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

Text files of data are available. The ranking of chemicals and commodities (sites) is determined by total pounds of chemicals 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	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Alameda	Sulfuryl fluoride	1	Structural pest control	61,439	0	0
Alameda	Sulfuryl fluoride	1	Fumigation, other	2,260	0	0
Alameda	Sulfuryl fluoride	1	Bean, unspecified	10	0	0
Alameda	Sodium chlorate	2	Water (industrial)	52,978	0	0
Alameda	Glyphosate, isopropylamine salt	3	Landscape maintenance	10,107	0	0
Alameda	Glyphosate, isopropylamine salt	3	Rights of way	5,511	0	0
Alameda	Glyphosate, isopropylamine salt	3	Grape, wine	1,826	299	1,146
Alameda	Glyphosate, isopropylamine salt	3	Almond	1,116	12	744
Alameda	Glyphosate, isopropylamine salt	3	Uncultivated ag	426	19	208
Alameda	Carbon dioxide	4	Structural pest control	13,765	0	0
Alameda	Carbon dioxide	4	Landscape maintenance	5,419	0	0
Alameda	Carbon dioxide	4	Vertebrate control	101	0	0
Alameda	Sulfur	5	Grape, wine	18,078	280	3,036
Alameda	Sulfur	5	Landscape maintenance	50	0	0
Alameda	Sulfur	5	Cannabis (all or unspecified)	29	128	5

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Alameda	Sulfur	5	Regulatory pest control	11	0	0
Alameda	Sulfur	5	Structural pest control	7	0	0
Alpine	Triclopyr, butoxyethyl ester	1	Landscape maintenance	311	0	0
Alpine	Pyriproxyfen	2	Cannabis (all or unspecified)	224	1	17
Alpine	Pyriproxyfen	2	Structural pest control	< 1	0	0
Alpine	Metam-sodium	3	Rights of way	80	0	0
Alpine	Glyphosate, isopropylamine salt	4	Rights of way	50	0	0
Alpine	Glyphosate, isopropylamine salt	4	Structural pest control	20	0	0
Alpine	Glyphosate, isopropylamine salt	4	Regulatory pest control	1	0	0
Alpine	Glyphosate, isopropylamine salt	4	Landscape maintenance	< 1	0	0
Alpine	Sodium tetraborate decahydrate	5	Rights of way	63	0	0
Amador	Sulfur	1	Grape, wine	37,529	542	6,578
Amador	Sulfur	1	Rights of way	20	1	5
Amador	Glyphosate, isopropylamine salt	2	Rights of way	3,818	15	30
Amador	Glyphosate, isopropylamine salt	2	Landscape maintenance	1,589	0	0
Amador	Glyphosate, isopropylamine salt	2	Grape, wine	1,277	113	823
Amador	Glyphosate, isopropylamine salt	2	Alfalfa	349	5	319
Amador	Glyphosate, isopropylamine salt	2	Forest, timberland	275	3	110
Amador	Boric acid	3	Structural pest control	2,886	0	0
Amador	Boric acid	3	Grape, wine	232	2	60
Amador	Boric acid	3	Landscape maintenance	1	0	0
Amador	Kaolin	4	Grape, wine	2,981	13	126
Amador	Glyphosate, diammonium salt	5	Forest, timberland	2,143	44	1,048
Amador	Glyphosate, diammonium salt	5	Rights of way	32	0	0
Butte	Propanil	1	Rice	421,893	1,243	100,575
Butte	Copper sulfate (pentahydrate)	2	Rice	308,745	339	23,048

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Butte	Copper sulfate (pentahydrate)	2	Rice, wild	2,802	12	189
Butte	Copper sulfate (pentahydrate)	2	Walnut	1,194	72	2,728
Butte	Copper sulfate (pentahydrate)	2	Landscape maintenance	181	0	0
Butte	Copper sulfate (pentahydrate)	2	Almond	122	4	165
Butte	Mineral oil	3	Rice	116,956	970	74,673
Butte	Mineral oil	3	Prune	24,331	55	2,312
Butte	Mineral oil	3	Peach	17,265	83	1,058
Butte	Mineral oil	3	Almond	6,494	97	3,781
Butte	Mineral oil	3	Walnut	3,698	92	2,586
Butte	Copper hydroxide	4	Walnut	125,984	932	35,435
Butte	Copper hydroxide	4	Olive	5,407	39	1,598
Butte	Copper hydroxide	4	Peach	5,039	48	668
Butte	Copper hydroxide	4	Prune	4,197	12	760
Butte	Copper hydroxide	4	Almond	1,059	34	1,198
Butte	Glyphosate, potassium salt	5	Walnut	63,573	954	33,459
Butte	Glyphosate, potassium salt	5	Almond	30,044	431	15,521
Butte	Glyphosate, potassium salt	5	Prune	7,437	119	3,880
Butte	Glyphosate, potassium salt	5	Rights of way	2,207	5	256
Butte	Glyphosate, potassium salt	5	Uncultivated ag	1,822	29	997
Calaveras	Sulfur	1	Grape, wine	8,671	149	1,557
Calaveras	Glyphosate, diammonium salt	2	Forest, timberland	7,194	123	2,363
Calaveras	Glyphosate, diammonium salt	2	Rights of way	162	0	0
Calaveras	Glyphosate, isopropylamine salt	3	Forest, timberland	3,321	29	1,095
Calaveras	Glyphosate, isopropylamine salt	3	Landscape maintenance	1,812	0	0
Calaveras	Glyphosate, isopropylamine salt	3	Rights of way	730	8	16
Calaveras	Glyphosate, isopropylamine salt	3	Grape, wine	357	33	223
Calaveras	Glyphosate, isopropylamine salt	3	Almond	164	4	82

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Calaveras	Boric acid	4	Animal premise	5,920	0	8
Calaveras	Boric acid	4	Structural pest control	10	0	0
Calaveras	Boric acid	4	Landscape maintenance	< 1	0	0
Calaveras	Dithiopyr	5	Rights of way	5,185	0	0
Calaveras	Dithiopyr	5	Landscape maintenance	337	0	0
Calaveras	Dithiopyr	5	Structural pest control	7	0	0
Colusa	Propanil	1	Rice	525,801	1,580	121,219
Colusa	Glyphosate, potassium salt	2	Almond	108,282	862	40,198
Colusa	Glyphosate, potassium salt	2	Uncultivated ag	47,010	224	15,073
Colusa	Glyphosate, potassium salt	2	Walnut	30,303	197	11,208
Colusa	Glyphosate, potassium salt	2	Rights of way	15,991	24	2,696
Colusa	Glyphosate, potassium salt	2	Tomato, processing	9,550	46	3,100
Colusa	Mineral oil	3	Almond	63,352	226	14,263
Colusa	Mineral oil	3	Rice	39,030	333	24,199
Colusa	Mineral oil	3	Walnut	34,073	125	8,264
Colusa	Mineral oil	3	Rights of way	3,022	11	374
Colusa	Mineral oil	3	Uncultivated ag	1,021	21	1,109
Colusa	Fatty acids, methyl esters	4	Rice	90,653	772	71,246
Colusa	Fatty acids, methyl esters	4	Uncultivated ag	9,454	167	11,892
Colusa	Fatty acids, methyl esters	4	Almond	8,404	237	7,480
Colusa	Fatty acids, methyl esters	4	Tomato, processing	6,000	131	6,882
Colusa	Fatty acids, methyl esters	4	Alfalfa	1,687	42	1,668
Colusa	Kaolin	5	Tomato, processing	93,442	60	3,255
Colusa	Kaolin	5	Grape, wine	4,739	3	200
Colusa	Kaolin	5	Cucumber	3,586	16	151
Colusa	Kaolin	5	Squash	1,672	2	40
Colusa	Kaolin	5	Uncultivated ag	1,188	7	50

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Contra costa	Sulfur	1	Tomato, processing	91,075	110	4,329
Contra costa	Sulfur	1	Grape, wine	63,658	349	4,412
Contra costa	Sulfur	1	Peach	1,404	54	233
Contra costa	Sulfur	1	Nectarine	711	31	118
Contra costa	Sulfur	1	Cherry	317	5	53
Contra costa	Copper ethylenediamine complex	2	Water area	48,714	0	1,603
Contra costa	Copper ethylenediamine complex	2	Landscape maintenance	2	0	0
Contra costa	Glyphosate, isopropylamine salt	3	Landscape maintenance	16,084	1	1
Contra costa	Glyphosate, isopropylamine salt	3	Rights of way	7,420	9	12
Contra costa	Glyphosate, isopropylamine salt	3	Almond	5,030	37	2,913
Contra costa	Glyphosate, isopropylamine salt	3	Water area	3,805	0	391
Contra costa	Glyphosate, isopropylamine salt	3	Uncultivated ag	3,415	28	2,092
Contra costa	Mineral oil	4	Public health	20,721	0	0
Contra costa	Mineral oil	4	Cherry	2,457	36	388
Contra costa	Mineral oil	4	Landscape maintenance	2,424	0	0
Contra costa	Mineral oil	4	Corn, human consumption	1,347	48	826
Contra costa	Mineral oil	4	Grape, wine	1,005	48	168
Contra costa	Endothall, dipotassium salt	5	Water area	27,514	0	1,621
Contra costa	Endothall, dipotassium salt	5	Landscape maintenance	254	0	0
Del norte	Metam-sodium	1	Soil fumigation/preplant	68,658	52	214
Del norte	1,3-dichloropropene	2	N-outdr flower	45,119	18	185
Del norte	Copper hydroxide	3	N-outdr flower	6,802	538	3,791
Del norte	Copper hydroxide	3	Rights of way	3	0	0
Del norte	Triclopyr, butoxyethyl ester	4	Forest, timberland	2,042	78	1,124
Del norte	Triclopyr, butoxyethyl ester	4	Landscape maintenance	< 1	0	0
Del norte	Chlorothalonil	5	N-outdr flower	1,725	290	2,044
El dorado	Glyphosate, isopropylamine salt	1	Forest, timberland	30,935	375	7,836

