

The Top Five Commodities by Pounds Applied in each County in 2023 and the Top Five Chemicals used

[Text files](#) of data are available. The ranking of commodities (sites) and chemicals is determined by total 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	65,619	0	0
Alameda	Structural pest control	1	Disodium octaborate tetrahydrate	7,884	0	0
Alameda	Structural pest control	1	Carbon dioxide	5,168	0	0
Alameda	Structural pest control	1	Dinotefuran	4,238	0	0
Alameda	Structural pest control	1	Boric acid	3,725	0	0
Alameda	Water (industrial)	2	Sodium chlorate	55,592	0	0
Alameda	Water (industrial)	2	Sodium hypochlorite	2,454	0	0
Alameda	Water (industrial)	2	Sodium bromide	2,333	0	0
Alameda	Water (industrial)	2	Glutaraldehyde	1,509	0	0
Alameda	Water (industrial)	2	2,2-dibromo-3-nitrilopropionamide	595	0	0
Alameda	Landscape maintenance	3	Permethrin	17,584	0	0
Alameda	Landscape maintenance	3	Glyphosate, isopropylamine salt	7,778	0	0
Alameda	Landscape maintenance	3	Glyphosate, potassium salt	3,944	0	0
Alameda	Landscape maintenance	3	Potassium phosphite	3,050	0	0
Alameda	Landscape maintenance	3	Chlorothalonil	2,876	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Grape, wine	4	Sulfur	25,371	521	6,747
Alameda	Grape, wine	4	Hydrogen peroxide	5,317	257	2,096
Alameda	Grape, wine	4	Mineral oil	2,633	216	636
Alameda	Grape, wine	4	Pendimethalin	2,168	236	670
Alameda	Grape, wine	4	Glyphosate, isopropylamine salt	1,868	280	885
Alameda	Rights of way	5	Glyphosate, isopropylamine salt	12,934	3	11
Alameda	Rights of way	5	Dichlobenil	5,147	0	0
Alameda	Rights of way	5	Metam-sodium	4,186	0	0
Alameda	Rights of way	5	Glyphosate, potassium salt	1,997	0	0
Alameda	Rights of way	5	Triclopyr, butoxyethyl ester	1,451	0	0
Alpine	Structural pest control	1	Mineral oil	138	0	0
Alpine	Structural pest control	1	Imidacloprid	16	0	0
Alpine	Structural pest control	1	Beta-cyfluthrin	8	0	0
Alpine	Structural pest control	1	Piperonyl butoxide	7	0	0
Alpine	Structural pest control	1	Esfenvalerate	6	0	0
Alpine	Rights of way	2	Glyphosate, isopropylamine salt	100	0	0
Alpine	Rights of way	2	Diquat dibromide	6	0	0
Alpine	Rights of way	2	Disodium octaborate anhydrous	< 1	0	0
Alpine	Rights of way	2	Metam-sodium	< 1	0	0
Alpine	Landscape maintenance	3	Glyphosate, isopropylamine salt	< 1	0	0
Alpine	Landscape maintenance	3	Emamectin benzoate	< 1	0	0
Alpine	Landscape maintenance	3	Boric acid	< 1	0	0
Alpine	Landscape maintenance	3	Triclopyr, butoxyethyl ester	< 1	0	0
Alpine	Landscape maintenance	3	Aminopyralid, triisopropanolamine salt	< 1	0	0
Alpine	Uncultivated non-ag	4	Glyphosate, isopropylamine salt	< 1	0	10
Amador	Grape, wine	1	Sulfur	61,533	769	9,157
Amador	Grape, wine	1	Mineral oil	9,258	305	3,444

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Amador	Grape, wine	1	Kaolin	2,969	13	125
Amador	Grape, wine	1	Glyphosate, isopropylamine salt	2,054	208	1,083
Amador	Grape, wine	1	Copper hydroxide	895	90	1,009
Amador	Forest, timberland	2	Glyphosate, dimethylamine salt	5,109	68	1,423
Amador	Forest, timberland	2	Glyphosate, isopropylamine salt	334	4	184
Amador	Forest, timberland	2	Oxyfluorfen	94	2	22
Amador	Forest, timberland	2	Imazapyr, isopropylamine salt	31	9	178
Amador	Forest, timberland	2	Clopyralid, monoethanolamine salt	26	4	94
Amador	Rights of way	3	Glyphosate, isopropylamine salt	870	0	0
Amador	Rights of way	3	Sodium tetraborate decahydrate	186	0	0
Amador	Rights of way	3	Triclopyr, triethylamine salt	178	0	0
Amador	Rights of way	3	Triclopyr, butoxyethyl ester	114	5	5
Amador	Rights of way	3	Disodium octaborate anhydrous	97	0	0
Amador	Landscape maintenance	4	Glyphosate, isopropylamine salt	766	1	2
Amador	Landscape maintenance	4	Triclopyr, triethylamine salt	224	0	0
Amador	Landscape maintenance	4	Oxyfluorfen	170	1	2
Amador	Landscape maintenance	4	Glufosinate-ammonium	96	0	0
Amador	Landscape maintenance	4	Chlorothalonil	60	0	0
Amador	Alfalfa	5	Glyphosate, potassium salt	832	10	449
Amador	Alfalfa	5	Pendimethalin	428	2	113
Amador	Alfalfa	5	Ammonium sulfate	289	8	387
Amador	Alfalfa	5	Clethodim	56	7	328
Amador	Alfalfa	5	Dimethoate	16	5	200
Butte	Rice	1	Propanil	581,359	1,655	139,054
Butte	Rice	1	Copper sulfate (pentahydrate)	441,076	419	33,075
Butte	Rice	1	Mineral oil	203,648	1,451	121,583
Butte	Rice	1	Thiobencarb	95,285	319	27,841

