

The Top Five Commodities by Acres Treated in each County in 2023 and the Top Five Chemicals used

[Text files](#) of data are available. The ranking of commodities (sites) and chemicals is determined by total cumulative acres treated. Acres treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres. Cumulative acres treated totals include pesticide use reports (PURs) with unit treated equal to acres (A) or square feet (S), the latter of which was converted to acres. PURs with volume (cubic feet, etc.), weight (tons, lbs, etc.), or miscellaneous units (bins, holes, etc.) are not included in the acres treated totals. Most nonagricultural PURs are not required to report acres treated, so the acres treated totals are predominantly agricultural pesticide uses. Application counts (Apps) include only agricultural pesticide uses. A zero value under Acres Treated or Apps indicates that the pounds applied were nonagricultural uses. Values greater than one are rounded. N-outdr = Outdoor nursery. N-grnhs = Greenhouse nursery. Chemicals in adjuvant products are excluded from this table. Counties may have less than five rankings if there were not enough commodities or chemicals to rank (especially when ranked by acres treated where most nonagricultural uses are not required to be reported). For more information, see Pesticide Use Annual Report Data Access, References, and Definitions [Guide](#).

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Grape, wine	1	Sulfur	25,371	521	6,747
Alameda	Grape, wine	1	Tebuconazole	333	254	3,055
Alameda	Grape, wine	1	Quinoxifen	290	303	2,599
Alameda	Grape, wine	1	Hydrogen peroxide	5,317	257	2,096
Alameda	Grape, wine	1	Peroxyacetic acid	395	169	1,410
Alameda	Almond	2	Abamectin	77	22	4,793
Alameda	Almond	2	Glyphosate, isopropylamine salt	4,832	21	3,234
Alameda	Almond	2	Azoxystrobin	656	19	3,162
Alameda	Almond	2	Ammonium sulfate	910	12	2,365
Alameda	Almond	2	Bifenthrin	464	11	2,343
Alameda	Pistachio	3	Pyraclostrobin	26	6	274
Alameda	Pistachio	3	Mefentrifluconazole	31	2	240
Alameda	Pistachio	3	Lambda-cyhalothrin	8	2	240
Alameda	Pistachio	3	Boscalid	29	5	154
Alameda	Pistachio	3	Bifenthrin	24	1	120

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Olive	4	Pyraflufen-ethyl	1	7	415
Alameda	Olive	4	Ammonium sulfate	40	5	310
Alameda	Olive	4	Glyphosate, isopropylamine salt	220	5	310
Alameda	Olive	4	Fenpropathrin	84	3	210
Alameda	Olive	4	Copper hydroxide	270	2	105
Alameda	Bean, unspecified	5	Propionic acid	38	6	250
Alameda	Bean, unspecified	5	Citric acid	24	6	250
Alameda	Bean, unspecified	5	Methoxyfenozide	18	3	125
Alameda	Bean, unspecified	5	Bifenthrin	6	3	125
Alameda	Bean, unspecified	5	S-metolachlor	239	3	125
Alpine	Uncultivated non-ag	1	Glyphosate, isopropylamine salt	< 1	0	10
Amador	Grape, wine	1	Sulfur	61,533	769	9,157
Amador	Grape, wine	1	Mineral oil	9,258	305	3,444
Amador	Grape, wine	1	Tebuconazole	212	230	2,244
Amador	Grape, wine	1	Difenoconazole	93	134	1,329
Amador	Grape, wine	1	Etoazole	166	115	1,230
Amador	Forest, timberland	2	Glyphosate, dimethylamine salt	5,109	68	1,423
Amador	Forest, timberland	2	Glyphosate, isopropylamine salt	334	4	184
Amador	Forest, timberland	2	Imazapyr, isopropylamine salt	31	9	178
Amador	Forest, timberland	2	Indaziflam	8	4	94
Amador	Forest, timberland	2	Clopyralid, monoethanolamine salt	26	4	94
Amador	Alfalfa	3	Glyphosate, potassium salt	832	10	449
Amador	Alfalfa	3	Ammonium sulfate	289	8	387
Amador	Alfalfa	3	Clethodim	56	7	328
Amador	Alfalfa	3	Lambda-cyhalothrin	6	5	200
Amador	Alfalfa	3	Dimethoate	16	5	200
Amador	Wheat (forage - fodder)	4	Mineral oil	21	6	347

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Amador	Wheat (forage - fodder)	4	Carfentrazone-ethyl	4	6	347
Amador	Wheat (forage - fodder)	4	Tribenuron-methyl	4	5	286
Amador	Wheat (forage - fodder)	4	2,4-d, dimethylamine salt	237	4	208
Amador	Wheat (forage - fodder)	4	Ammonium sulfate	23	1	78
Amador	Uncultivated non-ag	5	Triclopyr, butoxyethyl ester	27	2	98
Amador	Uncultivated non-ag	5	Aminopyralid, triisopropanolamine salt	14	1	70
Amador	Uncultivated non-ag	5	Clopyralid, monoethanolamine salt	22	1	70
Amador	Uncultivated non-ag	5	Glyphosate, dimethylamine salt	36	1	70
Amador	Uncultivated non-ag	5	Oxyfluorfen	94	1	70
Butte	Rice	1	Propanil	581,359	1,655	139,054
Butte	Rice	1	Mineral oil	203,648	1,451	121,583
Butte	Rice	1	Azoxystrobin	16,700	897	82,409
Butte	Rice	1	Triclopyr, triethylamine salt	12,982	863	73,771
Butte	Rice	1	Benzobicyclon	10,129	507	43,525
Butte	Walnut	2	Ammonium sulfate	7,019	1,089	41,534
Butte	Walnut	2	Citric acid	1,641	871	38,836
Butte	Walnut	2	Mancozeb	58,793	811	32,965
Butte	Walnut	2	Chlorantraniliprole	3,202	574	32,191
Butte	Walnut	2	Copper hydroxide	102,864	715	29,748
Butte	Almond	3	Chlorantraniliprole	1,350	420	21,060
Butte	Almond	3	Ammonium sulfate	3,179	428	17,999
Butte	Almond	3	Oxyfluorfen	4,347	550	17,792
Butte	Almond	3	Glyphosate, potassium salt	30,596	462	16,660
Butte	Almond	3	Propylene glycol	1,560	307	16,349
Butte	Prune	4	Propiconazole	897	133	7,640
Butte	Prune	4	Ammonium sulfate	1,015	150	4,447
Butte	Prune	4	Chlorothalonil	11,595	74	3,883

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Butte	Prune	4	Glyphosate, potassium salt	6,922	104	3,277
Butte	Prune	4	Esfenvalerate	203	61	3,226
Butte	Forest, timberland	5	Glyphosate, dimethylamine salt	17,287	182	7,089
Butte	Forest, timberland	5	Hexazinone	10,266	104	6,128
Butte	Forest, timberland	5	Potassium bicarbonate	255	149	5,986
Butte	Forest, timberland	5	Alkyl (c10-16) dimethyl amine oxide	1,527	149	5,986
Butte	Forest, timberland	5	Imazapyr, isopropylamine salt	2,485	138	5,409
Calaveras	Grape, wine	1	Sulfur	10,087	225	2,347
Calaveras	Grape, wine	1	Phosphoric acid	22	179	1,098
Calaveras	Grape, wine	1	Citric acid	32	169	1,069
Calaveras	Grape, wine	1	Tebuconazole	90	87	896
Calaveras	Grape, wine	1	Mineral oil	116	68	647
Calaveras	Forest, timberland	2	Glyphosate, dimethylamine salt	9,064	128	2,267
Calaveras	Forest, timberland	2	Imazapyr, isopropylamine salt	261	25	482
Calaveras	Forest, timberland	2	Citric acid	33	31	443
Calaveras	Forest, timberland	2	Ammonium sulfate	598	31	443
Calaveras	Forest, timberland	2	Phosphoric acid	185	31	443
Calaveras	Walnut	3	Ethephon	148	4	230
Calaveras	Walnut	3	Abamectin	4	2	205
Calaveras	Walnut	3	Acetamiprid	23	3	190
Calaveras	Walnut	3	Citric acid	36	2	162
Calaveras	Walnut	3	Polybutene	10	2	140
Calaveras	Rangeland	4	Aminopyralid, triisopropanolamine salt	22	10	324
Calaveras	Rangeland	4	Triclopyr, triethylamine salt	32	7	216
Calaveras	Rangeland	4	2,4-d, dimethylamine salt	38	4	149
Calaveras	Rangeland	4	Isopropyl alcohol	< 1	2	100
Calaveras	Rangeland	4	Glyphosate, isopropylamine salt	2	1	24

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Calaveras	Cherry	5	Propiconazole	8	2	70
Calaveras	Cherry	5	Tebuconazole	10	2	61
Calaveras	Cherry	5	Gibberellins	4	1	35
Calaveras	Cherry	5	Abamectin	6	1	35
Calaveras	Cherry	5	Penthiopyrad	9	1	35
Colusa	Almond	1	Citric acid	1,961	820	55,257
Colusa	Almond	1	Methoxyfenozide	19,769	849	54,789
Colusa	Almond	1	Ammonium sulfate	20,065	697	50,745
Colusa	Almond	1	Phosphoric acid	2,509	524	44,756
Colusa	Almond	1	Glyphosate, potassium salt	100,036	862	41,632
Colusa	Rice	2	Propanil	582,465	1,589	120,233
Colusa	Rice	2	Azoxystrobin	17,744	1,270	96,166
Colusa	Rice	2	Triclopyr, triethylamine salt	18,675	1,269	94,095
Colusa	Rice	2	Halosulfuron-methyl	3,354	916	67,163
Colusa	Rice	2	Benzobicyclon	15,118	881	64,828
Colusa	Tomato, processing	3	Phosphoric acid	1,788	430	26,774
Colusa	Tomato, processing	3	Isopropyl alcohol	495	396	24,969
Colusa	Tomato, processing	3	Bifenthrin	1,836	300	22,029
Colusa	Tomato, processing	3	Azoxystrobin	1,527	227	15,146
Colusa	Tomato, processing	3	Chlorothalonil	28,404	182	14,073
Colusa	Walnut	4	Mineral oil	37,743	146	10,732
Colusa	Walnut	4	Ethephon	5,599	135	9,397
Colusa	Walnut	4	Ammonium sulfate	3,138	184	8,758
Colusa	Walnut	4	Oxyfluorfen	4,264	147	8,688
Colusa	Walnut	4	Citric acid	354	167	8,614
Colusa	Uncultivated ag	5	Ammonium sulfate	2,899	303	23,140
Colusa	Uncultivated ag	5	Oxyfluorfen	3,325	289	21,542

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Colusa	Uncultivated ag	5	Citric acid	225	259	19,288
Colusa	Uncultivated ag	5	Sodium hydroxide	671	256	19,112
Colusa	Uncultivated ag	5	Phosphoric acid	380	256	19,112
Contra costa	Corn, human consumption	1	Isopropyl alcohol	211	471	11,652
Contra costa	Corn, human consumption	1	Esfenvalerate	414	319	8,289
Contra costa	Corn, human consumption	1	Calcium chloride	222	358	8,073
Contra costa	Corn, human consumption	1	Citric acid	589	358	8,073
Contra costa	Corn, human consumption	1	Lambda-cyhalothrin	216	266	6,696
Contra costa	Tomato, processing	2	Sulfur	125,011	147	5,763
Contra costa	Tomato, processing	2	Imidacloprid	846	112	4,195
Contra costa	Tomato, processing	2	Chlorothalonil	6,026	95	4,071
Contra costa	Tomato, processing	2	S-metolachlor	4,696	117	4,050
Contra costa	Tomato, processing	2	Carbaryl	2,347	87	3,163
Contra costa	Almond	3	Mineral oil	1,036	23	4,705
Contra costa	Almond	3	Reynoutria sachalinensis (giant knotweed) plant extract	477	12	3,400
Contra costa	Almond	3	Phosphoric acid	81	20	2,626
Contra costa	Almond	3	Glyphosate, isopropylamine salt	4,952	29	2,619
Contra costa	Almond	3	Glufosinate-ammonium	1,278	9	2,348
Contra costa	Grape, wine	4	Sulfur	73,589	369	5,200
Contra costa	Grape, wine	4	Copper hydroxide	526	91	1,188
Contra costa	Grape, wine	4	Copper oxychloride	820	75	1,168
Contra costa	Grape, wine	4	Potassium bicarbonate	2,343	70	1,079
Contra costa	Grape, wine	4	Pyraclostrobin	106	66	1,034
Contra costa	Cherry	5	Gibberellins	56	126	2,124
Contra costa	Cherry	5	Fenpropathrin	448	94	1,553
Contra costa	Cherry	5	Citric acid	587	127	1,448

