The Top Five Commodities by Pounds Applied in each County in 2024 and the Top Five Chemicals used

Text files of data are available. The ranking of commodities (sites) and chemicals is determined by total pounds of chemical used. 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. 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	Structural pest control	1	Sulfuryl fluoride	61,439	0	0
Alameda	Structural pest control	1	Phosphoric acid	14,774	0	0
Alameda	Structural pest control	1	Carbon dioxide	13,765	0	0
Alameda	Structural pest control	1	Disodium octaborate tetrahydrate	8,862	0	0
Alameda	Structural pest control	1	Boric acid	6,532	0	0
Alameda	Water (industrial)	2	Sodium chlorate	52,978	0	0
Alameda	Water (industrial)	2	Sodium hypochlorite	2,496	0	0
Alameda	Water (industrial)	2	Sodium bromide	1,898	0	0
Alameda	Water (industrial)	2	2,2-dibromo-3-nitrilopropionamide	515	0	0
Alameda	Water (industrial)	2	Glutaraldehyde	438	0	0
Alameda	Grape, wine	3	Sulfur	18,078	280	3,036
Alameda	Grape, wine	3	Hydrogen peroxide	9,286	426	3,347
Alameda	Grape, wine	3	Oxyfluorfen	3,128	456	1,463
Alameda	Grape, wine	3	Mineral oil	2,521	343	1,603
Alameda	Grape, wine	3	Lime-sulfur	2,153	33	266

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Landscape maintenance	4	Glyphosate, isopropylamine salt	10,107	0	0
Alameda	Landscape maintenance	4	Carbon dioxide	5,419	0	0
Alameda	Landscape maintenance	4	Glyphosate, potassium salt	4,377	0	0
Alameda	Landscape maintenance	4	Potassium phosphite	2,913	0	0
Alameda	Landscape maintenance	4	Chlorothalonil	2,032	0	0
Alameda	Rights of way	5	Glyphosate, isopropylamine salt	5,511	0	0
Alameda	Rights of way	5	Metam-sodium	5,274	0	0
Alameda	Rights of way	5	Dichlobenil	3,725	0	0
Alameda	Rights of way	5	Glyphosate, potassium salt	3,022	0	0
Alameda	Rights of way	5	Diquat dibromide	1,343	0	0
Alpine	Landscape maintenance	1	Triclopyr, butoxyethyl ester	311	0	0
Alpine	Landscape maintenance	1	Glyphosate, isopropylamine salt	< 1	0	0
Alpine	Landscape maintenance	1	Triclopyr, triethylamine salt	< 1	0	0
Alpine	Landscape maintenance	1	Glufosinate-ammonium	< 1	0	0
Alpine	Landscape maintenance	1	Ammonium sulfate	< 1	0	0
Alpine	Rights of way	2	Metam-sodium	80	0	0
Alpine	Rights of way	2	Sodium tetraborate decahydrate	63	0	0
Alpine	Rights of way	2	Triclopyr choline	56	0	0
Alpine	Rights of way	2	Glyphosate, isopropylamine salt	50	0	0
Alpine	Rights of way	2	Glyphosate, potassium salt	25	0	0
Alpine	Cannabis (all or unspecified)	3	Pyriproxyfen	224	1	17
Alpine	Structural pest control	4	Flumioxazin	56	0	0
Alpine	Structural pest control	4	Mineral oil	22	0	0
Alpine	Structural pest control	4	Glyphosate, isopropylamine salt	20	0	0
Alpine	Structural pest control	4	Bifenthrin	3	0	0
Alpine	Structural pest control	4	Deltamethrin	2	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alpine	Regulatory pest control	5	Aminopyralid, triisopropanolamine salt	2	0	0
Alpine	Regulatory pest control	5	Imazapyr, isopropylamine salt	2	0	0
Alpine	Regulatory pest control	5	Glyphosate, isopropylamine salt	1	0	0
Alpine	Regulatory pest control	5	Triclopyr, triethylamine salt	< 1	0	0
Alpine	Regulatory pest control	5	Clopyralid, monoethanolamine salt	< 1	0	0
Amador	Grape, wine	1	Sulfur	37,529	542	6,578
Amador	Grape, wine	1	Kaolin	2,981	13	126
Amador	Grape, wine	1	Mineral oil	1,901	202	2,832
Amador	Grape, wine	1	Glyphosate, isopropylamine salt	1,277	113	823
Amador	Grape, wine	1	Copper hydroxide	908	44	621
Amador	Rights of way	2	Glyphosate, isopropylamine salt	3,818	15	30
Amador	Rights of way	2	Triclopyr, butoxyethyl ester	1,142	0	0
Amador	Rights of way	2	Metam-sodium	399	0	0
Amador	Rights of way	2	Sodium tetraborate decahydrate	383	0	0
Amador	Rights of way	2	Triclopyr, triethylamine salt	193	9	17
Amador	Structural pest control	3	Boric acid	2,886	0	0
Amador	Structural pest control	3	Sulfuryl fluoride	588	0	0
Amador	Structural pest control	3	Dinotefuran	164	0	0
Amador	Structural pest control	3	Bifenthrin	71	0	0
Amador	Structural pest control	3	Limonene	66	0	0
Amador	Forest, timberland	4	Glyphosate, diammonium salt	2,143	44	1,048
Amador	Forest, timberland	4	Glyphosate, dimethylamine salt	553	13	317
Amador	Forest, timberland	4	Imazapyr, isopropylamine salt	320	38	1,058
Amador	Forest, timberland	4	Glyphosate, isopropylamine salt	275	3	110
Amador	Forest, timberland	4	Alkyl (c10-16) dimethyl amine oxide	226	47	1,158
Amador	Landscape maintenance	5	Glyphosate, isopropylamine salt	1,589	0	0
Amador	Landscape maintenance	5	Triclopyr, triethylamine salt	292	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Amador	Landscape maintenance	5	Glyphosate, potassium salt	117	0	0
Amador	Landscape maintenance	5	Glufosinate-ammonium	104	0	0
Amador	Landscape maintenance	5	Prodiamine	97	0	0
Butte	Rice	1	Propanil	421,893	1,243	100,575
Butte	Rice	1	Copper sulfate (pentahydrate)	308,745	339	23,048
Butte	Rice	1	Mineral oil	116,956	970	74,673
Butte	Rice	1	Thiobencarb	69,362	222	20,256
Butte	Rice	1	Sodium percarbonate	39,976	24	2,129
Butte	Walnut	2	Copper hydroxide	125,984	932	35,435
Butte	Walnut	2	Mancozeb	72,152	1,028	38,389
Butte	Walnut	2	Glyphosate, potassium salt	63,573	954	33,459
Butte	Walnut	2	Ethephon	23,911	447	26,454
Butte	Walnut	2	1,3-dichloropropene	23,580	29	71
Butte	Almond	3	Glyphosate, potassium salt	30,044	431	15,521
Butte	Almond	3	Glyphosate, isopropylamine salt	22,985	413	13,754
Butte	Almond	3	Chlorothalonil	15,443	99	5,278
Butte	Almond	3	Potassium phosphite	12,790	82	4,322
Butte	Almond	3	Ziram	12,578	47	2,124
Butte	Prune	4	Mineral oil	24,331	55	2,312
Butte	Prune	4	1,3-dichloropropene	21,326	3	65
Butte	Prune	4	Chlorothalonil	11,149	70	3,720
Butte	Prune	4	Glyphosate, potassium salt	7,437	119	3,880
Butte	Prune	4	Copper hydroxide	4,197	12	760
Butte	Rights of way	5	Glyphosate, isopropylamine salt	18,172	7	57
Butte	Rights of way	5	Metam-sodium	3,181	0	0
Butte	Rights of way	5	Dichlobenil	3,012	0	0
Butte	Rights of way	5	Oxyfluorfen	2,862	6	136

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Butte	Rights of way	5	Glyphosate, potassium salt	2,207	5	256
Calaveras	Forest, timberland	1	Glyphosate, diammonium salt	7,194	123	2,363
Calaveras	Forest, timberland	1	Glyphosate, isopropylamine salt	3,321	29	1,095
Calaveras	Forest, timberland	1	Imazapyr, isopropylamine salt	1,017	110	2,597
Calaveras	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	958	135	3,081
Calaveras	Forest, timberland	1	Glyphosate, dimethylamine salt	913	14	339
Calaveras	Rights of way	2	Dithiopyr	5,185	0	0
Calaveras	Rights of way	2	Isoxaben	4,133	0	0
Calaveras	Rights of way	2	Glyphosate, isopropylamine salt	730	8	16
Calaveras	Rights of way	2	Imazapyr, isopropylamine salt	627	0	0
Calaveras	Rights of way	2	Glyphosate, potassium salt	528	0	0
Calaveras	Grape, wine	3	Sulfur	8,671	149	1,557
Calaveras	Grape, wine	3	Glyphosate, isopropylamine salt	357	33	223
Calaveras	Grape, wine	3	Copper hydroxide	189	24	229
Calaveras	Grape, wine	3	Mineral oil	170	90	772
Calaveras	Grape, wine	3	Pendimethalin	152	8	123
Calaveras	Landscape maintenance	4	Glyphosate, isopropylamine salt	1,812	0	0
Calaveras	Landscape maintenance	4	2,4-d, butoxyethanol ester	1,770	0	0
Calaveras	Landscape maintenance	4	Chlorothalonil	905	0	0
Calaveras	Landscape maintenance	4	Glyphosate, potassium salt	819	0	0
Calaveras	Landscape maintenance	4	Mineral oil	657	0	0
Calaveras	Animal premise	5	Boric acid	5,920	0	8
Calaveras	Animal premise	5	Permethrin	477	0	27
Calaveras	Animal premise	5	Hydrogen peroxide	27	0	8
Calaveras	Animal premise	5	Alkyl* dimethyl benzyl ammonium chloride *(50%c14, 40%c12, 10%c16)	14	0	14
Calaveras	Animal premise	5	Spinosad	5	0	14

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Colusa	Rice	1	Propanil	525,801	1,580	121,219
Colusa	Rice	1	Fatty acids, methyl esters	90,653	772	71,246
Colusa	Rice	1	Copper sulfate (pentahydrate)	88,440	77	7,213
Colusa	Rice	1	Mineral oil	39,030	333	24,199
Colusa	Rice	1	Thiobencarb	35,519	153	12,524
Colusa	Almond	2	Glyphosate, potassium salt	108,282	862	40,198
Colusa	Almond	2	Chlorothalonil	77,015	516	34,756
Colusa	Almond	2	Mineral oil	63,352	226	14,263
Colusa	Almond	2	Glufosinate-ammonium	33,417	566	28,122
Colusa	Almond	2	Methoxyfenozide	23,083	1,238	64,815
Colusa	Tomato, processing	3	Kaolin	93,442	60	3,255
Colusa	Tomato, processing	3	Sulfur	68,472	90	6,089
Colusa	Tomato, processing	3	Chlorothalonil	17,919	129	9,266
Colusa	Tomato, processing	3	S-metolachlor	14,775	180	8,863
Colusa	Tomato, processing	3	Glyphosate, potassium salt	9,550	46	3,100
Colusa	Walnut	4	Mineral oil	34,073	125	8,264
Colusa	Walnut	4	Glyphosate, potassium salt	30,303	197	11,208
Colusa	Walnut	4	Copper hydroxide	13,303	87	5,537
Colusa	Walnut	4	Glufosinate-ammonium	9,749	212	8,279
Colusa	Walnut	4	Mancozeb	8,950	120	7,835
Colusa	Uncultivated ag	5	Glyphosate, potassium salt	47,010	224	15,073
Colusa	Uncultivated ag	5	Glyphosate, isopropylamine salt	10,898	64	5,395
Colusa	Uncultivated ag	5	Fatty acids, methyl esters	9,454	167	11,892
Colusa	Uncultivated ag	5	Ammonium sulfate	3,136	255	18,489
Colusa	Uncultivated ag	5	Diglycolamine salt of 3,6-dichloro-o-anisic acid	2,855	26	2,511
Contra costa	Tomato, processing	1	Sulfur	91,075	110	4,329

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Contra costa	Tomato, processing	1	S-metolachlor	4,106	95	3,461
Contra costa	Tomato, processing	1	Chlorothalonil	1,883	26	962
Contra costa	Tomato, processing	1	Glyphosate, potassium salt	1,554	31	1,056
Contra costa	Tomato, processing	1	Carbaryl	1,493	57	2,211
Contra costa	Water area	2	Copper ethylenediamine complex	48,714	0	1,603
Contra costa	Water area	2	Endothall, dipotassium salt	27,514	0	1,621
Contra costa	Water area	2	Diquat dibromide	8,919	0	717
Contra costa	Water area	2	Glyphosate, isopropylamine salt	3,805	0	391
Contra costa	Water area	2	Acrolein	3,124	0	320
Contra costa	Grape, wine	3	Sulfur	63,658	349	4,412
Contra costa	Grape, wine	3	Potassium bicarbonate	2,439	81	1,161
Contra costa	Grape, wine	3	Lime-sulfur	1,891	7	99
Contra costa	Grape, wine	3	Mineral oil	1,005	48	168
Contra costa	Grape, wine	3	Pendimethalin	951	32	251
Contra costa	Landscape maintenance	4	Glyphosate, isopropylamine salt	16,084	1	1
Contra costa	Landscape maintenance	4	Potassium phosphite	3,601	0	0
Contra costa	Landscape maintenance	4	Diquat dibromide	2,895	0	0
Contra costa	Landscape maintenance	4	Dithiopyr	2,721	0	0
Contra costa	Landscape maintenance	4	Chlorothalonil	2,703	0	0
Contra costa	Structural pest control	5	Sulfuryl fluoride	13,711	0	0
Contra costa	Structural pest control	5	Boric acid	6,470	0	0
Contra costa	Structural pest control	5	Carbon dioxide	5,937	0	0
Contra costa	Structural pest control	5	Disodium octaborate tetrahydrate	3,315	0	0
Contra costa	Structural pest control	5	Dinotefuran	2,784	0	0
Del norte	Soil fumigation/preplant	1	Metam-sodium	68,658	52	214
Del norte	N-outdr flower	2	1,3-dichloropropene	45,119	18	185
Del norte	N-outdr flower	2	Copper hydroxide	6,802	538	3,791

