	Lake	153
	Lassen	3,921
	Los Angeles	3,263
	Madera	56,281
	Mendocino	161
	Merced	60,536
	Modoc	1,658
	Mono	68
	Monterey	24,785
	Napa	437
	Orange	823
	Placer	16
	Plumas	89
	Riverside	10,151
	Sacramento	16,101
	San Benito	1,398
	San Bernardino	912
	San Diego	114
	San Joaquin	56,685
	San Luis Obispo	10,125
	Santa Barbara	6,892
	Santa Clara	1,181
	Santa Cruz	568
	Shasta	1,547
	Sierra	104
	Siskiyou	4,017
	Solano	9,048
	Sonoma	777
	Stanislaus	31,048
	Sutter	3,944
	Tehama	4,692
	Tulare	84,145

Active Ingredient	County	Pounds Applied
	Tuolumne	2
	Ventura	1,937
	Yolo	14,828
	Yuba	3,264
	Total	908,748
Phenmedipham	Fresno	612
	Imperial	2,422
	Kern	178
	Kings	4
	Madera	48
	Merced	132
	Monterey	33
	Orange	<1
	Riverside	1
	San Benito	21
	San Joaquin	67
	Stanislaus	792
	Tulare	2,584
Total	6,894	
Phorate	Del Norte	3,042
	Fresno	15,197
	Glenn	125
	Imperial	3,411
	Kern	6,766
	Kings	5,097
	Madera	419
	Merced	3,051
	Riverside	8,620
	Sacramento	4,670
	San Benito	128
	San Diego	824
	San Joaquin	15,651
	Santa Barbara	334
	Santa Clara	89
	Sutter	631
	Tulare	8,484
Total	76,539	
Phosmet	Butte	4,544
	Calaveras	242
	Colusa	1,072
	Contra Costa	2,009
	El Dorado	212
	Fresno	103,419
	Glenn	2,539
	Kern	112,718
	Kings	16,448
	Lake	42

Active Ingredient	County	Pounds Applied
	Los Angeles	57
	Madera	9,138
	Mendocino	367
	Merced	7,010
	Monterey	80
	Napa	7
	Nevada	11
	Orange	109
	Placer	342
	Riverside	230
	Sacramento	4,270
	San Benito	542
	San Bernardino	305
	San Diego	530
	San Joaquin	13,847
	San Luis Obispo	1,924
	Santa Barbara	1,066
	Santa Clara	11
	Santa Cruz	3,455
	Shasta	130
	Solano	289
	Sonoma	7,692
	Stanislaus	12,418
	Sutter	10,444
	Tehama	5,269
	Tulare	72,052
	Tuolumne	479
	Yolo	5,268
	Yuba	4,502
	Total	405,088
Piperalin	Alameda	<1
	Imperial	10
	Madera	<1
	Monterey	421
	Orange	13
	San Diego	249
	San Joaquin	<1
	San Luis Obispo	348
	San Mateo	11
	Santa Barbara	470
	Santa Clara	113
	Santa Cruz	851
	Solano	<1
	Sonoma	2
	Ventura	79
	Yolo	<1
	Total	2,568
Piperonyl butoxide	Alameda	328

Active Ingredient	County	Pounds Applied
	Alpine	<1
	Amador	10
	Butte	654
	Calaveras	18
	Colusa	144
	Contra Costa	409
	Del Norte	1
	El Dorado	40
	Fresno	1,779
	Glenn	197
	Humboldt	5
	Imperial	265
	Inyo	33
	Kern	890
	Kings	203
	Lake	215
	Lassen	2
	Los Angeles	3,517
	Madera	760
	Marin	49
	Mariposa	6
	Mendocino	50
	Merced	3,162
	Modoc	<1
	Mono	2
	Monterey	744
	Napa	85
	Nevada	11
	Orange	1,449
	Placer	88
	Plumas	4
	Riverside	1,135
	Sacramento	264
	San Benito	29
	San Bernardino	1,049
	San Diego	1,782
	San Francisco	139
	San Joaquin	1,282
	San Luis Obispo	134
	San Mateo	154
	Santa Barbara	76
	Santa Clara	385
	Santa Cruz	185
	Shasta	324
	Sierra	<1
	Siskiyou	2
	Solano	448
	Sonoma	49
	Stanislaus	808
	Sutter	587