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Butte	Rice	1	Sodium percarbonate	36,332	26	2,600
Butte	Walnut	2	Copper hydroxide	102,864	715	29,748
Butte	Walnut	2	Kaolin	68,904	111	2,125
Butte	Walnut	2	Mancozeb	58,793	811	32,965
Butte	Walnut	2	1,3-dichloropropene	53,813	23	163
Butte	Walnut	2	Glyphosate, potassium salt	51,804	834	27,150
Butte	Almond	3	1,3-dichloropropene	46,007	2	141
Butte	Almond	3	Ziram	35,687	125	5,890
Butte	Almond	3	Glyphosate, potassium salt	30,596	462	16,660
Butte	Almond	3	Glyphosate, isopropylamine salt	16,606	321	9,993
Butte	Almond	3	Chloropicrin	13,662	2	69
Butte	Uncultivated ag	4	1,3-dichloropropene	63,687	5	193
Butte	Uncultivated ag	4	Chloropicrin	4,316	1	22
Butte	Uncultivated ag	4	Glyphosate, isopropylamine salt	2,794	18	1,267
Butte	Uncultivated ag	4	Glyphosate, potassium salt	577	28	373
Butte	Uncultivated ag	4	Fatty acids, methyl esters	551	5	917
Butte	Prune	5	Mineral oil	25,717	59	2,166
Butte	Prune	5	Chlorothalonil	11,595	74	3,883
Butte	Prune	5	Glyphosate, potassium salt	6,922	104	3,277
Butte	Prune	5	Pendimethalin	3,774	27	1,205
Butte	Prune	5	Glyphosate, isopropylamine salt	2,772	54	1,393
Calaveras	Grape, wine	1	Sulfur	10,087	225	2,347
Calaveras	Grape, wine	1	Kaolin	411	3	17
Calaveras	Grape, wine	1	Glyphosate, isopropylamine salt	389	49	174
Calaveras	Grape, wine	1	Glyphosate, potassium salt	266	14	96
Calaveras	Grape, wine	1	Glufosinate-ammonium	196	33	174
Calaveras	Forest, timberland	2	Glyphosate, dimethylamine salt	9,064	128	2,267

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Calaveras	Forest, timberland	2	Ammonium sulfate	598	31	443
Calaveras	Forest, timberland	2	Imazapyr, isopropylamine salt	261	25	482
Calaveras	Forest, timberland	2	Oxyfluorfen	220	6	194
Calaveras	Forest, timberland	2	Phosphoric acid	185	31	443
Calaveras	Landscape maintenance	3	Glyphosate, isopropylamine salt	1,129	0	0
Calaveras	Landscape maintenance	3	Mineral oil	1,079	0	0
Calaveras	Landscape maintenance	3	Chlorothalonil	612	0	0
Calaveras	Landscape maintenance	3	Glufosinate-ammonium	509	0	0
Calaveras	Landscape maintenance	3	2,4-d, 2-ethylhexyl ester	343	0	0
Calaveras	Rights of way	4	Sodium tetraborate decahydrate	861	0	0
Calaveras	Rights of way	4	Glyphosate, isopropylamine salt	701	3	18
Calaveras	Rights of way	4	Metam-sodium	289	0	0
Calaveras	Rights of way	4	Triclopyr, triethylamine salt	271	0	0
Calaveras	Rights of way	4	Glyphosate, potassium salt	250	3	2
Calaveras	Structural pest control	5	Carbon dioxide	1,507	0	0
Calaveras	Structural pest control	5	Bifenthrin	276	0	0
Calaveras	Structural pest control	5	Sulfuryl fluoride	180	0	0
Calaveras	Structural pest control	5	Permethrin	102	0	0
Calaveras	Structural pest control	5	Imidacloprid	86	0	0
Colusa	Rice	1	Propanil	582,465	1,587	119,975
Colusa	Rice	1	Copper sulfate (pentahydrate)	114,565	107	8,889
Colusa	Rice	1	Thiobencarb	111,522	455	34,831
Colusa	Rice	1	Fatty acids, methyl esters	82,613	703	57,683
Colusa	Rice	1	Mineral oil	56,830	421	32,493
Colusa	Almond	2	Glyphosate, potassium salt	100,036	862	41,632
Colusa	Almond	2	Chlorothalonil	64,393	417	28,439
Colusa	Almond	2	Mineral oil	24,927	109	7,281