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
El dorado	Glyphosate, isopropylamine salt	1	Rights of way	9,201	4	40
El dorado	Glyphosate, isopropylamine salt	1	Landscape maintenance	5,195	1	1
El dorado	Glyphosate, isopropylamine salt	1	Grape, wine	2,179	153	1,161
El dorado	Glyphosate, isopropylamine salt	1	Christmas tree	170	8	59
El dorado	Mineral oil	2	Grape, wine	16,733	414	3,754
El dorado	Mineral oil	2	Apple	12,298	153	929
El dorado	Mineral oil	2	Landscape maintenance	3,698	0	0
El dorado	Mineral oil	2	Pear	2,356	22	98
El dorado	Mineral oil	2	Peach	1,131	31	96
El dorado	Sulfur	3	Grape, wine	14,672	505	4,630
El dorado	Sulfur	3	Nectarine	42	3	5
El dorado	Sulfur	3	Stone fruit	41	1	9
El dorado	Sulfur	3	Peach	20	5	2
El dorado	Sulfur	3	Rangeland	17	1	5
El dorado	Glyphosate, diammonium salt	4	Forest, timberland	10,922	148	2,075
El dorado	Glyphosate, diammonium salt	4	Rights of way	54	0	0
El dorado	Permethrin	5	Structural pest control	10,458	0	0
El dorado	Permethrin	5	Landscape maintenance	25	0	0
El dorado	Permethrin	5	Regulatory pest control	5	0	0
El dorado	Permethrin	5	Public health	< 1	0	0
Fresno	Sulfur	1	Grape	2,692,924	12,680	409,431
Fresno	Sulfur	1	Tomato, processing	1,834,920	630	72,345
Fresno	Sulfur	1	Grape, wine	1,515,310	2,680	213,517
Fresno	Sulfur	1	Almond	175,720	270	23,647
Fresno	Sulfur	1	Pistachio	172,779	338	44,998
Fresno	Mineral oil	2	Almond	1,975,623	4,244	216,938
Fresno	Mineral oil	2	Orange	589,649	2,299	49,831

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Fresno	Mineral oil	2	Peach	557,792	3,012	55,347
Fresno	Mineral oil	2	Tangerine	443,670	1,463	34,892
Fresno	Mineral oil	2	Pistachio	295,311	1,288	118,712
Fresno	Potassium n-methyldithiocarbamate	3	Tomato, processing	1,890,771	200	10,771
Fresno	Potassium n-methyldithiocarbamate	3	Onion, dry	324,140	10	1,310
Fresno	Potassium n-methyldithiocarbamate	3	Carrot	253,185	9	1,028
Fresno	Potassium n-methyldithiocarbamate	3	Watermelon	196,990	17	874
Fresno	Potassium n-methyldithiocarbamate	3	Uncultivated ag	183,221	17	1,635
Fresno	Glyphosate, potassium salt	4	Almond	254,840	3,195	121,263
Fresno	Glyphosate, potassium salt	4	Pistachio	167,445	1,322	75,414
Fresno	Glyphosate, potassium salt	4	Cotton	112,957	770	58,812
Fresno	Glyphosate, potassium salt	4	Tomato, processing	44,288	237	24,080
Fresno	Glyphosate, potassium salt	4	Tangerine	33,378	657	14,835
Fresno	Glyphosate, isopropylamine salt	5	Almond	245,140	3,044	128,700
Fresno	Glyphosate, isopropylamine salt	5	Pistachio	138,851	1,252	70,822
Fresno	Glyphosate, isopropylamine salt	5	Rights of way	111,200	12	237
Fresno	Glyphosate, isopropylamine salt	5	Tomato, processing	70,770	223	27,383
Fresno	Glyphosate, isopropylamine salt	5	Cotton	53,856	280	28,200
Glenn	Propanil	1	Rice	368,069	1,393	81,288
Glenn	1,3-dichloropropene	2	Almond	141,226	6	442
Glenn	1,3-dichloropropene	2	Walnut	30,582	58	93
Glenn	1,3-dichloropropene	2	Uncultivated ag	22,260	1	68
Glenn	1,3-dichloropropene	2	Soil fumigation/preplant	12,368	1	38
Glenn	Copper sulfate (pentahydrate)	3	Rice	130,692	163	10,286
Glenn	Copper sulfate (pentahydrate)	3	Water area	21,439	0	0
Glenn	Copper sulfate (pentahydrate)	3	Walnut	500	48	1,397
Glenn	Copper sulfate (pentahydrate)	3	Almond	89	11	456

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Glenn	Copper sulfate (pentahydrate)	3	Cucumber	30	8	371
Glenn	Glyphosate, isopropylamine salt	4	Almond	65,416	810	28,856
Glenn	Glyphosate, isopropylamine salt	4	Walnut	19,859	609	10,587
Glenn	Glyphosate, isopropylamine salt	4	Rights of way	16,427	0	0
Glenn	Glyphosate, isopropylamine salt	4	Olive	9,854	137	3,399
Glenn	Glyphosate, isopropylamine salt	4	Uncultivated ag	4,694	115	2,506
Glenn	Copper hydroxide	5	Walnut	60,929	439	14,678
Glenn	Copper hydroxide	5	Olive	49,630	206	11,730
Glenn	Copper hydroxide	5	Prune	3,316	3	540
Glenn	Copper hydroxide	5	Almond	158	5	177
Glenn	Copper hydroxide	5	Rights of way	5	0	0
Humboldt	Imazapyr, isopropylamine salt	1	Forest, timberland	5,976	437	9,361
Humboldt	Imazapyr, isopropylamine salt	1	Rights of way	261	0	0
Humboldt	Imazapyr, isopropylamine salt	1	Water area	128	0	80
Humboldt	Imazapyr, isopropylamine salt	1	N-grnhs plants in containers	10	1	12
Humboldt	Imazapyr, isopropylamine salt	1	Landscape maintenance	< 1	0	0
Humboldt	Triclopyr, butoxyethyl ester	2	Forest, timberland	4,015	153	2,710
Humboldt	Triclopyr, butoxyethyl ester	2	Turf/sod	< 1	0	1
Humboldt	Glyphosate, isopropylamine salt	3	Forest, timberland	1,895	52	1,587
Humboldt	Glyphosate, isopropylamine salt	3	Rights of way	59	0	0
Humboldt	Glyphosate, isopropylamine salt	3	Landscape maintenance	50	0	0
Humboldt	Glyphosate, isopropylamine salt	3	Turf/sod	21	0	64
Humboldt	Glyphosate, isopropylamine salt	3	N-grnhs transplants	14	6	12
Humboldt	Triclopyr choline	4	Forest, timberland	1,388	41	853
Humboldt	Triclopyr choline	4	Rights of way	6	0	0
Humboldt	Disodium octaborate tetrahydrate	5	Structural pest control	1,346	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Imperial	Sulfur	1	Bermudagrass	346,983	210	15,800
Imperial	Sulfur	1	Sugarbeet	325,982	257	17,592
Imperial	Sulfur	1	Alfalfa	182,078	77	6,727
Imperial	Sulfur	1	Carrot	86,970	294	8,480
Imperial	Sulfur	1	Watermelon	24,464	19	824
Imperial	Mineral oil	2	Lemon	195,355	328	12,382
Imperial	Mineral oil	2	Alfalfa	109,425	1,587	106,271
Imperial	Mineral oil	2	Corn, human consumption	60,308	556	42,340
Imperial	Mineral oil	2	Grapefruit	31,659	56	2,250
Imperial	Mineral oil	2	Rights of way	30,895	0	0
Imperial	Pendimethalin	3	Alfalfa	295,716	2,104	140,961
Imperial	Pendimethalin	3	Corn, human consumption	9,853	150	7,316
Imperial	Pendimethalin	3	Onion, dry	7,686	187	10,053
Imperial	Pendimethalin	3	Carrot	4,720	100	5,139
Imperial	Pendimethalin	3	N-outdr plants in containers	1,606	14	847
Imperial	1,3-dichloropropene	4	Carrot	226,804	54	2,291
Imperial	Glyphosate, isopropylamine salt	5	Rights of way	136,311	0	0
Imperial	Glyphosate, isopropylamine salt	5	Uncultivated ag	40,724	170	8,764
Imperial	Glyphosate, isopropylamine salt	5	Sugarbeet	29,201	320	22,893
Imperial	Glyphosate, isopropylamine salt	5	Corn (forage - fodder)	4,235	28	2,549
Imperial	Glyphosate, isopropylamine salt	5	Bermudagrass	2,018	11	632
Inyo	Glyphosate, isopropylamine salt	1	Rights of way	1,263	0	0
Inyo	Glyphosate, isopropylamine salt	1	Alfalfa	420	5	210
Inyo	Glyphosate, isopropylamine salt	1	Forage hay/silage	160	1	80
Inyo	Glyphosate, isopropylamine salt	1	Pastureland	4	0	3
Inyo	Glyphosate, isopropylamine salt	1	Landscape maintenance	< 1	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Inyo	Triclopyr, butoxyethyl ester	2	Rights of way	1,729	0	0
Inyo	Triclopyr, butoxyethyl ester	2	Pastureland	4	0	3
Inyo	Fatty acids, methyl esters	3	Alfalfa	313	2	180
Inyo	Fatty acids, methyl esters	3	Rights of way	70	0	0
Inyo	Ammonium sulfate	4	Alfalfa	283	6	330
Inyo	Ammonium sulfate	4	Forage hay/silage	8	1	80
Inyo	Ammonium sulfate	4	Rights of way	7	0	0
Inyo	Bifenthrin	5	Structural pest control	210	0	0
Inyo	Bifenthrin	5	N-grnhs flower	< 1	0	10
Kern	Mineral oil	1	Almond	3,444,032	4,197	339,483
Kern	Mineral oil	1	Orange	1,787,377	2,870	99,938
Kern	Mineral oil	1	Tangerine	1,445,247	1,496	73,351
Kern	Mineral oil	1	Pistachio	326,272	760	68,527
Kern	Mineral oil	1	Lemon	321,610	472	18,997
Kern	Sulfur	2	Grape	2,368,071	9,809	452,679
Kern	Sulfur	2	Pistachio	698,414	730	86,718
Kern	Sulfur	2	Grape, wine	383,702	486	52,365
Kern	Sulfur	2	Carrot	201,184	739	41,001
Kern	Sulfur	2	Tomato, processing	168,419	120	11,176
Kern	Metam-sodium	3	Carrot	849,188	78	4,525
Kern	Metam-sodium	3	Potato	452,679	38	2,148
Kern	Metam-sodium	3	Pepper, fruiting	27,870	3	255
Kern	Metam-sodium	3	Garlic	13,467	1	78
Kern	Metam-sodium	3	Onion, dry	11,554	2	77
Kern	Potassium n-methyldithiocarbamate	4	Carrot	437,809	30	1,978
Kern	Potassium n-methyldithiocarbamate	4	Potato	420,543	31	2,162
Kern	Potassium n-methyldithiocarbamate	4	Tomato, processing	63,938	19	1,068