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Contra costa	Cherry	5	Penthiopyrad	286	64	1,142
Contra costa	Cherry	5	Calcium chloride	199	81	1,122
Del norte	N-outdr flower	1	Copper hydroxide	6,959	446	3,918
Del norte	N-outdr flower	1	Chlorothalonil	1,625	244	1,910
Del norte	N-outdr flower	1	Iprodione	262	94	854
Del norte	N-outdr flower	1	Imidacloprid	73	62	546
Del norte	N-outdr flower	1	Diuron	685	65	510
Del norte	Forest, timberland	2	Imazapyr, isopropylamine salt	944	98	1,765
Del norte	Forest, timberland	2	Triclopyr, butoxyethyl ester	1,109	41	593
Del norte	Forest, timberland	2	Clopyralid, monoethanolamine salt	51	22	332
Del norte	Forest, timberland	2	Sulfometuron-methyl	17	20	299
Del norte	Forest, timberland	2	Indaziflam	< 1	2	16
Del norte	Soil fumigation/preplant	3	1,3-dichloropropene	53,083	24	203
Del norte	Soil fumigation/preplant	3	Metam-sodium	12,824	10	40
Del norte	N-grnhs plants in containers	4	Thiophanate-methyl	59	36	32
Del norte	N-grnhs plants in containers	4	Mefenoxam	< 1	31	29
Del norte	N-grnhs plants in containers	4	Flurprimidol	< 1	11	16
Del norte	N-grnhs plants in containers	4	Isofetamid	4	69	10
Del norte	N-grnhs plants in containers	4	Azoxystrobin	1	36	9
Del norte	N-outdr plants in containers	5	Glyphosate, isopropylamine salt	26	11	10
Del norte	N-outdr plants in containers	5	Isofetamid	3	15	5

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Del norte	N-outdr plants in containers	5	Abamectin	< 1	1	1
Del norte	N-outdr plants in containers	5	Acephate	2	1	1
Del norte	N-outdr plants in containers	5	Imidacloprid	< 1	2	1
El dorado	Forest, timberland	1	Glyphosate, dimethylamine salt	45,762	575	13,728
El dorado	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,695	390	9,171
El dorado	Forest, timberland	1	Potassium bicarbonate	449	390	9,171
El dorado	Forest, timberland	1	Imazapyr, isopropylamine salt	4,427	358	9,042
El dorado	Forest, timberland	1	Clopyralid, monoethanolamine salt	2,129	169	7,171
El dorado	Grape, wine	2	Sulfur	24,523	639	6,776
El dorado	Grape, wine	2	Mineral oil	20,277	445	4,411
El dorado	Grape, wine	2	Trifloxystrobin	108	105	1,052
El dorado	Grape, wine	2	Fluopyram	107	101	1,035
El dorado	Grape, wine	2	Glyphosate, isopropylamine salt	1,193	145	1,019
El dorado	Apple	3	Mineral oil	12,596	127	811
El dorado	Apple	3	Mancozeb	1,654	49	368
El dorado	Apple	3	Copper oxychloride	96	39	236
El dorado	Apple	3	Copper hydroxide	87	39	236
El dorado	Apple	3	Glyphosate, isopropylamine salt	321	25	160
El dorado	Pear	4	Mineral oil	2,780	17	133
El dorado	Pear	4	Glyphosate, isopropylamine salt	262	9	100
El dorado	Pear	4	Spinetoram	6	9	61
El dorado	Pear	4	Copper hydroxide	31	14	58
El dorado	Pear	4	Copper oxychloride	34	14	58
El dorado	Water area	5	Copper triethanolamine complex	10	0	49
El dorado	Water area	5	Copper ethanolamine complexes, mixed	338	0	39

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
El dorado	Water area	5	Diquat dibromide	99	0	35
El dorado	Water area	5	Triclopyr choline	23	0	32
El dorado	Water area	5	Fluridone	20	0	19
Fresno	Almond	1	Mineral oil	2,115,188	4,914	268,037
Fresno	Almond	1	Chlorantraniliprole	19,133	3,701	226,604
Fresno	Almond	1	Methoxyfenozide	76,933	3,397	217,527
Fresno	Almond	1	Abamectin	3,898	3,265	209,072
Fresno	Almond	1	Azoxystrobin	34,704	2,222	152,857
Fresno	Pistachio	2	Lambda-cyhalothrin	9,585	1,916	241,299
Fresno	Pistachio	2	Bifenthrin	25,572	1,248	146,106
Fresno	Pistachio	2	Mineral oil	645,237	1,385	122,868
Fresno	Pistachio	2	Methoxyfenozide	46,422	1,030	121,182
Fresno	Pistachio	2	Chlorantraniliprole	8,085	904	114,033
Fresno	Grape	3	Sulfur	2,806,315	12,226	396,095
Fresno	Grape	3	Gibberellins	1,825	1,480	40,500
Fresno	Grape	3	Imidacloprid	8,186	1,145	37,902
Fresno	Grape	3	Tebuconazole	3,608	1,064	34,218
Fresno	Grape	3	Glufosinate-ammonium	25,473	1,621	31,732
Fresno	Tomato, processing	4	Sulfur	2,432,465	893	110,882
Fresno	Tomato, processing	4	Imidacloprid	14,378	616	72,969
Fresno	Tomato, processing	4	Lambda-cyhalothrin	2,046	592	70,275
Fresno	Tomato, processing	4	Chlorothalonil	121,789	569	61,492
Fresno	Tomato, processing	4	Dimethoate	24,957	408	50,237
Fresno	Cotton	5	Propionic acid	8,542	688	60,976
Fresno	Cotton	5	Flonicamid	4,419	592	53,506
Fresno	Cotton	5	Mepiquat chloride	2,425	686	50,884
Fresno	Cotton	5	Ethephon	52,944	599	46,869

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Fresno	Cotton	5	Diuron	1,250	582	45,853
Glenn	Almond	1	Chlorantraniliprole	3,513	768	53,036
Glenn	Almond	1	Methoxyfenozide	13,045	536	37,726
Glenn	Almond	1	Azoxystrobin	6,578	457	36,917
Glenn	Almond	1	Oxyfluorfen	11,361	796	35,846
Glenn	Almond	1	Citric acid	7,671	436	32,342
Glenn	Rice	2	Propanil	427,236	1,459	90,402
Glenn	Rice	2	Triclopyr, triethylamine salt	12,044	1,053	65,967
Glenn	Rice	2	Azoxystrobin	12,670	1,004	63,880
Glenn	Rice	2	Ammonium sulfate	15,789	720	45,514
Glenn	Rice	2	Halosulfuron-methyl	1,970	675	41,083
Glenn	Walnut	3	Ethephon	16,557	392	20,668
Glenn	Walnut	3	Glyphosate, isopropylamine salt	31,870	622	17,658
Glenn	Walnut	3	Mancozeb	27,508	493	14,969
Glenn	Walnut	3	Copper hydroxide	55,750	442	13,566
Glenn	Walnut	3	Ammonium sulfate	3,910	689	12,838
Glenn	Alfalfa	4	Chlorantraniliprole	157	105	5,645
Glenn	Alfalfa	4	Clethodim	1,269	93	5,162
Glenn	Alfalfa	4	Lambda-cyhalothrin	98	72	3,225
Glenn	Alfalfa	4	Beta-cyfluthrin	50	44	2,224
Glenn	Alfalfa	4	Pendimethalin	4,134	36	2,184
Glenn	Olive	5	Copper hydroxide	55,976	240	14,724
Glenn	Olive	5	Mineral oil	1,924	129	8,335
Glenn	Olive	5	Spinosad	2	379	4,856
Glenn	Olive	5	Glufosinate-ammonium	2,515	88	2,406
Glenn	Olive	5	Glyphosate, isopropylamine salt	3,773	108	2,190
Humboldt	Forest, timberland	1	Imazapyr, isopropylamine salt	3,547	339	7,062

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Humboldt	Forest, timberland	1	Triclopyr, butoxyethyl ester	3,098	123	2,447
Humboldt	Forest, timberland	1	Glyphosate, dimethylamine salt	1,657	66	1,551
Humboldt	Forest, timberland	1	Clopyralid, monoethanolamine salt	231	72	1,416
Humboldt	Forest, timberland	1	Sulfometuron-methyl	66	53	1,061
Humboldt	N-grnhs flower	2	Captan	363	155	385
Humboldt	N-grnhs flower	2	Fenhexamid	137	147	374
Humboldt	N-grnhs flower	2	Iprodione	181	137	362
Humboldt	N-grnhs flower	2	Pyraclostrobin	35	124	310
Humboldt	N-grnhs flower	2	Captan, other related	6	105	306
Humboldt	N-outdr flower	3	Myclobutanil	4	18	44
Humboldt	N-outdr flower	3	Imidacloprid	1	2	36
Humboldt	N-outdr flower	3	Trifloxystrobin	3	9	23
Humboldt	N-outdr flower	3	Cyprodinil	4	7	23
Humboldt	N-outdr flower	3	Cyflumetofen	4	12	23
Humboldt	Cannabis (all or unspecified)	4	Potassium laurate	5,370	72	16
Humboldt	Cannabis (all or unspecified)	4	Azadirachtin	161	158	14
Humboldt	Cannabis (all or unspecified)	4	Mineral oil	121	186	13
Humboldt	Cannabis (all or unspecified)	4	Burkholderia rinojensis strain a396	158	130	11
Humboldt	Cannabis (all or unspecified)	4	Reynoutria sachalinensis (giant knotweed) plant extract	8	198	8
Humboldt	Apple	5	Mancozeb	30	3	14
Humboldt	Apple	5	Myclobutanil	2	2	9
Humboldt	Apple	5	Cyprodinil	3	2	9
Humboldt	Apple	5	Trifloxystrobin	< 1	2	7

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Humboldt	Apple	5	Fenpropathrin	3	2	7
Imperial	Alfalfa	1	Pendimethalin	325,906	2,393	158,929
Imperial	Alfalfa	1	Lambda-cyhalothrin	4,272	2,262	148,379
Imperial	Alfalfa	1	Mineral oil	124,895	2,145	129,280
Imperial	Alfalfa	1	Clethodim	26,325	2,013	115,001
Imperial	Alfalfa	1	Flupyradifurone	10,152	1,365	88,659
Imperial	Lettuce, leaf	2	Hydrogen peroxide	50,559	1,517	35,482
Imperial	Lettuce, leaf	2	Peroxyacetic acid	23,384	1,501	35,465
Imperial	Lettuce, leaf	2	Spinetoram	1,159	974	24,337
Imperial	Lettuce, leaf	2	Polybutene	716	989	23,929
Imperial	Lettuce, leaf	2	Lambda-cyhalothrin	531	772	18,614
Imperial	Sugarbeet	3	Esfenvalerate	1,575	517	34,920
Imperial	Sugarbeet	3	Glyphosate, potassium salt	44,335	440	32,418
Imperial	Sugarbeet	3	Zeta-cypermethrin	791	483	32,060
Imperial	Sugarbeet	3	Methoxyfenozide	3,713	415	29,104
Imperial	Sugarbeet	3	Mineral oil	36,952	423	29,063
Imperial	Corn, human consumption	4	Methomyl	17,062	629	38,275
Imperial	Corn, human consumption	4	Mineral oil	52,335	553	38,175
Imperial	Corn, human consumption	4	Lambda-cyhalothrin	891	539	33,363
Imperial	Corn, human consumption	4	Esfenvalerate	1,329	461	27,616
Imperial	Corn, human consumption	4	Chlorantraniliprole	1,125	381	23,981
Imperial	Onion, dry	5	Oxyfluorfen	4,773	426	25,472
Imperial	Onion, dry	5	Pendimethalin	13,554	288	17,911
Imperial	Onion, dry	5	Mefenoxam	1,797	232	16,313
Imperial	Onion, dry	5	Mineral oil	14,447	224	15,048
Imperial	Onion, dry	5	Bromoxynil octanoate	5,121	217	14,004
Inyo	Alfalfa	1	Hexazinone	155	11	412

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Inyo	Alfalfa	1	Diuron	146	10	292
Inyo	Alfalfa	1	Glyphosate, isopropylamine salt	530	4	265
Inyo	Alfalfa	1	Ammonium sulfate	33	4	265
Inyo	Alfalfa	1	Pendimethalin	407	3	215
Inyo	N-grnhs flower	2	Trinexapac-ethyl	19	0	271
Inyo	N-grnhs flower	2	Dithiopyr	9	0	37
Inyo	N-grnhs flower	2	Carfentrazone-ethyl	1	0	34
Inyo	N-grnhs flower	2	Dicamba	< 1	0	23
Inyo	N-grnhs flower	2	2,4-d, 2-ethylhexyl ester	11	0	23
Inyo	Forage hay/silage	3	2,4-d, dimethylamine salt	137	1	120
Inyo	Forage hay/silage	3	Imazethapyr, ammonium salt	9	3	111
Inyo	Forage hay/silage	3	Fatty acids, methyl esters	193	3	111
Inyo	Forage hay/silage	3	Clethodim	15	3	111
Kern	Almond	1	Mineral oil	2,293,483	3,546	302,524
Kern	Almond	1	Glyphosate, potassium salt	452,646	3,975	211,839
Kern	Almond	1	Ammonium sulfate	116,327	2,906	171,362
Kern	Almond	1	Oxyfluorfen	60,635	3,327	153,743
Kern	Almond	1	Chlorantraniliprole	12,906	1,802	151,671
Kern	Pistachio	2	Lambda-cyhalothrin	6,847	1,493	176,070
Kern	Pistachio	2	Glyphosate, potassium salt	260,973	2,558	128,970
Kern	Pistachio	2	Bifenthrin	21,790	1,154	118,779
Kern	Pistachio	2	Ammonium sulfate	109,807	2,265	108,193
Kern	Pistachio	2	Chlorantraniliprole	7,606	851	96,492
Kern	Grape	3	Sulfur	2,655,903	10,216	476,285
Kern	Grape	3	Gibberellins	2,154	2,826	130,440
Kern	Grape	3	Copper hydroxide	21,810	1,107	50,544
Kern	Grape	3	Copper oxychloride	108,595	1,171	49,640