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Del norte	N-outdr flower	2	Chlorothalonil	1,725	290	2,044
Del norte	N-outdr flower	2	Diuron	893	93	624
Del norte	N-outdr flower	2	Ethoprop	692	71	186
Del norte	Forest, timberland	3	Triclopyr, butoxyethyl ester	2,042	78	1,124
Del norte	Forest, timberland	3	Triclopyr choline	1,361	35	590
Del norte	Forest, timberland	3	Imazapyr, isopropylamine salt	977	102	1,754
Del norte	Forest, timberland	3	Glyphosate, isopropylamine salt	175	2	88
Del norte	Forest, timberland	3	Clopyralid, monoethanolamine salt	152	50	881
Del norte	Landscape maintenance	4	Glyphosate, potassium salt	585	0	0
Del norte	Landscape maintenance	4	Dithiopyr	19	0	0
Del norte	Landscape maintenance	4	Glyphosate, isopropylamine salt	17	0	0
Del norte	Landscape maintenance	4	Triclopyr, butoxyethyl ester	< 1	0	0
Del norte	Structural pest control	5	Disodium octaborate tetrahydrate	293	0	0
Del norte	Structural pest control	5	Bifenthrin	19	0	0
Del norte	Structural pest control	5	Boric acid	14	0	0
Del norte	Structural pest control	5	Silica gel	5	0	0
Del norte	Structural pest control	5	Dinotefuran	5	0	0
El dorado	Forest, timberland	1	Glyphosate, isopropylamine salt	30,935	375	7,836
El dorado	Forest, timberland	1	Glyphosate, diammonium salt	10,922	148	2,075
El dorado	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,614	484	7,934
El dorado	Forest, timberland	1	Oxyfluorfen	2,097	28	1,261
El dorado	Forest, timberland	1	Imazapyr, isopropylamine salt	1,940	225	3,545
El dorado	Grape, wine	2	Mineral oil	16,733	414	3,754
El dorado	Grape, wine	2	Sulfur	14,672	505	4,630
El dorado	Grape, wine	2	Kaolin	3,064	7	130
El dorado	Grape, wine	2	Glyphosate, isopropylamine salt	2,179	153	1,161
El dorado	Grape, wine	2	Pendimethalin	475	66	366

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
El dorado	Structural pest control	3	Permethrin	10,458	0	0
El dorado	Structural pest control	3	Piperonyl butoxide	8,434	0	0
El dorado	Structural pest control	3	Lambda-cyhalothrin	5,648	0	0
El dorado	Structural pest control	3	Pyriproxyfen	1,819	0	0
El dorado	Structural pest control	3	Sulfuryl fluoride	1,306	0	0
El dorado	Rights of way	4	Glyphosate, isopropylamine salt	9,201	4	40
El dorado	Rights of way	4	Oxyfluorfen	3,244	4	47
El dorado	Rights of way	4	Metam-sodium	1,442	0	0
El dorado	Rights of way	4	Sodium tetraborate decahydrate	1,322	0	0
El dorado	Rights of way	4	Triclopyr, triethylamine salt	1,092	0	0
El dorado	Landscape maintenance	5	Glyphosate, isopropylamine salt	5,195	1	1
El dorado	Landscape maintenance	5	Mineral oil	3,698	0	0
El dorado	Landscape maintenance	5	Chlorothalonil	2,430	0	0
El dorado	Landscape maintenance	5	Oxyfluorfen	591	0	0
El dorado	Landscape maintenance	5	Triclopyr, triethylamine salt	430	0	0
Fresno	Tomato, processing	1	Potassium n-methyldithiocarbamate	1,890,771	200	10,771
Fresno	Tomato, processing	1	Sulfur	1,834,920	630	72,345
Fresno	Tomato, processing	1	Metam-sodium	119,906	29	394
Fresno	Tomato, processing	1	Kaolin	83,239	28	2,754
Fresno	Tomato, processing	1	Glyphosate, isopropylamine salt	70,770	223	27,383
Fresno	Almond	2	Mineral oil	1,975,623	4,244	216,938
Fresno	Almond	2	Glyphosate, potassium salt	254,840	3,195	121,263
Fresno	Almond	2	Glyphosate, isopropylamine salt	245,140	3,044	128,700
Fresno	Almond	2	1,3-dichloropropene	243,505	30	738
Fresno	Almond	2	Sulfur	175,720	270	23,647
Fresno	Grape	3	Sulfur	2,692,924	12,680	409,431
Fresno	Grape	3	Lime-sulfur	63,993	208	8,722

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Fresno	Grape	3	1,3-dichloropropene	47,947	8	147
Fresno	Grape	3	Diatomaceous earth	38,942	28	1,471
Fresno	Grape	3	Copper hydroxide	29,550	1,243	40,816
Fresno	Grape, wine	4	Sulfur	1,515,310	2,680	213,517
Fresno	Grape, wine	4	1,3-dichloropropene	45,910	2	139
Fresno	Grape, wine	4	Glufosinate-ammonium	38,335	853	41,553
Fresno	Grape, wine	4	Lime-sulfur	30,784	85	4,991
Fresno	Grape, wine	4	Mineral oil	29,962	328	11,768
Fresno	Pistachio	5	Mineral oil	295,311	1,288	118,712
Fresno	Pistachio	5	Sulfur	172,779	338	44,998
Fresno	Pistachio	5	Glyphosate, potassium salt	167,445	1,322	75,414
Fresno	Pistachio	5	Glyphosate, isopropylamine salt	138,851	1,252	70,822
Fresno	Pistachio	5	Glufosinate-ammonium	86,608	1,616	79,205
Glenn	Almond	1	1,3-dichloropropene	141,226	6	442
Glenn	Almond	1	Chlorothalonil	66,398	256	22,325
Glenn	Almond	1	Glyphosate, isopropylamine salt	65,416	810	28,856
Glenn	Almond	1	Glyphosate, potassium salt	63,326	371	29,883
Glenn	Almond	1	Sulfur	61,930	241	11,805
Glenn	Rice	2	Propanil	368,069	1,393	81,288
Glenn	Rice	2	Copper sulfate (pentahydrate)	130,692	163	10,286
Glenn	Rice	2	Ammonium sulfate	31,591	622	37,024
Glenn	Rice	2	Thiobencarb	29,883	128	8,504
Glenn	Rice	2	Mineral oil	27,341	310	22,853
Glenn	Walnut	3	Copper hydroxide	60,929	439	14,678
Glenn	Walnut	3	Kaolin	30,645	33	840
Glenn	Walnut	3	1,3-dichloropropene	30,582	58	93
Glenn	Walnut	3	Mancozeb	30,084	525	17,123

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Glenn	Walnut	3	Glyphosate, isopropylamine salt	19,859	609	10,587
Glenn	Olive	4	Copper hydroxide	49,630	206	11,730
Glenn	Olive	4	Glyphosate, isopropylamine salt	9,854	137	3,399
Glenn	Olive	4	Potassium phosphite	6,677	61	2,033
Glenn	Olive	4	Glufosinate-ammonium	4,228	134	3,442
Glenn	Olive	4	Mineral oil	3,742	151	9,342
Glenn	Rights of way	5	Glyphosate, isopropylamine salt	16,427	0	0
Glenn	Rights of way	5	Endothall, dipotassium salt	6,963	0	0
Glenn	Rights of way	5	Glyphosate, potassium salt	6,207	0	0
Glenn	Rights of way	5	Triclopyr, triethylamine salt	2,810	0	0
Glenn	Rights of way	5	Diuron	2,638	0	0
Humboldt	Forest, timberland	1	Imazapyr, isopropylamine salt	5,976	437	9,361
Humboldt	Forest, timberland	1	Triclopyr, butoxyethyl ester	4,015	153	2,710
Humboldt	Forest, timberland	1	Glyphosate, isopropylamine salt	1,895	52	1,587
Humboldt	Forest, timberland	1	Triclopyr choline	1,388	41	853
Humboldt	Forest, timberland	1	Glyphosate, diammonium salt	561	29	544
Humboldt	Structural pest control	2	Disodium octaborate tetrahydrate	1,346	0	0
Humboldt	Structural pest control	2	Sulfuryl fluoride	306	0	0
Humboldt	Structural pest control	2	Bifenthrin	133	0	0
Humboldt	Structural pest control	2	Boric acid	91	0	0
Humboldt	Structural pest control	2	Imidacloprid	90	0	0
Humboldt	Rights of way	3	Metam-sodium	911	0	0
Humboldt	Rights of way	3	Glyphosate, diammonium salt	568	0	0
Humboldt	Rights of way	3	Imazapyr, isopropylamine salt	261	0	0
Humboldt	Rights of way	3	Alkyl (c10-16) dimethyl amine oxide	205	0	0
Humboldt	Rights of way	3	Sodium tetraborate decahydrate	71	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Humboldt	Cannabis (all or unspecified)	4	Potassium laurate	515	54	21
Humboldt	Cannabis (all or unspecified)	4	Mineral oil	353	102	13
Humboldt	Cannabis (all or unspecified)	4	Potassium phosphite	246	53	10
Humboldt	Cannabis (all or unspecified)	4	Burkholderia rinojensis strain a396	139	90	8
Humboldt	Cannabis (all or unspecified)	4	Chromobacterium subtsugae strain: praa4-1	48	95	10
Humboldt	Water area	5	Mineral oil	579	0	80
Humboldt	Water area	5	Imazapyr, isopropylamine salt	128	0	80
Humboldt	Water area	5	Glyphosate, isopropylamine salt	1	0	2
Imperial	Alfalfa	1	Pendimethalin	295,716	2,104	140,961
Imperial	Alfalfa	1	Sulfur	182,078	77	6,727
Imperial	Alfalfa	1	Mineral oil	109,425	1,587	106,271
Imperial	Alfalfa	1	Eptc	69,550	395	31,348
Imperial	Alfalfa	1	2,4-db, dimethylamine salt	56,523	817	54,478
Imperial	Sugarbeet	2	Sulfur	325,982	257	17,592
Imperial	Sugarbeet	2	Glyphosate, potassium salt	40,592	478	34,483
Imperial	Sugarbeet	2	Glyphosate, isopropylamine salt	29,201	320	22,893
Imperial	Sugarbeet	2	Mineral oil	23,656	332	21,852
Imperial	Sugarbeet	2	Methoxyfenozide	6,872	611	44,098
Imperial	Bermudagrass	3	Sulfur	346,983	210	15,800
Imperial	Bermudagrass	3	Trifluralin	40,253	271	20,215
Imperial	Bermudagrass	3	2,4-d, dimethylamine salt	26,752	271	17,882
Imperial	Bermudagrass	3	Mineral oil	16,113	234	15,674
Imperial	Bermudagrass	3	Diglycolamine salt of 3,6-dichloro-o-anisic acid	4,946	81	6,075

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Imperial	Carrot	4	1,3-dichloropropene	226,804	54	2,291
Imperial	Carrot	4	Sulfur	86,970	294	8,480
Imperial	Carrot	4	Linuron	6,778	159	8,005
Imperial	Carrot	4	Mineral oil	6,179	171	8,722
Imperial	Carrot	4	Caprylic acid	6,122	12	432
Imperial	Lemon	5	Mineral oil	195,355	328	12,382
Imperial	Lemon	5	Kaolin	78,453	46	1,375
Imperial	Lemon	5	Glyphosate, potassium salt	4,299	47	1,721
Imperial	Lemon	5	Imidacloprid	1,549	79	3,115
Imperial	Lemon	5	Glyphosate, isopropylamine salt	1,514	26	1,134
Inyo	Rights of way	1	Triclopyr, butoxyethyl ester	1,729	0	0
Inyo	Rights of way	1	Glyphosate, isopropylamine salt	1,263	0	0
Inyo	Rights of way	1	Simazine	199	0	0
Inyo	Rights of way	1	Mineral oil	96	0	0
Inyo	Rights of way	1	2,4-d, dimethylamine salt	90	0	0
Inyo	Alfalfa	2	Glyphosate, isopropylamine salt	420	5	210
Inyo	Alfalfa	2	Fatty acids, methyl esters	313	2	180
Inyo	Alfalfa	2	Ammonium sulfate	283	6	330
Inyo	Alfalfa	2	Hexazinone	127	5	337
Inyo	Alfalfa	2	Pendimethalin	114	1	60
Inyo	Structural pest control	3	Bifenthrin	210	0	0
Inyo	Structural pest control	3	Deltamethrin	54	0	0
Inyo	Structural pest control	3	Cypermethrin	48	0	0
Inyo	Structural pest control	3	Fipronil	28	0	0
Inyo	Structural pest control	3	Dinotefuran	15	0	0
Inyo	N-grnhs flower	4	Mancozeb	135	0	10
Inyo	N-grnhs flower	4	Ethephon	121	0	32

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Inyo	N-grnhs flower	4	Thiamethoxam	22	0	84
Inyo	N-grnhs flower	4	Dithiopyr	20	0	84
Inyo	N-grnhs flower	4	Imidacloprid	17	0	46
Inyo	Forage hay/silage	5	Glyphosate, isopropylamine salt	160	1	80
Inyo	Forage hay/silage	5	2,4-d, dimethylamine salt	87	1	80
Inyo	Forage hay/silage	5	Ammonium sulfate	8	1	80
Kern	Almond	1	Mineral oil	3,444,032	4,197	339,483
Kern	Almond	1	Glyphosate, potassium salt	453,798	3,725	191,048
Kern	Almond	1	1,3-dichloropropene	236,850	37	729
Kern	Almond	1	Chloropicrin	222,400	67	1,241
Kern	Almond	1	Glyphosate, isopropylamine salt	174,428	1,848	94,668
Kern	Grape	2	Sulfur	2,368,071	9,809	452,679
Kern	Grape	2	Lime-sulfur	348,951	614	27,575
Kern	Grape	2	1,3-dichloropropene	122,476	21	380
Kern	Grape	2	Hydrogen cyanamide	106,230	214	7,904
Kern	Grape	2	Calcium hydroxide	97,901	221	14,837
Kern	Orange	3	Mineral oil	1,787,377	2,870	99,938
Kern	Orange	3	Calcium hydroxide	500,017	519	20,826
Kern	Orange	3	Kaolin	121,261	123	2,507
Kern	Orange	3	Copper sulfate (basic)	58,767	361	13,433
Kern	Orange	3	Glyphosate, potassium salt	28,255	404	13,810
Kern	Tangerine	4	Mineral oil	1,445,247	1,496	73,351
Kern	Tangerine	4	Kaolin	371,253	358	7,812
Kern	Tangerine	4	Calcium hydroxide	107,446	199	9,377
Kern	Tangerine	4	Copper sulfate (basic)	23,844	119	6,168
Kern	Tangerine	4	Glyphosate, potassium salt	22,900	301	11,386
Kern	Pistachio	5	Sulfur	698,414	730	86,718