Active Ingredient	County	Pounds Applied
	Tehama	61
	Trinity	<1
	Tulare	337
	Tuolumne	26
	Ventura	834
	Yolo	277
	Yuba	195
	Total	25,684
Profenofos	Colusa	41
	Fresno	3,510
	Imperial	300
	Kings	20,142
	Riverside	459
	Total	24,452
Prohexadione calcium	El Dorado	<1
	Mariposa	<1
	San Benito	1
	San Joaquin	13
	Santa Cruz	18
	Stanislaus	16
	Sutter	2
	Total	52
Prometon	Orange	<1
	San Joaquin	1
	San Luis Obispo	<1
	Santa Barbara	<1
	Tulare	19
	Total	21
Prometryn	Fresno	68,824
	Imperial	1,766
	Kern	28,679
	Kings	23,705
	Los Angeles	16
	Merced	19,262
	Monterey	8,566
	Orange	18
	Riverside	2,001
	San Benito	618
	San Joaquin	689
	San Luis Obispo	1,977
	Santa Barbara	4,804
	Santa Clara	246
	Santa Cruz	172
	Stanislaus	425
	Tulare	6,294
Ventura	9,799	

Active Ingredient	County	Pounds Applied	
		Total	177,861
Propanil	Butte		260,219
	Colusa		384,311
	Fresno		1,281
	Glenn		249,797
	Merced		13,951
	Placer		44,610
	Sacramento		38,800
	San Joaquin		20,228
	Solano		201
	Stanislaus		9,478
	Sutter		299,865
	Yolo		52,440
	Yuba		95,355
	Total		1,470,535
Propiconazole	Alameda		370
	Amador		2
	Butte		421
	Calaveras		2
	Colusa		37
	Contra Costa		143
	El Dorado		13
	Fresno		2,004
	Glenn		184
	Humboldt		2
	Imperial		18
	Inyo		4
	Kern		648
	Kings		297
	Lake		3
	Los Angeles		673
	Madera		246
	Marin		24
	Merced		932
	Modoc		20
	Mono		3
	Monterey		418
	Napa		30
	Nevada		21
	Orange		483
	Placer		83
	Plumas		10
Riverside		148	
Sacramento		351	
San Benito		58	
San Bernardino		48	
San Diego		809	
San Francisco		15	

Active Ingredient	County	Pounds Applied
	San Joaquin	161
	San Luis Obispo	179
	San Mateo	114
	Santa Barbara	469
	Santa Clara	173
	Santa Cruz	25
	Shasta	7
	Solano	63
	Sonoma	24
	Stanislaus	857
	Sutter	601
	Tehama	112
	Tulare	1,608
	Tuolumne	<1
	Ventura	1,922
	Yolo	77
	Yuba	365
	Total	15,275
Propyzamide	Alameda	103
	Butte	56
	Fresno	18,580
	Glenn	550
	Imperial	6,460
	Kern	385
	Kings	268
	Lassen	146
	Los Angeles	272
	Madera	168
	Mendocino	1
	Merced	181
	Monterey	46,576
	Napa	<1
	Orange	74
	Riverside	3,795
	Sacramento	247
	San Benito	5,478
	San Bernardino	182
	San Diego	348
	San Joaquin	81
	San Luis Obispo	5,676
	Santa Barbara	13,786
	Santa Clara	519
	Santa Cruz	580
	Shasta	18
	Solano	3
	Sonoma	218
	Stanislaus	122
	Tulare	52
	Ventura	2,990