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Colusa	Almond	2	Ammonium sulfate	20,065	697	50,745
Colusa	Almond	2	Methoxyfenozide	19,769	849	54,789
Colusa	Tomato, processing	3	Kaolin	132,430	80	4,615
Colusa	Tomato, processing	3	Sulfur	72,880	111	7,909
Colusa	Tomato, processing	3	Chlorothalonil	28,404	182	14,073
Colusa	Tomato, processing	3	S-metolachlor	16,749	222	10,381
Colusa	Tomato, processing	3	Diazinon	14,766	127	4,750
Colusa	Walnut	4	Mineral oil	37,743	146	10,732
Colusa	Walnut	4	Copper hydroxide	21,366	117	7,327
Colusa	Walnut	4	Glyphosate, potassium salt	21,166	166	7,509
Colusa	Walnut	4	Mancozeb	13,925	120	7,718
Colusa	Walnut	4	Glyphosate, isopropylamine salt	11,681	95	5,764
Colusa	Uncultivated ag	5	Glyphosate, potassium salt	47,592	238	17,069
Colusa	Uncultivated ag	5	Fatty acids, methyl esters	13,558	213	15,711
Colusa	Uncultivated ag	5	Glyphosate, isopropylamine salt	10,708	77	7,014
Colusa	Uncultivated ag	5	Oxyfluorfen	3,325	289	21,542
Colusa	Uncultivated ag	5	Ammonium sulfate	2,899	303	23,140
Contra costa	Tomato, processing	1	Sulfur	125,011	147	5,763
Contra costa	Tomato, processing	1	Chlorothalonil	6,026	95	4,071
Contra costa	Tomato, processing	1	S-metolachlor	4,696	117	4,050
Contra costa	Tomato, processing	1	Potassium n-methyldithiocarbamate	4,446	1	37
Contra costa	Tomato, processing	1	Glyphosate, potassium salt	3,794	57	2,131
Contra costa	Grape, wine	2	Sulfur	73,589	369	5,200
Contra costa	Grape, wine	2	Potassium bicarbonate	2,343	70	1,079
Contra costa	Grape, wine	2	Lime-sulfur	1,763	6	83
Contra costa	Grape, wine	2	Glyphosate, potassium salt	1,649	103	899
Contra costa	Grape, wine	2	Kaolin	1,071	4	45

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Contra costa	Water area	3	Copper ethylenediamine complex	24,360	0	805
Contra costa	Water area	3	Endothall, dipotassium salt	14,617	0	864
Contra costa	Water area	3	Diquat dibromide	7,560	0	660
Contra costa	Water area	3	Glyphosate, isopropylamine salt	6,686	0	647
Contra costa	Water area	3	Endothall, mono(n,n-dimethylalkylamine) salt	3,096	0	16
Contra costa	Structural pest control	4	Sulfuryl fluoride	13,859	0	0
Contra costa	Structural pest control	4	Boric acid	6,134	0	0
Contra costa	Structural pest control	4	Disodium octaborate tetrahydrate	4,261	0	0
Contra costa	Structural pest control	4	Dinotefuran	2,953	0	0
Contra costa	Structural pest control	4	Bifenthrin	1,890	0	0
Contra costa	Landscape maintenance	5	Glyphosate, isopropylamine salt	9,217	2	2
Contra costa	Landscape maintenance	5	Potassium phosphite	2,735	0	0
Contra costa	Landscape maintenance	5	Chlorothalonil	2,255	0	0
Contra costa	Landscape maintenance	5	Glyphosate, potassium salt	1,676	0	0
Contra costa	Landscape maintenance	5	Mineral oil	1,499	0	0
Del norte	N-outdr flower	1	Metam-sodium	57,899	40	181
Del norte	N-outdr flower	1	Copper hydroxide	6,959	446	3,918
Del norte	N-outdr flower	1	Chlorothalonil	1,625	244	1,910
Del norte	N-outdr flower	1	Phorate	712	67	184
Del norte	N-outdr flower	1	Ethoprop	694	68	185
Del norte	Soil fumigation/preplant	2	1,3-dichloropropene	53,083	24	203
Del norte	Soil fumigation/preplant	2	Metam-sodium	12,824	10	40
Del norte	Forest, timberland	3	Triclopyr, butoxyethyl ester	1,109	41	593
Del norte	Forest, timberland	3	Imazapyr, isopropylamine salt	944	98	1,765
Del norte	Forest, timberland	3	Clopyralid, monoethanolamine salt	51	22	332
Del norte	Forest, timberland	3	Sulfometuron-methyl	17	20	299