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kern	Pistachio	5	Mineral oil	326,272	760	68,527
Kern	Pistachio	5	Glyphosate, potassium salt	220,222	2,229	112,279
Kern	Pistachio	5	Ammonium sulfate	122,957	2,499	124,210
Kern	Pistachio	5	Buprofezin	104,527	466	61,678
Kings	Tomato, processing	1	Sulfur	1,269,958	330	50,776
Kings	Tomato, processing	1	Kaolin	66,226	12	1,743
Kings	Tomato, processing	1	Chlorothalonil	42,480	170	21,134
Kings	Tomato, processing	1	Trifluralin	15,710	126	19,510
Kings	Tomato, processing	1	S-metolachlor	12,636	68	9,825
Kings	Cotton	2	Glyphosate, potassium salt	157,169	612	112,736
Kings	Cotton	2	Urea dihydrogen sulfate	141,066	413	75,707
Kings	Cotton	2	Malathion	114,445	210	52,964
Kings	Cotton	2	Naled	62,933	250	58,684
Kings	Cotton	2	Ethephon	60,722	426	77,122
Kings	Soil fumigation/preplant	3	Potassium n-methyldithiocarbamate	287,800	40	2,143
Kings	Soil fumigation/preplant	3	Paraquat dichloride	141,253	479	109,244
Kings	Soil fumigation/preplant	3	Pendimethalin	101,625	297	71,899
Kings	Soil fumigation/preplant	3	Glyphosate, potassium salt	42,994	180	27,694
Kings	Soil fumigation/preplant	3	1,3-dichloropropene	40,171	2	122
Kings	Almond	4	Mineral oil	340,655	777	38,101
Kings	Almond	4	Glyphosate, potassium salt	46,338	435	21,716
Kings	Almond	4	Glyphosate, isopropylamine salt	30,433	419	16,594
Kings	Almond	4	Glufosinate-ammonium	28,916	590	24,159
Kings	Almond	4	1,3-dichloropropene	19,499	5	59
Kings	Pistachio	5	Sulfur	124,609	167	16,910
Kings	Pistachio	5	Glyphosate, potassium salt	76,115	648	40,215
Kings	Pistachio	5	Mineral oil	58,265	349	20,912

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kings	Pistachio	5	Glufosinate-ammonium	48,136	936	43,821
Kings	Pistachio	5	Pendimethalin	35,603	315	17,006
Lake	Grape, wine	1	Sulfur	264,001	1,118	35,492
Lake	Grape, wine	1	Mineral oil	57,051	348	7,587
Lake	Grape, wine	1	Kaolin	8,189	13	542
Lake	Grape, wine	1	Glyphosate, isopropylamine salt	3,387	171	2,305
Lake	Grape, wine	1	Glufosinate-ammonium	3,312	189	3,514
Lake	Pear	2	Mineral oil	127,934	255	5,597
Lake	Pear	2	Lime-sulfur	13,678	21	379
Lake	Pear	2	Sulfur	10,402	38	938
Lake	Pear	2	Mancozeb	7,961	83	1,878
Lake	Pear	2	Copper oxychloride	1,984	58	992
Lake	Landscape maintenance	3	Glyphosate, isopropylamine salt	20,583	0	0
Lake	Landscape maintenance	3	Diuron	1,655	0	0
Lake	Landscape maintenance	3	Glyphosate, potassium salt	1,216	1	1
Lake	Landscape maintenance	3	Dithiopyr	828	0	0
Lake	Landscape maintenance	3	Flumioxazin	707	0	0
Lake	Water area	4	Endothall, dipotassium salt	7,537	0	223
Lake	Water area	4	Hydrogen peroxide	192	0	0
Lake	Water area	4	Peroxyacetic acid	131	0	0
Lake	Water area	4	Diquat dibromide	97	0	14
Lake	Water area	4	Triclopyr, triethylamine salt	46	0	10
Lake	Cannabis (all or unspecified)	5	Burkholderia rinojensis strain a396	2,180	67	276
Lake	Cannabis (all or unspecified)	5	Bacillus velezensis strain: d747	1,843	85	349
Lake	Cannabis (all or unspecified)	5	Mineral oil	1,384	31	90

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lake	Cannabis (all or unspecified)	5	Bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	243	29	102
Lake	Cannabis (all or unspecified)	5	Chromobacterium subtsugae strain: praa4-1	177	66	244
Lassen	Strawberry	1	Methyl bromide	38,473	5	191
Lassen	Strawberry	1	Chloropicrin	15,257	2	101
Lassen	Strawberry	1	Sulfur	12,577	87	3,375
Lassen	Strawberry	1	Thiram	1,242	22	884
Lassen	Strawberry	1	Fosetyl-al	985	8	277
Lassen	Forest, timberland	2	Glyphosate, isopropylamine salt	21,459	76	7,353
Lassen	Forest, timberland	2	Glyphosate, diammonium salt	7,375	53	1,672
Lassen	Forest, timberland	2	Imazapyr, isopropylamine salt	3,608	67	7,058
Lassen	Forest, timberland	2	Hexazinone	1,769	17	1,370
Lassen	Forest, timberland	2	Triclopyr, triethylamine salt	1,388	17	846
Lassen	Soil fumigation/preplant	3	Methyl bromide	17,536	4	83
Lassen	Soil fumigation/preplant	3	Chloropicrin	11,226	4	83
Lassen	Soil fumigation/preplant	3	Bacillus velezensis strain: d747	18	1	16
Lassen	Soil fumigation/preplant	3	Bifenazate	6	1	16
Lassen	Soil fumigation/preplant	3	Mefenoxam	4	1	16
Lassen	Alfalfa	4	Glyphosate, isopropylamine salt	7,443	75	5,160
Lassen	Alfalfa	4	Metribuzin	2,338	67	5,943
Lassen	Alfalfa	4	Ammonium sulfate	1,075	40	3,237
Lassen	Alfalfa	4	Imazethapyr, ammonium salt	774	81	7,876
Lassen	Alfalfa	4	Mineral oil	763	23	1,591
Lassen	Rights of way	5	Glufosinate-ammonium	7,041	0	0
Lassen	Rights of way	5	2,4-d, 2-ethylhexyl ester	1,757	0	0
Lassen	Rights of way	5	Glyphosate, isopropylamine salt	747	5	50

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lassen	Rights of way	5	Triclopyr, triethylamine salt	300	0	0
Lassen	Rights of way	5	Aminopyralid, triisopropanolamine salt	243	2	9
Los angeles	Structural pest control	1	Sulfuryl fluoride	637,903	0	0
Los angeles	Structural pest control	1	Boric acid	138,950	0	0
Los angeles	Structural pest control	1	Dinotefuran	52,419	0	0
Los angeles	Structural pest control	1	Disodium octaborate tetrahydrate	49,890	0	0
Los angeles	Structural pest control	1	Deltamethrin	16,173	0	0
Los angeles	Carrot	2	Potassium n-methyldithiocarbamate	419,273	16	1,250
Los angeles	Carrot	2	Hydrogen peroxide	3,314	18	1,527
Los angeles	Carrot	2	Pendimethalin	1,699	23	1,794
Los angeles	Carrot	2	Mefenoxam	1,311	66	5,833
Los angeles	Carrot	2	Linuron	766	42	2,761
Los angeles	Rights of way	3	Dichlobenil	49,721	0	0
Los angeles	Rights of way	3	Metam-sodium	39,626	0	0
Los angeles	Rights of way	3	Glyphosate, isopropylamine salt	31,963	2	0
Los angeles	Rights of way	3	Triclopyr choline	10,467	0	0
Los angeles	Rights of way	3	Sodium tetraborate decahydrate	8,155	0	0
Los angeles	Landscape maintenance	4	Glyphosate, isopropylamine salt	25,211	1	360
Los angeles	Landscape maintenance	4	Carbon dioxide	18,610	0	0
Los angeles	Landscape maintenance	4	Chlorothalonil	14,843	0	0
Los angeles	Landscape maintenance	4	Glyphosate, potassium salt	10,211	0	0
Los angeles	Landscape maintenance	4	Potassium phosphite	7,664	0	0
Los angeles	Water (industrial)	5	Sodium hypochlorite	50,854	0	0
Los angeles	Water (industrial)	5	Sodium bromide	26,984	0	0
Los angeles	Water (industrial)	5	1-bromo-3-chloro-5,5-dimethyl hydantoin	19,668	0	0
Los angeles	Water (industrial)	5	Glutaraldehyde	13,571	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Los angeles	Water (industrial)	5	Alkyl(42%c12, 26%c18, 15%c14, 8%c16, 5%c10, 4%c8)1,3-propylenediamine	8,276	0	2
Madera	Almond	1	Mineral oil	1,042,858	2,548	141,046
Madera	Almond	1	Glyphosate, potassium salt	200,167	2,215	101,859
Madera	Almond	1	Glyphosate, isopropylamine salt	147,258	1,835	92,529
Madera	Almond	1	Glufosinate-ammonium	137,521	3,154	152,892
Madera	Almond	1	Pendimethalin	85,538	587	29,447
Madera	Grape, wine	2	Sulfur	1,367,457	2,483	178,611
Madera	Grape, wine	2	1,3-dichloropropene	24,980	2	76
Madera	Grape, wine	2	Lime-sulfur	23,904	53	3,884
Madera	Grape, wine	2	Glyphosate, potassium salt	23,394	309	10,507
Madera	Grape, wine	2	Mineral oil	20,416	184	10,435
Madera	Grape	3	Sulfur	1,099,599	2,633	139,097
Madera	Grape	3	Glyphosate, isopropylamine salt	13,226	348	8,656
Madera	Grape	3	Glufosinate-ammonium	9,964	431	10,225
Madera	Grape	3	Copper hydroxide	9,801	226	10,813
Madera	Grape	3	Hydrogen cyanamide	8,733	17	495
Madera	Pistachio	4	Mineral oil	146,896	436	19,692
Madera	Pistachio	4	Glyphosate, potassium salt	99,189	942	46,148
Madera	Pistachio	4	Glufosinate-ammonium	55,880	1,280	66,128
Madera	Pistachio	4	Glyphosate, isopropylamine salt	42,495	619	30,159
Madera	Pistachio	4	Sulfur	34,331	65	6,461
Madera	Tomato, processing	5	Potassium n-methyldithiocarbamate	144,630	21	465
Madera	Tomato, processing	5	Sulfur	114,140	72	5,009
Madera	Tomato, processing	5	Chlorothalonil	10,087	83	4,980
Madera	Tomato, processing	5	S-metolachlor	4,751	52	2,940
Madera	Tomato, processing	5	Glyphosate, isopropylamine salt	4,025	27	2,079

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Marin	Structural pest control	1	Sulfuryl fluoride	17,573	0	0
Marin	Structural pest control	1	Chlorfenapyr	2,361	0	0
Marin	Structural pest control	1	Lambda-cyhalothrin	1,388	0	0
Marin	Structural pest control	1	Boric acid	1,361	0	0
Marin	Structural pest control	1	Disodium octaborate tetrahydrate	923	0	0
Marin	Landscape maintenance	2	Potassium phosphite	10,802	0	0
Marin	Landscape maintenance	2	Mineral oil	5,207	0	0
Marin	Landscape maintenance	2	Prodiamine	3,633	0	0
Marin	Landscape maintenance	2	Glyphosate, isopropylamine salt	536	0	0
Marin	Landscape maintenance	2	Chlorothalonil	471	4	4
Marin	Water area	3	Copper ethanolamine complexes, mixed	12,724	0	0
Marin	Water area	3	Copper ethylenediamine complex	1,282	0	0
Marin	Water area	3	Diquat dibromide	1,268	0	177
Marin	Water area	3	Limonene	67	0	142
Marin	Water area	3	Imazapyr, isopropylamine salt	2	0	< 1
Marin	Grape, wine	4	Sulfur	3,018	103	665
Marin	Grape, wine	4	Mineral oil	848	51	243
Marin	Grape, wine	4	Bacillus amyloliquefacens strain: f727	126	4	32
Marin	Grape, wine	4	Bacillus thuringiensis subsp. kurstaki strain: abts-351	65	13	118
Marin	Grape, wine	4	Glufosinate-ammonium	48	29	83
Marin	Rights of way	5	Metam-sodium	2,913	0	0
Marin	Rights of way	5	Sodium tetraborate decahydrate	416	0	0
Marin	Rights of way	5	Diquat dibromide	72	0	0
Marin	Rights of way	5	Aminopyralid, triisopropanolamine salt	64	0	0
Marin	Rights of way	5	Ammonium sulfate	62	0	0
Mariposa	Rights of way	1	Glyphosate, isopropylamine salt	1,047	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mariposa	Rights of way	1	Sodium tetraborate decahydrate	466	0	0
Mariposa	Rights of way	1	Metam-sodium	389	0	0
Mariposa	Rights of way	1	Glufosinate-ammonium	283	0	0
Mariposa	Rights of way	1	Clopyralid, monoethanolamine salt	67	0	0
Mariposa	Landscape maintenance	2	Glyphosate, isopropylamine salt	1,092	0	0
Mariposa	Landscape maintenance	2	Aminopyralid, triisopropanolamine salt	424	0	0
Mariposa	Landscape maintenance	2	Triclopyr, triethylamine salt	236	0	0
Mariposa	Landscape maintenance	2	Glufosinate-ammonium	117	0	0
Mariposa	Landscape maintenance	2	Imazapyr, isopropylamine salt	81	0	0
Mariposa	Structural pest control	3	Sulfuryl fluoride	409	0	0
Mariposa	Structural pest control	3	Glyphosate, isopropylamine salt	163	0	0
Mariposa	Structural pest control	3	Piperonyl butoxide	57	0	0
Mariposa	Structural pest control	3	Bifenthrin	52	0	0
Mariposa	Structural pest control	3	Fipronil	30	0	0
Mariposa	Apple	4	Glyphosate, potassium salt	163	5	20
Mariposa	Apple	4	Petroleum oil, sulfurized	116	2	8
Mariposa	Apple	4	Copper hydroxide	12	3	9
Mariposa	Apple	4	Streptomycin sulfate	3	3	12
Mariposa	Apple	4	Piperonyl butoxide	3	2	8
Mariposa	Forest, timberland	5	Glyphosate, isopropylamine salt	67	3	37
Mariposa	Forest, timberland	5	Triclopyr, triethylamine salt	12	13	31
Mariposa	Forest, timberland	5	Triclopyr, butoxyethyl ester	3	5	11
Mendocino	Grape, wine	1	Sulfur	394,929	2,337	54,442
Mendocino	Grape, wine	1	Mineral oil	112,858	798	19,608
Mendocino	Grape, wine	1	Potassium bicarbonate	6,427	85	1,879
Mendocino	Grape, wine	1	Copper oxychloride	4,994	222	7,095
Mendocino	Grape, wine	1	Kaolin	4,647	19	229