Active Ingredient	County	Pounds Applied	
	Yolo		89
		Total	108,005
Pymetrozine	Amador		<1
	Butte		<1
	Colusa		4
	Del Norte		<1
	Fresno		15
	Glenn		2
	Humboldt		7
	Imperial		9
	Kern		40
	Los Angeles		19
	Madera		2
	Marin		<1
	Merced		13
	Modoc		32
	Monterey		85
	Napa		<1
	Orange		246
	Placer		<1
	Riverside		51
	Sacramento		5
	San Benito		49
	San Bernardino		<1
	San Diego		222
	San Joaquin		55
	San Luis Obispo		36
	San Mateo		4
	Santa Barbara		199
	Santa Clara		26
	Santa Cruz		62
	Siskiyou		106
	Solano		<1
	Sonoma		9
	Stanislaus		42
	Sutter		19
	Tulare		10
	Ventura		54
	Yolo		8
		Total	1,433
Pyrazon	Butte		13
	Fresno		2,690
	Kern		311
	Kings		3,615
	Monterey		105
	San Diego		<1
	Tulare		344
	Yolo		90

Active Ingredient	County	Pounds Applied	
		Total	7,167
Pyridate	Colusa		773
	Lassen		104
	Madera		72
	Merced		252
	Sacramento		199
	San Joaquin		170
	Shasta		944
	Siskiyou		123
	Stanislaus		94
	Tulare		82
	Total		2,813
Pyrithiobac-sodium	Butte		<1
	Colusa		37
	Fresno		1,457
	Glenn		7
	Imperial		34
	Kern		713
	Kings		361
	Madera		36
	Merced		490
	Riverside		3
	Tulare		334
	Yolo		48
	Total		3,521
Quinclorac	Butte		4
	Calaveras		2
	Contra Costa		73
	Fresno		<1
	Kern		20
	Los Angeles		10
	Madera		<1
	Marin		84
	Monterey		51
	Napa		<1
	Orange		83
	Placer		12
	Riverside		19
	Sacramento		25
	San Bernardino		17
	San Francisco		38
	San Joaquin		3
	San Luis Obispo		63
	San Mateo		111
	Santa Barbara		19
Santa Clara		1	
Santa Cruz		5	

Active Ingredient	County	Pounds Applied
	Solano	<1
	Sonoma	70
	Stanislaus	21
	Tulare	<1
	Total	732
Rimsulfuron	Colusa	283
	Contra Costa	8
	Fresno	6,717
	Glenn	<1
	Kern	109
	Kings	65
	Madera	12
	Merced	54
	Modoc	75
	Riverside	57
	Sacramento	34
	San Benito	14
	San Diego	3
	San Joaquin	57
	Siskiyou	75
	Solano	176
	Stanislaus	41
	Sutter	22
	Yolo	168
Total	7,971	
(S)-metolachlor	Butte	694
	Colusa	13,219
	Contra Costa	773
	El Dorado	8
	Fresno	113,474
	Glenn	16,180
	Humboldt	34
	Imperial	124
	Kern	6,806
	Kings	55,848
	Los Angeles	18
	Madera	1,435
	Merced	20,239
	Monterey	4,347
	Orange	116
	Placer	543
	Riverside	1,555
	Sacramento	7,068
	San Benito	215
	San Diego	582
San Joaquin	14,206	
San Luis Obispo	55	
Santa Barbara	952	

Active Ingredient	County	Pounds Applied
	Santa Clara	463
	Solano	3,957
	Sonoma	1
	Stanislaus	15,739
	Sutter	5,120
	Tehama	25
	Tulare	4,529
	Ventura	150
	Yolo	11,270
	Yuba	247
	Total	299,992
Sethoxydim	Alameda	43
	Butte	151
	Calaveras	<1
	Colusa	622
	Contra Costa	219
	El Dorado	2
	Fresno	2,320
	Glenn	716
	Imperial	4,995
	Kern	1,342
	Kings	1,627
	Lake	<1
	Lassen	21
	Los Angeles	25
	Madera	1,150
	Marin	4
	Mariposa	<1
	Mendocino	35
	Merced	2,482
	Modoc	180
	Monterey	157
	Napa	97
	Orange	4
	Placer	8
	Riverside	643
	Sacramento	529
	San Benito	39
	San Diego	334
	San Francisco	<1
	San Joaquin	1,738
	San Luis Obispo	79
	San Mateo	2
	Santa Barbara	140
	Santa Clara	27
	Santa Cruz	3
	Siskiyou	106
	Solano	1,013
	Sonoma	178