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Del norte	Forest, timberland	3	Hexazinone	15	1	11
Del norte	Rights of way	4	Glyphosate, potassium salt	110	0	0
Del norte	Rights of way	4	Disodium octaborate anhydrous	75	0	0
Del norte	Rights of way	4	Soybean oil	36	0	0
Del norte	Rights of way	4	Glyphosate, isopropylamine salt	15	0	0
Del norte	Rights of way	4	Glyphosate, dimethylamine salt	11	0	0
Del norte	Structural pest control	5	Disodium octaborate tetrahydrate	122	0	0
Del norte	Structural pest control	5	Bifenthrin	107	0	0
Del norte	Structural pest control	5	Boric acid	17	0	0
Del norte	Structural pest control	5	Fipronil	7	0	0
Del norte	Structural pest control	5	Dinotefuran	6	0	0
El dorado	Forest, timberland	1	Glyphosate, dimethylamine salt	45,762	575	13,728
El dorado	Forest, timberland	1	Glyphosate, isopropylamine salt	9,619	77	3,531
El dorado	Forest, timberland	1	Hexazinone	8,249	143	6,697
El dorado	Forest, timberland	1	Imazapyr, isopropylamine salt	4,427	358	9,042
El dorado	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,695	390	9,171
El dorado	Grape, wine	2	Sulfur	24,523	639	6,776
El dorado	Grape, wine	2	Mineral oil	20,277	445	4,411
El dorado	Grape, wine	2	Kaolin	2,850	6	120
El dorado	Grape, wine	2	Glyphosate, isopropylamine salt	1,193	145	1,019
El dorado	Grape, wine	2	Pendimethalin	769	74	497
El dorado	Rights of way	3	Glyphosate, isopropylamine salt	6,003	5	12
El dorado	Rights of way	3	Sodium tetraborate decahydrate	4,804	0	0
El dorado	Rights of way	3	Oxyfluorfen	1,553	1	8
El dorado	Rights of way	3	Glyphosate, potassium salt	1,274	0	0
El dorado	Rights of way	3	Triclopyr, triethylamine salt	712	0	0
El dorado	Apple	4	Mineral oil	12,596	127	811

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
El dorado	Apple	4	Mancozeb	1,654	49	368
El dorado	Apple	4	Glyphosate, isopropylamine salt	321	25	160
El dorado	Apple	4	Lime-sulfur	295	5	17
El dorado	Apple	4	Captan	260	8	81
El dorado	Structural pest control	5	Permethrin	8,194	0	0
El dorado	Structural pest control	5	Sulfuryl fluoride	2,302	0	0
El dorado	Structural pest control	5	Boric acid	943	0	0
El dorado	Structural pest control	5	Piperonyl butoxide	348	0	0
El dorado	Structural pest control	5	Esfenvalerate	253	0	0
Fresno	Tomato, processing	1	Sulfur	2,432,465	893	110,882
Fresno	Tomato, processing	1	Potassium n-methyldithiocarbamate	1,873,842	217	9,277
Fresno	Tomato, processing	1	Kaolin	133,958	42	5,475
Fresno	Tomato, processing	1	Chlorothalonil	121,789	569	61,492
Fresno	Tomato, processing	1	Glyphosate, isopropylamine salt	56,796	175	22,090
Fresno	Almond	2	Mineral oil	2,115,188	4,914	268,037
Fresno	Almond	2	Glyphosate, potassium salt	243,532	3,085	113,296
Fresno	Almond	2	Glyphosate, isopropylamine salt	223,312	2,706	119,705
Fresno	Almond	2	Pendimethalin	146,335	1,386	48,625
Fresno	Almond	2	Glufosinate-ammonium	118,840	3,029	116,455
Fresno	Grape	3	Sulfur	2,806,315	12,226	396,095
Fresno	Grape	3	1,3-dichloropropene	67,023	15	204
Fresno	Grape	3	Lime-sulfur	47,682	196	4,986
Fresno	Grape	3	Mineral oil	42,518	679	17,990
Fresno	Grape	3	Diatomaceous earth	34,389	34	1,526
Fresno	Grape, wine	4	Sulfur	1,403,019	2,421	201,587
Fresno	Grape, wine	4	1,3-dichloropropene	55,385	4	169
Fresno	Grape, wine	4	Mineral oil	53,436	322	15,840