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mendocino	Lumber, treated	2	Octhilinone	156,772	0	0
Mendocino	Lumber, treated	2	5-chloro-2-methyl-4-isothiazolin-3-one	62,687	0	0
Mendocino	Lumber, treated	2	2-methyl-4-isothiazolin-3-one	22,302	0	0
Mendocino	Lumber, treated	2	Copper ethanolamine complexes, mixed	2	0	0
Mendocino	Lumber, treated	2	Propiconazole	2	0	0
Mendocino	Pear	3	Mineral oil	72,426	64	3,191
Mendocino	Pear	3	Mancozeb	11,019	83	2,856
Mendocino	Pear	3	Sulfur	4,404	9	398
Mendocino	Pear	3	Ziram	2,071	14	638
Mendocino	Pear	3	Copper oxychloride	1,314	16	495
Mendocino	Forest, timberland	4	Imazapyr, isopropylamine salt	4,478	206	7,266
Mendocino	Forest, timberland	4	Triclopyr, butoxyethyl ester	1,177	24	619
Mendocino	Forest, timberland	4	Glyphosate, isopropylamine salt	987	34	901
Mendocino	Forest, timberland	4	Triclopyr, triethylamine salt	539	11	396
Mendocino	Forest, timberland	4	Aminopyralid, triisopropanolamine salt	125	35	1,124
Mendocino	Structural pest control	5	Disodium octaborate tetrahydrate	3,171	0	0
Mendocino	Structural pest control	5	Sulfuryl fluoride	2,600	0	0
Mendocino	Structural pest control	5	Dinotefuran	124	0	0
Mendocino	Structural pest control	5	Bifenthrin	59	0	0
Mendocino	Structural pest control	5	Permethrin	54	0	0
Merced	Almond	1	Mineral oil	587,680	1,669	102,500
Merced	Almond	1	Glyphosate, potassium salt	186,532	2,085	108,308
Merced	Almond	1	Glyphosate, isopropylamine salt	167,228	2,328	100,774
Merced	Almond	1	1,3-dichloropropene	146,733	23	470
Merced	Almond	1	Glufosinate-ammonium	114,113	2,849	115,726
Merced	Sweet potato	2	1,3-dichloropropene	809,920	273	6,862
Merced	Sweet potato	2	Potassium n-methyldithiocarbamate	129,380	28	551

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Merced	Sweet potato	2	Burkholderia rinojensis strain a396	39,042	61	2,525
Merced	Sweet potato	2	Ethoprop	6,672	57	1,715
Merced	Sweet potato	2	Potassium phosphite	5,077	20	1,289
Merced	Tomato, processing	3	Sulfur	733,589	378	25,803
Merced	Tomato, processing	3	Potassium n-methyldithiocarbamate	118,139	20	835
Merced	Tomato, processing	3	Chlorothalonil	24,671	223	13,522
Merced	Tomato, processing	3	S-metolachlor	18,159	195	12,267
Merced	Tomato, processing	3	Glyphosate, potassium salt	16,881	170	10,815
Merced	Grape, wine	4	Sulfur	620,378	591	66,651
Merced	Grape, wine	4	Glyphosate, potassium salt	43,544	203	10,939
Merced	Grape, wine	4	Lime-sulfur	24,248	7	658
Merced	Grape, wine	4	Glufosinate-ammonium	23,703	298	21,287
Merced	Grape, wine	4	Oxyfluorfen	5,297	189	13,375
Merced	Animal premise	5	Boric acid	373,875	0	0
Merced	Animal premise	5	Sodium hypochlorite	4,493	0	0
Merced	Animal premise	5	Chlorine dioxide	3,741	0	0
Merced	Animal premise	5	Alkyl* dimethyl benzyl ammonium chloride *(60%c14, 30%c16, 5%c18, 5%c12)	2,170	0	0
Merced	Animal premise	5	Alkyl (68%c12, 32%c14) dimethylethylbenzyl ammonium chloride	2,170	0	0
Modoc	Potato	1	Caprylic acid	4,124	4	380
Modoc	Potato	1	Burkholderia rinojensis strain a396	3,601	5	412
Modoc	Potato	1	Capric acid	3,374	4	380
Modoc	Potato	1	Copper hydroxide	2,330	63	4,221
Modoc	Potato	1	Chlorothalonil	2,112	38	2,274
Modoc	Alfalfa	2	Paraquat dichloride	6,437	102	6,926
Modoc	Alfalfa	2	Metribuzin	5,270	172	10,936

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Modoc	Alfalfa	2	Glyphosate, potassium salt	3,701	35	2,696
Modoc	Alfalfa	2	Eptc	1,011	2	290
Modoc	Alfalfa	2	Ammonium sulfate	970	123	8,869
Modoc	Rights of way	3	2,4-d, 2-ethylhexyl ester	6,330	0	0
Modoc	Rights of way	3	Glyphosate, isopropylamine salt	4,073	0	0
Modoc	Rights of way	3	2,4-d, butoxyethanol ester	705	0	0
Modoc	Rights of way	3	Aminopyralid, triisopropanolamine salt	504	0	0
Modoc	Rights of way	3	2,4-d	397	0	0
Modoc	Onion, dry	4	Mancozeb	4,219	50	2,467
Modoc	Onion, dry	4	Burkholderia rinojensis strain a396	2,623	9	631
Modoc	Onion, dry	4	Glyphosate, potassium salt	1,349	17	958
Modoc	Onion, dry	4	Copper hydroxide	1,149	17	804
Modoc	Onion, dry	4	Chlorthal-dimethyl	757	7	402
Modoc	Forage hay/silage	5	2,4-d, dimethylamine salt	4,298	54	4,107
Modoc	Forage hay/silage	5	Glyphosate, isopropylamine salt	731	6	402
Modoc	Forage hay/silage	5	Mineral oil	412	13	435
Modoc	Forage hay/silage	5	Dicamba, dimethylamine salt	398	31	2,134
Modoc	Forage hay/silage	5	Glyphosate, potassium salt	353	3	218
Mono	Alfalfa	1	Pendimethalin	2,658	22	1,380
Mono	Alfalfa	1	Glyphosate, isopropylamine salt	1,711	11	857
Mono	Alfalfa	1	Diuron	1,210	30	1,259
Mono	Alfalfa	1	Hexazinone	112	12	618
Mono	Alfalfa	1	Propionic acid	102	11	857
Mono	Rights of way	2	Glyphosate, isopropylamine salt	212	0	0
Mono	Rights of way	2	Triclopyr choline	17	0	0
Mono	Rights of way	2	Mineral oil	11	0	0
Mono	Rights of way	2	Aminopyralid, triisopropanolamine salt	7	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mono	Rights of way	2	Imazapyr, isopropylamine salt	6	0	0
Mono	Landscape maintenance	3	Pcnb	27	1	2
Mono	Landscape maintenance	3	Chlorothalonil	20	1	2
Mono	Landscape maintenance	3	Propiconazole	2	1	2
Mono	Landscape maintenance	3	Indoxacarb	< 1	0	0
Mono	Landscape maintenance	3	Chlorophacinone	< 1	0	0
Mono	Structural pest control	4	Deltamethrin	11	0	0
Mono	Structural pest control	4	Bifenthrin	7	0	0
Mono	Structural pest control	4	Fipronil	3	0	0
Mono	Structural pest control	4	Cyfluthrin	1	0	0
Mono	Structural pest control	4	Permethrin	1	0	0
Mono	Forage hay/silage	5	Clethodim	5	1	39
Mono	Forage hay/silage	5	Imazethapyr, ammonium salt	3	1	39
Monterey	Strawberry	1	Chloropicrin	2,415,773	1,079	8,979
Monterey	Strawberry	1	1,3-dichloropropene	771,118	866	8,158
Monterey	Strawberry	1	Potassium n-methyldithiocarbamate	143,730	47	545
Monterey	Strawberry	1	Sulfur	123,437	1,111	37,011
Monterey	Strawberry	1	Malathion	21,992	531	11,107
Monterey	Grape, wine	2	Mineral oil	729,164	2,947	133,324
Monterey	Grape, wine	2	Sulfur	720,930	5,168	156,673
Monterey	Grape, wine	2	Lime-sulfur	205,434	423	9,250
Monterey	Grape, wine	2	Glyphosate, potassium salt	42,899	1,213	33,650
Monterey	Grape, wine	2	Potassium bicarbonate	39,606	335	9,743
Monterey	Lettuce, leaf	3	Potassium phosphite	188,526	6,201	62,220
Monterey	Lettuce, leaf	3	Mancozeb	83,820	5,711	55,625
Monterey	Lettuce, leaf	3	Bensulide	77,880	2,995	24,325
Monterey	Lettuce, leaf	3	Diatomaceous earth	55,386	591	4,781

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Monterey	Lettuce, leaf	3	Fosetyl-al	53,528	1,811	19,314
Monterey	Lettuce, head	4	Potassium phosphite	101,197	3,503	37,708
Monterey	Lettuce, head	4	Mancozeb	57,103	3,501	38,485
Monterey	Lettuce, head	4	Fosetyl-al	32,323	914	11,848
Monterey	Lettuce, head	4	Bensulide	29,476	978	9,648
Monterey	Lettuce, head	4	Propyzamide	23,450	2,482	25,390
Monterey	Broccoli	5	Diatomaceous earth	39,546	310	2,634
Monterey	Broccoli	5	Chlorthal-dimethyl	35,933	1,338	12,508
Monterey	Broccoli	5	Bensulide	28,337	978	9,878
Monterey	Broccoli	5	Bacillus thuringiensis subsp. aizawai strain: abts-1857	24,135	3,231	29,947
Monterey	Broccoli	5	Bacillus thuringiensis subsp. aizawai strain: gc-91	17,037	1,512	20,109
Napa	Grape, wine	1	Sulfur	820,326	8,564	145,171
Napa	Grape, wine	1	Mineral oil	206,722	2,916	40,340
Napa	Grape, wine	1	Glyphosate, potassium salt	12,835	870	6,563
Napa	Grape, wine	1	Hydrogen peroxide	10,061	841	7,937
Napa	Grape, wine	1	Glufosinate-ammonium	8,359	1,474	8,029
Napa	Landscape maintenance	2	Carbon dioxide	15,045	0	0
Napa	Landscape maintenance	2	Mineral oil	3,768	0	0
Napa	Landscape maintenance	2	Potassium phosphite	2,448	0	0
Napa	Landscape maintenance	2	Chlorothalonil	1,834	0	0
Napa	Landscape maintenance	2	Glyphosate, isopropylamine salt	1,084	0	0
Napa	Vertebrate control	3	Carbon dioxide	20,689	0	0
Napa	Vertebrate control	3	Cholecalciferol	< 1	0	0
Napa	Fumigation, other	4	Sulfur dioxide	8,746	0	0
Napa	Fumigation, other	4	Magnesium phosphide	< 1	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Napa	Structural pest control	5	Sulfuryl fluoride	1,636	0	0
Napa	Structural pest control	5	Silica gel	831	0	0
Napa	Structural pest control	5	Boric acid	505	0	0
Napa	Structural pest control	5	Bifenthrin	490	0	0
Napa	Structural pest control	5	Disodium octaborate tetrahydrate	417	0	0
Nevada	Rights of way	1	Copper ethanolamine complexes, mixed	3,382	0	0
Nevada	Rights of way	1	Glyphosate, isopropylamine salt	2,963	2	5
Nevada	Rights of way	1	Copper triethanolamine complex	1,797	0	0
Nevada	Rights of way	1	Copper ethylenediamine complex	1,592	0	0
Nevada	Rights of way	1	Sodium tetraborate decahydrate	568	0	0
Nevada	Landscape maintenance	2	Glyphosate, isopropylamine salt	1,806	0	0
Nevada	Landscape maintenance	2	Chlorothalonil	1,431	1	< 1
Nevada	Landscape maintenance	2	Diquat dibromide	1,196	0	0
Nevada	Landscape maintenance	2	Mineral oil	1,025	0	0
Nevada	Landscape maintenance	2	Endothall, dipotassium salt	601	0	0
Nevada	Forest, timberland	3	Fatty acids, methyl esters	3,417	66	861
Nevada	Forest, timberland	3	Glyphosate, diammonium salt	1,606	70	917
Nevada	Forest, timberland	3	Imazapyr, isopropylamine salt	579	67	960
Nevada	Forest, timberland	3	Hexazinone	90	14	232
Nevada	Forest, timberland	3	Triclopyr, triethylamine salt	49	0	0
Nevada	Grape, wine	4	Sulfur	2,172	67	415
Nevada	Grape, wine	4	Mineral oil	998	34	266
Nevada	Grape, wine	4	Glyphosate, isopropylamine salt	301	2	150
Nevada	Grape, wine	4	Glufosinate-ammonium	122	3	104
Nevada	Grape, wine	4	Oxyfluorfen	76	2	150
Nevada	Structural pest control	5	Sulfuryl fluoride	784	0	0
Nevada	Structural pest control	5	4-aminopyridine	375	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Nevada	Structural pest control	5	Deltamethrin	292	0	0
Nevada	Structural pest control	5	Bifenthrin	191	0	0
Nevada	Structural pest control	5	Boric acid	183	0	0
Orange	Structural pest control	1	Disodium octaborate tetrahydrate	637,092	0	0
Orange	Structural pest control	1	Sulfuryl fluoride	291,277	0	0
Orange	Structural pest control	1	Boric acid	23,503	0	0
Orange	Structural pest control	1	Deltamethrin	11,811	0	0
Orange	Structural pest control	1	Piperonyl butoxide	9,798	0	0
Orange	Landscape maintenance	2	Glyphosate, isopropylamine salt	28,272	4	5
Orange	Landscape maintenance	2	Caprylic acid	9,411	0	0
Orange	Landscape maintenance	2	Glyphosate, potassium salt	9,271	0	0
Orange	Landscape maintenance	2	Dinotefuran	8,132	0	0
Orange	Landscape maintenance	2	Glufosinate-ammonium	8,058	0	0
Orange	Water (industrial)	3	Sodium chlorate	16,260	0	0
Orange	Water (industrial)	3	Sodium hypochlorite	13,763	0	0
Orange	Water (industrial)	3	1-bromo-3-chloro-5,5-dimethyl hydantoin	12,923	0	0
Orange	Water (industrial)	3	Sodium bromide	8,357	0	0
Orange	Water (industrial)	3	1,3-dichloro-5,5-dimethylhydantoin	6,571	0	0
Orange	Strawberry	4	Chloropicrin	27,460	9	166
Orange	Strawberry	4	1,3-dichloropropene	17,794	8	166
Orange	Strawberry	4	Captan	2,435	37	820
Orange	Strawberry	4	Bacillus thuringiensis subsp. kurstaki strain: abts-351	561	26	532
Orange	Strawberry	4	Malathion	426	9	208
Orange	Public health	5	Mineral oil	44,262	0	0
Orange	Public health	5	Bacillus thuringiensis subsp. israelensis strain: am 65-52	991	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Orange	Public health	5	Spinosad	190	0	0
Orange	Public health	5	S-methoprene	104	0	0
Orange	Public health	5	Hydramethylnon	45	0	0
Placer	Rice	1	Propanil	30,302	128	7,695
Placer	Rice	1	Sodium percarbonate	12,664	9	599
Placer	Rice	1	Copper sulfate (pentahydrate)	7,777	11	991
Placer	Rice	1	Mineral oil	5,012	45	2,416
Placer	Rice	1	Fatty acids, methyl esters	3,283	45	2,940
Placer	Structural pest control	2	Permethrin	23,737	0	0
Placer	Structural pest control	2	Boric acid	4,691	0	0
Placer	Structural pest control	2	Carbon dioxide	3,250	0	0
Placer	Structural pest control	2	Lambda-cyhalothrin	2,708	0	0
Placer	Structural pest control	2	Sulfuryl fluoride	2,420	0	0
Placer	Walnut	3	Glyphosate, potassium salt	11,015	75	4,612
Placer	Walnut	3	Copper hydroxide	6,207	31	1,994
Placer	Walnut	3	Mineral oil	4,813	26	2,425
Placer	Walnut	3	Glufosinate-ammonium	4,385	64	4,479
Placer	Walnut	3	Glutens, corn	2,145	18	1,597
Placer	Forest, timberland	4	Fatty acids, methyl esters	11,077	131	2,932
Placer	Forest, timberland	4	Glyphosate, diammonium salt	8,669	194	3,647
Placer	Forest, timberland	4	Glyphosate, isopropylamine salt	7,495	10	1,346
Placer	Forest, timberland	4	Imazapyr, isopropylamine salt	1,654	99	2,710
Placer	Forest, timberland	4	Triclopyr choline	1,603	56	911
Placer	Landscape maintenance	5	Glyphosate, isopropylamine salt	4,236	1	2
Placer	Landscape maintenance	5	Glyphosate, potassium salt	3,868	0	0
Placer	Landscape maintenance	5	Mineral oil	3,801	0	0
Placer	Landscape maintenance	5	Chlorothalonil	3,395	3	4