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kern	Potassium n-methyldithiocarbamate	4	Lettuce, leaf	50,495	6	334
Kern	Potassium n-methyldithiocarbamate	4	Onion, dry	48,195	6	320
Kern	Glyphosate, potassium salt	5	Almond	453,798	3,725	191,048
Kern	Glyphosate, potassium salt	5	Pistachio	220,222	2,229	112,279
Kern	Glyphosate, potassium salt	5	Cotton	47,004	359	29,558
Kern	Glyphosate, potassium salt	5	Corn (forage - fodder)	39,749	611	36,823
Kern	Glyphosate, potassium salt	5	Orange	28,255	404	13,810
Kings	Sulfur	1	Tomato, processing	1,269,958	330	50,776
Kings	Sulfur	1	Grape	208,075	526	28,384
Kings	Sulfur	1	Pistachio	124,609	167	16,910
Kings	Sulfur	1	Grape, wine	49,544	196	8,571
Kings	Sulfur	1	Carrot	18,493	18	2,170
Kings	Mineral oil	2	Almond	340,655	777	38,101
Kings	Mineral oil	2	Peach	110,719	383	5,353
Kings	Mineral oil	2	Plum	65,319	185	2,328
Kings	Mineral oil	2	Pistachio	58,265	349	20,912
Kings	Mineral oil	2	Nectarine	50,679	178	2,377
Kings	Glyphosate, potassium salt	3	Cotton	157,169	612	112,736
Kings	Glyphosate, potassium salt	3	Pistachio	76,115	648	40,215
Kings	Glyphosate, potassium salt	3	Rights of way	46,739	81	19,675
Kings	Glyphosate, potassium salt	3	Almond	46,338	435	21,716
Kings	Glyphosate, potassium salt	3	Soil fumigation/preplant	42,994	180	27,694
Kings	Potassium n-methyldithiocarbamate	4	Soil fumigation/preplant	287,800	40	2,143
Kings	Glyphosate, isopropylamine salt	5	Cotton	52,621	214	31,096
Kings	Glyphosate, isopropylamine salt	5	Rights of way	46,335	47	11,012
Kings	Glyphosate, isopropylamine salt	5	Pistachio	31,181	517	18,421
Kings	Glyphosate, isopropylamine salt	5	Almond	30,433	419	16,594

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kings	Glyphosate, isopropylamine salt	5	Corn (forage - fodder)	27,326	353	21,094
Lake	Sulfur	1	Grape, wine	264,001	1,118	35,492
Lake	Sulfur	1	Pear	10,402	38	938
Lake	Sulfur	1	Grape	205	4	93
Lake	Sulfur	1	Cannabis (all or unspecified)	45	5	24
Lake	Mineral oil	2	Pear	127,934	255	5,597
Lake	Mineral oil	2	Grape, wine	57,051	348	7,587
Lake	Mineral oil	2	Cannabis (all or unspecified)	1,384	31	90
Lake	Mineral oil	2	Uncultivated ag	187	4	13
Lake	Mineral oil	2	Landscape maintenance	130	0	0
Lake	Glyphosate, isopropylamine salt	3	Landscape maintenance	20,583	0	0
Lake	Glyphosate, isopropylamine salt	3	Grape, wine	3,387	171	2,305
Lake	Glyphosate, isopropylamine salt	3	Rights of way	1,460	1	3
Lake	Glyphosate, isopropylamine salt	3	Pear	425	27	184
Lake	Glyphosate, isopropylamine salt	3	Walnut	167	10	96
Lake	Lime-sulfur	4	Pear	13,678	21	379
Lake	Lime-sulfur	4	Grape, wine	1,137	2	37
Lake	Kaolin	5	Grape, wine	8,189	13	542
Lake	Kaolin	5	Walnut	19	3	42
Lassen	Methyl bromide	1	Strawberry	38,473	5	191
Lassen	Methyl bromide	1	Soil fumigation/preplant	17,536	4	83
Lassen	Glyphosate, isopropylamine salt	2	Forest, timberland	21,459	76	7,353
Lassen	Glyphosate, isopropylamine salt	2	Alfalfa	7,443	75	5,160
Lassen	Glyphosate, isopropylamine salt	2	Landscape maintenance	1,045	0	0
Lassen	Glyphosate, isopropylamine salt	2	Rights of way	747	5	50

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Lassen	Glyphosate, isopropylamine salt	2	Forage hay/silage	268	7	223
Lassen	Chloropicrin	3	Strawberry	15,257	2	101
Lassen	Chloropicrin	3	Soil fumigation/preplant	11,226	4	83
Lassen	Sulfur	4	Strawberry	12,577	87	3,375
Lassen	Sulfur	4	Rye	118	1	32
Lassen	Glyphosate, diammonium salt	5	Forest, timberland	7,375	53	1,672
Los angeles	Sulfuryl fluoride	1	Structural pest control	637,903	0	0
Los angeles	Sulfuryl fluoride	1	Fumigation, other	25,186	0	0
Los angeles	Sulfuryl fluoride	1	Commodity fumigation	998	0	0
Los angeles	Potassium n-methyldithiocarbamate	2	Carrot	419,273	16	1,250
Los angeles	Boric acid	3	Structural pest control	138,950	0	0
Los angeles	Boric acid	3	Landscape maintenance	119	0	0
Los angeles	Boric acid	3	Regulatory pest control	2	0	0
Los angeles	Methyl bromide	4	Commodity fumigation	39,847	0	0
Los angeles	Methyl bromide	4	Fumigation, other	36,102	0	0
Los angeles	Methyl bromide	4	Regulatory pest control	14,240	0	0
Los angeles	Glyphosate, isopropylamine salt	5	Rights of way	31,963	2	0
Los angeles	Glyphosate, isopropylamine salt	5	Landscape maintenance	25,211	1	360
Los angeles	Glyphosate, isopropylamine salt	5	N-outdr plants in containers	4,249	668	1,054
Los angeles	Glyphosate, isopropylamine salt	5	Alfalfa	2,520	9	1,090
Los angeles	Glyphosate, isopropylamine salt	5	Forest, timberland	1,214	0	354
Madera	Sulfur	1	Grape, wine	1,367,457	2,483	178,611
Madera	Sulfur	1	Grape	1,099,599	2,633	139,097
Madera	Sulfur	1	Tomato, processing	114,140	72	5,009
Madera	Sulfur	1	Pistachio	34,331	65	6,461
Madera	Sulfur	1	Almond	13,162	50	2,225

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Madera	Mineral oil	2	Almond	1,042,858	2,548	141,046
Madera	Mineral oil	2	Pistachio	146,896	436	19,692
Madera	Mineral oil	2	Tangerine	68,375	150	9,356
Madera	Mineral oil	2	Orange	67,299	371	10,598
Madera	Mineral oil	2	Grape, wine	20,416	184	10,435
Madera	Glyphosate, potassium salt	3	Almond	200,167	2,215	101,859
Madera	Glyphosate, potassium salt	3	Pistachio	99,189	942	46,148
Madera	Glyphosate, potassium salt	3	Grape, wine	23,394	309	10,507
Madera	Glyphosate, potassium salt	3	Corn (forage - fodder)	11,776	152	8,440
Madera	Glyphosate, potassium salt	3	Rights of way	7,489	21	694
Madera	Glyphosate, isopropylamine salt	4	Almond	147,258	1,835	92,529
Madera	Glyphosate, isopropylamine salt	4	Pistachio	42,495	619	30,159
Madera	Glyphosate, isopropylamine salt	4	Rights of way	26,222	16	422
Madera	Glyphosate, isopropylamine salt	4	Grape	13,226	348	8,656
Madera	Glyphosate, isopropylamine salt	4	Grape, wine	10,685	130	5,070
Madera	Glufosinate-ammonium	5	Almond	137,521	3,154	152,892
Madera	Glufosinate-ammonium	5	Pistachio	55,880	1,280	66,128
Madera	Glufosinate-ammonium	5	Grape, wine	19,419	579	24,542
Madera	Glufosinate-ammonium	5	Grape	9,964	431	10,225
Madera	Glufosinate-ammonium	5	Rights of way	6,203	21	824
Marin	Sulfuryl fluoride	1	Structural pest control	17,573	0	0
Marin	Copper ethanolamine complexes, mixed	2	Water area	12,724	0	0
Marin	Potassium phosphite	3	Landscape maintenance	10,802	0	0
Marin	Potassium phosphite	3	Structural pest control	74	0	0
Marin	Mineral oil	4	Landscape maintenance	5,207	0	0
Marin	Mineral oil	4	Grape, wine	848	51	243
Marin	Mineral oil	4	Public health	43	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Marin	Mineral oil	4	Structural pest control	15	0	0
Marin	Mineral oil	4	Peach	3	1	< 1
Marin	Prodiamine	5	Landscape maintenance	3,633	0	0
Mariposa	Glyphosate, isopropylamine salt	1	Landscape maintenance	1,092	0	0
Mariposa	Glyphosate, isopropylamine salt	1	Rights of way	1,047	0	0
Mariposa	Glyphosate, isopropylamine salt	1	Structural pest control	163	0	0
Mariposa	Glyphosate, isopropylamine salt	1	Forest, timberland	67	3	37
Mariposa	Glyphosate, isopropylamine salt	1	Regulatory pest control	54	0	0
Mariposa	Aminopyralid, triisopropanolamine salt	2	Landscape maintenance	424	0	0
Mariposa	Aminopyralid, triisopropanolamine salt	2	Rights of way	39	0	0
Mariposa	Aminopyralid, triisopropanolamine salt	2	Regulatory pest control	4	0	0
Mariposa	Sodium tetraborate decahydrate	3	Rights of way	466	0	0
Mariposa	Sulfuryl fluoride	4	Structural pest control	409	0	0
Mariposa	Glufosinate-ammonium	5	Rights of way	283	0	0
Mariposa	Glufosinate-ammonium	5	Landscape maintenance	117	0	0
Mendocino	Sulfur	1	Grape, wine	394,929	2,337	54,442
Mendocino	Sulfur	1	Pear	4,404	9	398
Mendocino	Sulfur	1	N-outdr plants in containers	245	1	20
Mendocino	Sulfur	1	Apple	234	5	50
Mendocino	Sulfur	1	Cannabis (all or unspecified)	44	6	2
Mendocino	Mineral oil	2	Grape, wine	112,858	798	19,608
Mendocino	Mineral oil	2	Pear	72,426	64	3,191
Mendocino	Mineral oil	2	Turf/sod	115	0	14
Mendocino	Mineral oil	2	Cannabis (all or unspecified)	42	6	1
Mendocino	Mineral oil	2	Forest, timberland	7	2	25