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kern	Grape	3	Mineral oil	85,593	1,288	42,059
Kern	Orange	4	Mineral oil	1,392,829	2,567	102,157
Kern	Orange	4	Abamectin	724	790	32,034
Kern	Orange	4	Glyphosate, potassium salt	23,979	479	26,433
Kern	Orange	4	Cyantraniliprole	2,827	694	26,286
Kern	Orange	4	Calcium hydroxide	600,624	669	25,648
Kern	Tangerine	5	Mineral oil	917,239	1,297	61,828
Kern	Tangerine	5	Gibberellins	788	563	20,980
Kern	Tangerine	5	Polybutene	1,399	763	20,687
Kern	Tangerine	5	Abamectin	419	463	18,889
Kern	Tangerine	5	Glyphosate, potassium salt	31,778	346	16,761
Kings	Cotton	1	Propionic acid	8,611	790	197,200
Kings	Cotton	1	Flonicamid	6,492	449	74,306
Kings	Cotton	1	Citric acid	2,585	443	68,456
Kings	Cotton	1	Bifenthrin	6,041	399	61,898
Kings	Cotton	1	Lambda-cyhalothrin	2,424	346	59,820
Kings	Pistachio	2	Lambda-cyhalothrin	2,249	632	55,857
Kings	Pistachio	2	Glufosinate-ammonium	38,456	969	35,788
Kings	Pistachio	2	Bifenthrin	6,726	446	35,487
Kings	Pistachio	2	Glyphosate, potassium salt	82,515	608	34,725
Kings	Pistachio	2	Chlorantraniliprole	2,411	384	31,999
Kings	Almond	3	Mineral oil	331,822	805	37,540
Kings	Almond	3	Methoxyfenozide	13,270	573	35,847
Kings	Almond	3	Chlorantraniliprole	2,427	559	33,440
Kings	Almond	3	Abamectin	397	417	29,670
Kings	Almond	3	Lambda-cyhalothrin	1,042	387	26,043
Kings	Soil fumigation/preplant	4	Paraquat dichloride	152,891	621	132,070

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kings	Soil fumigation/preplant	4	Pyraflufen-ethyl	194	433	86,977
Kings	Soil fumigation/preplant	4	Pendimethalin	98,328	274	71,747
Kings	Soil fumigation/preplant	4	Propionic acid	2,066	252	52,904
Kings	Soil fumigation/preplant	4	Carfentrazone-ethyl	775	268	51,436
Kings	Tomato, processing	5	Sulfur	791,687	277	35,681
Kings	Tomato, processing	5	Chlorothalonil	45,384	188	21,929
Kings	Tomato, processing	5	Chlorantraniliprole	1,466	119	13,117
Kings	Tomato, processing	5	Indoxacarb	1,027	85	12,332
Kings	Tomato, processing	5	Lambda-cyhalothrin	333	107	11,600
Lake	Grape, wine	1	Sulfur	285,878	994	36,291
Lake	Grape, wine	1	Mineral oil	47,625	353	10,063
Lake	Grape, wine	1	Myclobutanil	665	184	5,852
Lake	Grape, wine	1	Cyflufenamid	161	149	5,659
Lake	Grape, wine	1	Pyrethrins	124	146	4,942
Lake	Pear	2	Streptomycin sulfate	764	217	5,661
Lake	Pear	2	Mineral oil	108,353	261	5,428
Lake	Pear	2	Calcium oxytetracycline	481	162	4,635
Lake	Pear	2	Ziram	7,375	67	1,712
Lake	Pear	2	Oxytetracycline hydrochloride	261	71	1,430
Lake	Cannabis (all or unspecified)	3	Sulfur	143	10	14,017
Lake	Cannabis (all or unspecified)	3	Burkholderia rinojensis strain a396	3,472	102	365
Lake	Cannabis (all or unspecified)	3	Chromobacterium subtsugae strain: praa4-1	216	83	314
Lake	Cannabis (all or unspecified)	3	Bacillus velezensis strain: d747	1,009	90	306

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lake	Cannabis (all or unspecified)	3	Reynoutria sachalinensis (giant knotweed) plant extract	119	76	286
Lake	Walnut	4	Spinosad	3	16	221
Lake	Walnut	4	Glyphosate, isopropylamine salt	264	15	168
Lake	Walnut	4	Diphacinone	< 1	16	138
Lake	Walnut	4	Ammonium sulfate	36	6	98
Lake	Walnut	4	Oxyfluorfen	45	6	92
Lake	Landscape maintenance	5	Thiencarbazone-methyl	2	20	147
Lake	Landscape maintenance	5	Dicamba	9	11	78
Lake	Landscape maintenance	5	Foramsulfuron	2	11	77
Lake	Landscape maintenance	5	Iodosulfuron-methyl-sodium	< 1	10	74
Lake	Landscape maintenance	5	Halosulfuron-methyl	3	10	73
Lassen	Alfalfa	1	Imazethapyr, ammonium salt	1,102	109	11,067
Lassen	Alfalfa	1	Metribuzin	6,037	117	10,691
Lassen	Alfalfa	1	Ammonium sulfate	759	99	8,978
Lassen	Alfalfa	1	Citric acid	47	82	8,899
Lassen	Alfalfa	1	Phosphoric acid	183	70	7,460
Lassen	Forest, timberland	2	Glyphosate, dimethylamine salt	9,328	79	2,793
Lassen	Forest, timberland	2	2,4-d, 2-ethylhexyl ester	6,625	13	2,414
Lassen	Forest, timberland	2	Imazapyr, isopropylamine salt	532	37	1,947
Lassen	Forest, timberland	2	Triclopyr, butoxyethyl ester	2,252	20	1,455
Lassen	Forest, timberland	2	Alkyl (c10-16) dimethyl amine oxide	433	37	1,292
Lassen	Strawberry	3	Sulfur	14,080	84	3,849
Lassen	Strawberry	3	Chlorothalonil	575	14	512
Lassen	Strawberry	3	Thiram	961	14	430
Lassen	Strawberry	3	Captan	758	10	417
Lassen	Strawberry	3	Chloropicrin	39,813	6	245

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lassen	Forage hay/silage	4	2,4-d, dimethylamine salt	1,033	15	984
Lassen	Forage hay/silage	4	Beta-cyfluthrin	11	6	467
Lassen	Forage hay/silage	4	Dicamba, dimethylamine salt	79	3	274
Lassen	Forage hay/silage	4	Paraquat dichloride	64	4	171
Lassen	Forage hay/silage	4	Metribuzin	35	4	143
Lassen	Pastureland	5	2,4-d, dimethylamine salt	528	10	474
Lassen	Pastureland	5	Dicamba, dimethylamine salt	304	5	394
Lassen	Pastureland	5	Phosphoric acid	21	2	266
Lassen	Pastureland	5	Mcpa, dimethylamine salt	138	1	200
Lassen	Pastureland	5	2,4-d	78	3	181
Los angeles	N-grnhs flower	1	Fluazifop-p-butyl	14	0	107,031
Los angeles	N-grnhs flower	1	Trinexapac-ethyl	88	0	1,273
Los angeles	N-grnhs flower	1	Prohexadione-calcium	137	0	720
Los angeles	N-grnhs flower	1	Tebuconazole	260	0	216
Los angeles	N-grnhs flower	1	Prodiamine	92	0	181
Los angeles	Carrot	2	Sulfur	18,188	137	8,607
Los angeles	Carrot	2	Mefenoxam	1,188	64	5,451
Los angeles	Carrot	2	Cyazofamid	482	38	3,089
Los angeles	Carrot	2	Linuron	1,039	36	2,770
Los angeles	Carrot	2	Pyraclostrobin	168	32	1,921
Los angeles	N-outdr plants in containers	3	Imidacloprid	132	370	3,764
Los angeles	N-outdr plants in containers	3	Carbaryl	62	157	2,735
Los angeles	N-outdr plants in containers	3	Propionic acid	422	1,266	1,757
Los angeles	N-outdr plants in containers	3	Glyphosate, isopropylamine salt	4,657	930	1,381

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Los angeles	N-outdr plants in containers	3	Bifenthrin	174	622	1,366
Los angeles	Onion, dry	4	Pendimethalin	348	46	1,346
Los angeles	Onion, dry	4	Sodium hypochlorite	2,208	47	1,330
Los angeles	Onion, dry	4	Penthiopyrad	265	30	848
Los angeles	Onion, dry	4	Abamectin	14	24	686
Los angeles	Onion, dry	4	Cyantraniliprole	39	17	449
Los angeles	Uncultivated ag	5	Aluminum phosphide	24	66	875
Los angeles	Uncultivated ag	5	Glyphosate, isopropylamine salt	205	99	187
Los angeles	Uncultivated ag	5	Diphacinone	< 1	38	110
Los angeles	Uncultivated ag	5	Chlorophacinone	< 1	5	70
Los angeles	Uncultivated ag	5	Strychnine	< 1	6	65
Madera	Almond	1	Mineral oil	653,192	2,420	140,649
Madera	Almond	1	Methoxyfenozide	40,142	2,084	116,264
Madera	Almond	1	Chlorantraniliprole	8,904	1,800	114,922
Madera	Almond	1	Glufosinate-ammonium	92,518	2,496	108,213
Madera	Almond	1	Abamectin	1,390	1,686	97,574
Madera	Pistachio	2	Lambda-cyhalothrin	2,678	760	68,355
Madera	Pistachio	2	Glufosinate-ammonium	46,645	1,023	58,087
Madera	Pistachio	2	Glyphosate, isopropylamine salt	62,595	820	49,312
Madera	Pistachio	2	Methoxyfenozide	16,402	433	43,534
Madera	Pistachio	2	Bifenthrin	6,800	373	37,255
Madera	Grape, wine	3	Sulfur	1,429,704	2,426	163,008
Madera	Grape, wine	3	Glufosinate-ammonium	22,749	566	22,929
Madera	Grape, wine	3	Tebuconazole	2,100	301	21,080
Madera	Grape, wine	3	Copper hydroxide	9,391	272	19,161
Madera	Grape, wine	3	Oxyfluorfen	7,360	347	15,572

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Madera	Grape	4	Sulfur	1,087,333	2,487	131,608
Madera	Grape	4	Imidacloprid	2,076	189	11,901
Madera	Grape	4	Tebuconazole	1,226	191	11,408
Madera	Grape	4	Gibberellins	261	277	10,158
Madera	Grape	4	Glufosinate-ammonium	10,513	411	10,013
Madera	Orange	5	Mineral oil	58,884	395	11,697
Madera	Orange	5	Abamectin	111	126	5,337
Madera	Orange	5	Cyantraniliprole	303	114	3,917
Madera	Orange	5	Polybutene	509	121	3,605
Madera	Orange	5	Azoxystrobin	709	73	3,298
Marin	Grape, wine	1	Sulfur	2,759	54	488
Marin	Grape, wine	1	Mineral oil	758	38	294
Marin	Grape, wine	1	Cyprodinil	18	12	101
Marin	Grape, wine	1	Glufosinate-ammonium	50	20	97
Marin	Grape, wine	1	Bacillus amyloliquefaciens strain: f727	686	11	85
Marin	Pastureland	2	Aminopyralid, triisopropanolamine salt	209	21	1,006
Marin	Pastureland	2	Clopyralid, monoethanolamine salt	77	2	220
Marin	Pastureland	2	Sulfur	51	4	20
Marin	Olive	3	Copper hydroxide	130	24	123
Marin	Olive	3	Copper oxychloride	144	24	123
Marin	Olive	3	Kaolin	2,362	25	108
Marin	Olive	3	Spinosad	< 1	10	54
Marin	Water area	4	Diquat dibromide	1,287	0	170
Marin	Water area	4	Imazapyr, isopropylamine salt	2	0	< 1
Marin	Water area	4	Copper ethanolamine complexes, mixed	8,096	0	0
Marin	Water area	4	Copper ethylenediamine complex	641	0	0
Marin	Water (industrial)	5	Sodium percarbonate	728	0	84

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Marin	Water (industrial)	5	Limonene	< 1	0	9
Marin	Water (industrial)	5	Diquat dibromide	42	0	7
Marin	Water (industrial)	5	Imazamox, ammonium salt	4	0	4
Marin	Water (industrial)	5	Copper ethanolamine complexes, mixed	3	0	4
Mariposa	Forest, timberland	1	Triclopyr, triethylamine salt	25	20	78
Mariposa	Forest, timberland	1	Mineral oil	6	9	53
Mariposa	Forest, timberland	1	Glyphosate, isopropylamine salt	13	12	40
Mariposa	Forest, timberland	1	Glyphosate, potassium salt	4	1	30
Mariposa	Forest, timberland	1	Aminopyralid, triisopropanolamine salt	< 1	2	12
Mariposa	Water area	2	Copper ethanolamine complexes, mixed	327	0	129
Mariposa	Apple	3	Mineral oil	1	5	18
Mariposa	Apple	3	Kasugamycin hydrochloride	< 1	2	8
Mariposa	Apple	3	Glyphosate, potassium salt	11	2	8
Mariposa	Apple	3	Trifloxystrobin	< 1	1	4
Mariposa	Apple	3	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	1	4
Mariposa	Grape, wine	4	Glyphosate, isopropylamine salt	19	3	12
Mariposa	Grape, wine	4	Myclobutanil	< 1	1	2
Mariposa	Grape, wine	4	Sulfur	3	1	2
Mariposa	Uncultivated ag	5	Glyphosate, isopropylamine salt	1	3	9
Mariposa	Uncultivated ag	5	Glufosinate-ammonium	3	2	6
Mariposa	Uncultivated ag	5	Aminopyralid, triisopropanolamine salt	< 1	1	< 1
Mariposa	Uncultivated ag	5	Triclopyr, triethylamine salt	< 1	1	< 1
Mendocino	Grape, wine	1	Sulfur	403,289	1,845	53,883
Mendocino	Grape, wine	1	Mineral oil	164,822	641	18,168
Mendocino	Grape, wine	1	Copper hydroxide	2,611	162	6,448
Mendocino	Grape, wine	1	Copper oxychloride	5,155	169	6,257