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Placer	Landscape maintenance	5	Dithiopyr	3,265	0	0
Plumas	Forest, timberland	1	Glyphosate, isopropylamine salt	52,576	168	16,086
Plumas	Forest, timberland	1	Hexazinone	22,659	83	14,279
Plumas	Forest, timberland	1	Glyphosate, diammonium salt	21,055	127	8,768
Plumas	Forest, timberland	1	Imazapyr, isopropylamine salt	4,774	133	12,824
Plumas	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,151	157	10,514
Plumas	Water (industrial)	2	Sodium bromide	4,424	0	0
Plumas	Water (industrial)	2	Dioctyl dimethyl ammonium chloride	383	0	0
Plumas	Rights of way	3	Glyphosate, isopropylamine salt	3,106	0	0
Plumas	Rights of way	3	Triclopyr, triethylamine salt	205	0	0
Plumas	Rights of way	3	Glyphosate, potassium salt	136	0	0
Plumas	Rights of way	3	Metam-sodium	86	0	0
Plumas	Rights of way	3	Aminopyralid, triisopropanolamine salt	69	0	0
Plumas	Forage hay/silage	4	2,4-d, dimethylamine salt	588	5	515
Plumas	Forage hay/silage	4	Mineral oil	465	5	515
Plumas	Forage hay/silage	4	Glyphosate, isopropylamine salt	180	1	120
Plumas	Forage hay/silage	4	Ammonium sulfate	160	1	120
Plumas	Forage hay/silage	4	Fatty acids, methyl esters	103	1	120
Plumas	Alfalfa	5	Metribuzin	382	8	760
Plumas	Alfalfa	5	Paraquat dichloride	334	8	760
Plumas	Alfalfa	5	Glyphosate, isopropylamine salt	180	1	120
Plumas	Alfalfa	5	Ammonium sulfate	160	1	120
Plumas	Alfalfa	5	Fatty acids, methyl esters	103	1	120
Riverside	Lemon	1	Kaolin	282,589	78	4,452
Riverside	Lemon	1	Mineral oil	194,951	386	17,248
Riverside	Lemon	1	Sulfur	11,427	45	1,814
Riverside	Lemon	1	Glyphosate, isopropylamine salt	9,150	179	5,884

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Riverside	Lemon	1	Glyphosate, potassium salt	3,474	36	1,147
Riverside	Pepper, fruiting	2	Metam-sodium	201,894	39	1,055
Riverside	Pepper, fruiting	2	Potassium n-methyldithiocarbamate	73,656	11	215
Riverside	Pepper, fruiting	2	Sulfur	31,108	137	3,084
Riverside	Pepper, fruiting	2	1,3-dichloropropene	3,883	2	38
Riverside	Pepper, fruiting	2	Bensulide	3,036	26	758
Riverside	Alfalfa	3	Sulfur	143,279	294	17,668
Riverside	Alfalfa	3	Glyphosate, potassium salt	82,239	1,232	45,451
Riverside	Alfalfa	3	Pendimethalin	29,553	548	21,858
Riverside	Alfalfa	3	Trifluralin	14,928	222	7,463
Riverside	Alfalfa	3	Mineral oil	10,068	597	20,186
Riverside	Grape	4	Sulfur	127,163	759	25,804
Riverside	Grape	4	Hydrogen cyanamide	39,043	69	2,295
Riverside	Grape	4	Potassium n-methyldithiocarbamate	38,456	6	112
Riverside	Grape	4	Metam-sodium	11,430	2	36
Riverside	Grape	4	Mineral oil	4,883	213	7,316
Riverside	Rights of way	5	Sodium percarbonate	43,052	0	0
Riverside	Rights of way	5	Glyphosate, isopropylamine salt	38,507	0	0
Riverside	Rights of way	5	Sodium tetraborate decahydrate	33,676	0	0
Riverside	Rights of way	5	Glyphosate, potassium salt	27,455	9	78
Riverside	Rights of way	5	Mineral oil	18,709	1	2
Sacramento	Grape, wine	1	Sulfur	2,807,908	3,836	229,836
Sacramento	Grape, wine	1	Mineral oil	26,298	314	12,181
Sacramento	Grape, wine	1	Potassium bicarbonate	21,599	85	7,294
Sacramento	Grape, wine	1	Glufosinate-ammonium	21,247	907	22,574
Sacramento	Grape, wine	1	Glyphosate, isopropylamine salt	20,517	430	10,339
Sacramento	Pear	2	Mineral oil	503,342	1,082	43,431

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sacramento	Pear	2	Mancozeb	40,347	385	17,528
Sacramento	Pear	2	Sulfur	12,725	61	1,326
Sacramento	Pear	2	Streptomycin sulfate	6,879	513	24,350
Sacramento	Pear	2	Lime-sulfur	5,993	7	195
Sacramento	Cannabis (all or unspecified)	3	Mineral oil	104,723	820	101
Sacramento	Cannabis (all or unspecified)	3	Beauveria bassiana strain: ant-03	538	269	55
Sacramento	Cannabis (all or unspecified)	3	Isaria fumosorosea strain: fe 9901	340	7	< 1
Sacramento	Cannabis (all or unspecified)	3	Margosa oil	248	221	19
Sacramento	Cannabis (all or unspecified)	3	Hydrogen peroxide	135	538	23
Sacramento	Structural pest control	4	Permethrin	37,536	0	0
Sacramento	Structural pest control	4	Sulfuryl fluoride	17,458	0	0
Sacramento	Structural pest control	4	Boric acid	15,062	0	0
Sacramento	Structural pest control	4	Carbon dioxide	7,266	0	0
Sacramento	Structural pest control	4	Dinotefuran	4,458	0	0
Sacramento	Rice	5	Propanil	42,224	118	10,169
Sacramento	Rice	5	Mineral oil	22,064	102	8,613
Sacramento	Rice	5	Sodium chlorate	8,148	16	1,558
Sacramento	Rice	5	Ammonium sulfate	4,381	86	7,924
Sacramento	Rice	5	Copper sulfate (pentahydrate)	3,614	4	269
San benito	Pepper, fruiting	1	Potassium n-methyldithiocarbamate	105,606	59	457
San benito	Pepper, fruiting	1	Sulfur	2,988	79	548
San benito	Pepper, fruiting	1	Kaolin	2,209	5	46
San benito	Pepper, fruiting	1	Glyphosate, isopropylamine salt	1,352	29	737

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San benito	Pepper, fruiting	1	Oxamyl	771	42	1,033
San benito	Grape, wine	2	Sulfur	42,655	514	8,139
San benito	Grape, wine	2	Mineral oil	37,483	592	9,511
San benito	Grape, wine	2	Glyphosate, isopropylamine salt	2,704	70	1,549
San benito	Grape, wine	2	Glyphosate, potassium salt	2,131	39	719
San benito	Grape, wine	2	Glufosinate-ammonium	2,023	130	2,785
San benito	Lettuce, leaf	3	Diatomaceous earth	53,075	799	3,909
San benito	Lettuce, leaf	3	Potassium phosphite	9,936	448	3,391
San benito	Lettuce, leaf	3	Bensulide	6,861	347	2,088
San benito	Lettuce, leaf	3	Burkholderia rinojensis strain a396	4,789	199	1,185
San benito	Lettuce, leaf	3	Mancozeb	2,224	185	1,440
San benito	Broccoli	4	Diatomaceous earth	20,095	199	1,285
San benito	Broccoli	4	Potassium laurate	2,429	120	949
San benito	Broccoli	4	Chlorthal-dimethyl	1,603	50	329
San benito	Broccoli	4	Bacillus thuringiensis subsp. aizawai strain: abts-1857	1,200	244	1,950
San benito	Broccoli	4	Burkholderia rinojensis strain a396	965	39	227
San benito	Spinach	5	Diatomaceous earth	6,762	92	601
San benito	Spinach	5	Potassium phosphite	4,854	198	1,811
San benito	Spinach	5	Bacillus amyloliquefacens strain: f727	3,374	117	908
San benito	Spinach	5	Potassium n-methyldithiocarbamate	2,587	2	11
San benito	Spinach	5	Cycloate	2,079	217	1,618
San bernardino	Structural pest control	1	Disodium octaborate tetrahydrate	241,423	0	0
San bernardino	Structural pest control	1	Sulfuryl fluoride	48,024	0	0
San bernardino	Structural pest control	1	Boric acid	22,456	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Structural pest control	1	Carbon dioxide	4,413	0	0
San bernardino	Structural pest control	1	Bifenthrin	3,869	0	0
San bernardino	Landscape maintenance	2	Glyphosate, isopropylamine salt	31,198	31	528
San bernardino	Landscape maintenance	2	Carbon dioxide	23,027	0	0
San bernardino	Landscape maintenance	2	Glyphosate, potassium salt	13,530	0	0
San bernardino	Landscape maintenance	2	Diquat dibromide	1,804	0	0
San bernardino	Landscape maintenance	2	Pendimethalin	1,441	0	0
San bernardino	Rights of way	3	Glyphosate, isopropylamine salt	41,596	25	761
San bernardino	Rights of way	3	Oxyfluorfen	5,365	0	0
San bernardino	Rights of way	3	Glyphosate, potassium salt	5,112	0	0
San bernardino	Rights of way	3	Imazapyr, isopropylamine salt	2,477	17	847
San bernardino	Rights of way	3	Triclopyr choline	1,389	0	0
San bernardino	Water area	4	Copper sulfate (pentahydrate)	45,249	3	3,457
San bernardino	Water area	4	Triclopyr, triethylamine salt	1,120	0	64
San bernardino	Water area	4	Endothall, dipotassium salt	402	0	24
San bernardino	Water area	4	Copper ethanolamine complexes, mixed	315	0	90