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mendocino	Octhilinone	3	Lumber, treated	156,772	0	0
Mendocino	5-chloro-2-methyl-4-isothiazolin-3-one	4	Lumber, treated	62,687	0	0
Mendocino	5-chloro-2-methyl-4-isothiazolin-3-one	4	Water (industrial)	3	0	0
Mendocino	2-methyl-4-isothiazolin-3-one	5	Lumber, treated	22,302	0	0
Mendocino	2-methyl-4-isothiazolin-3-one	5	Water (industrial)	1	0	0
Merced	Sulfur	1	Tomato, processing	733,589	378	25,803
Merced	Sulfur	1	Grape, wine	620,378	591	66,651
Merced	Sulfur	1	Tomato	103,682	49	5,178
Merced	Sulfur	1	Almond	48,508	75	6,290
Merced	Sulfur	1	Peach	33,276	253	5,047
Merced	1,3-dichloropropene	2	Sweet potato	809,920	273	6,862
Merced	1,3-dichloropropene	2	Almond	146,733	23	470
Merced	1,3-dichloropropene	2	Peach	11,012	5	34
Merced	1,3-dichloropropene	2	Cherry	1,506	1	5
Merced	1,3-dichloropropene	2	N-outdr transplants	608	1	5
Merced	Mineral oil	3	Almond	587,680	1,669	102,500
Merced	Mineral oil	3	Peach	35,579	108	1,954
Merced	Mineral oil	3	Pistachio	31,117	166	9,303
Merced	Mineral oil	3	Public health	29,284	0	0
Merced	Mineral oil	3	Prune	26,789	24	1,996
Merced	Glyphosate, potassium salt	4	Almond	186,532	2,085	108,308
Merced	Glyphosate, potassium salt	4	Cotton	55,295	792	35,031
Merced	Glyphosate, potassium salt	4	Grape, wine	43,544	203	10,939
Merced	Glyphosate, potassium salt	4	Corn (forage - fodder)	37,437	554	25,040
Merced	Glyphosate, potassium salt	4	Pistachio	32,094	411	17,932
Merced	Potassium n-methyldithiocarbamate	5	Sweet potato	129,380	28	551
Merced	Potassium n-methyldithiocarbamate	5	Tomato, processing	118,139	20	835

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Merced	Potassium n-methyldithiocarbamate	5	Watermelon	41,206	6	120
Merced	Potassium n-methyldithiocarbamate	5	Onion, dry	39,481	3	177
Merced	Potassium n-methyldithiocarbamate	5	Cantaloupe	27,385	4	79
Modoc	2,4-d, dimethylamine salt	1	Forage hay/silage	4,298	54	4,107
Modoc	2,4-d, dimethylamine salt	1	Wheat	2,458	35	2,562
Modoc	2,4-d, dimethylamine salt	1	Orchardgrass	1,279	12	1,133
Modoc	2,4-d, dimethylamine salt	1	Uncultivated ag	444	4	363
Modoc	2,4-d, dimethylamine salt	1	Rights of way	250	0	0
Modoc	Glyphosate, potassium salt	2	Alfalfa	3,701	35	2,696
Modoc	Glyphosate, potassium salt	2	Uncultivated ag	2,290	21	1,267
Modoc	Glyphosate, potassium salt	2	Onion, dry	1,349	17	958
Modoc	Glyphosate, potassium salt	2	Potato	501	5	303
Modoc	Glyphosate, potassium salt	2	Barley	356	4	200
Modoc	Glyphosate, isopropylamine salt	3	Rights of way	4,073	0	0
Modoc	Glyphosate, isopropylamine salt	3	Forest, timberland	2,363	5	935
Modoc	Glyphosate, isopropylamine salt	3	Forage hay/silage	731	6	402
Modoc	Glyphosate, isopropylamine salt	3	Rice, wild	352	6	176
Modoc	Glyphosate, isopropylamine salt	3	Regulatory pest control	204	0	0
Modoc	Metribuzin	4	Alfalfa	5,270	172	10,936
Modoc	Metribuzin	4	Potato	1,248	39	2,553
Modoc	Metribuzin	4	Forage hay/silage	257	18	573
Modoc	Paraquat dichloride	5	Alfalfa	6,437	102	6,926
Modoc	Paraquat dichloride	5	Forage hay/silage	158	6	235
Mono	Pendimethalin	1	Alfalfa	2,658	22	1,380
Mono	Glyphosate, isopropylamine salt	2	Alfalfa	1,711	11	857
Mono	Glyphosate, isopropylamine salt	2	Rights of way	212	0	0
Mono	Diuron	3	Alfalfa	1,210	30	1,259

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mono	Hexazinone	4	Alfalfa	112	12	618
Mono	Propionic acid	5	Alfalfa	102	11	857
Monterey	Chloropicrin	1	Strawberry	2,415,773	1,079	8,979
Monterey	Chloropicrin	1	Raspberry	18,559	9	64
Monterey	Chloropicrin	1	Lettuce, leaf	250	1	< 1
Monterey	Chloropicrin	1	Structural pest control	6	0	0
Monterey	Sulfur	2	Grape, wine	720,930	5,168	156,673
Monterey	Sulfur	2	Strawberry	123,437	1,111	37,011
Monterey	Sulfur	2	Carrot	33,271	332	5,228
Monterey	Sulfur	2	Brussels sprout	32,226	788	8,308
Monterey	Sulfur	2	Peas	13,209	421	3,061
Monterey	Mineral oil	3	Grape, wine	729,164	2,947	133,324
Monterey	Mineral oil	3	Lemon	81,995	86	4,042
Monterey	Mineral oil	3	Avocado	7,925	11	180
Monterey	Mineral oil	3	Broccoli	4,662	626	7,311
Monterey	Mineral oil	3	Cannabis (all or unspecified)	4,224	661	350
Monterey	1,3-dichloropropene	4	Strawberry	771,118	866	8,158
Monterey	1,3-dichloropropene	4	Grape, wine	16,796	2	53
Monterey	1,3-dichloropropene	4	Brussels sprout	15,004	12	243
Monterey	1,3-dichloropropene	4	Carrot	11,522	5	110
Monterey	1,3-dichloropropene	4	Raspberry	4,535	9	64
Monterey	Potassium phosphite	5	Lettuce, leaf	188,526	6,201	62,220
Monterey	Potassium phosphite	5	Lettuce, head	101,197	3,503	37,708
Monterey	Potassium phosphite	5	Spinach	22,580	983	10,049
Monterey	Potassium phosphite	5	Artichoke, globe	6,426	198	2,678
Monterey	Potassium phosphite	5	Strawberry	5,932	21	1,121

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Napa	Sulfur	1	Grape, wine	820,326	8,564	145,171
Napa	Sulfur	1	Uncultivated ag	263	9	31
Napa	Sulfur	1	Grape	192	7	48
Napa	Sulfur	1	Potato	5	1	2
Napa	Sulfur	1	Landscape maintenance	4	0	0
Napa	Mineral oil	2	Grape, wine	206,722	2,916	40,340
Napa	Mineral oil	2	Landscape maintenance	3,768	0	0
Napa	Mineral oil	2	Grape	212	4	20
Napa	Mineral oil	2	Olive	91	12	15
Napa	Mineral oil	2	Stone fruit	35	3	3
Napa	Carbon dioxide	3	Vertebrate control	20,689	0	0
Napa	Carbon dioxide	3	Landscape maintenance	15,045	0	0
Napa	Carbon dioxide	3	Structural pest control	340	0	0
Napa	Glyphosate, potassium salt	4	Grape, wine	12,835	870	6,563
Napa	Glyphosate, potassium salt	4	Landscape maintenance	752	0	0
Napa	Glyphosate, potassium salt	4	Pastureland	736	2	250
Napa	Glyphosate, potassium salt	4	Rights of way	328	0	0
Napa	Glyphosate, potassium salt	4	Uncultivated ag	134	4	72
Napa	Hydrogen peroxide	5	Grape, wine	10,061	841	7,937
Napa	Hydrogen peroxide	5	Water area	923	1	18
Napa	Hydrogen peroxide	5	Grape	22	3	15
Nevada	Glyphosate, isopropylamine salt	1	Rights of way	2,963	2	5
Nevada	Glyphosate, isopropylamine salt	1	Landscape maintenance	1,806	0	0
Nevada	Glyphosate, isopropylamine salt	1	Grape, wine	301	2	150
Nevada	Glyphosate, isopropylamine salt	1	Structural pest control	13	0	0
Nevada	Glyphosate, isopropylamine salt	1	Pastureland	7	3	1,500
Nevada	Copper ethanolamine complexes, mixed	2	Rights of way	3,382	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Nevada	Copper ethanolamine complexes, mixed	2	Landscape maintenance	339	0	0
Nevada	Copper ethanolamine complexes, mixed	2	Water area	85	4	37
Nevada	Fatty acids, methyl esters	3	Forest, timberland	3,417	66	861
Nevada	Copper ethylenediamine complex	4	Rights of way	1,592	0	0
Nevada	Copper ethylenediamine complex	4	Landscape maintenance	457	0	0
Nevada	Copper ethylenediamine complex	4	Water area	134	0	14
Nevada	Sulfur	5	Grape, wine	2,172	67	415
Nevada	Sulfur	5	Swiss chard	2	0	25
Nevada	Sulfur	5	Cannabis (all or unspecified)	2	5	< 1
Orange	Disodium octaborate tetrahydrate	1	Structural pest control	637,092	0	0
Orange	Disodium octaborate tetrahydrate	1	Rights of way	892	0	0
Orange	Disodium octaborate tetrahydrate	1	Landscape maintenance	40	0	0
Orange	Disodium octaborate tetrahydrate	1	Regulatory pest control	17	0	0
Orange	Sulfuryl fluoride	2	Structural pest control	291,277	0	0
Orange	Sulfuryl fluoride	2	Fumigation, other	513	0	0
Orange	Mineral oil	3	Public health	44,262	0	0
Orange	Mineral oil	3	Avocado	6,980	12	329
Orange	Mineral oil	3	N-outdr plants in containers	4,606	59	13
Orange	Mineral oil	3	Landscape maintenance	3,724	0	0
Orange	Mineral oil	3	Lemon	1,140	10	241
Orange	Glyphosate, isopropylamine salt	4	Landscape maintenance	28,272	4	5
Orange	Glyphosate, isopropylamine salt	4	Rights of way	14,643	15	50
Orange	Glyphosate, isopropylamine salt	4	N-outdr plants in containers	1,916	386	681
Orange	Glyphosate, isopropylamine salt	4	Avocado	736	54	150
Orange	Glyphosate, isopropylamine salt	4	Uncultivated ag	695	55	76