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mendocino	Grape, wine	1	Cyflufenamid	137	161	4,647
Mendocino	Pear	2	Mineral oil	71,029	75	3,484
Mendocino	Pear	2	Streptomycin sulfate	725	62	3,202
Mendocino	Pear	2	Mancozeb	8,528	58	2,316
Mendocino	Pear	2	Calcium oxytetracycline	273	21	1,840
Mendocino	Pear	2	Ziram	7,932	42	1,742
Mendocino	Forest, timberland	3	Imazapyr, isopropylamine salt	2,824	154	4,287
Mendocino	Forest, timberland	3	Triclopyr, triethylamine salt	1,439	39	1,102
Mendocino	Forest, timberland	3	Potassium bicarbonate	31	34	981
Mendocino	Forest, timberland	3	Alkyl (c10-16) dimethyl amine oxide	188	34	981
Mendocino	Forest, timberland	3	Clopyralid, monoethanolamine salt	134	33	881
Mendocino	Rights of way	4	Glyphosate, dimethylamine salt	74	4	72
Mendocino	Rights of way	4	Triclopyr, butoxyethyl ester	57	2	36
Mendocino	Rights of way	4	Glyphosate, isopropylamine salt	93	1	3
Mendocino	Rights of way	4	Copper carbonate, basic	103	0	0
Mendocino	Rights of way	4	Ammonium sulfate	3	0	0
Mendocino	Uncultivated non-ag	5	Dithiopyr	1	0	14
Mendocino	Uncultivated non-ag	5	Isoxaben	1	0	14
Mendocino	Uncultivated non-ag	5	Indaziflam	< 1	0	14
Mendocino	Uncultivated non-ag	5	Aminocyclopyrachlor, potassium salt	2	0	14
Mendocino	Uncultivated non-ag	5	Glyphosate, isopropylamine salt	6	0	14
Merced	Almond	1	Abamectin	2,046	1,809	114,717
Merced	Almond	1	Mineral oil	662,844	1,749	110,915
Merced	Almond	1	Glyphosate, potassium salt	165,500	2,035	96,740
Merced	Almond	1	Oxyfluorfen	26,833	2,429	95,731
Merced	Almond	1	Citric acid	10,068	1,792	90,256
Merced	Cotton	2	Mepiquat chloride	1,816	988	44,354

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Merced	Cotton	2	Ethephon	39,253	888	37,944
Merced	Cotton	2	Citric acid	586	777	34,013
Merced	Cotton	2	Thidiazuron	1,526	710	30,284
Merced	Cotton	2	Diuron	763	710	30,284
Merced	Tomato, processing	3	Sulfur	900,434	473	31,587
Merced	Tomato, processing	3	Chlorothalonil	46,496	363	24,526
Merced	Tomato, processing	3	Chlorantraniliprole	2,122	368	24,197
Merced	Tomato, processing	3	Imidacloprid	4,863	343	23,199
Merced	Tomato, processing	3	Azoxystrobin	2,239	352	21,819
Merced	Grape, wine	4	Sulfur	542,240	596	64,028
Merced	Grape, wine	4	Glufosinate-ammonium	24,498	306	19,929
Merced	Grape, wine	4	Oxyfluorfen	7,559	244	17,423
Merced	Grape, wine	4	Mineral oil	1,934	263	17,268
Merced	Grape, wine	4	Abamectin	194	117	11,332
Merced	Pistachio	5	Lambda-cyhalothrin	937	264	21,396
Merced	Pistachio	5	Glyphosate, potassium salt	28,535	358	16,775
Merced	Pistachio	5	Glufosinate-ammonium	15,718	358	14,769
Merced	Pistachio	5	Citric acid	401	198	11,877
Merced	Pistachio	5	Oxyfluorfen	4,031	318	10,275
Modoc	Alfalfa	1	Lambda-cyhalothrin	400	219	14,843
Modoc	Alfalfa	1	Metribuzin	7,015	170	12,271
Modoc	Alfalfa	1	Citric acid	64	141	11,126
Modoc	Alfalfa	1	Ammonium sulfate	1,141	141	10,728
Modoc	Alfalfa	1	Paraquat dichloride	5,413	78	5,691
Modoc	Potato	2	Rimsulfuron	108	87	5,430
Modoc	Potato	2	Chlorothalonil	4,374	68	4,459
Modoc	Potato	2	Copper hydroxide	2,530	56	3,664

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Modoc	Potato	2	Mefenoxam	411	55	3,619
Modoc	Potato	2	Metribuzin	1,540	51	3,174
Modoc	Onion, dry	3	Mancozeb	4,853	56	3,610
Modoc	Onion, dry	3	Penthiopyrad	648	36	2,323
Modoc	Onion, dry	3	Oxyfluorfen	135	29	1,941
Modoc	Onion, dry	3	Pendimethalin	1,023	27	1,588
Modoc	Onion, dry	3	Spirotetramat	120	24	1,538
Modoc	Wheat	4	Diglycolamine salt of 3,6-dichloro-o-anisic acid	348	33	2,327
Modoc	Wheat	4	2,4-d, dimethylamine salt	1,774	29	1,936
Modoc	Wheat	4	Tribenuron-methyl	18	16	1,494
Modoc	Wheat	4	Glyphosate, potassium salt	983	9	472
Modoc	Wheat	4	Mcpa, 2-ethyl hexyl ester	228	6	470
Modoc	Forage hay/silage	5	2,4-d, dimethylamine salt	3,101	40	2,918
Modoc	Forage hay/silage	5	Dicamba, dimethylamine salt	260	25	1,608
Modoc	Forage hay/silage	5	Diglycolamine salt of 3,6-dichloro-o-anisic acid	244	16	1,465
Modoc	Forage hay/silage	5	Lambda-cyhalothrin	16	11	579
Modoc	Forage hay/silage	5	Tribenuron-methyl	3	4	301
Mono	Alfalfa	1	Hexazinone	294	10	553
Mono	Alfalfa	1	Diuron	723	10	553
Mono	Alfalfa	1	Lambda-cyhalothrin	6	5	327
Mono	Alfalfa	1	2,4-db, dimethylamine salt	173	4	294
Mono	Alfalfa	1	Flupyradifurone	20	4	224
Mono	Forage hay/silage	2	Clethodim	31	6	219
Mono	Forage hay/silage	2	Fatty acids, methyl esters	403	6	219
Mono	Forage hay/silage	2	Imazamox, ammonium salt	4	4	125

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mono	Forage hay/silage	2	2,4-d, dimethylamine salt	88	3	102
Mono	Forage hay/silage	2	Diuron	100	1	102
Mono	Landscape maintenance	3	Chlorothalonil	40	2	5
Mono	Landscape maintenance	3	Propiconazole	3	2	5
Mono	Landscape maintenance	3	Pcnb	27	1	2
Mono	Landscape maintenance	3	Indoxacarb	< 1	0	0
Mono	Landscape maintenance	3	Diphacinone	< 1	0	0
Monterey	Grape, wine	1	Mineral oil	1,059,239	3,191	163,866
Monterey	Grape, wine	1	Sulfur	613,179	4,787	150,120
Monterey	Grape, wine	1	Glufosinate-ammonium	37,767	2,067	67,261
Monterey	Grape, wine	1	Cyflufenamid	1,331	1,028	51,152
Monterey	Grape, wine	1	Lavandulyl senecioate	593	1,001	50,379
Monterey	Lettuce, leaf	2	Lambda-cyhalothrin	3,460	12,737	113,770
Monterey	Lettuce, leaf	2	Spirotetramat	6,132	8,456	80,838
Monterey	Lettuce, leaf	2	Spinetoram	3,875	7,679	68,690
Monterey	Lettuce, leaf	2	Mancozeb	88,100	6,152	59,206
Monterey	Lettuce, leaf	2	Methomyl	36,474	6,482	54,311
Monterey	Lettuce, head	3	Lambda-cyhalothrin	2,459	7,526	81,036
Monterey	Lettuce, head	3	Spirotetramat	3,229	3,976	43,272
Monterey	Lettuce, head	3	Mancozeb	62,571	3,993	42,481
Monterey	Lettuce, head	3	Methomyl	26,603	3,651	39,498
Monterey	Lettuce, head	3	Spinetoram	2,097	3,692	38,768
Monterey	Strawberry	4	Sulfur	133,598	1,013	35,389
Monterey	Strawberry	4	Novaluron	1,282	662	16,858
Monterey	Strawberry	4	Azadirachtin	545	540	15,020
Monterey	Strawberry	4	Myclobutanil	1,712	496	15,016
Monterey	Strawberry	4	Trifloxystrobin	1,730	551	14,901

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Monterey	Broccoli	5	Spirotetramat	3,187	3,735	42,179
Monterey	Broccoli	5	Emamectin benzoate	420	2,547	28,776
Monterey	Broccoli	5	Lambda-cyhalothrin	745	2,349	24,429
Monterey	Broccoli	5	Propionic acid	3,803	1,818	24,353
Monterey	Broccoli	5	Bacillus thuringiensis subsp. aizawai strain: abts-1857	16,409	2,507	20,505
Napa	Grape, wine	1	Sulfur	868,333	8,539	152,410
Napa	Grape, wine	1	Mineral oil	215,063	2,545	37,884
Napa	Grape, wine	1	Lavandulyl senecioate	1,568	1,319	24,887
Napa	Grape, wine	1	Quinoxifen	1,917	1,239	20,008
Napa	Grape, wine	1	Cyflufenamid	484	1,150	17,492
Napa	Olive	2	Spinosad	< 1	299	597
Napa	Olive	2	Copper oxychloride	10	2	11
Napa	Olive	2	Copper hydroxide	9	2	11
Napa	Olive	2	Cuprous oxide	5	4	10
Napa	Olive	2	Kaolin	434	11	9
Napa	Water area	3	Copper sulfate (pentahydrate)	948	0	355
Napa	Water area	3	Copper ethanolamine complexes, mixed	196	0	61
Napa	Water area	3	Acid blue 9, diammonium salt	33	0	61
Napa	Water area	3	Tartrazine	3	0	61
Napa	Water area	3	Flumioxazin	11	0	49
Napa	Uncultivated non-ag	4	Triclopyr, butoxyethyl ester	219	0	157
Napa	Uncultivated non-ag	4	Imazapyr, isopropylamine salt	52	0	74
Napa	Uncultivated non-ag	4	Aminopyralid, triisopropanolamine salt	7	0	64
Napa	Uncultivated non-ag	4	Clethodim	7	0	57
Napa	Uncultivated non-ag	4	Glyphosate, potassium salt	37	0	39
Napa	Pastureland	5	Glyphosate, potassium salt	980	3	333

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Napa	Pastureland	5	Clopyralid, monoethanolamine salt	2	0	8
Napa	Pastureland	5	Oryzalin	< 1	0	< 1
Nevada	Grape, wine	1	Sulfur	16,066	97	1,379
Nevada	Grape, wine	1	Polybutene	9	2	376
Nevada	Grape, wine	1	Isopropyl alcohol	12	5	244
Nevada	Grape, wine	1	Flutriafol	15	3	189
Nevada	Grape, wine	1	Tebuconazole	16	2	189
Nevada	Uncultivated non-ag	2	Chlorsulfuron	< 1	0	469
Nevada	Uncultivated non-ag	2	Aminopyralid, triisopropanolamine salt	1	0	468
Nevada	Uncultivated non-ag	2	Glyphosate, isopropylamine salt	6	0	52
Nevada	Uncultivated non-ag	2	Triclopyr, butoxyethyl ester	6	2	15
Nevada	Uncultivated non-ag	2	Indaziflam	< 1	0	6
Nevada	Landscape maintenance	3	Trinexapac-ethyl	36	6	295
Nevada	Landscape maintenance	3	Chlorothalonil	1,124	9	125
Nevada	Landscape maintenance	3	Paclobutrazol	5	5	62
Nevada	Landscape maintenance	3	Propiconazole	69	10	44
Nevada	Landscape maintenance	3	Triclopyr, triethylamine salt	31	1	33
Nevada	Water area	4	Diquat dibromide	85	4	47
Nevada	Water area	4	Copper ethanolamine complexes, mixed	85	3	35
Nevada	Water area	4	Flumioxazin	7	0	25
Nevada	Water area	4	Endothall, dipotassium salt	13	0	17
Nevada	Water area	4	Glyphosate, isopropylamine salt	7	0	11
Nevada	N-grnhs flower	5	Trinexapac-ethyl	2	0	21
Nevada	N-grnhs flower	5	Pyraclostrobin	5	0	8
Nevada	N-grnhs flower	5	Fluxapyroxad	< 1	0	3
Nevada	N-grnhs flower	5	Chlorothalonil	12	0	3
Nevada	N-grnhs flower	5	Propiconazole	< 1	0	3