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Fresno	Grape, wine	4	Glufosinate-ammonium	27,272	697	28,094
Fresno	Grape, wine	4	Potassium bicarbonate	23,934	121	7,314
Fresno	Pistachio	5	Mineral oil	645,237	1,385	122,868
Fresno	Pistachio	5	Sulfur	198,339	423	59,030
Fresno	Pistachio	5	Glyphosate, potassium salt	175,722	1,485	85,411
Fresno	Pistachio	5	Glyphosate, isopropylamine salt	131,139	1,234	63,881
Fresno	Pistachio	5	Glufosinate-ammonium	78,940	1,589	76,436
Glenn	Rice	1	Propanil	427,236	1,459	90,402
Glenn	Rice	1	Copper sulfate (pentahydrate)	154,137	192	11,884
Glenn	Rice	1	Thiobencarb	83,037	371	23,628
Glenn	Rice	1	Mineral oil	34,420	409	24,792
Glenn	Rice	1	Ammonium sulfate	15,789	720	45,514
Glenn	Almond	2	Glyphosate, isopropylamine salt	59,320	694	26,954
Glenn	Almond	2	Glyphosate, potassium salt	53,607	404	22,390
Glenn	Almond	2	Ziram	45,692	106	7,600
Glenn	Almond	2	Sulfur	31,466	102	5,374
Glenn	Almond	2	Potassium phosphite	27,166	261	13,358
Glenn	Walnut	3	Kaolin	67,062	69	2,200
Glenn	Walnut	3	Copper hydroxide	55,750	442	13,566
Glenn	Walnut	3	Glyphosate, isopropylamine salt	31,870	622	17,658
Glenn	Walnut	3	Mancozeb	27,508	493	14,969
Glenn	Walnut	3	Ethephon	16,557	392	20,668
Glenn	Olive	4	Copper hydroxide	55,976	240	14,724
Glenn	Olive	4	Potassium phosphite	5,936	38	2,021
Glenn	Olive	4	Glyphosate, isopropylamine salt	3,773	108	2,190
Glenn	Olive	4	Glyphosate, potassium salt	2,659	50	873
Glenn	Olive	4	Glufosinate-ammonium	2,515	88	2,406

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Glenn	Rights of way	5	Endothall, dipotassium salt	21,709	0	0
Glenn	Rights of way	5	Glyphosate, isopropylamine salt	21,491	0	0
Glenn	Rights of way	5	Diuron	4,782	0	0
Glenn	Rights of way	5	Glyphosate, potassium salt	3,756	0	0
Glenn	Rights of way	5	Mineral oil	2,757	0	0
Humboldt	Forest, timberland	1	Imazapyr, isopropylamine salt	3,547	339	7,062
Humboldt	Forest, timberland	1	Triclopyr, butoxyethyl ester	3,098	123	2,447
Humboldt	Forest, timberland	1	Glyphosate, dimethylamine salt	1,657	66	1,551
Humboldt	Forest, timberland	1	Triclopyr choline	319	30	336
Humboldt	Forest, timberland	1	Clopyralid, monoethanolamine salt	231	72	1,416
Humboldt	Cannabis (all or unspecified)	2	Potassium laurate	5,370	72	16
Humboldt	Cannabis (all or unspecified)	2	Copper octanoate	320	9	5
Humboldt	Cannabis (all or unspecified)	2	Sulfur	254	58	7
Humboldt	Cannabis (all or unspecified)	2	Bacillus amyloliquefaciens strain: f727	203	20	5
Humboldt	Cannabis (all or unspecified)	2	Azadirachtin	161	158	14
Humboldt	Structural pest control	3	Disodium octaborate tetrahydrate	1,371	0	0
Humboldt	Structural pest control	3	Sulfuryl fluoride	875	0	0
Humboldt	Structural pest control	3	Bifenthrin	532	0	0
Humboldt	Structural pest control	3	Fipronil	154	0	0
Humboldt	Structural pest control	3	Boric acid	133	0	0
Humboldt	Rights of way	4	Sodium tetraborate decahydrate	1,032	0	0
Humboldt	Rights of way	4	Metam-sodium	572	0	0
Humboldt	Rights of way	4	Disodium octaborate anhydrous	120	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Humboldt	Rights of way	4	Dazomet	73	0	0
Humboldt	Rights of way	4	Glyphosate, isopropylamine salt	54	0	0
Humboldt	N-grnhs flower	5	Chlorothalonil	532	99	216
Humboldt	N-grnhs flower	5	Captan	363	155	385
Humboldt	N-grnhs flower	5	Iprodione	181	137	362
Humboldt	N-grnhs flower	5	Fenhexamid	137	147	374
Humboldt	N-grnhs flower	5	Propiconazole	53	0	36
Imperial	Alfalfa	1	Pendimethalin	325,906	2,393	158,929
Imperial	Alfalfa	1	Mineral oil	124,895	2,145	129,280
Imperial	Alfalfa	1	Sulfur	103,123	50	4,547
Imperial	Alfalfa	1	Trifluralin	63,889	420	29,844
Imperial	Alfalfa	1	2,4-db, dimethylamine salt	53,702	852	52,738
Imperial	Bermudagrass	2	Sulfur	479,441	213	17,526
Imperial	Bermudagrass	2	Trifluralin	42,328	266	21,188
Imperial	Bermudagrass	2	2,4-d, dimethylamine salt	26,928	267	17,783
Imperial	Bermudagrass	2	Mineral oil	19,281	279	19,555
Imperial	Bermudagrass	2	Hexythiazox	13,356	157	11,920
Imperial	Sugarbeet	3	Sulfur	276,201	198	13,715
Imperial	Sugarbeet	3	Glyphosate, potassium salt	44,335	440	32,418
Imperial	Sugarbeet	3	Mineral oil	36,952	423	29,063
Imperial	Sugarbeet	3	Glyphosate, isopropylamine salt	21,976	259	16,827
Imperial	Sugarbeet	3	Carbaryl	6,000	71	4,432
Imperial	Carrot	4	1,3-dichloropropene	272,044	46	2,863
Imperial	Carrot	4	Sulfur	84,646	148	5,246
Imperial	Carrot	4	Linuron	7,581	173	9,412
Imperial	Carrot	4	Mineral oil	6,621	169	9,223
Imperial	Carrot	4	Caprylic acid	5,372	13	426