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Orange	Chloropicrin	5	Strawberry	27,460	9	166
Placer	Propanil	1	Rice	30,302	128	7,695
Placer	Permethrin	2	Structural pest control	23,737	0	0
Placer	Permethrin	2	Landscape maintenance	62	0	0
Placer	Permethrin	2	Regulatory pest control	60	0	0
Placer	Glyphosate, isopropylamine salt	3	Rights of way	9,342	1	1
Placer	Glyphosate, isopropylamine salt	3	Forest, timberland	7,495	10	1,346
Placer	Glyphosate, isopropylamine salt	3	Landscape maintenance	4,236	1	2
Placer	Glyphosate, isopropylamine salt	3	Uncultivated ag	250	29	117
Placer	Glyphosate, isopropylamine salt	3	Grape, wine	120	11	37
Placer	Glyphosate, potassium salt	4	Walnut	11,015	75	4,612
Placer	Glyphosate, potassium salt	4	Landscape maintenance	3,868	0	0
Placer	Glyphosate, potassium salt	4	Almond	2,183	14	1,205
Placer	Glyphosate, potassium salt	4	Rights of way	1,561	0	0
Placer	Glyphosate, potassium salt	4	Uncultivated ag	244	25	122
Placer	Sulfur	5	Almond	15,667	11	2,252
Placer	Sulfur	5	Grape, wine	1,961	77	528
Placer	Sulfur	5	Peach	211	5	22
Placer	Sulfur	5	Nectarine	182	5	19
Placer	Sulfur	5	Plum	19	1	2
Plumas	Glyphosate, isopropylamine salt	1	Forest, timberland	52,576	168	16,086
Plumas	Glyphosate, isopropylamine salt	1	Rights of way	3,106	0	0
Plumas	Glyphosate, isopropylamine salt	1	Forage hay/silage	180	1	120
Plumas	Glyphosate, isopropylamine salt	1	Alfalfa	180	1	120
Plumas	Glyphosate, isopropylamine salt	1	Landscape maintenance	43	0	0
Plumas	Hexazinone	2	Forest, timberland	22,659	83	14,279
Plumas	Glyphosate, diammonium salt	3	Forest, timberland	21,055	127	8,768

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Plumas	Imazapyr, isopropylamine salt	4	Forest, timberland	4,774	133	12,824
Plumas	Imazapyr, isopropylamine salt	4	Rights of way	11	0	0
Plumas	Sodium bromide	5	Water (industrial)	4,424	0	0
Riverside	Sulfur	1	Alfalfa	143,279	294	17,668
Riverside	Sulfur	1	Grape	127,163	759	25,804
Riverside	Sulfur	1	Date	100,146	75	3,347
Riverside	Sulfur	1	Carrot	63,846	418	11,744
Riverside	Sulfur	1	Pepper, fruiting	31,108	137	3,084
Riverside	Mineral oil	2	Lemon	194,951	386	17,248
Riverside	Mineral oil	2	Grapefruit	73,399	131	5,781
Riverside	Mineral oil	2	Cannabis (all or unspecified)	21,004	380	63
Riverside	Mineral oil	2	Rights of way	18,709	1	2
Riverside	Mineral oil	2	Orange	12,144	49	966
Riverside	Kaolin	3	Lemon	282,589	78	4,452
Riverside	Kaolin	3	Tangerine	24,558	10	414
Riverside	Kaolin	3	Grapefruit	13,894	6	275
Riverside	Kaolin	3	Mango	13,442	8	283
Riverside	Kaolin	3	Tangelo	9,262	6	175
Riverside	Metam-sodium	4	Pepper, fruiting	201,894	39	1,055
Riverside	Metam-sodium	4	Grape	11,430	2	36
Riverside	Metam-sodium	4	Watermelon	9,483	2	56
Riverside	Metam-sodium	4	Squash	7,937	1	25
Riverside	Metam-sodium	4	Eggplant	6,435	2	38
Riverside	Glyphosate, potassium salt	5	Alfalfa	82,239	1,232	45,451
Riverside	Glyphosate, potassium salt	5	Rights of way	27,455	9	78
Riverside	Glyphosate, potassium salt	5	Cotton	25,040	388	14,526

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Riverside	Glyphosate, potassium salt	5	Landscape maintenance	17,041	0	0
Riverside	Glyphosate, potassium salt	5	Uncultivated non-ag	12,030	43	3,704
Sacramento	Sulfur	1	Grape, wine	2,807,908	3,836	229,836
Sacramento	Sulfur	1	Tomato, processing	49,292	21	2,511
Sacramento	Sulfur	1	Pear	12,725	61	1,326
Sacramento	Sulfur	1	Tomato	6,771	6	230
Sacramento	Sulfur	1	Cherry	1,867	18	374
Sacramento	Mineral oil	2	Pear	503,342	1,082	43,431
Sacramento	Mineral oil	2	Cannabis (all or unspecified)	104,723	820	101
Sacramento	Mineral oil	2	Grape, wine	26,298	314	12,181
Sacramento	Mineral oil	2	Rice	22,064	102	8,613
Sacramento	Mineral oil	2	Apple	4,707	6	603
Sacramento	Glyphosate, isopropylamine salt	3	Rights of way	22,477	11	172
Sacramento	Glyphosate, isopropylamine salt	3	Grape, wine	20,517	430	10,339
Sacramento	Glyphosate, isopropylamine salt	3	Landscape maintenance	13,613	5	160
Sacramento	Glyphosate, isopropylamine salt	3	Almond	6,035	56	2,850
Sacramento	Glyphosate, isopropylamine salt	3	Uncultivated ag	5,666	140	4,863
Sacramento	Glyphosate, potassium salt	4	Grape, wine	11,028	211	4,954
Sacramento	Glyphosate, potassium salt	4	Landscape maintenance	10,357	0	0
Sacramento	Glyphosate, potassium salt	4	Corn, grain	8,456	183	6,012
Sacramento	Glyphosate, potassium salt	4	Rights of way	6,808	0	0
Sacramento	Glyphosate, potassium salt	4	Alfalfa	5,718	98	3,170
Sacramento	1,3-dichloropropene	5	Uncultivated ag	38,819	3	118
Sacramento	1,3-dichloropropene	5	Peach	13,648	3	41
San benito	Potassium n-methyldithiocarbamate	1	Pepper, fruiting	105,606	59	457
San benito	Potassium n-methyldithiocarbamate	1	Spinach	2,587	2	11

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San benito	Diatomaceous earth	2	Lettuce, leaf	53,075	799	3,909
San benito	Diatomaceous earth	2	Broccoli	20,095	199	1,285
San benito	Diatomaceous earth	2	Cauliflower	8,798	99	535
San benito	Diatomaceous earth	2	Spinach	6,762	92	601
San benito	Diatomaceous earth	2	Arugula	2,899	42	266
San benito	Sulfur	3	Grape, wine	42,655	514	8,139
San benito	Sulfur	3	Pepper, fruiting	2,988	79	548
San benito	Sulfur	3	Tomato	2,573	55	372
San benito	Sulfur	3	Tomato, processing	2,374	16	593
San benito	Sulfur	3	Squash	1,794	9	116
San benito	Mineral oil	4	Grape, wine	37,483	592	9,511
San benito	Mineral oil	4	Apple	2,890	17	164
San benito	Mineral oil	4	Apricot	827	9	63
San benito	Mineral oil	4	Walnut	534	15	429
San benito	Mineral oil	4	Citrus	184	9	21
San benito	Potassium phosphite	5	Lettuce, leaf	9,936	448	3,391
San benito	Potassium phosphite	5	Spinach	4,854	198	1,811
San benito	Potassium phosphite	5	Grape, wine	1,662	34	438
San benito	Potassium phosphite	5	Mustard greens	1,268	139	397
San benito	Potassium phosphite	5	Arugula	1,014	95	416
San bernardino	Disodium octaborate tetrahydrate	1	Structural pest control	241,423	0	0
San bernardino	Disodium octaborate tetrahydrate	1	Rights of way	158	0	0
San bernardino	Disodium octaborate tetrahydrate	1	Regulatory pest control	2	0	0
San bernardino	Disodium octaborate tetrahydrate	1	Landscape maintenance	< 1	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San bernardino	Glyphosate, isopropylamine salt	2	Rights of way	41,596	25	761
San bernardino	Glyphosate, isopropylamine salt	2	Landscape maintenance	31,198	31	528
San bernardino	Glyphosate, isopropylamine salt	2	Alfalfa	3,641	25	1,808
San bernardino	Glyphosate, isopropylamine salt	2	N-outdr plants in containers	2,640	191	686
San bernardino	Glyphosate, isopropylamine salt	2	Corn (forage - fodder)	1,470	33	1,056
San bernardino	Sulfuryl fluoride	3	Structural pest control	48,024	0	0
San bernardino	Sulfuryl fluoride	3	Fumigation, other	4,911	0	0
San bernardino	Sulfuryl fluoride	3	Vertebrate control	1,497	0	0
San bernardino	Copper sulfate (pentahydrate)	4	Water area	45,249	3	3,457
San bernardino	Copper sulfate (pentahydrate)	4	Landscape maintenance	17	0	0
San bernardino	Carbon dioxide	5	Landscape maintenance	23,027	0	0
San bernardino	Carbon dioxide	5	Vertebrate control	9,990	0	0
San bernardino	Carbon dioxide	5	Structural pest control	4,413	0	0
San diego	Sulfuryl fluoride	1	Structural pest control	324,469	0	0
San diego	Mineral oil	2	Avocado	54,176	166	3,762
San diego	Mineral oil	2	Lemon	41,230	289	2,695
San diego	Mineral oil	2	Orange	40,178	149	3,369
San diego	Mineral oil	2	Grapefruit	19,331	57	1,128