Active Ingredient	County	Pounds Applied
	Stanislaus	941
	Sutter	246
	Tehama	423
	Tulare	1,288
	Tuolumne	<1
	Ventura	32
	Yolo	975
	Yuba	<1
	Total	24,939
Siduron	Butte	18
	El Dorado	<1
	Fresno	1,344
	Glenn	150
	Kern	53
	Kings	10
	Los Angeles	804
	Nevada	1
	Placer	7
	Riverside	3,436
	Sacramento	10
	San Benito	335
	San Diego	498
	San Joaquin	228
	San Mateo	13
	Santa Barbara	143
	Shasta	108
	Stanislaus	365
	Tulare	2
	Ventura	237
Yolo	<1	
Total	7,759	
Simazine	Alameda	41
	Amador	785
	Butte	10,851
	Calaveras	235
	Colusa	939
	Contra Costa	615
	El Dorado	393
	Fresno	114,467
	Glenn	4,665
	Kern	52,758
	Kings	6,388
	Lake	2,454
	Lassen	25
	Los Angeles	823
	Madera	51,993
	Marin	34
Mariposa	11	

Active Ingredient	County	Pounds Applied
	Mendocino	3,391
	Merced	13,128
	Modoc	3
	Mono	13
	Monterey	12,726
	Napa	10,173
	Nevada	541
	Orange	882
	Placer	163
	Plumas	36
	Riverside	10,859
	Sacramento	11,665
	San Benito	633
	San Bernardino	2,260
	San Diego	7,690
	San Joaquin	44,005
	San Luis Obispo	5,383
	San Mateo	2
	Santa Barbara	8,418
	Santa Clara	304
	Santa Cruz	318
	Shasta	20
	Siskiyou	<1
	Solano	1,980
	Sonoma	23,043
	Stanislaus	28,514
	Sutter	1,814
	Tehama	6,176
	Tulare	185,750
	Tuolumne	27
	Ventura	4,902
	Yolo	4,024
	Yuba	558
	Total	636,877

Sulfometuron methyl	Alameda	587
	Amador	20
	Butte	93
	Calaveras	37
	Colusa	42
	Contra Costa	208
	Del Norte	25
	El Dorado	35
	Fresno	238
	Glenn	84
	Humboldt	545
	Imperial	28
	Kern	360
	Kings	33
	Lake	10

Active Ingredient	County	Pounds Applied
	Lassen	21
	Los Angeles	1,486
	Madera	47
	Marin	7
	Mariposa	6
	Mendocino	26
	Merced	102
	Modoc	61
	Monterey	83
	Napa	73
	Nevada	9
	Orange	249
	Placer	18
	Plumas	23
	Riverside	622
	Sacramento	177
	San Benito	1
	San Bernardino	1,379
	San Diego	356
	San Francisco	<1
	San Joaquin	190
	San Luis Obispo	68
	San Mateo	18
	Santa Barbara	40
	Santa Clara	91
	Santa Cruz	91
	Shasta	74
	Sierra	2
	Siskiyou	38
	Solano	61
	Sonoma	47
	Stanislaus	143
	Sutter	35
	Tehama	132
	Tulare	32
	Tuolumne	50
	Ventura	131
	Yolo	93
	Yuba	28
	Total	8,458
Tebuconazole	Alameda	177
	Amador	67
	Butte	125
	Calaveras	40
	Contra Costa	16
	El Dorado	11
	Fresno	6,879
	Imperial	119
	Kern	4,950