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Water area	4	Sodium percarbonate	191	0	4
San bernardino	Water (industrial)	5	Sodium bromosulfamate, sodium chlorosulfamate, potassium bromosulfamate, potassium chlorosulfamate	5,364	0	0
San bernardino	Water (industrial)	5	Sodium hypochlorite	4,772	0	0
San bernardino	Water (industrial)	5	Sodium bromide	3,047	0	0
San bernardino	Water (industrial)	5	1-bromo-3-chloro-5,5-dimethyl hydantoin	1,787	0	0
San bernardino	Water (industrial)	5	5-chloro-2-methyl-4-isothiazolin-3-one	1,146	0	0
San diego	Structural pest control	1	Sulfuryl fluoride	324,469	0	0
San diego	Structural pest control	1	Disodium octaborate tetrahydrate	46,208	0	0
San diego	Structural pest control	1	Boric acid	32,949	0	0
San diego	Structural pest control	1	Limonene	20,649	0	0
San diego	Structural pest control	1	Dinotefuran	6,893	0	0
San diego	Landscape maintenance	2	Glyphosate, isopropylamine salt	23,213	4	< 1
San diego	Landscape maintenance	2	Carbon dioxide	17,631	0	0
San diego	Landscape maintenance	2	Diquat dibromide	11,969	0	0
San diego	Landscape maintenance	2	Chlorothalonil	10,880	0	0
San diego	Landscape maintenance	2	Mineral oil	8,805	0	0
San diego	Water (industrial)	3	Sodium chlorate	115,228	0	0
San diego	Water (industrial)	3	Sodium hypochlorite	3,751	0	0
San diego	Water (industrial)	3	Glutaraldehyde	3,600	0	0
San diego	Water (industrial)	3	1-bromo-3-chloro-5,5-dimethyl hydantoin	2,803	0	0
San diego	Water (industrial)	3	Sodium bromide	1,788	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San diego	Tomato	4	Metam-sodium	75,310	30	697
San diego	Tomato	4	Sulfur	8,980	55	1,939
San diego	Tomato	4	Chlorothalonil	4,002	88	2,809
San diego	Tomato	4	Propamocarb hydrochloride	1,695	52	2,265
San diego	Tomato	4	Bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	1,426	50	2,198
San diego	Avocado	5	Mineral oil	54,176	166	3,762
San diego	Avocado	5	Glyphosate, potassium salt	6,926	657	5,726
San diego	Avocado	5	Glyphosate, isopropylamine salt	2,127	449	4,873
San diego	Avocado	5	Simazine	1,723	121	2,257
San diego	Avocado	5	Sulfur	1,481	4	96
San francisco	Water (industrial)	1	Glutaraldehyde	3,132	0	0
San francisco	Water (industrial)	1	1-bromo-3-chloro-5,5-dimethyl hydantoin	2,709	0	0
San francisco	Water (industrial)	1	Sodium hypochlorite	2,239	0	0
San francisco	Water (industrial)	1	Sodium bromide	1,252	0	0
San francisco	Water (industrial)	1	1,3-dichloro-5,5-dimethylhydantoin	574	0	0
San francisco	Golf course turf	2	Chlorothalonil	4,448	0	613
San francisco	Golf course turf	2	Thiophanate-methyl	1,523	0	290
San francisco	Golf course turf	2	Ethofumesate	1,005	0	192
San francisco	Golf course turf	2	Ethephon	956	0	286
San francisco	Golf course turf	2	Triclopyr, butoxyethyl ester	332	0	247
San francisco	Structural pest control	3	Disodium octaborate tetrahydrate	1,776	0	0
San francisco	Structural pest control	3	Sulfuryl fluoride	1,636	0	0
San francisco	Structural pest control	3	Dinotefuran	586	0	0
San francisco	Structural pest control	3	Boric acid	375	0	0
San francisco	Structural pest control	3	Piperonyl butoxide	129	0	0
San francisco	Landscape maintenance	4	Potassium phosphite	1,434	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San francisco	Landscape maintenance	4	Tebuthiuron	750	0	0
San francisco	Landscape maintenance	4	Mineral oil	714	0	0
San francisco	Landscape maintenance	4	Glyphosate, isopropylamine salt	324	0	0
San francisco	Landscape maintenance	4	Triclopyr, butoxyethyl ester	60	0	0
San francisco	Public health	5	Mineral oil	626	0	0
San francisco	Public health	5	S-methoprene	47	0	0
San francisco	Public health	5	Bacillus thuringiensis subsp. israelensis strain: am 65-52	46	0	0
San francisco	Public health	5	Bacillus sphaericus 2362 serotype h5a5b strain: abts 1743	27	0	0
San francisco	Public health	5	Bacillus thuringiensis subspecies israelensis strain bmp 144	< 1	0	0
San joaquin	Grape, wine	1	Sulfur	5,604,771	10,223	436,019
San joaquin	Grape, wine	1	Glufosinate-ammonium	40,529	2,159	43,225
San joaquin	Grape, wine	1	Glyphosate, isopropylamine salt	37,495	1,193	19,437
San joaquin	Grape, wine	1	Lime-sulfur	30,596	42	2,192
San joaquin	Grape, wine	1	Glyphosate, potassium salt	24,514	519	13,817
San joaquin	Almond	2	Mineral oil	429,564	1,355	67,124
San joaquin	Almond	2	Glyphosate, isopropylamine salt	132,630	1,975	70,247
San joaquin	Almond	2	1,3-dichloropropene	87,580	26	267
San joaquin	Almond	2	Glyphosate, potassium salt	86,338	1,065	41,907
San joaquin	Almond	2	Glufosinate-ammonium	73,575	2,087	70,722
San joaquin	Walnut	3	Copper hydroxide	88,595	700	26,096
San joaquin	Walnut	3	Kaolin	51,243	36	1,215
San joaquin	Walnut	3	Mancozeb	44,425	671	24,740
San joaquin	Walnut	3	Glyphosate, potassium salt	35,013	587	17,481
San joaquin	Walnut	3	Glyphosate, isopropylamine salt	34,271	911	18,485
San joaquin	Tomato, processing	4	Sulfur	271,267	208	12,407

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San joaquin	Tomato, processing	4	Potassium n-methyldithiocarbamate	35,743	8	602
San joaquin	Tomato, processing	4	Chlorothalonil	26,046	272	14,184
San joaquin	Tomato, processing	4	Kaolin	25,850	19	1,122
San joaquin	Tomato, processing	4	1,3-dichloropropene	20,350	2	160
San joaquin	Cherry	5	Mineral oil	103,531	823	13,803
San joaquin	Cherry	5	1,3-dichloropropene	63,551	15	193
San joaquin	Cherry	5	Sulfur	45,740	504	9,773
San joaquin	Cherry	5	Hydrogen cyanamide	38,636	163	3,683
San joaquin	Cherry	5	Lime-sulfur	26,370	56	963
San luis obispo	Strawberry	1	Chloropicrin	592,790	120	2,909
San luis obispo	Strawberry	1	Metam-sodium	225,556	18	951
San luis obispo	Strawberry	1	Potassium n-methyldithiocarbamate	172,951	24	643
San luis obispo	Strawberry	1	1,3-dichloropropene	141,858	55	1,264
San luis obispo	Strawberry	1	Sulfur	46,393	200	6,985
San luis obispo	Grape, wine	2	Sulfur	395,763	3,089	110,706
San luis obispo	Grape, wine	2	Mineral oil	222,750	1,238	43,084
San luis obispo	Grape, wine	2	Potassium bicarbonate	35,151	611	9,948
San luis obispo	Grape, wine	2	Glufosinate-ammonium	20,350	1,211	20,863
San luis obispo	Grape, wine	2	Glyphosate, isopropylamine salt	14,213	194	6,395

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San luis obispo	Carrot	3	Sulfur	86,160	140	11,815
San luis obispo	Carrot	3	1,3-dichloropropene	39,735	9	335
San luis obispo	Carrot	3	Caprylic acid	4,752	30	899
San luis obispo	Carrot	3	Capric acid	3,235	30	899
San luis obispo	Carrot	3	Hydrogen peroxide	1,395	6	560
San luis obispo	Avocado	4	Mineral oil	90,341	178	4,785
San luis obispo	Avocado	4	Glyphosate, isopropylamine salt	4,879	112	4,408
San luis obispo	Avocado	4	Potassium phosphite	4,305	82	1,152
San luis obispo	Avocado	4	Glufosinate-ammonium	4,047	38	2,884
San luis obispo	Avocado	4	Glyphosate, potassium salt	1,038	110	1,098
San luis obispo	Lemon	5	Mineral oil	78,096	122	3,925
San luis obispo	Lemon	5	Glyphosate, isopropylamine salt	5,229	153	4,647
San luis obispo	Lemon	5	Glyphosate, potassium salt	1,449	48	697
San luis obispo	Lemon	5	Glufosinate-ammonium	1,223	87	1,433
San luis obispo	Lemon	5	Cuprous oxide	750	9	208
San mateo	Structural pest control	1	Sulfuryl fluoride	42,872	0	0
San mateo	Structural pest control	1	Disodium octaborate tetrahydrate	5,430	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San mateo	Structural pest control	1	Boric acid	5,192	0	0
San mateo	Structural pest control	1	Imidacloprid	936	0	0
San mateo	Structural pest control	1	Piperonyl butoxide	784	0	0
San mateo	Brussels sprout	2	Potassium n-methyldithiocarbamate	37,466	29	408
San mateo	Brussels sprout	2	Pcnb	4,200	13	169
San mateo	Brussels sprout	2	Potassium phosphite	894	44	558
San mateo	Brussels sprout	2	Chlorothalonil	635	36	456
San mateo	Brussels sprout	2	Pyraclostrobin	96	40	553
San mateo	Landscape maintenance	3	Potassium phosphite	17,898	0	0
San mateo	Landscape maintenance	3	Glyphosate, isopropylamine salt	2,780	0	0
San mateo	Landscape maintenance	3	Sodium hypochlorite	2,655	0	0
San mateo	Landscape maintenance	3	Sodium dichloro-s-triazinetrione dihydrate	2,592	0	0
San mateo	Landscape maintenance	3	Chlorothalonil	2,381	0	0
San mateo	Ditch bank	4	Sodium percarbonate	11,262	0	130
San mateo	Ditch bank	4	Hydrogen peroxide	309	0	29
San mateo	Ditch bank	4	Peroxyacetic acid	71	0	29
San mateo	Ditch bank	4	Glyphosate, isopropylamine salt	54	0	2
San mateo	Ditch bank	4	Limonene	34	0	29
San mateo	Public health	5	Mineral oil	7,691	0	0
San mateo	Public health	5	Bacillus sphaericus 2362 serotype h5a5b strain: abts 1743	73	0	0
San mateo	Public health	5	Spinosad	47	0	0
San mateo	Public health	5	Sodium hypochlorite	45	0	0
San mateo	Public health	5	S-methoprene	44	0	0
Santa barbara	Strawberry	1	Chloropicrin	1,765,251	272	8,600
Santa barbara	Strawberry	1	Potassium n-methyldithiocarbamate	695,378	85	2,590
Santa barbara	Strawberry	1	1,3-dichloropropene	325,210	82	2,873

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa barbara	Strawberry	1	Sulfur	214,986	1,473	46,686
Santa barbara	Strawberry	1	Metam-sodium	135,502	22	572
Santa barbara	Grape, wine	2	Sulfur	529,497	2,442	97,122
Santa barbara	Grape, wine	2	Mineral oil	72,553	672	28,169
Santa barbara	Grape, wine	2	Potassium bicarbonate	52,187	849	16,841
Santa barbara	Grape, wine	2	Lime-sulfur	21,694	60	5,520
Santa barbara	Grape, wine	2	Hydrogen peroxide	17,377	222	10,925
Santa barbara	Carrot	3	Metam-sodium	118,600	9	700
Santa barbara	Carrot	3	Sulfur	35,118	86	7,021
Santa barbara	Carrot	3	1,3-dichloropropene	21,256	3	180
Santa barbara	Carrot	3	Linuron	1,890	142	3,907
Santa barbara	Carrot	3	Mefenoxam	862	35	2,736
Santa barbara	Avocado	4	Mineral oil	94,590	292	4,702
Santa barbara	Avocado	4	Glyphosate, potassium salt	5,884	368	4,110
Santa barbara	Avocado	4	Glyphosate, isopropylamine salt	5,610	510	4,703
Santa barbara	Avocado	4	Potassium phosphite	639	28	290
Santa barbara	Avocado	4	Glufosinate-ammonium	518	89	1,739
Santa barbara	Lemon	5	Mineral oil	81,668	204	2,446
Santa barbara	Lemon	5	Glyphosate, isopropylamine salt	3,956	236	2,714
Santa barbara	Lemon	5	Glyphosate, potassium salt	1,808	111	898
Santa barbara	Lemon	5	Glufosinate-ammonium	1,614	186	2,406
Santa barbara	Lemon	5	Sulfur	1,184	5	74
Santa clara	Pepper, fruiting	1	Potassium n-methyldithiocarbamate	139,225	45	630
Santa clara	Pepper, fruiting	1	Chloropicrin	62,977	30	458
Santa clara	Pepper, fruiting	1	1,3-dichloropropene	29,401	30	458
Santa clara	Pepper, fruiting	1	Kaolin	3,529	8	50
Santa clara	Pepper, fruiting	1	Sulfur	1,638	42	515

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa clara	Structural pest control	2	Sulfuryl fluoride	146,294	0	0
Santa clara	Structural pest control	2	Boric acid	23,065	0	0
Santa clara	Structural pest control	2	Disodium octaborate tetrahydrate	9,598	0	0
Santa clara	Structural pest control	2	Dinotefuran	4,498	0	0
Santa clara	Structural pest control	2	Hydroprene	3,663	0	0
Santa clara	Tomato	3	Potassium n-methyldithiocarbamate	60,374	8	319
Santa clara	Tomato	3	Sulfur	3,229	13	238
Santa clara	Tomato	3	Chlorothalonil	2,252	54	1,412
Santa clara	Tomato	3	Glyphosate, isopropylamine salt	1,564	29	869
Santa clara	Tomato	3	S-metolachlor	621	18	504
Santa clara	Landscape maintenance	4	Sodium dichloro-s-triazinetrione dihydrate	11,614	0	0
Santa clara	Landscape maintenance	4	Potassium phosphite	7,921	0	0
Santa clara	Landscape maintenance	4	Glyphosate, isopropylamine salt	7,114	1	10
Santa clara	Landscape maintenance	4	Glyphosate, potassium salt	5,472	5	4
Santa clara	Landscape maintenance	4	Trichloro-s-triazinetrione	4,847	0	0
Santa clara	Water (industrial)	5	Sodium bromide	14,105	0	0
Santa clara	Water (industrial)	5	Glutaraldehyde	10,219	0	0
Santa clara	Water (industrial)	5	Sodium hypochlorite	9,721	0	0
Santa clara	Water (industrial)	5	1-bromo-3-chloro-5,5-dimethyl hydantoin	4,610	0	0
Santa clara	Water (industrial)	5	1,3-dichloro-5,5-dimethylhydantoin	2,074	0	0
Santa cruz	Strawberry	1	Chloropicrin	604,087	259	2,016
Santa cruz	Strawberry	1	1,3-dichloropropene	168,893	210	1,933
Santa cruz	Strawberry	1	Sulfur	7,288	168	3,245
Santa cruz	Strawberry	1	Captan	7,155	216	3,850
Santa cruz	Strawberry	1	Potassium n-methyldithiocarbamate	5,794	3	22
Santa cruz	Raspberry	2	Chloropicrin	165,466	85	548
Santa cruz	Raspberry	2	1,3-dichloropropene	39,830	59	513