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Imperial	Rights of way	5	Glyphosate, isopropylamine salt	175,316	0	0
Imperial	Rights of way	5	Mineral oil	43,125	0	0
Imperial	Rights of way	5	Ammonium sulfate	36,270	0	0
Imperial	Rights of way	5	Glyphosate, potassium salt	29,354	0	0
Imperial	Rights of way	5	Triclopyr, triethylamine salt	14,661	0	0
Inyo	Rights of way	1	Glyphosate, isopropylamine salt	1,030	0	0
Inyo	Rights of way	1	Triclopyr, butoxyethyl ester	522	0	0
Inyo	Rights of way	1	2,4-d, dimethylamine salt	87	0	0
Inyo	Rights of way	1	Prodiamine	62	0	0
Inyo	Rights of way	1	Triclopyr, triethylamine salt	50	0	0
Inyo	Alfalfa	2	Glyphosate, isopropylamine salt	530	4	265
Inyo	Alfalfa	2	Pendimethalin	407	3	215
Inyo	Alfalfa	2	Hexazinone	155	11	412
Inyo	Alfalfa	2	Diuron	146	10	292
Inyo	Alfalfa	2	2,4-d, dimethylamine salt	78	2	70
Inyo	Structural pest control	3	Bifenthrin	440	0	0
Inyo	Structural pest control	3	Deltamethrin	64	0	0
Inyo	Structural pest control	3	Cypermethrin	26	0	0
Inyo	Structural pest control	3	Fipronil	17	0	0
Inyo	Structural pest control	3	Permethrin	10	0	0
Inyo	Forage hay/silage	4	Fatty acids, methyl esters	193	3	111
Inyo	Forage hay/silage	4	2,4-d, dimethylamine salt	137	1	120
Inyo	Forage hay/silage	4	Clethodim	15	3	111
Inyo	Forage hay/silage	4	Imazethapyr, ammonium salt	9	3	111
Inyo	N-grnhs flower	5	Mancozeb	135	0	10
Inyo	N-grnhs flower	5	Ethephon	60	0	10
Inyo	N-grnhs flower	5	Chlorothalonil	59	0	7

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Inyo	N-grnhs flower	5	Trinexapac-ethyl	19	0	271
Inyo	N-grnhs flower	5	2,4-d, 2-ethylhexyl ester	11	0	23
Kern	Almond	1	Mineral oil	2,293,483	3,546	302,524
Kern	Almond	1	Glyphosate, potassium salt	452,646	3,975	211,839
Kern	Almond	1	Sulfur	344,215	601	42,628
Kern	Almond	1	1,3-dichloropropene	343,296	37	1,091
Kern	Almond	1	Chloropicrin	182,004	48	958
Kern	Grape	2	Sulfur	2,655,903	10,216	476,285
Kern	Grape	2	Lime-sulfur	331,441	613	25,272
Kern	Grape	2	Calcium hydroxide	127,617	229	19,526
Kern	Grape	2	1,3-dichloropropene	127,108	13	582
Kern	Grape	2	Copper oxychloride	108,595	1,171	49,640
Kern	Orange	3	Mineral oil	1,392,829	2,567	102,157
Kern	Orange	3	Calcium hydroxide	600,624	669	25,648
Kern	Orange	3	Copper sulfate (basic)	66,516	403	15,335
Kern	Orange	3	1,3-dichloropropene	59,390	3	183
Kern	Orange	3	Kaolin	45,165	65	1,081
Kern	Pistachio	4	Sulfur	744,644	760	92,591
Kern	Pistachio	4	Mineral oil	353,328	817	57,040
Kern	Pistachio	4	Glyphosate, potassium salt	260,973	2,558	128,970
Kern	Pistachio	4	Ammonium sulfate	109,807	2,265	108,193
Kern	Pistachio	4	Buprofezin	87,039	428	50,437
Kern	Carrot	5	Metam-sodium	825,202	60	4,270
Kern	Carrot	5	Potassium n-methyldithiocarbamate	528,975	40	2,472
Kern	Carrot	5	Sulfur	191,399	503	31,795
Kern	Carrot	5	1,3-dichloropropene	98,048	12	826
Kern	Carrot	5	Linuron	13,198	274	17,021