Active Ingredient	County	Pounds Applied
	Kings	673
	Lake	46
	Los Angeles	14
	Madera	2,605
	Mendocino	39
	Merced	559
	Monterey	567
	Napa	1,766
	Nevada	17
	Placer	<1
	Riverside	578
	Sacramento	1,092
	San Benito	71
	San Diego	21
	San Joaquin	2,662
	San Luis Obispo	1,677
	San Mateo	1
	Santa Barbara	1,795
	Santa Clara	36
	Santa Cruz	2
	Solano	110
	Sonoma	2,114
	Stanislaus	784
	Sutter	181
	Tulare	4,119
	Tuolumne	<1
	Ventura	<1
	Yolo	290
	Yuba	61
	Total	34,266
Tebufenozide	Alameda	25
	Butte	908
	Colusa	489
	Contra Costa	64
	El Dorado	5
	Fresno	15,636
	Glenn	309
	Imperial	101
	Kern	9,603
	Kings	2,762
	Lake	826
	Los Angeles	10
	Madera	7,174
	Mariposa	2
	Mendocino	403
	Merced	4,340
	Monterey	4,410
	Napa	26
	Orange	11

Active Ingredient	County	Pounds Applied
	Riverside	102
	Sacramento	1,798
	San Benito	89
	San Diego	59
	San Joaquin	5,342
	San Luis Obispo	284
	Santa Barbara	305
	Santa Clara	71
	Santa Cruz	251
	Solano	54
	Stanislaus	1,762
	Sutter	420
	Tehama	675
	Tulare	5,164
	Ventura	1,026
	Yolo	712
	Yuba	853
	Total	66,071
Tebuthiuron	Alameda	75
	Amador	<1
	Butte	17
	Calaveras	<1
	Contra Costa	19
	Fresno	135
	Glenn	51
	Kern	2,378
	Kings	210
	Los Angeles	1,421
	Madera	126
	Marin	2
	Mariposa	<1
	Merced	6
	Monterey	114
	Napa	7
	Orange	739
	Placer	<1
	Riverside	774
	Sacramento	597
	San Benito	<1
	San Bernardino	1,909
	San Diego	2,592
	San Joaquin	58
	San Luis Obispo	158
	Santa Barbara	54
	Shasta	<1
	Solano	52
	Sonoma	<1
	Stanislaus	2
	Sutter	110

Active Ingredient	County	Pounds Applied
	Tehama	2
	Tulare	<1
	Tuolumne	50
	Ventura	142
	Yolo	8
	Total	11,813
Terrazole	Humboldt	<1
	Merced	3
	Orange	<1
	Riverside	<1
	San Diego	<1
	San Mateo	2
	Santa Clara	<1
Total	6	
Thiamethoxam	Butte	9
	Colusa	163
	Contra Costa	4
	Fresno	3,947
	Glenn	93
	Imperial	193
	Kern	1,123
	Kings	4,098
	Lake	93
	Madera	47
	Mendocino	14
	Merced	547
	Monterey	18
	Orange	26
	Riverside	190
	Sacramento	12
	San Benito	42
	San Joaquin	3
	Santa Clara	35
	Solano	26
	Stanislaus	11
	Sutter	37
Tulare	305	
Ventura	8	
Yolo	46	
Total	11,091	
Thiazopyr	Amador	2
	Butte	14
	Colusa	48
	El Dorado	2
	Fresno	688
	Glenn	22
	Kern	331

Active Ingredient	County	Pounds Applied
	Madera	40
	Merced	222
	Monterey	7
	Napa	24
	Sacramento	17
	San Joaquin	113
	San Luis Obispo	46
	Solano	12
	Sonoma	51
	Stanislaus	166
	Sutter	4
	Tulare	158
	Yolo	36
	Total	2,000
Thiobencarb	Butte	203,102
	Colusa	262,151
	Fresno	7,310
	Glenn	110,497
	Merced	5,654
	Placer	4,646
	Sacramento	30,562
	San Joaquin	3,092
	Stanislaus	236
	Sutter	140,028
	Yolo	61,712
	Yuba	15,575
	Total	844,565
Thiophanate-methyl	Alameda	406
	Amador	<1
	Butte	63
	Colusa	2
	Contra Costa	840
	Del Norte	193
	El Dorado	98
	Fresno	1,269
	Glenn	3,116
	Humboldt	183
	Imperial	976
	Kern	4,230
	Kings	72
	Lake	14
	Los Angeles	3,346
	Madera	1,204
	Marin	162
	Mendocino	49
	Merced	5,415
	Monterey	5,472
	Napa	205