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Orange	Turf/sod	1	Propiconazole	18	0	104,092
Orange	Turf/sod	1	Imidacloprid	< 1	0	3
Orange	Turf/sod	1	Metalaxyl	2	0	2
Orange	Turf/sod	1	Glyphosate, isopropylamine salt	40	3	2
Orange	Turf/sod	1	Dicamba, dimethylamine salt	< 1	1	1
Orange	Golf course turf	2	Chlorothalonil	3,099	0	67,354
Orange	Golf course turf	2	Trinexapac-ethyl	189	0	3,138
Orange	Golf course turf	2	Flurprimidol	88	0	957
Orange	Golf course turf	2	Prodiamine	632	0	835
Orange	Golf course turf	2	Tebuconazole	682	0	781
Orange	N-outdr plants in containers	3	Glyphosate, isopropylamine salt	2,066	407	658
Orange	N-outdr plants in containers	3	Metaldehyde	290	35	357
Orange	N-outdr plants in containers	3	Propionic acid	68	148	175
Orange	N-outdr plants in containers	3	Dinotefuran	20	39	127
Orange	N-outdr plants in containers	3	Dithiopyr	107	127	126
Orange	Pepper, fruiting	4	Propylene glycol	10	12	254
Orange	Pepper, fruiting	4	Novaluron	18	11	228
Orange	Pepper, fruiting	4	Azoxystrobin	19	10	199
Orange	Pepper, fruiting	4	Boscalid	30	10	199
Orange	Pepper, fruiting	4	Diflubenzuron	18	8	184
Orange	Lemon	5	Fenpropathrin	185	28	596
Orange	Lemon	5	Copper hydroxide	818	12	352
Orange	Lemon	5	Mineral oil	7,317	11	275

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Orange	Lemon	5	Glyphosate, isopropylamine salt	325	9	242
Orange	Lemon	5	Metaldehyde	9	7	233
Placer	Rice	1	Propanil	42,290	165	9,458
Placer	Rice	1	Mineral oil	13,332	122	6,842
Placer	Rice	1	Ammonium sulfate	2,581	103	5,696
Placer	Rice	1	Halosulfuron-methyl	228	82	4,670
Placer	Rice	1	Triclopyr, triethylamine salt	1,159	76	4,594
Placer	Almond	2	Mineral oil	2,012	19	3,900
Placer	Almond	2	Sulfur	25,541	15	3,583
Placer	Almond	2	Propiconazole	368	25	1,877
Placer	Almond	2	Glufosinate-ammonium	1,383	19	1,548
Placer	Almond	2	Bacillus velensis strain: qst 713	84	6	1,468
Placer	Walnut	3	Glyphosate, potassium salt	6,957	91	3,684
Placer	Walnut	3	Mineral oil	17,632	46	3,029
Placer	Walnut	3	Saflufenacil	70	44	2,345
Placer	Walnut	3	Glufosinate-ammonium	1,800	62	1,724
Placer	Walnut	3	Glutens, corn	1,362	15	1,602
Placer	Forest, timberland	4	Potassium bicarbonate	149	213	4,001
Placer	Forest, timberland	4	Alkyl (c10-16) dimethyl amine oxide	896	213	4,001
Placer	Forest, timberland	4	Glyphosate, dimethylamine salt	9,884	206	3,829
Placer	Forest, timberland	4	Imazapyr, isopropylamine salt	1,043	131	3,079
Placer	Forest, timberland	4	Indaziflam	65	68	1,425
Placer	Grape, wine	5	Sulfur	2,042	106	655
Placer	Grape, wine	5	Phosphoric acid	4	34	246
Placer	Grape, wine	5	Mineral oil	173	29	222
Placer	Grape, wine	5	Citric acid	8	25	176
Placer	Grape, wine	5	Imidacloprid	5	24	159

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Plumas	Forest, timberland	1	Imazapyr, isopropylamine salt	7,486	174	16,771
Plumas	Forest, timberland	1	Glyphosate, dimethylamine salt	43,337	215	16,299
Plumas	Forest, timberland	1	Potassium bicarbonate	575	153	13,590
Plumas	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	3,450	153	13,590
Plumas	Forest, timberland	1	Hexazinone	13,833	107	12,363
Plumas	Rangeland	2	Beta-cyfluthrin	58	3	2,500
Plumas	Rangeland	2	Diflubenzuron	22	1	700
Plumas	Rangeland	2	Chlorsulfuron	< 1	1	1
Plumas	Pastureland	3	Beta-cyfluthrin	40	2	1,741
Plumas	Pastureland	3	Metribuzin	28	1	50
Plumas	Pastureland	3	Diflubenzuron	2	1	50
Plumas	Pastureland	3	Lambda-cyhalothrin	1	1	50
Plumas	Pastureland	3	Clopyralid, monoethanolamine salt	3	0	14
Plumas	Alfalfa	4	Metribuzin	412	9	824
Plumas	Alfalfa	4	Beta-cyfluthrin	1	1	60
Plumas	N-grnhs flower	5	Trinexapac-ethyl	16	0	115
Plumas	N-grnhs flower	5	Pcnb	674	0	42
Plumas	N-grnhs flower	5	Propiconazole	25	0	20
Plumas	N-grnhs flower	5	Carfentrazone-ethyl	< 1	0	15
Plumas	N-grnhs flower	5	Chlorothalonil	121	0	12
Riverside	Alfalfa	1	Citric acid	261	1,651	51,340
Riverside	Alfalfa	1	Flupyradifurone	5,139	1,116	49,152
Riverside	Alfalfa	1	Urea dihydrogen sulfate	107	1,401	43,772
Riverside	Alfalfa	1	Glyphosate, potassium salt	67,310	1,317	40,450
Riverside	Alfalfa	1	Indoxacarb	2,955	916	40,216
Riverside	Grape	2	Sulfur	128,080	883	27,818
Riverside	Grape	2	Bacillus altitudinis strain: qst 2808	1,174	213	9,784

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Riverside	Grape	2	Gibberellins	727	318	9,344
Riverside	Grape	2	Mineral oil	7,874	319	8,370
Riverside	Grape	2	Tebuconazole	352	117	3,423
Riverside	Lemon	3	Mineral oil	146,043	295	13,916
Riverside	Lemon	3	Imidacloprid	3,211	126	6,562
Riverside	Lemon	3	Glyphosate, isopropylamine salt	6,378	326	5,689
Riverside	Lemon	3	Abamectin	111	107	5,086
Riverside	Lemon	3	Cyfluthrin	135	110	3,975
Riverside	Pepper, fruiting	4	Spinetoram	371	233	6,371
Riverside	Pepper, fruiting	4	Abamectin	73	189	4,346
Riverside	Pepper, fruiting	4	Afidopyropen	70	118	3,985
Riverside	Pepper, fruiting	4	Chlorantraniliprole	422	141	3,593
Riverside	Pepper, fruiting	4	Spirotetramat	277	149	3,548
Riverside	Cotton	5	Mepiquat chloride	304	348	12,763
Riverside	Cotton	5	Citric acid	92	352	12,364
Riverside	Cotton	5	Urea dihydrogen sulfate	2,270	265	9,369
Riverside	Cotton	5	Ethephon	6,290	166	6,722
Riverside	Cotton	5	Glyphosate, potassium salt	10,777	194	6,233
Sacramento	Grape, wine	1	Sulfur	3,150,008	3,612	244,522
Sacramento	Grape, wine	1	Glufosinate-ammonium	26,604	941	26,417
Sacramento	Grape, wine	1	Abamectin	444	411	25,529
Sacramento	Grape, wine	1	Thiamethoxam	3,685	306	19,313
Sacramento	Grape, wine	1	Fluopyram	1,878	338	18,715
Sacramento	Pear	2	Mineral oil	484,468	1,123	39,397
Sacramento	Pear	2	Streptomycin sulfate	5,142	426	18,065
Sacramento	Pear	2	Oxytetracycline hydrochloride	2,712	376	14,974

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sacramento	Pear	2	Oxytetracycline hydrochloride, other related	25	376	14,974
Sacramento	Pear	2	Mancozeb	32,467	358	14,379
Sacramento	Tomato, processing	3	Chlorantraniliprole	471	122	6,636
Sacramento	Tomato, processing	3	Ethephon	3,826	123	5,902
Sacramento	Tomato, processing	3	Chlorothalonil	10,859	83	5,428
Sacramento	Tomato, processing	3	Sulfur	99,178	67	5,060
Sacramento	Tomato, processing	3	Lambda-cyhalothrin	138	103	4,715
Sacramento	Almond	4	Glufosinate-ammonium	3,384	131	4,333
Sacramento	Almond	4	Phosphoric acid	90	100	3,443
Sacramento	Almond	4	Abamectin	71	55	3,347
Sacramento	Almond	4	Citric acid	261	93	2,859
Sacramento	Almond	4	Mineral oil	4,820	61	2,721
Sacramento	Rice	5	Propanil	45,865	130	10,305
Sacramento	Rice	5	Mineral oil	22,690	128	9,940
Sacramento	Rice	5	Azoxystrobin	1,068	65	5,960
Sacramento	Rice	5	Cyhalofop-butyl	1,641	68	5,082
Sacramento	Rice	5	Ammonium sulfate	2,058	56	4,673
San benito	Lettuce, leaf	1	Lambda-cyhalothrin	210	885	7,028
San benito	Lettuce, leaf	1	Phosphoric acid	119	744	5,602
San benito	Lettuce, leaf	1	Spirotetramat	380	624	4,912
San benito	Lettuce, leaf	1	Methomyl	3,034	569	4,677
San benito	Lettuce, leaf	1	Azadirachtin	103	679	4,407
San benito	Grape, wine	2	Mineral oil	62,828	895	13,241
San benito	Grape, wine	2	Sulfur	36,608	298	9,037
San benito	Grape, wine	2	Metrafenone	1,169	101	4,637
San benito	Grape, wine	2	Propylene glycol	277	105	4,585

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San benito	Grape, wine	2	Myclobutanil	453	128	3,762
San benito	Spinach	3	Spinosad	303	410	3,062
San benito	Spinach	3	Spinetoram	142	316	2,465
San benito	Spinach	3	Permethrin	417	273	2,372
San benito	Spinach	3	Acibenzolar-s-methyl	54	311	2,291
San benito	Spinach	3	Imidacloprid	100	292	2,164
San benito	Pepper, fruiting	4	Propylene glycol	231	239	5,005
San benito	Pepper, fruiting	4	Lambda-cyhalothrin	68	96	2,194
San benito	Pepper, fruiting	4	Spinetoram	113	90	1,923
San benito	Pepper, fruiting	4	Abamectin	29	69	1,631
San benito	Pepper, fruiting	4	Cyantraniliprole	117	59	1,331
San benito	Lettuce, head	5	Lambda-cyhalothrin	50	183	1,635
San benito	Lettuce, head	5	Phosphoric acid	30	195	1,610
San benito	Lettuce, head	5	Mancozeb	2,327	180	1,520
San benito	Lettuce, head	5	Spirotetramat	106	158	1,377
San benito	Lettuce, head	5	Imidacloprid	61	152	1,319
San bernardino	Orange	1	Glyphosate, potassium salt	1,564	147	2,535
San bernardino	Orange	1	Strychnine	3	222	2,247
San bernardino	Orange	1	Abamectin	24	123	1,134
San bernardino	Orange	1	Mineral oil	10,010	118	1,060
San bernardino	Orange	1	Spinetoram	59	68	644
San bernardino	Alfalfa	2	Glyphosate, isopropylamine salt	2,537	23	1,332

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Alfalfa	2	Clethodim	166	9	631
San bernardino	Alfalfa	2	Flupyradifurone	114	5	625
San bernardino	Alfalfa	2	Chlorantraniliprole	11	5	600
San bernardino	Alfalfa	2	Lambda-cyhalothrin	11	10	500
San bernardino	Corn (forage - fodder)	3	Glyphosate, isopropylamine salt	1,788	39	1,292
San bernardino	Corn (forage - fodder)	3	Mineral oil	1,320	36	1,127
San bernardino	Corn (forage - fodder)	3	Rimsulfuron	12	33	1,046
San bernardino	Corn (forage - fodder)	3	Nicosulfuron	25	33	1,046
San bernardino	Corn (forage - fodder)	3	Tembotrione	7	3	80
San bernardino	Golf course turf	4	Trinexapac-ethyl	64	0	597
San bernardino	Golf course turf	4	Aluminum phosphide	< 1	0	257
San bernardino	Golf course turf	4	Tebuconazole	215	0	206
San bernardino	Golf course turf	4	Mineral oil	3,356	0	176
San bernardino	Golf course turf	4	Triclopyr, butoxyethyl ester	102	0	124
San bernardino	Uncultivated ag	5	Glyphosate, isopropylamine salt	275	102	1,016
San bernardino	Uncultivated ag	5	Glyphosate, potassium salt	139	31	819

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Uncultivated ag	5	Diphacinone	< 1	7	307
San bernardino	Uncultivated ag	5	Caprylic acid	55	7	114
San bernardino	Uncultivated ag	5	Capric acid	37	7	114
San diego	Tomato	1	Chlorothalonil	4,769	74	3,188
San diego	Tomato	1	Difenoconazole	262	54	2,328
San diego	Tomato	1	Mandipropamid	262	54	2,328
San diego	Tomato	1	Bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	1,400	38	2,131
San diego	Tomato	1	Oxamyl	1,753	34	1,960
San diego	N-outdr plants in containers	2	Glyphosate, isopropylamine salt	17,312	2,666	5,741
San diego	N-outdr plants in containers	2	Propionic acid	554	1,816	3,674
San diego	N-outdr plants in containers	2	Imidacloprid	1,185	611	1,962
San diego	N-outdr plants in containers	2	Propylene glycol	61	865	1,692
San diego	N-outdr plants in containers	2	Abamectin	56	893	1,683
San diego	Avocado	3	Glyphosate, potassium salt	9,445	866	6,985
San diego	Avocado	3	Glyphosate, isopropylamine salt	2,739	609	6,220
San diego	Avocado	3	Mineral oil	95,251	216	4,491
San diego	Avocado	3	Diphacinone	< 1	152	2,356
San diego	Avocado	3	Gibberellins	109	61	2,084
San diego	N-grnhs plants in containers	4	Citric acid	204	1,060	1,305