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kings	Tomato, processing	1	Sulfur	791,687	277	35,681
Kings	Tomato, processing	1	Kaolin	102,342	31	3,878
Kings	Tomato, processing	1	Chlorothalonil	45,384	188	21,929
Kings	Tomato, processing	1	Diatomaceous earth	14,841	11	1,164
Kings	Tomato, processing	1	S-metolachlor	8,503	55	6,094
Kings	Soil fumigation/preplant	2	Potassium n-methyldithiocarbamate	562,697	59	5,230
Kings	Soil fumigation/preplant	2	Paraquat dichloride	152,891	621	132,070
Kings	Soil fumigation/preplant	2	Pendimethalin	98,328	274	71,747
Kings	Soil fumigation/preplant	2	Glyphosate, potassium salt	34,210	136	19,149
Kings	Soil fumigation/preplant	2	Glyphosate, isopropylamine salt	23,936	169	18,594
Kings	Pistachio	3	Mineral oil	128,956	422	23,612
Kings	Pistachio	3	Sulfur	128,543	250	19,299
Kings	Pistachio	3	Glyphosate, potassium salt	82,515	608	34,725
Kings	Pistachio	3	Diatomaceous earth	43,390	19	1,702
Kings	Pistachio	3	Glufosinate-ammonium	38,456	969	35,788
Kings	Almond	4	Mineral oil	331,822	805	37,540
Kings	Almond	4	Glyphosate, potassium salt	54,246	508	24,479
Kings	Almond	4	Glufosinate-ammonium	25,807	558	22,697
Kings	Almond	4	Glyphosate, isopropylamine salt	25,649	405	14,974
Kings	Almond	4	Potassium phosphite	23,338	147	9,968
Kings	Cotton	5	Glyphosate, potassium salt	73,757	325	51,752
Kings	Cotton	5	Urea dihydrogen sulfate	51,899	204	27,810
Kings	Cotton	5	Oxamyl	50,146	228	49,965
Kings	Cotton	5	Malathion	47,047	84	22,800
Kings	Cotton	5	Naled	44,032	156	40,420
Lake	Grape, wine	1	Sulfur	285,878	994	36,291
Lake	Grape, wine	1	Mineral oil	47,625	353	10,063

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lake	Grape, wine	1	Glyphosate, isopropylamine salt	5,079	166	3,022
Lake	Grape, wine	1	Glufosinate-ammonium	4,241	206	4,549
Lake	Grape, wine	1	Lime-sulfur	4,017	11	156
Lake	Pear	2	Mineral oil	108,353	261	5,428
Lake	Pear	2	Sulfur	10,492	36	830
Lake	Pear	2	Ziram	7,375	67	1,712
Lake	Pear	2	Mancozeb	6,046	58	1,381
Lake	Pear	2	Lime-sulfur	4,546	23	298
Lake	Rights of way	3	Sodium tetraborate decahydrate	5,078	0	0
Lake	Rights of way	3	Metam-sodium	845	0	0
Lake	Rights of way	3	Glyphosate, isopropylamine salt	646	7	102
Lake	Rights of way	3	Glyphosate, potassium salt	438	0	0
Lake	Rights of way	3	Copper carbonate, basic	177	0	0
Lake	Landscape maintenance	4	Glyphosate, isopropylamine salt	3,263	3	9
Lake	Landscape maintenance	4	Diuron	1,702	0	0
Lake	Landscape maintenance	4	Mineral oil	541	0	0
Lake	Landscape maintenance	4	Flumioxazin	479	0	0
Lake	Landscape maintenance	4	Oxyfluorfen	240	0	0
Lake	Water area	5	Endothall, dipotassium salt	5,723	0	210
Lake	Water area	5	Hydrogen peroxide	266	0	0
Lake	Water area	5	Peroxyacetic acid	181	0	0
Lake	Water area	5	Diquat dibromide	119	0	23
Lake	Water area	5	Copper ethanolamine complexes, mixed	10	0	5
Lassen	Strawberry	1	Methyl bromide	53,147	6	245
Lassen	Strawberry	1	Chloropicrin	39,813	6	245
Lassen	Strawberry	1	Sulfur	14,080	84	3,849
Lassen	Strawberry	1	Thiram	961	14	430

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lassen	Strawberry	1	Captan	758	10	417
Lassen	Soil fumigation/preplant	2	Methyl bromide	21,988	6	106
Lassen	Soil fumigation/preplant	2	Chloropicrin	16,472	6	106
Lassen	Forest, timberland	3	Glyphosate, dimethylamine salt	9,328	79	2,793
Lassen	Forest, timberland	3	2,4-d, 2-ethylhexyl ester	6,625	13	2,414
Lassen	Forest, timberland	3	Glyphosate, isopropylamine salt	2,712	13	984
Lassen	Forest, timberland	3	Triclopyr, butoxyethyl ester	2,252	20	1,455
Lassen	Forest, timberland	3	Oxyfluorfen	1,821	8	927
Lassen	Alfalfa	4	Metribuzin	6,037	117	10,691
Lassen	Alfalfa	4	Mineral oil	3,262	59	5,047
Lassen	Alfalfa	4	Glyphosate, isopropylamine salt	2,650	39	2,091
Lassen	Alfalfa	4	Imazethapyr, ammonium salt	1,102	109	11,067
Lassen	Alfalfa	4	Ammonium sulfate	759	99	8,978
Lassen	Rights of way	5	Glyphosate, isopropylamine salt	1,254	5	36
Lassen	Rights of way	5	2,4-d, 2-ethylhexyl ester	687	1	5
Lassen	Rights of way	5	Mineral oil	194	0	0
Lassen	Rights of way	5	Oxyfluorfen	192	0	0
Lassen	Rights of way	5	Flumioxazin	115	0	0
Los angeles	Structural pest control	1	Sulfuryl fluoride	759,456	0	0
Los angeles	Structural pest control	1	Boric acid	119,427	0	0
Los angeles	Structural pest control	1	Disodium octaborate tetrahydrate	44,945	0	0
Los angeles	Structural pest control	1	Dinotefuran	37,301	0	0
Los angeles	Structural pest control	1	Piperonyl butoxide	36,798	0	0
Los angeles	Carrot	2	Potassium n-methyldithiocarbamate	471,566	21	1,647
Los angeles	Carrot	2	Sulfur	18,188	137	8,607
Los angeles	Carrot	2	Pendimethalin	1,721	30	1,817
Los angeles	Carrot	2	Mefenoxam	1,188	64	5,451