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San diego	Mineral oil	2	N-outdr plants in containers	13,528	386	1,412
San diego	Sodium chlorate	3	Water (industrial)	115,228	0	0
San diego	Metam-sodium	4	Tomato	75,310	30	697
San diego	Metam-sodium	4	Strawberry	2,471	2	12
San diego	Metam-sodium	4	N-outdr flower	476	3	3
San diego	Metam-sodium	4	N-grnhs flower	13	12	11
San diego	Glyphosate, isopropylamine salt	5	Rights of way	23,218	0	0
San diego	Glyphosate, isopropylamine salt	5	Landscape maintenance	23,213	4	< 1
San diego	Glyphosate, isopropylamine salt	5	N-outdr plants in containers	14,855	2,193	4,809
San diego	Glyphosate, isopropylamine salt	5	Avocado	2,127	449	4,873
San diego	Glyphosate, isopropylamine salt	5	Lemon	1,884	330	1,518
San francisco	Chlorothalonil	1	Golf course turf	4,448	0	613
San francisco	Chlorothalonil	1	Landscape maintenance	< 1	0	0
San francisco	Glutaraldehyde	2	Water (industrial)	3,132	0	0
San francisco	1-bromo-3-chloro-5,5-dimethyl hydantoin	3	Water (industrial)	2,709	0	0
San francisco	Sodium hypochlorite	4	Water (industrial)	2,239	0	0
San francisco	Sodium hypochlorite	4	Water systems - human potable/drinking	216	0	21
San francisco	Sodium hypochlorite	4	Jujube	3	0	8
San francisco	Disodium octaborate tetrahydrate	5	Structural pest control	1,776	0	0
San francisco	Disodium octaborate tetrahydrate	5	Landscape maintenance	1	0	0
San francisco	Disodium octaborate tetrahydrate	5	Regulatory pest control	< 1	0	0
San joaquin	Sulfur	1	Grape, wine	5,604,771	10,223	436,019
San joaquin	Sulfur	1	Tomato, processing	271,267	208	12,407
San joaquin	Sulfur	1	Cherry	45,740	504	9,773
San joaquin	Sulfur	1	Watermelon	32,703	46	2,203

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San joaquin	Sulfur	1	Grape	32,646	64	3,153
San joaquin	Mineral oil	2	Almond	429,564	1,355	67,124
San joaquin	Mineral oil	2	Cherry	103,531	823	13,803
San joaquin	Mineral oil	2	Public health	28,010	0	0
San joaquin	Mineral oil	2	Walnut	23,238	682	22,796
San joaquin	Mineral oil	2	Grape, wine	19,489	699	19,192
San joaquin	Glyphosate, isopropylamine salt	3	Almond	132,630	1,975	70,247
San joaquin	Glyphosate, isopropylamine salt	3	Grape, wine	37,495	1,193	19,437
San joaquin	Glyphosate, isopropylamine salt	3	Walnut	34,271	911	18,485
San joaquin	Glyphosate, isopropylamine salt	3	Rights of way	32,956	162	7,269
San joaquin	Glyphosate, isopropylamine salt	3	Uncultivated ag	25,947	312	13,717
San joaquin	Glyphosate, potassium salt	4	Almond	86,338	1,065	41,907
San joaquin	Glyphosate, potassium salt	4	Walnut	35,013	587	17,481
San joaquin	Glyphosate, potassium salt	4	Alfalfa	25,284	361	14,583
San joaquin	Glyphosate, potassium salt	4	Grape, wine	24,514	519	13,817
San joaquin	Glyphosate, potassium salt	4	Corn (forage - fodder)	21,400	264	14,475
San joaquin	1,3-dichloropropene	5	Almond	87,580	26	267
San joaquin	1,3-dichloropropene	5	Cherry	63,551	15	193
San joaquin	1,3-dichloropropene	5	Grape, wine	21,385	6	65
San joaquin	1,3-dichloropropene	5	Tomato, processing	20,350	2	160
San joaquin	1,3-dichloropropene	5	Soil fumigation/preplant	17,968	6	56
San luis obispo	Chloropicrin	1	Strawberry	592,790	120	2,909
San luis obispo	Chloropicrin	1	Raspberry	15,206	1	51
San luis obispo	Chloropicrin	1	Squash	9,590	11	102

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San luis obispo	Sulfur	2	Grape, wine	395,763	3,089	110,706
San luis obispo	Sulfur	2	Carrot	86,160	140	11,815
San luis obispo	Sulfur	2	Strawberry	46,393	200	6,985
San luis obispo	Sulfur	2	Grape	20,331	70	3,306
San luis obispo	Sulfur	2	Broccoli	1,125	39	424
San luis obispo	Mineral oil	3	Grape, wine	222,750	1,238	43,084
San luis obispo	Mineral oil	3	Avocado	90,341	178	4,785
San luis obispo	Mineral oil	3	Lemon	78,096	122	3,925
San luis obispo	Mineral oil	3	Blackberry	7,507	80	1,212
San luis obispo	Mineral oil	3	Grape	7,117	12	507
San luis obispo	Metam-sodium	4	Strawberry	225,556	18	951
San luis obispo	Metam-sodium	4	Rights of way	724	0	0
San luis obispo	1,3-dichloropropene	5	Strawberry	141,858	55	1,264
San luis obispo	1,3-dichloropropene	5	Carrot	39,735	9	335
San luis obispo	1,3-dichloropropene	5	Chinese cabbage (napa, wong bok, celery cabbage)	29,135	31	300
San luis obispo	1,3-dichloropropene	5	Onion, dry	473	1	4

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San mateo	Sulfuryl fluoride	1	Structural pest control	42,872	0	0
San mateo	Potassium n-methyldithiocarbamate	2	Brussels sprout	37,466	29	408
San mateo	Potassium phosphite	3	Landscape maintenance	17,898	0	0
San mateo	Potassium phosphite	3	Brussels sprout	894	44	558
San mateo	Potassium phosphite	3	Rights of way	247	0	0
San mateo	Sodium percarbonate	4	Ditch bank	11,262	0	130
San mateo	Mineral oil	5	Public health	7,691	0	0
San mateo	Mineral oil	5	Grape, wine	1,805	54	246
San mateo	Mineral oil	5	Landscape maintenance	1,158	4	2
San mateo	Mineral oil	5	N-grnhs plants in containers	31	16	9
San mateo	Mineral oil	5	Rights of way	7	0	0
Santa barbara	Chloropicrin	1	Strawberry	1,765,251	272	8,600
Santa barbara	Chloropicrin	1	N-outdr flower	31,778	13	136
Santa barbara	Chloropicrin	1	Squash	13,450	11	143
Santa barbara	Chloropicrin	1	Raspberry	11,259	5	41
Santa barbara	Chloropicrin	1	Squash, summer	4,324	3	46
Santa barbara	Sulfur	2	Grape, wine	529,497	2,442	97,122
Santa barbara	Sulfur	2	Strawberry	214,986	1,473	46,686
Santa barbara	Sulfur	2	Carrot	35,118	86	7,021
Santa barbara	Sulfur	2	Peas	32,793	132	1,271
Santa barbara	Sulfur	2	Broccoli	5,470	200	1,748
Santa barbara	Potassium n-methyldithiocarbamate	3	Strawberry	695,378	85	2,590
Santa barbara	Potassium n-methyldithiocarbamate	3	Squash	54,589	16	203
Santa barbara	Potassium n-methyldithiocarbamate	3	Squash, summer	11,245	2	42
Santa barbara	Potassium n-methyldithiocarbamate	3	Blackberry	1,774	1	20
Santa barbara	Potassium n-methyldithiocarbamate	3	Raspberry	32	1	< 1

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa barbara	1,3-dichloropropene	4	Strawberry	325,210	82	2,873
Santa barbara	1,3-dichloropropene	4	Carrot	21,256	3	180
Santa barbara	1,3-dichloropropene	4	N-outdr flower	20,794	13	136
Santa barbara	1,3-dichloropropene	4	Grape, wine	12,809	1	39
Santa barbara	1,3-dichloropropene	4	Raspberry	1,333	1	10
Santa barbara	Mineral oil	5	Avocado	94,590	292	4,702
Santa barbara	Mineral oil	5	Lemon	81,668	204	2,446
Santa barbara	Mineral oil	5	Grape, wine	72,553	672	28,169
Santa barbara	Mineral oil	5	Blackberry	23,848	206	2,502
Santa barbara	Mineral oil	5	Strawberry	10,159	668	23,485
Santa clara	Potassium n-methyldithiocarbamate	1	Pepper, fruiting	139,225	45	630
Santa clara	Potassium n-methyldithiocarbamate	1	Tomato	60,374	8	319
Santa clara	Sulfuryl fluoride	2	Structural pest control	146,294	0	0
Santa clara	Chloropicrin	3	Pepper, fruiting	62,977	30	458
Santa clara	Chloropicrin	3	Structural pest control	60	0	0
Santa clara	1,3-dichloropropene	4	Pepper, fruiting	29,401	30	458
Santa clara	Glyphosate, isopropylamine salt	5	Landscape maintenance	7,114	1	10
Santa clara	Glyphosate, isopropylamine salt	5	Rights of way	6,978	0	0
Santa clara	Glyphosate, isopropylamine salt	5	Uncultivated ag	2,358	74	1,005
Santa clara	Glyphosate, isopropylamine salt	5	Cherry	1,774	28	1,118
Santa clara	Glyphosate, isopropylamine salt	5	Pepper, fruiting	1,591	48	1,167
Santa cruz	Chloropicrin	1	Strawberry	604,087	259	2,016
Santa cruz	Chloropicrin	1	Raspberry	165,466	85	548
Santa cruz	Chloropicrin	1	Blackberry	5,128	3	16
Santa cruz	Chloropicrin	1	Structural pest control	7	0	0
Santa cruz	1,3-dichloropropene	2	Strawberry	168,893	210	1,933
Santa cruz	1,3-dichloropropene	2	Raspberry	39,830	59	513