Active Ingredient	County	Pounds Applied
	Nevada	31
	Orange	4,031
	Placer	184
	Plumas	11
	Riverside	3,603
	Sacramento	1,020
	San Benito	98
	San Bernardino	364
	San Diego	8,077
	San Francisco	144
	San Joaquin	5,520
	San Luis Obispo	1,003
	San Mateo	4,349
	Santa Barbara	4,958
	Santa Clara	915
	Santa Cruz	668
	Shasta	113
	Siskiyou	12
	Solano	2,085
	Sonoma	152
	Stanislaus	4,068
	Sutter	79
	Tehama	25
	Tulare	811
	Tuolumne	49
	Ventura	2,866
	Yolo	175
	Yuba	15
	Total	72,740
Tralkoxydim	Imperial	17
	Riverside	8
	Solano	26
	Yolo	4
	Total	54
Triadimefon	Alameda	12
	Butte	10
	Calaveras	<1
	Contra Costa	46
	Del Norte	14
	El Dorado	6
	Fresno	11
	Humboldt	7
	Kern	27
	Kings	<1
	Lake	1
	Los Angeles	261
	Madera	<1
	Marin	9

Active Ingredient	County	Pounds Applied
	Mendocino	8
	Merced	9
	Monterey	68
	Napa	109
	Nevada	<1
	Orange	94
	Placer	6
	Plumas	7
	Riverside	517
	Sacramento	26
	San Benito	10
	San Bernardino	10
	San Diego	66
	San Francisco	2
	San Joaquin	19
	San Luis Obispo	32
	San Mateo	19
	Santa Barbara	40
	Santa Clara	40
	Santa Cruz	70
	Shasta	6
	Solano	5
	Sonoma	83
	Stanislaus	5
	Sutter	<1
	Tehama	9
	Trinity	2
	Tulare	4
	Tuolumne	<1
	Ventura	54
	Yolo	9
	Total	1,736
Triclopyr, butoxyethyl ester	Alameda	2,570
	Amador	154
	Butte	1,445
	Calaveras	418
	Colusa	612
	Contra Costa	2,060
	Del Norte	1,026
	El Dorado	1,556
	Fresno	1,304
	Glenn	351
	Humboldt	9,437
	Imperial	137
	Inyo	1,020
	Kern	321
	Kings	41
	Lake	506
	Lassen	399

Active Ingredient	County	Pounds Applied
	Los Angeles	14,519
	Madera	275
	Marin	402
	Mariposa	160
	Mendocino	296
	Merced	87
	Modoc	9
	Monterey	1,184
	Napa	151
	Nevada	478
	Orange	2,591
	Placer	693
	Plumas	1,480
	Riverside	2,938
	Sacramento	2,285
	San Benito	628
	San Bernardino	7,847
	San Diego	1,807
	San Francisco	435
	San Joaquin	2,053
	San Luis Obispo	886
	San Mateo	1,691
	Santa Barbara	897
	Santa Clara	2,476
	Santa Cruz	364
	Shasta	2,876
	Sierra	189
	Siskiyou	1,199
	Solano	1,107
	Sonoma	1,030
	Stanislaus	670
	Sutter	2,398
	Tehama	1,101
	Trinity	1,252
	Tulare	295
	Tuolumne	308
	Ventura	1,053
	Yolo	643
	Yuba	877
	Total	84,987
Triclopyr, triethylamine salt	Alameda	241
	Amador	27
	Butte	8,961
	Calaveras	172
	Colusa	23,839
	Contra Costa	1,375
	Del Norte	36
	El Dorado	348
	Fresno	207