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa cruz	Raspberry	2	Lime-sulfur	14,184	34	520
Santa cruz	Raspberry	2	Sulfur	3,124	34	505
Santa cruz	Raspberry	2	Soybean oil	2,607	17	179
Santa cruz	Blackberry	3	Soybean oil	71,328	369	4,711
Santa cruz	Blackberry	3	Mineral oil	23,336	268	3,039
Santa cruz	Blackberry	3	Lime-sulfur	8,053	68	280
Santa cruz	Blackberry	3	Bacillus amyloliquefacens strain: f727	5,254	65	906
Santa cruz	Blackberry	3	Chloropicrin	5,128	3	16
Santa cruz	Apple	4	Mineral oil	41,388	56	1,209
Santa cruz	Apple	4	Sulfur	4,443	82	1,406
Santa cruz	Apple	4	Bacillus velezensis strain: d747	1,043	9	171
Santa cruz	Apple	4	Bacillus thuringiensis subsp. kurstaki strain: abts-351	777	59	1,117
Santa cruz	Apple	4	Glyphosate, isopropylamine salt	634	14	460
Santa cruz	Structural pest control	5	Sulfuryl fluoride	40,165	0	0
Santa cruz	Structural pest control	5	Disodium octaborate tetrahydrate	859	0	0
Santa cruz	Structural pest control	5	Permethrin	423	0	0
Santa cruz	Structural pest control	5	Piperonyl butoxide	359	0	0
Santa cruz	Structural pest control	5	Limonene	250	0	0
Shasta	Forest, timberland	1	Glyphosate, diammonium salt	24,798	262	8,859
Shasta	Forest, timberland	1	Glyphosate, isopropylamine salt	19,295	383	11,004
Shasta	Forest, timberland	1	Hexazinone	6,956	119	4,560
Shasta	Forest, timberland	1	Glyphosate, dimethylamine salt	6,247	169	3,377
Shasta	Forest, timberland	1	Imazapyr, isopropylamine salt	4,740	413	11,320
Shasta	Soil fumigation/preplant	2	Methyl bromide	26,004	10	115
Shasta	Soil fumigation/preplant	2	Chloropicrin	19,320	8	114
Shasta	Water (industrial)	3	Sodium chlorate	15,865	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Shasta	Water (industrial)	3	Sodium bromide	3,303	0	0
Shasta	Water (industrial)	3	Sodium hypochlorite	554	0	0
Shasta	Water (industrial)	3	Glutaraldehyde	255	0	0
Shasta	Rice, wild	4	Copper sulfate (pentahydrate)	18,439	24	1,370
Shasta	Rice, wild	4	Glyphosate, isopropylamine salt	91	1	22
Shasta	Rice, wild	4	Carfentrazone-ethyl	5	1	25
Shasta	Rice, wild	4	Ammonium sulfate	2	1	22
Shasta	Rights of way	5	Glyphosate, isopropylamine salt	8,084	2	0
Shasta	Rights of way	5	Glyphosate, diammonium salt	1,938	0	0
Shasta	Rights of way	5	Triclopyr, butoxyethyl ester	1,655	0	0
Shasta	Rights of way	5	Metam-sodium	1,604	0	0
Shasta	Rights of way	5	Triclopyr choline	1,368	0	0
Sierra	Forest, timberland	1	Glyphosate, diammonium salt	3,400	103	957
Sierra	Forest, timberland	1	Fatty acids, methyl esters	2,050	68	923
Sierra	Forest, timberland	1	Glyphosate, isopropylamine salt	486	6	462
Sierra	Forest, timberland	1	Sodium tetraborate decahydrate	408	8	1,213
Sierra	Forest, timberland	1	Triclopyr choline	368	11	132
Sierra	Rights of way	2	Glyphosate, isopropylamine salt	888	0	0
Sierra	Rights of way	2	Metam-sodium	24	0	0
Sierra	Rights of way	2	Sodium tetraborate decahydrate	24	0	0
Sierra	Rights of way	2	Aminopyralid, triisopropanolamine salt	12	0	0
Sierra	Rights of way	2	Indaziflam	4	0	0
Sierra	Grain	3	Glyphosate, isopropylamine salt	273	2	200
Sierra	Grain	3	Citric acid	2	1	60
Sierra	Grain	3	Ammonium sulfate	1	1	60
Sierra	Alfalfa	4	Glyphosate, isopropylamine salt	73	2	52
Sierra	Alfalfa	4	Imazethapyr, ammonium salt	36	7	356

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sierra	Alfalfa	4	Clethodim	6	1	60
Sierra	Alfalfa	4	Diflubenzuron	1	1	12
Sierra	County ag comm	5	Triclopyr, butoxyethyl ester	65	0	0
Sierra	County ag comm	5	Aminopyralid, triisopropanolamine salt	17	0	0
Sierra	County ag comm	5	Chlorsulfuron	5	0	0
Sierra	County ag comm	5	Aminocyclopyrachlor, potassium salt	1	0	0
Siskiyou	Soil fumigation/preplant	1	Methyl bromide	722,339	168	3,153
Siskiyou	Soil fumigation/preplant	1	Chloropicrin	414,673	167	3,140
Siskiyou	Soil fumigation/preplant	1	Hydrogen peroxide	618	3	132
Siskiyou	Soil fumigation/preplant	1	Peroxyacetic acid	401	3	132
Siskiyou	Soil fumigation/preplant	1	Mefenoxam	29	1	44
Siskiyou	Strawberry	2	Hydrogen peroxide	50,799	286	13,850
Siskiyou	Strawberry	2	Sulfur	37,393	222	10,641
Siskiyou	Strawberry	2	Peroxyacetic acid	21,950	286	13,850
Siskiyou	Strawberry	2	Iprodione	8,577	6	0
Siskiyou	Strawberry	2	Potassium phosphite	7,863	39	1,821
Siskiyou	Forest, timberland	3	Glyphosate, isopropylamine salt	34,674	264	13,361
Siskiyou	Forest, timberland	3	Hexazinone	5,780	83	5,330
Siskiyou	Forest, timberland	3	Oxyfluorfen	5,272	46	3,955
Siskiyou	Forest, timberland	3	Triclopyr, triethylamine salt	3,865	88	1,923
Siskiyou	Forest, timberland	3	Imazapyr, isopropylamine salt	3,391	105	6,431
Siskiyou	Landscape maintenance	4	Mineral oil	51,987	0	0
Siskiyou	Landscape maintenance	4	Glyphosate, isopropylamine salt	282	34	9
Siskiyou	Landscape maintenance	4	Pendimethalin	104	0	0
Siskiyou	Landscape maintenance	4	Diquat dibromide	42	34	9
Siskiyou	Landscape maintenance	4	Oxyfluorfen	37	0	0
Siskiyou	Alfalfa	5	Paraquat dichloride	6,162	115	7,906

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Siskiyou	Alfalfa	5	Glyphosate, potassium salt	5,436	45	3,190
Siskiyou	Alfalfa	5	Metribuzin	4,411	133	8,189
Siskiyou	Alfalfa	5	Malathion	4,207	82	3,874
Siskiyou	Alfalfa	5	Glyphosate, isopropylamine salt	2,653	49	2,489
Solano	Grape, wine	1	Sulfur	226,562	1,002	24,232
Solano	Grape, wine	1	Mineral oil	8,769	105	3,130
Solano	Grape, wine	1	Glyphosate, potassium salt	4,164	75	2,374
Solano	Grape, wine	1	Glufosinate-ammonium	4,053	182	4,067
Solano	Grape, wine	1	Potassium bicarbonate	3,210	35	803
Solano	Tomato, processing	2	Sulfur	187,675	132	9,072
Solano	Tomato, processing	2	S-metolachlor	17,741	165	10,022
Solano	Tomato, processing	2	Chlorothalonil	10,385	96	5,049
Solano	Tomato, processing	2	Glyphosate, potassium salt	7,373	19	2,801
Solano	Tomato, processing	2	Carbaryl	6,981	159	10,059
Solano	Almond	3	Glyphosate, potassium salt	39,783	295	17,392
Solano	Almond	3	Sulfur	32,553	40	1,752
Solano	Almond	3	Glufosinate-ammonium	23,879	369	24,560
Solano	Almond	3	Pendimethalin	17,906	85	6,850
Solano	Almond	3	Glyphosate, isopropylamine salt	17,663	190	8,509
Solano	Rights of way	4	Copper sulfate (pentahydrate)	30,985	0	0
Solano	Rights of way	4	Glyphosate, isopropylamine salt	10,039	11	66
Solano	Rights of way	4	Metam-sodium	6,801	0	0
Solano	Rights of way	4	Triclopyr, triethylamine salt	3,540	4	< 1
Solano	Rights of way	4	Endothall, dipotassium salt	2,707	0	0
Solano	Uncultivated ag	5	Glyphosate, potassium salt	25,272	315	14,935
Solano	Uncultivated ag	5	Glyphosate, isopropylamine salt	13,642	133	7,359
Solano	Uncultivated ag	5	Fatty acids, methyl esters	6,055	91	5,407

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Solano	Uncultivated ag	5	Ammonium sulfate	5,763	373	20,405
Solano	Uncultivated ag	5	Oxyfluorfen	1,131	187	9,256
Sonoma	Grape, wine	1	Sulfur	1,568,619	13,775	235,671
Sonoma	Grape, wine	1	Mineral oil	326,146	4,084	64,749
Sonoma	Grape, wine	1	Glufosinate-ammonium	21,331	2,236	20,252
Sonoma	Grape, wine	1	Potassium bicarbonate	20,265	491	6,715
Sonoma	Grape, wine	1	Glyphosate, potassium salt	19,097	996	12,758
Sonoma	Structural pest control	2	Sulfuryl fluoride	32,130	0	0
Sonoma	Structural pest control	2	Bifenthrin	3,937	0	0
Sonoma	Structural pest control	2	Disodium octaborate tetrahydrate	2,941	0	0
Sonoma	Structural pest control	2	Dinotefuran	1,556	0	0
Sonoma	Structural pest control	2	Boric acid	1,197	0	0
Sonoma	Apple	3	Mineral oil	17,621	96	724
Sonoma	Apple	3	Lime-sulfur	8,809	122	939
Sonoma	Apple	3	Kaolin	8,529	34	244
Sonoma	Apple	3	Sulfur	6,857	110	799
Sonoma	Apple	3	Bacillus thuringiensis subsp. kurstaki strain: abts-351	658	78	643
Sonoma	Landscape maintenance	4	Prodiamine	19,462	0	0
Sonoma	Landscape maintenance	4	Mineral oil	3,798	0	0
Sonoma	Landscape maintenance	4	Potassium phosphite	2,722	0	0
Sonoma	Landscape maintenance	4	Chlorothalonil	2,141	1	2
Sonoma	Landscape maintenance	4	Glyphosate, isopropylamine salt	1,719	0	0
Sonoma	Rights of way	5	Glyphosate, isopropylamine salt	4,061	0	0
Sonoma	Rights of way	5	Triclopyr choline	1,775	0	0
Sonoma	Rights of way	5	Glyphosate, potassium salt	1,725	0	0
Sonoma	Rights of way	5	Metam-sodium	1,410	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sonoma	Rights of way	5	Glyphosate, dimethylamine salt	626	0	0
Stanislaus	Almond	1	Mineral oil	1,041,045	2,781	163,956
Stanislaus	Almond	1	1,3-dichloropropene	396,642	62	1,206
Stanislaus	Almond	1	Glyphosate, isopropylamine salt	255,137	3,237	138,803
Stanislaus	Almond	1	Glyphosate, potassium salt	177,225	2,618	92,874
Stanislaus	Almond	1	Glufosinate-ammonium	137,831	3,695	138,546
Stanislaus	Grape, wine	2	Sulfur	324,513	505	32,507
Stanislaus	Grape, wine	2	Glufosinate-ammonium	6,803	207	5,328
Stanislaus	Grape, wine	2	Glyphosate, potassium salt	6,193	69	2,071
Stanislaus	Grape, wine	2	Lime-sulfur	4,403	2	521
Stanislaus	Grape, wine	2	Pendimethalin	3,391	40	986
Stanislaus	Walnut	3	Copper hydroxide	54,185	269	10,645
Stanislaus	Walnut	3	Kaolin	48,832	32	1,577
Stanislaus	Walnut	3	Glyphosate, isopropylamine salt	24,651	509	11,949
Stanislaus	Walnut	3	Mineral oil	21,109	194	7,128
Stanislaus	Walnut	3	Glyphosate, potassium salt	20,434	450	10,363
Stanislaus	Animal premise	4	Boric acid	284,144	11	18
Stanislaus	Animal premise	4	Permethrin	384	0	0
Stanislaus	Animal premise	4	Piperonyl butoxide	238	0	0
Stanislaus	Animal premise	4	Novaluron	96	0	0
Stanislaus	Animal premise	4	Beta-cyfluthrin	65	0	0
Stanislaus	Tomato, processing	5	Sulfur	133,036	73	5,448
Stanislaus	Tomato, processing	5	1,3-dichloropropene	32,883	4	257
Stanislaus	Tomato, processing	5	Chlorothalonil	15,517	117	7,784
Stanislaus	Tomato, processing	5	Potassium n-methyldithiocarbamate	13,803	3	268
Stanislaus	Tomato, processing	5	Glyphosate, isopropylamine salt	7,605	56	3,493
Sutter	Rice	1	Propanil	504,303	1,291	120,783

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sutter	Rice	1	Copper sulfate (pentahydrate)	137,947	131	11,517
Sutter	Rice	1	Mineral oil	126,206	607	60,030
Sutter	Rice	1	Sodium percarbonate	118,173	70	6,154
Sutter	Rice	1	Fatty acids, methyl esters	65,894	569	50,661
Sutter	Walnut	2	Copper hydroxide	59,360	413	13,555
Sutter	Walnut	2	Kaolin	43,947	43	1,238
Sutter	Walnut	2	Glyphosate, potassium salt	25,291	501	11,667
Sutter	Walnut	2	Mancozeb	20,519	389	12,260
Sutter	Walnut	2	Glyphosate, isopropylamine salt	19,923	397	11,032
Sutter	Peach	3	Mineral oil	124,952	424	6,890
Sutter	Peach	3	Copper hydroxide	29,548	262	4,406
Sutter	Peach	3	1,3-dichloropropene	18,503	10	56
Sutter	Peach	3	Ziram	14,099	176	2,847
Sutter	Peach	3	Sulfur	13,085	69	822
Sutter	Prune	4	Mineral oil	81,443	191	7,405
Sutter	Prune	4	Sulfur	30,183	33	2,196
Sutter	Prune	4	Chlorothalonil	21,277	168	7,199
Sutter	Prune	4	Copper hydroxide	9,805	22	1,771
Sutter	Prune	4	Glyphosate, isopropylamine salt	7,166	124	2,662
Sutter	Tomato, processing	5	Kaolin	59,608	16	1,496
Sutter	Tomato, processing	5	Sulfur	56,938	23	1,960
Sutter	Tomato, processing	5	S-metolachlor	12,109	104	7,514
Sutter	Tomato, processing	5	Trifluralin	4,161	71	4,966
Sutter	Tomato, processing	5	Pendimethalin	2,850	45	3,547
Tehama	Walnut	1	1,3-dichloropropene	171,075	128	521
Tehama	Walnut	1	Copper hydroxide	103,505	925	24,184
Tehama	Walnut	1	Mancozeb	44,075	944	24,588