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa cruz	1,3-dichloropropene	2	Brussels sprout	25,204	22	320
Santa cruz	1,3-dichloropropene	2	Blackberry	1,253	3	16
Santa cruz	Mineral oil	3	Apple	41,388	56	1,209
Santa cruz	Mineral oil	3	Blackberry	23,336	268	3,039
Santa cruz	Mineral oil	3	Grape, wine	10,052	231	1,415
Santa cruz	Mineral oil	3	Landscape maintenance	400	0	0
Santa cruz	Mineral oil	3	Cannabis (all or unspecified)	317	91	62
Santa cruz	Soybean oil	4	Blackberry	71,328	369	4,711
Santa cruz	Soybean oil	4	Raspberry	2,607	17	179
Santa cruz	Soybean oil	4	Lettuce, head	367	58	458
Santa cruz	Soybean oil	4	Lettuce, leaf	205	32	252
Santa cruz	Soybean oil	4	Apple	86	3	5
Santa cruz	Sulfuryl fluoride	5	Structural pest control	40,165	0	0
Shasta	Glyphosate, isopropylamine salt	1	Forest, timberland	19,295	383	11,004
Shasta	Glyphosate, isopropylamine salt	1	Rights of way	8,084	2	0
Shasta	Glyphosate, isopropylamine salt	1	Landscape maintenance	4,543	3	1
Shasta	Glyphosate, isopropylamine salt	1	Alfalfa	1,945	25	1,496
Shasta	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	1,899	0	1,105
Shasta	Glyphosate, diammonium salt	2	Forest, timberland	24,798	262	8,859
Shasta	Glyphosate, diammonium salt	2	Rights of way	1,938	0	0
Shasta	Methyl bromide	3	Soil fumigation/preplant	26,004	10	115
Shasta	Chloropicrin	4	Soil fumigation/preplant	19,320	8	114
Shasta	Copper sulfate (pentahydrate)	5	Rice, wild	18,439	24	1,370
Shasta	Copper sulfate (pentahydrate)	5	Landscape maintenance	4	0	0
Shasta	Copper sulfate (pentahydrate)	5	Walnut	2	1	16
Sierra	Glyphosate, diammonium salt	1	Forest, timberland	3,400	103	957

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sierra	Fatty acids, methyl esters	2	Forest, timberland	2,050	68	923
Sierra	Glyphosate, isopropylamine salt	3	Rights of way	888	0	0
Sierra	Glyphosate, isopropylamine salt	3	Forest, timberland	486	6	462
Sierra	Glyphosate, isopropylamine salt	3	Grain	273	2	200
Sierra	Glyphosate, isopropylamine salt	3	Alfalfa	73	2	52
Sierra	Glyphosate, isopropylamine salt	3	Uncultivated non-ag	2	0	3
Sierra	Sodium tetraborate decahydrate	4	Forest, timberland	408	8	1,213
Sierra	Sodium tetraborate decahydrate	4	Rights of way	24	0	0
Sierra	Triclopyr choline	5	Forest, timberland	368	11	132
Sierra	Triclopyr choline	5	Uncultivated non-ag	< 1	0	< 1
Siskiyou	Methyl bromide	1	Soil fumigation/preplant	722,339	168	3,153
Siskiyou	Chloropicrin	2	Soil fumigation/preplant	414,673	167	3,140
Siskiyou	Mineral oil	3	Landscape maintenance	51,987	0	0
Siskiyou	Mineral oil	3	Rangeland	1,872	12	4,179
Siskiyou	Mineral oil	3	Strawberry	431	156	4,718
Siskiyou	Mineral oil	3	Uncultivated non-ag	318	4	714
Siskiyou	Hydrogen peroxide	4	Strawberry	50,799	286	13,850
Siskiyou	Hydrogen peroxide	4	Soil fumigation/preplant	618	3	132
Siskiyou	Hydrogen peroxide	4	N-grnhs plants in containers	14	14	2
Siskiyou	Glyphosate, isopropylamine salt	5	Forest, timberland	34,674	264	13,361
Siskiyou	Glyphosate, isopropylamine salt	5	Alfalfa	2,653	49	2,489
Siskiyou	Glyphosate, isopropylamine salt	5	Rights of way	1,117	0	0
Siskiyou	Glyphosate, isopropylamine salt	5	Landscape maintenance	282	34	9
Siskiyou	Glyphosate, isopropylamine salt	5	Forage hay/silage	131	4	131
Solano	Sulfur	1	Grape, wine	226,562	1,002	24,232
Solano	Sulfur	1	Tomato, processing	187,675	132	9,072

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Solano	Sulfur	1	Almond	32,553	40	1,752
Solano	Sulfur	1	Prune	6,840	12	475
Solano	Sulfur	1	Tomato	3,646	3	186
Solano	Glyphosate, potassium salt	2	Almond	39,783	295	17,392
Solano	Glyphosate, potassium salt	2	Alfalfa	30,285	362	17,274
Solano	Glyphosate, potassium salt	2	Uncultivated ag	25,272	315	14,935
Solano	Glyphosate, potassium salt	2	Tomato, processing	7,373	19	2,801
Solano	Glyphosate, potassium salt	2	Grape, wine	4,164	75	2,374
Solano	Glyphosate, isopropylamine salt	3	Almond	17,663	190	8,509
Solano	Glyphosate, isopropylamine salt	3	Uncultivated ag	13,642	133	7,359
Solano	Glyphosate, isopropylamine salt	3	Rights of way	10,039	11	66
Solano	Glyphosate, isopropylamine salt	3	Landscape maintenance	8,464	0	0
Solano	Glyphosate, isopropylamine salt	3	Walnut	5,022	87	2,999
Solano	Mineral oil	4	Pear	10,032	19	887
Solano	Mineral oil	4	Grape, wine	8,769	105	3,130
Solano	Mineral oil	4	Prune	6,709	6	617
Solano	Mineral oil	4	Almond	6,356	81	8,072
Solano	Mineral oil	4	Walnut	2,277	18	783
Solano	Glufosinate-ammonium	5	Almond	23,879	369	24,560
Solano	Glufosinate-ammonium	5	Grape, wine	4,053	182	4,067
Solano	Glufosinate-ammonium	5	Walnut	2,378	80	2,006
Solano	Glufosinate-ammonium	5	Landscape maintenance	1,493	0	0
Solano	Glufosinate-ammonium	5	Pistachio	1,001	19	968
Sonoma	Sulfur	1	Grape, wine	1,568,619	13,775	235,671
Sonoma	Sulfur	1	Apple	6,857	110	799
Sonoma	Sulfur	1	Uncultivated ag	172	1	17
Sonoma	Sulfur	1	Grape	122	1	8

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sonoma	Sulfur	1	Peach	80	2	10
Sonoma	Mineral oil	2	Grape, wine	326,146	4,084	64,749
Sonoma	Mineral oil	2	Apple	17,621	96	724
Sonoma	Mineral oil	2	Landscape maintenance	3,798	0	0
Sonoma	Mineral oil	2	Public health	928	0	0
Sonoma	Mineral oil	2	Golf course turf	157	0	19
Sonoma	Sulfuryl fluoride	3	Structural pest control	32,130	0	0
Sonoma	Glyphosate, potassium salt	4	Grape, wine	19,097	996	12,758
Sonoma	Glyphosate, potassium salt	4	Rights of way	1,725	0	0
Sonoma	Glyphosate, potassium salt	4	Uncultivated ag	1,035	4	886
Sonoma	Glyphosate, potassium salt	4	Landscape maintenance	554	0	0
Sonoma	Glyphosate, potassium salt	4	Rangeland	52	10	907
Sonoma	Glufosinate-ammonium	5	Grape, wine	21,331	2,236	20,252
Sonoma	Glufosinate-ammonium	5	Landscape maintenance	210	0	0
Sonoma	Glufosinate-ammonium	5	Rights of way	131	0	0
Sonoma	Glufosinate-ammonium	5	N-outdr flower	4	2	8
Sonoma	Glufosinate-ammonium	5	Apple	2	1	4
Stanislaus	Mineral oil	1	Almond	1,041,045	2,781	163,956
Stanislaus	Mineral oil	1	Peach	38,843	170	2,043
Stanislaus	Mineral oil	1	Walnut	21,109	194	7,128
Stanislaus	Mineral oil	1	Apricot	13,077	35	1,047
Stanislaus	Mineral oil	1	Olive	8,497	17	1,812
Stanislaus	Sulfur	2	Grape, wine	324,513	505	32,507
Stanislaus	Sulfur	2	Tomato, processing	133,036	73	5,448
Stanislaus	Sulfur	2	Almond	98,976	357	18,995
Stanislaus	Sulfur	2	N-outdr transplants	57,474	30	511
Stanislaus	Sulfur	2	Peach	15,741	193	2,437

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Stanislaus	1,3-dichloropropene	3	Almond	396,642	62	1,206
Stanislaus	1,3-dichloropropene	3	Sweet potato	139,483	37	1,099
Stanislaus	1,3-dichloropropene	3	Tomato, processing	32,883	4	257
Stanislaus	1,3-dichloropropene	3	Walnut	12,888	6	39
Stanislaus	1,3-dichloropropene	3	Peach	12,453	5	38
Stanislaus	Glyphosate, isopropylamine salt	4	Almond	255,137	3,237	138,803
Stanislaus	Glyphosate, isopropylamine salt	4	Rights of way	40,590	62	705
Stanislaus	Glyphosate, isopropylamine salt	4	Walnut	24,651	509	11,949
Stanislaus	Glyphosate, isopropylamine salt	4	Corn (forage - fodder)	21,662	407	14,789
Stanislaus	Glyphosate, isopropylamine salt	4	Landscape maintenance	8,003	0	0
Stanislaus	Boric acid	5	Animal premise	284,144	11	18
Stanislaus	Boric acid	5	Structural pest control	1,910	0	0
Stanislaus	Boric acid	5	Landscape maintenance	163	0	0
Sutter	Propanil	1	Rice	504,303	1,291	120,783
Sutter	Mineral oil	2	Rice	126,206	607	60,030
Sutter	Mineral oil	2	Peach	124,952	424	6,890
Sutter	Mineral oil	2	Prune	81,443	191	7,405
Sutter	Mineral oil	2	Almond	15,524	115	7,034
Sutter	Mineral oil	2	Walnut	13,694	237	6,507
Sutter	Copper sulfate (pentahydrate)	3	Rice	137,947	131	11,517
Sutter	Copper sulfate (pentahydrate)	3	Uncultivated ag	1,022	1	86
Sutter	Copper sulfate (pentahydrate)	3	Walnut	112	8	212
Sutter	Copper sulfate (pentahydrate)	3	Rights of way	99	0	0
Sutter	Sodium percarbonate	4	Rice	118,173	70	6,154
Sutter	Sodium percarbonate	4	N-grnhs transplants	1,508	7	29
Sutter	Sulfur	5	Tomato, processing	56,938	23	1,960
Sutter	Sulfur	5	Prune	30,183	33	2,196