Active Ingredient	County	Pounds Applied
	Glenn	6,604
	Kern	10
	Kings	<1
	Lake	8
	Lassen	3
	Los Angeles	551
	Madera	220
	Marin	54
	Mariposa	16
	Mendocino	7
	Merced	1,215
	Mono	1
	Monterey	1,515
	Napa	230
	Nevada	88
	Orange	7
	Placer	849
	Plumas	104
	Riverside	498
	Sacramento	3,028
	San Benito	5
	San Bernardino	25
	San Diego	250
	San Francisco	69
	San Joaquin	1,957
	San Luis Obispo	352
	San Mateo	162
	Santa Barbara	108
	Santa Clara	206
	Santa Cruz	57
	Shasta	411
	Sierra	6
	Siskiyou	25
	Solano	913
	Sonoma	300
	Stanislaus	211
	Sutter	11,709
	Tehama	104
	Tulare	<1
	Tuolumne	152
	Yolo	4,910
	Yuba	1,788
	Total	73,936
Triflumizole	Alameda	6
	Amador	64
	Contra Costa	134
	El Dorado	24
	Fresno	3,098
	Glenn	31

Active Ingredient	County	Pounds Applied
	Kern	3,944
	Kings	137
	Lake	421
	Los Angeles	19
	Madera	1,902
	Mariposa	<1
	Mendocino	300
	Merced	441
	Monterey	3,370
	Napa	1,530
	Nevada	9
	Orange	42
	Riverside	63
	Sacramento	700
	San Benito	23
	San Bernardino	4
	San Diego	57
	San Joaquin	838
	San Luis Obispo	1,396
	San Mateo	<1
	Santa Barbara	698
	Santa Clara	9
	Santa Cruz	5
	Solano	53
	Sonoma	2,604
	Stanislaus	413
	Sutter	24
	Tulare	1,650
	Ventura	15
	Yolo	96
	Yuba	16
	Total	24,140
Triflurosulfuron-methyl	Fresno	19
	Imperial	553
	Kern	9
	Kings	4
	Merced	5
	Orange	<1
	Tulare	<1
	Total	591
Trinexapac-ethyl	Alameda	3
	Amador	2
	Butte	7
	Calaveras	<1
	Contra Costa	47
	El Dorado	4
	Fresno	7
	Inyo	3

Active Ingredient	County	Pounds Applied
	Kern	10
	Los Angeles	221
	Madera	3
	Marin	5
	Merced	3
	Monterey	37
	Napa	7
	Nevada	<1
	Orange	152
	Placer	24
	Riverside	596
	Sacramento	34
	San Bernardino	33
	San Diego	633
	San Francisco	3
	San Joaquin	12
	San Luis Obispo	30
	San Mateo	28
	Santa Barbara	49
	Santa Clara	44
	Santa Cruz	1
	Shasta	<1
	Solano	<1
	Sonoma	33
	Stanislaus	3
	Tulare	<1
	Tuolumne	<1
	Ventura	18
	Yolo	2
	Total	2,056
Uniconizole-P	Contra Costa	<1
	Del Norte	<1
	Los Angeles	<1
	Madera	<1
	Monterey	<1
	Napa	<1
	Orange	<1
	Placer	<1
	Riverside	<1
	San Benito	<1
	San Diego	<1
	San Joaquin	<1
	San Luis Obispo	<1
	San Mateo	<1
	Santa Barbara	<1
	Santa Clara	3
	Santa Cruz	<1
	Sonoma	<1
	Ventura	<1

Active Ingredient	County	Pounds Applied	
		Total	
			4
Vinclozolin	Butte		16
	Colusa		51
	Contra Costa		21
	Fresno		9,871
	Glenn		47
	Humboldt		22
	Imperial		936
	Kern		88
	Kings		60
	Los Angeles		175
	Marin		13
	Mendocino		5
	Monterey		2,212
	Orange		110
	Riverside		26
	Sacramento		3
	San Benito		3
	San Bernardino		8
	San Diego		1,022
	San Francisco		48
	San Joaquin		5
	San Luis Obispo		2,733
	San Mateo		27
	Santa Barbara		2,518
	Santa Clara		11
	Santa Cruz		41
Sonoma		31	
Stanislaus		27	
Tulare		1,443	
Ventura		590	
Yolo		1	
		Total	22,164

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