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San diego	N-grnhs plants in containers	4	Propionic acid	274	836	1,276
San diego	N-grnhs plants in containers	4	Abamectin	17	876	893
San diego	N-grnhs plants in containers	4	Propylene glycol	31	605	701
San diego	N-grnhs plants in containers	4	Chlormequat chloride	152	613	576
San diego	Lemon	5	Mineral oil	37,090	301	2,837
San diego	Lemon	5	Strychnine	< 1	12	1,440
San diego	Lemon	5	Imidacloprid	628	19	1,360
San diego	Lemon	5	Glyphosate, isopropylamine salt	1,487	373	1,264
San diego	Lemon	5	Abamectin	23	166	1,091
San francisco	Golf course turf	1	Trinexapac-ethyl	124	0	1,457
San francisco	Golf course turf	1	Chlorothalonil	3,153	0	507
San francisco	Golf course turf	1	Propiconazole	225	0	457
San francisco	Golf course turf	1	Paclobutrazol	83	0	418
San francisco	Golf course turf	1	Ethephon	1,034	0	306
San francisco	Uncultivated non-ag	2	Glyphosate, isopropylamine salt	3	0	12
San francisco	Uncultivated non-ag	2	Indaziflam	< 1	0	8
San francisco	Uncultivated non-ag	2	Aminocyclopyrachlor, potassium salt	1	0	8
San francisco	Uncultivated non-ag	2	Chlorsulfuron	< 1	0	8
San francisco	Uncultivated non-ag	2	Triclopyr choline	< 1	0	4
San francisco	Turf/sod	3	Trinexapac-ethyl	< 1	0	9
San francisco	Turf/sod	3	Ethephon	8	0	4
San francisco	Turf/sod	3	Azoxystrobin	1	0	4
San francisco	Turf/sod	3	Acibenzolar-s-methyl	< 1	0	4
San francisco	Turf/sod	3	Mineral oil	32	0	2

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San francisco	Commercial, institutional or industrial areas	4	Indoxacarb	< 1	0	10
San francisco	Cannabis (all or unspecified)	5	Azadirachtin	< 1	233	5
San francisco	Cannabis (all or unspecified)	5	Mineral oil	28	20	< 1
San francisco	Cannabis (all or unspecified)	5	Hydrogen peroxide	8	31	< 1
San francisco	Cannabis (all or unspecified)	5	Peroxyacetic acid	< 1	24	< 1
San francisco	Cannabis (all or unspecified)	5	Bacillus velensis strain: qst 713	< 1	51	< 1
San joaquin	Almond	1	Abamectin	1,916	1,798	102,220
San joaquin	Almond	1	Glyphosate, isopropylamine salt	150,481	1,975	75,088
San joaquin	Almond	1	Methoxyfenozide	23,478	1,308	71,606
San joaquin	Almond	1	Glufosinate-ammonium	70,334	1,855	67,917
San joaquin	Almond	1	Oxyfluorfen	25,262	1,801	67,565
San joaquin	Grape, wine	2	Sulfur	5,322,627	10,194	434,810
San joaquin	Grape, wine	2	Abamectin	1,078	1,677	62,766
San joaquin	Grape, wine	2	Glufosinate-ammonium	48,479	2,635	51,561
San joaquin	Grape, wine	2	Fluopyram	3,593	1,066	38,394
San joaquin	Grape, wine	2	Flutriafol	2,517	753	29,937
San joaquin	Walnut	3	Ethephon	26,317	882	39,340
San joaquin	Walnut	3	Glyphosate, isopropylamine salt	44,488	921	25,699
San joaquin	Walnut	3	Oxyfluorfen	6,397	882	25,493
San joaquin	Walnut	3	Citric acid	2,406	817	25,354
San joaquin	Walnut	3	Clethodim	3,205	866	24,607
San joaquin	Tomato, processing	4	Bifenthrin	2,438	536	27,250
San joaquin	Tomato, processing	4	Chlorothalonil	44,009	448	24,410

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San joaquin	Tomato, processing	4	Lambda-cyhalothrin	560	336	19,457
San joaquin	Tomato, processing	4	Sulfur	345,000	309	16,708
San joaquin	Tomato, processing	4	Difenoconazole	1,167	292	16,002
San joaquin	Cherry	5	Lambda-cyhalothrin	746	1,012	19,101
San joaquin	Cherry	5	Mineral oil	125,994	885	15,579
San joaquin	Cherry	5	Citric acid	2,869	1,025	14,548
San joaquin	Cherry	5	Gibberellins	1,132	777	13,819
San joaquin	Cherry	5	Pyraclostrobin	1,108	642	12,087
San luis obispo	Grape, wine	1	Sulfur	424,553	3,033	121,319
San luis obispo	Grape, wine	1	Propylene glycol	2,671	1,412	47,256
San luis obispo	Grape, wine	1	Mineral oil	196,663	1,139	43,418
San luis obispo	Grape, wine	1	Quinoxifen	2,513	582	25,436
San luis obispo	Grape, wine	1	Glufosinate-ammonium	22,779	1,292	22,989
San luis obispo	Strawberry	2	Captan	33,254	584	19,415
San luis obispo	Strawberry	2	Ammonium sulfate	8,407	373	15,316
San luis obispo	Strawberry	2	Citric acid	2,070	369	15,267
San luis obispo	Strawberry	2	Phosphoric acid	2,554	307	12,787
San luis obispo	Strawberry	2	Captan, other related	437	331	11,247
San luis obispo	Lettuce, head	3	Polybutene	441	805	6,866

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San luis obispo	Lettuce, head	3	Permethrin	1,055	618	5,221
San luis obispo	Lettuce, head	3	Dimethomorph	1,066	568	5,209
San luis obispo	Lettuce, head	3	Spirotetramat	270	424	3,405
San luis obispo	Lettuce, head	3	Mancozeb	5,160	403	3,379
San luis obispo	Lettuce, leaf	4	Polybutene	540	1,037	6,331
San luis obispo	Lettuce, leaf	4	Permethrin	515	528	2,601
San luis obispo	Lettuce, leaf	4	Spinetoram	155	474	2,564
San luis obispo	Lettuce, leaf	4	Mandipropamid	325	366	2,490
San luis obispo	Lettuce, leaf	4	Lambda-cyhalothrin	70	285	2,298
San luis obispo	Broccoli	5	Oxyfluorfen	1,330	437	4,111
San luis obispo	Broccoli	5	Spirotetramat	296	392	3,752
San luis obispo	Broccoli	5	Imidacloprid	1,098	313	3,134
San luis obispo	Broccoli	5	Polybutene	256	301	2,825
San luis obispo	Broccoli	5	Pyraclostrobin	384	201	1,984
San mateo	Brussels sprout	1	Lambda-cyhalothrin	26	79	924
San mateo	Brussels sprout	1	Spinetoram	45	65	818
San mateo	Brussels sprout	1	Emamectin benzoate	9	53	635

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San mateo	Brussels sprout	1	Spirotetramat	50	50	618
San mateo	Brussels sprout	1	Imidacloprid	24	41	520
San mateo	N-grnhs plants in containers	2	Abamectin	1	90	108
San mateo	N-grnhs plants in containers	2	Dinotefuran	10	58	66
San mateo	N-grnhs plants in containers	2	Pyridalyl	8	44	65
San mateo	N-grnhs plants in containers	2	Spinosad	6	42	65
San mateo	N-grnhs plants in containers	2	Bifenazate	10	47	57
San mateo	Uncultivated non-ag	3	Glyphosate, isopropylamine salt	59	0	176
San mateo	Uncultivated non-ag	3	Aminocyclopyrachlor, potassium salt	20	0	126
San mateo	Uncultivated non-ag	3	Indaziflam	8	0	126
San mateo	Uncultivated non-ag	3	Chlorsulfuron	7	0	126
San mateo	Uncultivated non-ag	3	Isoxaben	2	0	63
San mateo	Water (industrial)	4	Imazamox, ammonium salt	866	0	377
San mateo	Water (industrial)	4	Limonene	17	0	377
San mateo	Water (industrial)	4	Hydrogen peroxide	2,108	0	250
San mateo	Water (industrial)	4	Peroxyacetic acid	486	0	250
San mateo	Water (industrial)	4	5-chloro-2-methyl-4-isothiazolin-3-one	74	0	0
San mateo	Grape, wine	5	Mineral oil	702	49	173
San mateo	Grape, wine	5	Sulfur	386	36	145
San mateo	Grape, wine	5	Polybutene	15	25	107
San mateo	Grape, wine	5	Cuprous oxide	76	19	73
San mateo	Grape, wine	5	Propylene glycol	9	21	70
Santa barbara	Strawberry	1	Captan	113,847	1,778	64,120

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa barbara	Strawberry	1	Sulfur	200,445	1,485	46,946
Santa barbara	Strawberry	1	Propylene glycol	3,361	932	37,474
Santa barbara	Strawberry	1	Propionic acid	6,806	663	31,804
Santa barbara	Strawberry	1	Captan, other related	1,269	951	29,603
Santa barbara	Grape, wine	2	Sulfur	626,717	1,920	108,482
Santa barbara	Grape, wine	2	Propylene glycol	3,097	826	42,826
Santa barbara	Grape, wine	2	Mineral oil	77,570	692	22,162
Santa barbara	Grape, wine	2	Ammonium sulfate	4,282	450	19,831
Santa barbara	Grape, wine	2	Citric acid	3,115	419	19,051
Santa barbara	Lettuce, head	3	Permethrin	2,915	1,427	14,792
Santa barbara	Lettuce, head	3	Spirotetramat	1,007	1,075	12,815
Santa barbara	Lettuce, head	3	Lambda-cyhalothrin	296	759	10,178
Santa barbara	Lettuce, head	3	Mandipropamid	1,297	869	9,955
Santa barbara	Lettuce, head	3	Dimethomorph	1,801	775	8,890
Santa barbara	Broccoli	4	Oxyfluorfen	4,792	1,661	14,619
Santa barbara	Broccoli	4	Spirotetramat	852	1,026	10,905
Santa barbara	Broccoli	4	Imidacloprid	3,519	1,136	10,746
Santa barbara	Broccoli	4	Polybutene	859	773	8,179
Santa barbara	Broccoli	4	Azoxystrobin	1,553	726	6,345
Santa barbara	Lettuce, leaf	5	Polybutene	854	1,351	9,409
Santa barbara	Lettuce, leaf	5	Spinetoram	483	965	8,310
Santa barbara	Lettuce, leaf	5	Permethrin	1,461	780	7,538
Santa barbara	Lettuce, leaf	5	Lambda-cyhalothrin	221	867	7,495
Santa barbara	Lettuce, leaf	5	Mandipropamid	841	689	6,462
Santa clara	N-grnhs transplants	1	Paclobutrazol	11	1,197	63,300
Santa clara	N-grnhs transplants	1	Daminozide	280	632	31,650
Santa clara	N-grnhs transplants	1	Mefenoxam	76	208	10,920

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa clara	N-grnhs transplants	1	Uniconazole-p	< 1	193	9,630
Santa clara	N-grnhs transplants	1	Chlormequat chloride	11	202	9,090
Santa clara	Tomato	2	Propylene glycol	146	127	3,881
Santa clara	Tomato	2	Spinetoram	138	85	2,734
Santa clara	Tomato	2	Thiamethoxam	110	69	2,201
Santa clara	Tomato	2	Zeta-cypermethrin	48	58	1,943
Santa clara	Tomato	2	Isopropyl alcohol	54	51	1,844
Santa clara	Pepper, fruiting	3	Propylene glycol	142	185	4,288
Santa clara	Pepper, fruiting	3	Spinetoram	146	108	2,857
Santa clara	Pepper, fruiting	3	Thiamethoxam	119	91	2,237
Santa clara	Pepper, fruiting	3	Methoxyfenozide	288	74	1,932
Santa clara	Pepper, fruiting	3	Fluopyram	221	69	1,884
Santa clara	Lettuce, leaf	4	Lambda-cyhalothrin	108	372	3,308
Santa clara	Lettuce, leaf	4	Phosphoric acid	62	344	3,179
Santa clara	Lettuce, leaf	4	Spirotetramat	168	253	2,182
Santa clara	Lettuce, leaf	4	Imidacloprid	100	248	2,137
Santa clara	Lettuce, leaf	4	Permethrin	407	276	2,115
Santa clara	Cherry	5	Propylene glycol	279	64	2,373
Santa clara	Cherry	5	Pyraclostrobin	160	59	1,448
Santa clara	Cherry	5	Gibberellins	82	55	1,444
Santa clara	Cherry	5	Glyphosate, isopropylamine salt	2,229	36	1,410
Santa clara	Cherry	5	Lambda-cyhalothrin	51	37	1,223
Santa cruz	Strawberry	1	Fludioxonil	775	141	3,560
Santa cruz	Strawberry	1	Azadirachtin	107	154	3,492
Santa cruz	Strawberry	1	Cyprodinil	1,137	137	3,472
Santa cruz	Strawberry	1	Captan	6,710	170	3,408
Santa cruz	Strawberry	1	Pyraclostrobin	598	154	3,404