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tehama	Walnut	1	Sulfuryl fluoride	23,039	0	0
Tehama	Walnut	1	Glyphosate, potassium salt	20,089	339	10,310
Tehama	Almond	2	Mancozeb	30,007	143	6,358
Tehama	Almond	2	Glyphosate, isopropylamine salt	25,026	298	11,322
Tehama	Almond	2	Sulfur	19,624	77	3,739
Tehama	Almond	2	1,3-dichloropropene	13,901	1	42
Tehama	Almond	2	Glyphosate, potassium salt	13,065	199	6,252
Tehama	Soil fumigation/preplant	3	1,3-dichloropropene	106,820	6	325
Tehama	Soil fumigation/preplant	3	Methyl bromide	20,545	8	98
Tehama	Soil fumigation/preplant	3	Chloropicrin	20,360	8	98
Tehama	Soil fumigation/preplant	3	2,4-d, dimethylamine salt	43	1	50
Tehama	Commodity fumigation	4	Methyl bromide	22,009	0	0
Tehama	Commodity fumigation	4	Propylene oxide	21,727	0	0
Tehama	Commodity fumigation	4	Sulfuryl fluoride	21,624	0	0
Tehama	Commodity fumigation	4	Magnesium phosphide	69	0	0
Tehama	Commodity fumigation	4	Aluminum phosphide	62	0	0
Tehama	Olive	5	Copper hydroxide	30,714	130	8,589
Tehama	Olive	5	Glyphosate, isopropylamine salt	8,511	140	2,625
Tehama	Olive	5	Mineral oil	2,406	131	5,435
Tehama	Olive	5	Glufosinate-ammonium	2,325	108	1,985
Tehama	Olive	5	Copper oxychloride	1,834	2	266
Trinity	Forest, timberland	1	Glyphosate, isopropylamine salt	6,208	198	4,589
Trinity	Forest, timberland	1	Glyphosate, diammonium salt	4,938	94	2,436
Trinity	Forest, timberland	1	Imazapyr, isopropylamine salt	2,623	202	4,608
Trinity	Forest, timberland	1	Clopyralid, monoethanolamine salt	2,086	69	2,608
Trinity	Forest, timberland	1	Oxyfluorfen	940	11	664
Trinity	Rights of way	2	Glyphosate, isopropylamine salt	1,141	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Trinity	Rights of way	2	Glyphosate, diammonium salt	595	0	0
Trinity	Rights of way	2	Alkyl (c10-16) dimethyl amine oxide	150	0	0
Trinity	Rights of way	2	Imazapyr, isopropylamine salt	63	0	0
Trinity	Rights of way	2	Metam-sodium	38	0	0
Trinity	None	3	Glyphosate, isopropylamine salt	103	3	66
Trinity	None	3	Triclopyr choline	47	1	28
Trinity	Landscape maintenance	4	Glyphosate, isopropylamine salt	21	0	0
Trinity	Landscape maintenance	4	Sulfometuron-methyl	< 1	0	0
Trinity	Landscape maintenance	4	Prodiamine	< 1	0	0
Trinity	Landscape maintenance	4	Boric acid	< 1	0	0
Trinity	Landscape maintenance	4	Indaziflam	< 1	0	0
Trinity	Structural pest control	5	Lambda-cyhalothrin	11	0	0
Trinity	Structural pest control	5	Permethrin	8	0	0
Trinity	Structural pest control	5	Dinotefuran	1	0	0
Trinity	Structural pest control	5	Fipronil	< 1	0	0
Trinity	Structural pest control	5	Alpha-cypermethrin	< 1	0	0
Tulare	Orange	1	Mineral oil	2,661,901	10,692	200,363
Tulare	Orange	1	Calcium hydroxide	1,582,956	3,601	66,124
Tulare	Orange	1	Kaolin	245,156	265	4,675
Tulare	Orange	1	Copper sulfate (basic)	236,102	2,846	52,812
Tulare	Orange	1	Copper hydroxide	53,108	932	16,147
Tulare	Grape	2	Sulfur	1,520,038	6,026	265,214
Tulare	Grape	2	Lime-sulfur	174,447	342	17,305
Tulare	Grape	2	1,3-dichloropropene	121,517	9	373
Tulare	Grape	2	Mineral oil	113,045	544	16,699
Tulare	Grape	2	Copper oxychloride	65,517	759	30,270
Tulare	Tangerine	3	Mineral oil	894,054	3,581	80,455

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tulare	Tangerine	3	Kaolin	443,411	525	10,758
Tulare	Tangerine	3	Calcium hydroxide	338,923	980	22,049
Tulare	Tangerine	3	1,3-dichloropropene	97,709	21	299
Tulare	Tangerine	3	Copper sulfate (basic)	76,358	789	18,859
Tulare	Almond	4	Mineral oil	1,212,031	1,924	111,743
Tulare	Almond	4	Glyphosate, isopropylamine salt	87,578	1,173	49,479
Tulare	Almond	4	Potassium phosphite	58,999	164	21,992
Tulare	Almond	4	Glyphosate, potassium salt	55,275	693	26,754
Tulare	Almond	4	Glufosinate-ammonium	54,648	1,212	54,469
Tulare	Lemon	5	Mineral oil	356,970	1,850	29,217
Tulare	Lemon	5	Calcium hydroxide	263,756	695	10,757
Tulare	Lemon	5	Copper sulfate (basic)	39,826	598	9,114
Tulare	Lemon	5	Petroleum oil, sulfurized	16,934	13	246
Tulare	Lemon	5	Hydrogen peroxide	8,932	0	0
Tuolumne	Forest, timberland	1	Glyphosate, diammonium salt	12,483	166	3,211
Tuolumne	Forest, timberland	1	Glyphosate, isopropylamine salt	8,930	79	2,968
Tuolumne	Forest, timberland	1	Glyphosate, dimethylamine salt	2,783	32	992
Tuolumne	Forest, timberland	1	Ammonium sulfate	991	168	3,477
Tuolumne	Forest, timberland	1	Oxyfluorfen	690	12	465
Tuolumne	Rights of way	2	Glyphosate, isopropylamine salt	2,918	18	593
Tuolumne	Rights of way	2	Sodium tetraborate decahydrate	2,062	0	0
Tuolumne	Rights of way	2	Glyphosate, potassium salt	982	0	0
Tuolumne	Rights of way	2	Metam-sodium	921	0	0
Tuolumne	Rights of way	2	Disodium octaborate anhydrous	451	0	0
Tuolumne	Landscape maintenance	3	Glyphosate, isopropylamine salt	2,681	0	0
Tuolumne	Landscape maintenance	3	Potassium phosphite	701	0	0
Tuolumne	Landscape maintenance	3	Glufosinate-ammonium	561	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tuolumne	Landscape maintenance	3	Glyphosate, potassium salt	451	0	0
Tuolumne	Landscape maintenance	3	Rimsulfuron	352	0	0
Tuolumne	Structural pest control	4	Bifenthrin	361	0	0
Tuolumne	Structural pest control	4	Permethrin	248	0	0
Tuolumne	Structural pest control	4	Sulfuryl fluoride	154	0	0
Tuolumne	Structural pest control	4	Deltamethrin	104	0	0
Tuolumne	Structural pest control	4	Dinotefuran	103	0	0
Tuolumne	Water area	5	Copper sulfate (pentahydrate)	111	0	13
Tuolumne	Water area	5	Copper ethanolamine complexes, mixed	83	0	16
Tuolumne	Water area	5	Copper triethanolamine complex	38	0	11
Tuolumne	Water area	5	Copper ethylenediamine complex	34	0	11
Tuolumne	Water area	5	Glyphosate, isopropylamine salt	< 1	0	< 1
Ventura	Strawberry	1	Chloropicrin	2,042,279	242	10,667
Ventura	Strawberry	1	Potassium n-methyldithiocarbamate	742,642	91	2,794
Ventura	Strawberry	1	1,3-dichloropropene	356,770	48	2,298
Ventura	Strawberry	1	Captan	149,567	1,862	90,060
Ventura	Strawberry	1	Metam-sodium	120,192	8	524
Ventura	Lemon	2	Mineral oil	865,375	1,209	26,745
Ventura	Lemon	2	Sodium hypochlorite	36,544	0	0
Ventura	Lemon	2	Sulfur	34,988	91	2,211
Ventura	Lemon	2	Glyphosate, potassium salt	29,014	937	17,862
Ventura	Lemon	2	Calcium hydroxide	28,404	318	7,909
Ventura	Avocado	3	Mineral oil	268,914	835	16,933
Ventura	Avocado	3	Glyphosate, potassium salt	15,253	1,087	12,042
Ventura	Avocado	3	Glyphosate, isopropylamine salt	13,867	1,143	8,301
Ventura	Avocado	3	Kaolin	3,549	12	87
Ventura	Avocado	3	Glufosinate-ammonium	2,160	449	6,104

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Ventura	Pepper, fruiting	4	Potassium n-methyldithiocarbamate	126,000	13	480
Ventura	Pepper, fruiting	4	Cryolite	33,201	135	3,119
Ventura	Pepper, fruiting	4	Chloropicrin	23,750	3	126
Ventura	Pepper, fruiting	4	Sulfur	5,277	62	2,047
Ventura	Pepper, fruiting	4	Kaolin	5,140	4	108
Ventura	Blackberry	5	Mineral oil	83,565	703	9,352
Ventura	Blackberry	5	Kaolin	14,856	16	391
Ventura	Blackberry	5	Lime-sulfur	9,093	90	741
Ventura	Blackberry	5	Diatomaceous earth	8,159	44	895
Ventura	Blackberry	5	Burkholderia rinojensis strain a396	4,975	58	1,128
Yolo	Grape, wine	1	Sulfur	1,452,015	2,720	122,963
Yolo	Grape, wine	1	Mineral oil	23,947	420	9,999
Yolo	Grape, wine	1	Glyphosate, isopropylamine salt	12,107	324	6,690
Yolo	Grape, wine	1	Glufosinate-ammonium	8,283	448	9,254
Yolo	Grape, wine	1	Glyphosate, potassium salt	6,732	220	4,110
Yolo	Uncultivated ag	2	Potassium n-methyldithiocarbamate	159,689	21	1,116
Yolo	Uncultivated ag	2	Glyphosate, isopropylamine salt	52,322	446	30,649
Yolo	Uncultivated ag	2	Glyphosate, potassium salt	44,500	332	19,832
Yolo	Uncultivated ag	2	Fatty acids, methyl esters	8,246	217	14,707
Yolo	Uncultivated ag	2	Ammonium sulfate	4,735	604	39,005
Yolo	Rice	3	Propanil	114,936	263	28,966
Yolo	Rice	3	Sodium percarbonate	36,616	16	1,666
Yolo	Rice	3	Copper sulfate (pentahydrate)	27,615	14	1,565
Yolo	Rice	3	Fatty acids, methyl esters	23,916	158	16,399
Yolo	Rice	3	Mineral oil	20,685	94	10,979
Yolo	Almond	4	Glyphosate, potassium salt	36,356	310	15,255
Yolo	Almond	4	Propylene oxide	28,071	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yolo	Almond	4	Chlorothalonil	22,421	132	9,789
Yolo	Almond	4	Glufosinate-ammonium	18,853	334	16,948
Yolo	Almond	4	Glyphosate, isopropylamine salt	17,232	181	9,616
Yolo	Tomato, processing	5	Sulfur	111,737	98	6,351
Yolo	Tomato, processing	5	Kaolin	28,723	20	1,038
Yolo	Tomato, processing	5	S-metolachlor	26,845	293	16,546
Yolo	Tomato, processing	5	Chlorothalonil	20,037	152	10,672
Yolo	Tomato, processing	5	Trifluralin	11,458	280	16,024
Yuba	Rice	1	Propanil	187,202	718	45,401
Yuba	Rice	1	Sodium percarbonate	48,291	39	2,412
Yuba	Rice	1	Copper sulfate (pentahydrate)	34,142	79	2,565
Yuba	Rice	1	Thiobencarb	29,358	104	10,190
Yuba	Rice	1	Fatty acids, methyl esters	18,218	189	11,344
Yuba	Walnut	2	Kaolin	52,951	102	2,027
Yuba	Walnut	2	Mineral oil	48,726	71	3,820
Yuba	Walnut	2	Copper hydroxide	33,682	254	10,025
Yuba	Walnut	2	Glyphosate, potassium salt	16,641	196	8,310
Yuba	Walnut	2	Mancozeb	16,578	214	9,256
Yuba	Prune	3	Mineral oil	40,441	71	2,902
Yuba	Prune	3	Chlorothalonil	10,328	79	3,426
Yuba	Prune	3	Sulfur	4,560	12	519
Yuba	Prune	3	Glyphosate, potassium salt	3,963	60	2,052
Yuba	Prune	3	Glyphosate, isopropylamine salt	3,848	118	2,699
Yuba	Peach	4	Mineral oil	31,957	165	1,875
Yuba	Peach	4	Copper hydroxide	6,168	68	887
Yuba	Peach	4	Sulfur	5,082	36	497
Yuba	Peach	4	Cuprous oxide	4,378	61	645

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yuba	Peach	4	Ziram	2,914	46	618
Yuba	Almond	5	Glyphosate, potassium salt	5,737	43	2,506
Yuba	Almond	5	Glyphosate, isopropylamine salt	4,099	37	2,292
Yuba	Almond	5	Glufosinate-ammonium	3,132	36	2,866
Yuba	Almond	5	Mineral oil	3,032	34	2,569
Yuba	Almond	5	Pendimethalin	1,694	8	896