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sutter	Sulfur	5	Peach	13,085	69	822
Sutter	Sulfur	5	Cantaloupe	10,496	5	536
Sutter	Sulfur	5	Melon	3,816	2	195
Tehama	1,3-dichloropropene	1	Walnut	171,075	128	521
Tehama	1,3-dichloropropene	1	Soil fumigation/preplant	106,820	6	325
Tehama	1,3-dichloropropene	1	Almond	13,901	1	42
Tehama	1,3-dichloropropene	1	Prune	9,680	2	29
Tehama	Copper hydroxide	2	Walnut	103,505	925	24,184
Tehama	Copper hydroxide	2	Olive	30,714	130	8,589
Tehama	Copper hydroxide	2	Almond	1,173	23	1,695
Tehama	Copper hydroxide	2	Prune	458	8	142
Tehama	Copper hydroxide	2	Uncultivated ag	65	1	20
Tehama	Mancozeb	3	Walnut	44,075	944	24,588
Tehama	Mancozeb	3	Almond	30,007	143	6,358
Tehama	Mancozeb	3	Uncultivated ag	36	1	20
Tehama	Glyphosate, isopropylamine salt	4	Almond	25,026	298	11,322
Tehama	Glyphosate, isopropylamine salt	4	Walnut	18,431	663	9,241
Tehama	Glyphosate, isopropylamine salt	4	Olive	8,511	140	2,625
Tehama	Glyphosate, isopropylamine salt	4	Forest, timberland	4,265	85	2,882
Tehama	Glyphosate, isopropylamine salt	4	Prune	3,957	107	1,948
Tehama	Sulfuryl fluoride	5	Walnut	23,039	0	0
Tehama	Sulfuryl fluoride	5	Commodity fumigation	21,624	0	0
Tehama	Sulfuryl fluoride	5	Fumigation, other	4,600	0	0
Tehama	Sulfuryl fluoride	5	Rights of way	1,858	0	0
Tehama	Sulfuryl fluoride	5	Almond	814	0	0
Trinity	Glyphosate, isopropylamine salt	1	Forest, timberland	6,208	198	4,589
Trinity	Glyphosate, isopropylamine salt	1	Rights of way	1,141	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Trinity	Glyphosate, isopropylamine salt	1	None	103	3	66
Trinity	Glyphosate, isopropylamine salt	1	Landscape maintenance	21	0	0
Trinity	Glyphosate, diammonium salt	2	Forest, timberland	4,938	94	2,436
Trinity	Glyphosate, diammonium salt	2	Rights of way	595	0	0
Trinity	Imazapyr, isopropylamine salt	3	Forest, timberland	2,623	202	4,608
Trinity	Imazapyr, isopropylamine salt	3	Rights of way	63	0	0
Trinity	Clopyralid, monoethanolamine salt	4	Forest, timberland	2,086	69	2,608
Trinity	Oxyfluorfen	5	Forest, timberland	940	11	664
Trinity	Oxyfluorfen	5	Rights of way	4	0	0
Tulare	Mineral oil	1	Orange	2,661,901	10,692	200,363
Tulare	Mineral oil	1	Almond	1,212,031	1,924	111,743
Tulare	Mineral oil	1	Tangerine	894,054	3,581	80,455
Tulare	Mineral oil	1	Lemon	356,970	1,850	29,217
Tulare	Mineral oil	1	Peach	333,545	2,353	28,407
Tulare	Calcium hydroxide	2	Orange	1,582,956	3,601	66,124
Tulare	Calcium hydroxide	2	Tangerine	338,923	980	22,049
Tulare	Calcium hydroxide	2	Lemon	263,756	695	10,757
Tulare	Calcium hydroxide	2	Tangelo	35,073	114	1,461
Tulare	Calcium hydroxide	2	Grapefruit	30,601	110	1,296
Tulare	Sulfur	3	Grape	1,520,038	6,026	265,214
Tulare	Sulfur	3	Pistachio	145,581	306	25,451
Tulare	Sulfur	3	Grape, wine	97,769	348	15,433
Tulare	Sulfur	3	Tomato, processing	61,297	41	2,296
Tulare	Sulfur	3	Almond	22,889	47	2,729
Tulare	Kaolin	4	Tangerine	443,411	525	10,758
Tulare	Kaolin	4	Orange	245,156	265	4,675
Tulare	Kaolin	4	Cherry	28,430	15	752

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tulare	Kaolin	4	Grapefruit	22,685	35	529
Tulare	Kaolin	4	Walnut	22,420	6	570
Tulare	Glyphosate, isopropylamine salt	5	Corn (forage - fodder)	93,812	1,222	68,334
Tulare	Glyphosate, isopropylamine salt	5	Almond	87,578	1,173	49,479
Tulare	Glyphosate, isopropylamine salt	5	Rights of way	73,786	31	93
Tulare	Glyphosate, isopropylamine salt	5	Pistachio	59,255	954	35,485
Tulare	Glyphosate, isopropylamine salt	5	Orange	27,112	1,301	22,618
Tuolumne	Glyphosate, isopropylamine salt	1	Forest, timberland	8,930	79	2,968
Tuolumne	Glyphosate, isopropylamine salt	1	Rights of way	2,918	18	593
Tuolumne	Glyphosate, isopropylamine salt	1	Landscape maintenance	2,681	0	0
Tuolumne	Glyphosate, isopropylamine salt	1	Grape, wine	23	3	9
Tuolumne	Glyphosate, isopropylamine salt	1	Regulatory pest control	10	0	0
Tuolumne	Glyphosate, diammonium salt	2	Forest, timberland	12,483	166	3,211
Tuolumne	Glyphosate, diammonium salt	2	Rights of way	81	0	0
Tuolumne	Glyphosate, dimethylamine salt	3	Forest, timberland	2,783	32	992
Tuolumne	Glyphosate, dimethylamine salt	3	Rights of way	5	0	0
Tuolumne	Sodium tetraborate decahydrate	4	Rights of way	2,062	0	0
Tuolumne	Sodium tetraborate decahydrate	4	Forest, timberland	671	36	675
Tuolumne	Sodium tetraborate decahydrate	4	Grape, wine	4	1	2
Tuolumne	Sodium tetraborate decahydrate	4	Structural pest control	< 1	0	0
Tuolumne	Glyphosate, potassium salt	5	Rights of way	982	0	0
Tuolumne	Glyphosate, potassium salt	5	Landscape maintenance	451	0	0
Tuolumne	Glyphosate, potassium salt	5	Grape, wine	11	1	9
Ventura	Chloropicrin	1	Strawberry	2,042,279	242	10,667
Ventura	Chloropicrin	1	Pepper, fruiting	23,750	3	126
Ventura	Chloropicrin	1	Tomato	6,761	1	20
Ventura	Chloropicrin	1	N-outdr flower	1,310	3	7

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Ventura	Chloropicrin	1	Structural pest control	3	0	0
Ventura	Mineral oil	2	Lemon	865,375	1,209	26,745
Ventura	Mineral oil	2	Avocado	268,914	835	16,933
Ventura	Mineral oil	2	Blackberry	83,565	703	9,352
Ventura	Mineral oil	2	Raspberry	21,456	690	7,639
Ventura	Mineral oil	2	Orange	19,451	106	1,252
Ventura	Potassium n-methyldithiocarbamate	3	Strawberry	742,642	91	2,794
Ventura	Potassium n-methyldithiocarbamate	3	Pepper, fruiting	126,000	13	480
Ventura	Potassium n-methyldithiocarbamate	3	Cilantro	17,935	6	67
Ventura	Potassium n-methyldithiocarbamate	3	Tomato	858	1	15
Ventura	1,3-dichloropropene	4	Strawberry	356,770	48	2,298
Ventura	1,3-dichloropropene	4	Tomato	4,424	1	20
Ventura	1,3-dichloropropene	4	N-outdr flower	859	3	7
Ventura	Captan	5	Strawberry	149,567	1,862	90,060
Ventura	Captan	5	Raspberry	1,577	81	761
Ventura	Captan	5	Blackberry	1,183	55	583
Ventura	Captan	5	N-outdr flower	1	2	2
Yolo	Sulfur	1	Grape, wine	1,452,015	2,720	122,963
Yolo	Sulfur	1	Tomato, processing	111,737	98	6,351
Yolo	Sulfur	1	Tomato	29,077	24	1,488
Yolo	Sulfur	1	Almond	14,538	20	1,170
Yolo	Sulfur	1	Prune	7,178	17	498
Yolo	Potassium n-methyldithiocarbamate	2	Uncultivated ag	159,689	21	1,116
Yolo	Glyphosate, potassium salt	3	Uncultivated ag	44,500	332	19,832
Yolo	Glyphosate, potassium salt	3	Almond	36,356	310	15,255
Yolo	Glyphosate, potassium salt	3	Alfalfa	16,923	149	9,210
Yolo	Glyphosate, potassium salt	3	Pistachio	6,971	42	3,092

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Yolo	Glyphosate, potassium salt	3	Tomato, processing	6,849	54	3,274
Yolo	Glyphosate, isopropylamine salt	4	Uncultivated ag	52,322	446	30,649
Yolo	Glyphosate, isopropylamine salt	4	Almond	17,232	181	9,616
Yolo	Glyphosate, isopropylamine salt	4	Rights of way	14,633	20	357
Yolo	Glyphosate, isopropylamine salt	4	Grape, wine	12,107	324	6,690
Yolo	Glyphosate, isopropylamine salt	4	Pistachio	10,884	118	4,604
Yolo	Propanil	5	Rice	114,936	263	28,966
Yolo	Propanil	5	Regulatory pest control	8,056	0	0
Yuba	Propanil	1	Rice	187,202	718	45,401
Yuba	Mineral oil	2	Walnut	48,726	71	3,820
Yuba	Mineral oil	2	Prune	40,441	71	2,902
Yuba	Mineral oil	2	Peach	31,957	165	1,875
Yuba	Mineral oil	2	Rice	16,583	155	12,433
Yuba	Mineral oil	2	Kiwi fruit fuzzy	3,428	117	1,001
Yuba	Kaolin	3	Walnut	52,951	102	2,027
Yuba	Kaolin	3	Tomato, processing	4,963	2	131
Yuba	Kaolin	3	Prune	475	5	10
Yuba	Sodium percarbonate	4	Rice	48,291	39	2,412
Yuba	Copper hydroxide	5	Walnut	33,682	254	10,025
Yuba	Copper hydroxide	5	Peach	6,168	68	887
Yuba	Copper hydroxide	5	Olive	534	1	80
Yuba	Copper hydroxide	5	Prune	456	7	313
Yuba	Copper hydroxide	5	Citrus	24	4	23