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa cruz	Blackberry	2	Soybean oil	58,207	332	4,010
Santa cruz	Blackberry	2	Mineral oil	13,100	178	2,110
Santa cruz	Blackberry	2	Azadirachtin	66	125	2,052
Santa cruz	Blackberry	2	Margosa oil	1,230	106	1,665
Santa cruz	Blackberry	2	Zeta-cypermethrin	43	166	1,563
Santa cruz	Lettuce, head	3	Lambda-cyhalothrin	86	314	2,886
Santa cruz	Lettuce, head	3	Mancozeb	3,283	234	2,142
Santa cruz	Lettuce, head	3	Potassium phosphite	4,342	226	2,010
Santa cruz	Lettuce, head	3	Permethrin	300	169	1,585
Santa cruz	Lettuce, head	3	Malathion	1,945	127	1,224
Santa cruz	Raspberry	4	Zeta-cypermethrin	54	118	1,754
Santa cruz	Raspberry	4	Spinetoram	130	96	1,571
Santa cruz	Raspberry	4	Pyraclostrobin	259	114	1,544
Santa cruz	Raspberry	4	Carfentrazone-ethyl	99	116	1,527
Santa cruz	Raspberry	4	Boscalid	497	111	1,506
Santa cruz	Lettuce, leaf	5	Lambda-cyhalothrin	77	321	2,632
Santa cruz	Lettuce, leaf	5	Mancozeb	2,854	220	1,846
Santa cruz	Lettuce, leaf	5	Potassium phosphite	3,523	193	1,562
Santa cruz	Lettuce, leaf	5	Permethrin	252	154	1,326
Santa cruz	Lettuce, leaf	5	Malathion	2,097	158	1,313
Shasta	Forest, timberland	1	Glyphosate, dimethylamine salt	27,239	559	14,135
Shasta	Forest, timberland	1	Imazapyr, isopropylamine salt	2,911	249	5,945
Shasta	Forest, timberland	1	Clopyralid, monoethanolamine salt	715	93	2,951
Shasta	Forest, timberland	1	Potassium bicarbonate	101	77	2,698
Shasta	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	606	77	2,698
Shasta	Walnut	2	Glyphosate, potassium salt	4,414	105	2,276
Shasta	Walnut	2	Oxyfluorfen	409	87	1,730

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Shasta	Walnut	2	Imidacloprid	5	64	1,536
Shasta	Walnut	2	Beta-cyfluthrin	2	64	1,536
Shasta	Walnut	2	Copper hydroxide	2,707	61	1,209
Shasta	Forage hay/silage	3	2,4-d, dimethylamine salt	2,187	43	2,048
Shasta	Forage hay/silage	3	Dicamba, dimethylamine salt	171	17	675
Shasta	Forage hay/silage	3	Beta-cyfluthrin	16	10	659
Shasta	Forage hay/silage	3	Metribuzin	79	3	217
Shasta	Forage hay/silage	3	Glyphosate, potassium salt	377	2	205
Shasta	Timothy	4	2,4-d, dimethylamine salt	1,309	27	1,200
Shasta	Timothy	4	Beta-cyfluthrin	27	23	1,169
Shasta	Timothy	4	Malathion	640	9	521
Shasta	Timothy	4	Lambda-cyhalothrin	14	8	506
Shasta	Timothy	4	Dicamba, dimethylamine salt	135	7	462
Shasta	Rice, wild	5	Copper sulfate (pentahydrate)	31,499	32	2,340
Shasta	Rice, wild	5	Lambda-cyhalothrin	13	1	310
Shasta	Rice, wild	5	Glyphosate, isopropylamine salt	1,044	5	243
Shasta	Rice, wild	5	Citric acid	< 1	2	150
Shasta	Rice, wild	5	Urea dihydrogen sulfate	< 1	2	150
Sierra	Alfalfa	1	Zeta-cypermethrin	5	2	195
Sierra	Alfalfa	1	Imazethapyr, ammonium salt	17	2	170
Sierra	Alfalfa	1	Glyphosate, isopropylamine salt	237	1	140
Sierra	Alfalfa	1	Hexazinone	11	2	90
Sierra	Alfalfa	1	Diuron	27	1	45
Sierra	Forest, timberland	2	Chlorsulfuron	1	0	150
Sierra	Forest, timberland	2	Aminopyralid, triisopropanolamine salt	< 1	0	150
Sierra	Forest, timberland	2	Sulfometuron-methyl	8	0	110
Sierra	Forest, timberland	2	Glyphosate, isopropylamine salt	2	0	45

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sierra	Forest, timberland	2	Imazapyr, isopropylamine salt	2	0	45
Sierra	Wheat (forage - fodder)	3	Glyphosate, isopropylamine salt	61	1	60
Sierra	Uncultivated non-ag	4	Glyphosate, isopropylamine salt	2	0	2
Sierra	Uncultivated non-ag	4	Isoxaben	< 1	0	< 1
Sierra	Uncultivated non-ag	4	Dithiopyr	< 1	0	< 1
Sierra	Uncultivated non-ag	4	Indaziflam	< 1	0	< 1
Sierra	Uncultivated non-ag	4	Rimsulfuron	< 1	0	< 1
Siskiyou	Alfalfa	1	Metribuzin	5,221	167	10,370
Siskiyou	Alfalfa	1	Citric acid	154	122	8,449
Siskiyou	Alfalfa	1	Lambda-cyhalothrin	231	99	7,774
Siskiyou	Alfalfa	1	Ammonium sulfate	1,959	111	7,635
Siskiyou	Alfalfa	1	Paraquat dichloride	5,684	118	6,961
Siskiyou	Strawberry	2	Sulfur	22,410	183	7,603
Siskiyou	Strawberry	2	Captan	12,448	128	5,676
Siskiyou	Strawberry	2	Mineral oil	585	152	4,450
Siskiyou	Strawberry	2	Phosphoric acid	911	126	3,346
Siskiyou	Strawberry	2	Thiram	7,504	70	2,971
Siskiyou	Potato	3	Rimsulfuron	64	66	3,167
Siskiyou	Potato	3	Copper hydroxide	1,721	62	3,078
Siskiyou	Potato	3	Mefenoxam	350	60	3,076
Siskiyou	Potato	3	Chlorothalonil	2,669	56	2,686
Siskiyou	Potato	3	Soybean oil	540	50	2,616
Siskiyou	Forest, timberland	4	Hexazinone	4,474	86	3,457
Siskiyou	Forest, timberland	4	Glyphosate, isopropylamine salt	8,080	98	3,397
Siskiyou	Forest, timberland	4	Disodium octaborate tetrahydrate	214	6	3,089
Siskiyou	Forest, timberland	4	Imazapyr, isopropylamine salt	1,032	82	1,910
Siskiyou	Forest, timberland	4	Glyphosate, dimethylamine salt	3,423	61	1,826

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Siskiyou	Forage hay/silage	5	2,4-d, dimethylamine salt	3,355	31	3,081
Siskiyou	Forage hay/silage	5	Dicamba, dimethylamine salt	960	26	2,942
Siskiyou	Forage hay/silage	5	Glyphosate, potassium salt	2,279	9	1,248
Siskiyou	Forage hay/silage	5	Mcpa, dimethylamine salt	581	11	1,008
Siskiyou	Forage hay/silage	5	Clopyralid, monoethanolamine salt	303	10	968
Solano	Almond	1	Glufosinate-ammonium	20,288	286	19,936
Solano	Almond	1	Mineral oil	88,665	91	19,380
Solano	Almond	1	Abamectin	361	274	18,967
Solano	Almond	1	Azoxystrobin	3,000	224	13,600
Solano	Almond	1	Chlorantraniliprole	1,179	206	12,836
Solano	Tomato, processing	2	Bifenthrin	1,876	437	21,115
Solano	Tomato, processing	2	Lambda-cyhalothrin	356	251	12,513
Solano	Tomato, processing	2	Sulfur	247,457	158	11,825
Solano	Tomato, processing	2	Azoxystrobin	1,149	213	11,151
Solano	Tomato, processing	2	Chlorantraniliprole	690	140	10,324
Solano	Grape, wine	3	Sulfur	279,625	1,051	27,977
Solano	Grape, wine	3	Fluopyram	357	125	3,560
Solano	Grape, wine	3	Tebuconazole	285	102	2,799
Solano	Grape, wine	3	Spirotetramat	314	92	2,580
Solano	Grape, wine	3	Quinoxifen	211	117	2,189
Solano	Alfalfa	4	Glyphosate, potassium salt	31,751	400	18,061
Solano	Alfalfa	4	Lambda-cyhalothrin	270	206	9,840
Solano	Alfalfa	4	Ammonium sulfate	2,555	207	9,768
Solano	Alfalfa	4	Indoxacarb	1,055	193	9,446
Solano	Alfalfa	4	Clethodim	2,261	205	9,114
Solano	Walnut	5	Glyphosate, isopropylamine salt	7,115	126	5,328
Solano	Walnut	5	Spinosad	17	54	3,491

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Solano	Walnut	5	Oxyfluorfen	958	97	3,106
Solano	Walnut	5	Glufosinate-ammonium	2,124	100	3,059
Solano	Walnut	5	Glutens, corn	2,467	74	2,778
Sonoma	Grape, wine	1	Sulfur	1,526,122	11,268	242,310
Sonoma	Grape, wine	1	Mineral oil	347,374	3,665	68,870
Sonoma	Grape, wine	1	Cyprodinil	10,069	2,020	39,643
Sonoma	Grape, wine	1	Fluopyram	3,768	1,561	35,784
Sonoma	Grape, wine	1	Quinoxifen	3,273	1,701	34,040
Sonoma	Apple	2	Lime-sulfur	11,789	152	1,280
Sonoma	Apple	2	Sulfur	8,538	151	1,188
Sonoma	Apple	2	Mineral oil	20,296	104	803
Sonoma	Apple	2	Bacillus thuringiensis subsp. kurstaki strain: abts-351	632	75	631
Sonoma	Apple	2	Spinosad	104	54	486
Sonoma	Oat	3	Glyphosate, isopropylamine salt	711	5	774
Sonoma	Oat	3	Bromoxynil heptanoate	229	3	665
Sonoma	Oat	3	Bromoxynil octanoate	237	3	665
Sonoma	Oat	3	Tribenuron-methyl	1	2	165
Sonoma	Oat	3	Carfentrazone-ethyl	4	1	140
Sonoma	Uncultivated ag	4	2,4-d, dimethylamine salt	669	4	750
Sonoma	Uncultivated ag	4	Glyphosate, potassium salt	747	4	655
Sonoma	Uncultivated ag	4	Ammonium sulfate	101	5	227
Sonoma	Uncultivated ag	4	Flumioxazin	22	0	58
Sonoma	Uncultivated ag	4	Triclopyr choline	26	2	40
Sonoma	N-outdr plants in containers	5	Spinosad	2	50	222
Sonoma	N-outdr plants in containers	5	Azadirachtin	< 1	47	222

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sonoma	N-outdr plants in containers	5	Beauveria bassiana strain: gha	2	28	140
Sonoma	N-outdr plants in containers	5	Bacillus thuringiensis subsp. kurstaki strain: abts-351	15	28	140
Sonoma	N-outdr plants in containers	5	Pymetrozine	3	27	135
Stanislaus	Almond	1	Oxyfluorfen	46,822	3,997	160,679
Stanislaus	Almond	1	Mineral oil	1,056,592	2,535	158,202
Stanislaus	Almond	1	Abamectin	2,952	2,726	156,472
Stanislaus	Almond	1	Methoxyfenozide	44,391	2,195	138,120
Stanislaus	Almond	1	Glyphosate, isopropylamine salt	250,281	3,337	137,212
Stanislaus	Walnut	2	Oxyfluorfen	3,713	506	13,103
Stanislaus	Walnut	2	Glufosinate-ammonium	12,096	561	12,070
Stanislaus	Walnut	2	Glyphosate, isopropylamine salt	24,106	472	11,745
Stanislaus	Walnut	2	Citric acid	946	509	11,198
Stanislaus	Walnut	2	Glyphosate, potassium salt	21,553	428	10,991
Stanislaus	Corn (forage - fodder)	3	Tembotrione	1,419	446	17,390
Stanislaus	Corn (forage - fodder)	3	Glyphosate, isopropylamine salt	21,831	401	15,277
Stanislaus	Corn (forage - fodder)	3	Etoxazole	1,733	353	14,912
Stanislaus	Corn (forage - fodder)	3	Glyphosate, potassium salt	20,603	364	14,539
Stanislaus	Corn (forage - fodder)	3	S-metolachlor	19,399	266	12,550
Stanislaus	Tomato, processing	4	Chlorothalonil	34,068	286	17,284
Stanislaus	Tomato, processing	4	Lambda-cyhalothrin	359	274	12,186
Stanislaus	Tomato, processing	4	Azoxystrobin	900	149	8,540
Stanislaus	Tomato, processing	4	Difenoconazole	542	137	8,190
Stanislaus	Tomato, processing	4	Methoxyfenozide	1,067	104	6,592
Stanislaus	Grape, wine	5	Sulfur	302,039	434	28,280
Stanislaus	Grape, wine	5	Glufosinate-ammonium	6,383	216	5,869

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Stanislaus	Grape, wine	5	Abamectin	58	71	3,608
Stanislaus	Grape, wine	5	Oxyfluorfen	1,782	122	3,466
Stanislaus	Grape, wine	5	Phosphoric acid	264	111	3,267
Sutter	Rice	1	Propanil	490,726	1,171	108,685
Sutter	Rice	1	Mineral oil	150,512	759	75,416
Sutter	Rice	1	Triclopyr, triethylamine salt	13,694	634	59,450
Sutter	Rice	1	Lambda-cyhalothrin	1,917	658	54,733
Sutter	Rice	1	Ammonium sulfate	30,946	618	53,144
Sutter	Walnut	2	Glyphosate, isopropylamine salt	23,867	521	14,410
Sutter	Walnut	2	Copper hydroxide	60,106	431	14,057
Sutter	Walnut	2	Mancozeb	23,309	416	13,460
Sutter	Walnut	2	Glyphosate, potassium salt	26,795	580	12,978
Sutter	Walnut	2	Ammonium sulfate	5,104	598	12,318
Sutter	Almond	3	Azoxystrobin	2,163	197	11,417
Sutter	Almond	3	Abamectin	175	189	9,036
Sutter	Almond	3	Glyphosate, potassium salt	17,732	202	7,786
Sutter	Almond	3	Fluopyram	643	94	6,720
Sutter	Almond	3	Pyrimethanil	1,734	78	6,434
Sutter	Tomato, processing	4	Azoxystrobin	873	103	8,898
Sutter	Tomato, processing	4	Bifenthrin	564	89	7,416
Sutter	Tomato, processing	4	S-metolachlor	10,727	115	6,317
Sutter	Tomato, processing	4	Difenoconazole	384	74	6,272
Sutter	Tomato, processing	4	Trifluralin	5,494	114	6,252
Sutter	Peach	5	Chlorantraniliprole	661	512	8,262
Sutter	Peach	5	Lambda-cyhalothrin	304	486	8,138
Sutter	Peach	5	Propiconazole	785	489	7,052
Sutter	Peach	5	Esfenvalerate	409	407	6,427

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sutter	Peach	5	Ziram	24,785	342	5,371
Tehama	Almond	1	Chlorantraniliprole	1,359	376	22,951
Tehama	Almond	1	Citric acid	2,890	256	14,332
Tehama	Almond	1	Methoxyfenozide	4,828	223	13,499
Tehama	Almond	1	Lambda-cyhalothrin	485	192	12,005
Tehama	Almond	1	Oxyfluorfen	2,844	328	11,614
Tehama	Walnut	2	Ammonium sulfate	6,947	1,862	24,840
Tehama	Walnut	2	Mancozeb	36,770	777	20,809
Tehama	Walnut	2	Copper hydroxide	93,078	773	20,713
Tehama	Walnut	2	Oxyfluorfen	3,894	764	16,834
Tehama	Walnut	2	Glyphosate, isopropylamine salt	26,496	869	15,803
Tehama	Prune	3	Propylene glycol	389	72	3,840
Tehama	Prune	3	Propiconazole	420	88	3,631
Tehama	Prune	3	Esfenvalerate	110	70	2,190
Tehama	Prune	3	Glufosinate-ammonium	2,034	90	1,978
Tehama	Prune	3	Glyphosate, potassium salt	3,578	85	1,735
Tehama	Olive	4	Copper hydroxide	28,005	105	7,303
Tehama	Olive	4	Mineral oil	1,233	74	4,566
Tehama	Olive	4	Spinosad	1	250	4,241
Tehama	Olive	4	Propylene glycol	409	21	1,946
Tehama	Olive	4	Glufosinate-ammonium	2,001	69	1,784
Tehama	Forest, timberland	5	Glyphosate, dimethylamine salt	6,839	209	4,448
Tehama	Forest, timberland	5	Imazapyr, isopropylamine salt	1,169	108	3,069
Tehama	Forest, timberland	5	Glyphosate, isopropylamine salt	7,051	19	2,736
Tehama	Forest, timberland	5	Alkyl (c10-16) dimethyl amine oxide	301	109	2,298
Tehama	Forest, timberland	5	Potassium bicarbonate	50	109	2,298
Trinity	Forest, timberland	1	Glyphosate, dimethylamine salt	6,260	101	4,222

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Trinity	Forest, timberland	1	Imazapyr, isopropylamine salt	1,788	58	3,157
Trinity	Forest, timberland	1	Glyphosate, isopropylamine salt	2,762	21	1,203
Trinity	Forest, timberland	1	Indaziflam	91	23	1,101
Trinity	Forest, timberland	1	Clopyralid, monoethanolamine salt	872	27	1,054
Tulare	Orange	1	Mineral oil	2,442,069	11,660	216,669
Tulare	Orange	1	Abamectin	1,794	4,246	79,464
Tulare	Orange	1	Calcium hydroxide	1,833,660	4,055	75,017
Tulare	Orange	1	Cyantraniliprole	7,011	3,634	69,969
Tulare	Orange	1	2,4-d, isopropyl ester	5,485	3,342	62,387
Tulare	Almond	2	Mineral oil	874,779	1,707	94,357
Tulare	Almond	2	Chlorantraniliprole	4,747	936	59,599
Tulare	Almond	2	Glyphosate, isopropylamine salt	82,359	1,175	50,541
Tulare	Almond	2	Methoxyfenozide	17,563	815	48,386
Tulare	Almond	2	Difenoconazole	5,067	673	44,150
Tulare	Grape	3	Sulfur	1,518,303	5,868	261,631
Tulare	Grape	3	Gibberellins	756	1,394	55,739
Tulare	Grape	3	Copper oxychloride	92,765	897	42,490
Tulare	Grape	3	Copper hydroxide	13,724	693	29,889
Tulare	Grape	3	Glufosinate-ammonium	19,055	759	20,700
Tulare	Pistachio	4	Lambda-cyhalothrin	2,934	1,065	72,030
Tulare	Pistachio	4	Bifenthrin	10,340	711	57,119
Tulare	Pistachio	4	Glufosinate-ammonium	49,264	1,309	54,173
Tulare	Pistachio	4	Methoxyfenozide	17,966	595	47,114
Tulare	Pistachio	4	Aspergillus flavus strain nrsl #21882	38	464	39,444
Tulare	Corn (forage - fodder)	5	Glyphosate, isopropylamine salt	100,387	1,327	75,008
Tulare	Corn (forage - fodder)	5	Glufosinate-ammonium	23,259	849	47,355
Tulare	Corn (forage - fodder)	5	Ammonium sulfate	8,073	723	39,252

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tulare	Corn (forage - fodder)	5	Glyphosate, potassium salt	50,297	720	35,812
Tulare	Corn (forage - fodder)	5	Etoazole	4,096	670	35,607
Tuolumne	Forest, timberland	1	Glyphosate, isopropylamine salt	8,868	90	2,084
Tuolumne	Forest, timberland	1	Glyphosate, dimethylamine salt	7,148	91	1,862
Tuolumne	Forest, timberland	1	Imazapyr, isopropylamine salt	503	49	1,003
Tuolumne	Forest, timberland	1	Strychnine	2	8	883
Tuolumne	Forest, timberland	1	Phosphoric acid	18	23	607
Tuolumne	Water area	2	Copper ethanolamine complexes, mixed	876	0	325
Tuolumne	Water area	2	Copper sulfate (pentahydrate)	141	0	17
Tuolumne	Water area	2	Copper ethylenediamine complex	50	0	12
Tuolumne	Water area	2	Copper triethanolamine complex	57	0	12
Tuolumne	Water area	2	Flumioxazin	< 1	0	2
Tuolumne	Golf course turf	3	Imidacloprid	24	0	50
Tuolumne	Golf course turf	3	Dithiopyr	56	0	42
Tuolumne	Golf course turf	3	Trinexapac-ethyl	< 1	0	24
Tuolumne	Golf course turf	3	Clopyralid, monoethanolamine salt	7	0	21
Tuolumne	Golf course turf	3	Chlorothalonil	90	0	15
Tuolumne	Rights of way	4	Glyphosate, isopropylamine salt	1,452	3	150
Tuolumne	Rights of way	4	Mineral oil	7	0	0
Tuolumne	Rights of way	4	Diquat dibromide	1	0	0
Tuolumne	Rights of way	4	Dithiopyr	326	0	0
Tuolumne	Rights of way	4	Urea dihydrogen sulfate	2	0	0
Tuolumne	Animal premise	5	Brodifacoum	< 1	5	85
Tuolumne	Animal premise	5	Bromadiolone	< 1	2	60
Ventura	Strawberry	1	Captan	146,782	1,802	87,518
Ventura	Strawberry	1	Captan, other related	2,276	1,296	59,618
Ventura	Strawberry	1	Mineral oil	3,212	925	45,445

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Ventura	Strawberry	1	Propionic acid	6,507	771	42,922
Ventura	Strawberry	1	Thiram	68,524	584	30,452
Ventura	Celery	2	Propiconazole	2,560	1,213	22,270
Ventura	Celery	2	Permethrin	2,074	552	11,178
Ventura	Celery	2	Chlorothalonil	20,307	541	10,435
Ventura	Celery	2	Chlorantraniliprole	955	473	8,700
Ventura	Celery	2	Methoxyfenozide	1,140	420	7,640
Ventura	Lemon	3	Mineral oil	805,080	1,359	25,941
Ventura	Lemon	3	Abamectin	339	838	16,998
Ventura	Lemon	3	Glufosinate-ammonium	9,727	1,202	16,034
Ventura	Lemon	3	Glyphosate, potassium salt	31,920	1,221	15,489
Ventura	Lemon	3	Glyphosate, isopropylamine salt	14,560	884	9,205
Ventura	Pepper, fruiting	4	Flutriafol	532	200	4,676
Ventura	Pepper, fruiting	4	Cryolite	37,736	147	3,637
Ventura	Pepper, fruiting	4	Chlorantraniliprole	318	147	3,256
Ventura	Pepper, fruiting	4	Novaluron	241	127	3,066
Ventura	Pepper, fruiting	4	Spinetoram	162	130	2,898
Ventura	Avocado	5	Mineral oil	180,969	711	12,328
Ventura	Avocado	5	Abamectin	231	556	11,208
Ventura	Avocado	5	Glyphosate, isopropylamine salt	20,208	1,750	10,895
Ventura	Avocado	5	Glyphosate, potassium salt	15,151	1,374	9,659
Ventura	Avocado	5	Carfentrazone-ethyl	1,492	587	4,320
Yolo	Almond	1	Chlorantraniliprole	1,868	307	24,423
Yolo	Almond	1	Citric acid	1,919	421	23,619
Yolo	Almond	1	Abamectin	311	284	22,438
Yolo	Almond	1	Azoxystrobin	3,800	251	20,881
Yolo	Almond	1	Phosphoric acid	1,070	333	20,245

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yolo	Grape, wine	2	Sulfur	1,434,786	2,737	116,985
Yolo	Grape, wine	2	Mineral oil	38,146	391	10,631
Yolo	Grape, wine	2	Methoxyfenozide	2,008	223	10,508
Yolo	Grape, wine	2	Glufosinate-ammonium	9,314	512	10,437
Yolo	Grape, wine	2	Fluopyram	873	216	8,762
Yolo	Tomato, processing	3	Bifenthrin	2,911	445	31,600
Yolo	Tomato, processing	3	Azoxystrobin	2,241	304	21,729
Yolo	Tomato, processing	3	Abamectin	302	298	19,411
Yolo	Tomato, processing	3	Chlorothalonil	34,966	248	18,273
Yolo	Tomato, processing	3	S-metolachlor	28,939	320	18,112
Yolo	Rice	4	Propanil	121,652	245	25,074
Yolo	Rice	4	Triclopyr, triethylamine salt	4,856	180	20,725
Yolo	Rice	4	Fatty acids, methyl esters	20,507	119	12,316
Yolo	Rice	4	Mineral oil	28,638	136	12,244
Yolo	Rice	4	Azoxystrobin	2,003	86	11,049
Yolo	Uncultivated ag	5	Glyphosate, isopropylamine salt	42,857	373	28,822
Yolo	Uncultivated ag	5	Ammonium sulfate	4,078	387	27,426
Yolo	Uncultivated ag	5	Oxyfluorfen	3,395	298	19,189
Yolo	Uncultivated ag	5	Citric acid	719	275	18,376
Yolo	Uncultivated ag	5	Phosphoric acid	452	251	15,854
Yuba	Rice	1	Propanil	160,466	547	36,096
Yuba	Rice	1	Lambda-cyhalothrin	960	473	26,708
Yuba	Rice	1	Benzobicyclon	4,864	346	21,191
Yuba	Rice	1	Halosulfuron-methyl	1,038	346	21,191
Yuba	Rice	1	Mineral oil	29,264	252	16,966
Yuba	Walnut	2	Copper hydroxide	38,573	227	11,027
Yuba	Walnut	2	Mancozeb	20,661	213	10,602

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yuba	Walnut	2	Glyphosate, potassium salt	17,450	195	8,536
Yuba	Walnut	2	Oxyfluorfen	2,415	180	6,906
Yuba	Walnut	2	Ammonium sulfate	1,685	194	5,587
Yuba	Prune	3	Esfenvalerate	324	90	4,876
Yuba	Prune	3	Propiconazole	601	107	4,812
Yuba	Prune	3	Mineral oil	51,938	96	4,699
Yuba	Prune	3	Chlorothalonil	11,648	73	3,994
Yuba	Prune	3	Isopropyl alcohol	314	36	3,423
Yuba	Almond	4	Glyphosate, potassium salt	4,182	34	2,109
Yuba	Almond	4	Abamectin	44	30	1,902
Yuba	Almond	4	Chlorantraniliprole	163	32	1,856
Yuba	Almond	4	Propiconazole	348	29	1,721
Yuba	Almond	4	Mineral oil	3,059	13	1,642
Yuba	Peach	5	Lambda-cyhalothrin	100	200	2,564
Yuba	Peach	5	Chlorantraniliprole	199	188	2,412
Yuba	Peach	5	Esfenvalerate	143	164	2,312
Yuba	Peach	5	Mineral oil	29,328	168	1,953
Yuba	Peach	5	Ziram	8,648	138	1,855