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Los angeles	Carrot	2	Linuron	1,039	36	2,770
Los angeles	Rights of way	3	Dichlobenil	61,323	0	0
Los angeles	Rights of way	3	Glyphosate, isopropylamine salt	60,533	1	1
Los angeles	Rights of way	3	Metam-sodium	45,993	0	0
Los angeles	Rights of way	3	Disodium octaborate tetrahydrate	10,480	0	0
Los angeles	Rights of way	3	Triclopyr choline	10,083	0	0
Los angeles	Water (industrial)	4	Sodium hypochlorite	52,122	0	0
Los angeles	Water (industrial)	4	Sodium bromide	40,593	0	0
Los angeles	Water (industrial)	4	1-bromo-3-chloro-5,5-dimethyl hydantoin	21,078	0	0
Los angeles	Water (industrial)	4	Glutaraldehyde	15,625	0	0
Los angeles	Water (industrial)	4	Alkyl(42%c12, 26%c18, 15%c14, 8%c16, 5%c10, 4%c8)1,3-propylenediamine	14,185	0	0
Los angeles	Landscape maintenance	5	Pyriproxyfen	28,866	0	0
Los angeles	Landscape maintenance	5	Glyphosate, isopropylamine salt	26,618	9	19
Los angeles	Landscape maintenance	5	Glyphosate, potassium salt	16,652	101	68
Los angeles	Landscape maintenance	5	Chlorothalonil	15,724	0	0
Los angeles	Landscape maintenance	5	Thiophanate-methyl	5,964	0	0
Madera	Almond	1	Mineral oil	653,192	2,420	140,649
Madera	Almond	1	Glyphosate, potassium salt	164,098	2,319	81,912
Madera	Almond	1	Glyphosate, isopropylamine salt	142,503	1,881	90,458
Madera	Almond	1	Sulfuryl fluoride	100,312	0	1,514
Madera	Almond	1	Glufosinate-ammonium	92,518	2,496	108,213
Madera	Grape, wine	2	Sulfur	1,429,704	2,426	163,008
Madera	Grape, wine	2	Mineral oil	41,311	220	12,125
Madera	Grape, wine	2	Glyphosate, potassium salt	29,087	354	12,025
Madera	Grape, wine	2	1,3-dichloropropene	25,099	1	76
Madera	Grape, wine	2	Glufosinate-ammonium	22,749	566	22,929

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Madera	Grape	3	Sulfur	1,087,333	2,487	131,608
Madera	Grape	3	Glyphosate, isopropylamine salt	13,440	318	7,668
Madera	Grape	3	Glufosinate-ammonium	10,513	411	10,013
Madera	Grape	3	Glyphosate, potassium salt	8,939	173	4,999
Madera	Grape	3	Pendimethalin	6,356	143	2,615
Madera	Pistachio	4	Mineral oil	93,279	490	28,495
Madera	Pistachio	4	Glyphosate, potassium salt	70,665	764	34,221
Madera	Pistachio	4	Glyphosate, isopropylamine salt	62,595	820	49,312
Madera	Pistachio	4	Sulfur	59,608	100	12,003
Madera	Pistachio	4	Glufosinate-ammonium	46,645	1,023	58,087
Madera	Tomato, processing	5	Potassium n-methyldithiocarbamate	90,739	9	273
Madera	Tomato, processing	5	Sulfur	52,887	34	2,409
Madera	Tomato, processing	5	Chlorothalonil	8,856	58	4,287
Madera	Tomato, processing	5	S-metolachlor	3,642	43	2,454
Madera	Tomato, processing	5	Kaolin	2,280	1	96
Marin	Structural pest control	1	Sulfuryl fluoride	14,456	0	0
Marin	Structural pest control	1	Disodium octaborate tetrahydrate	8,165	0	0
Marin	Structural pest control	1	Chlorfenapyr	2,928	0	0
Marin	Structural pest control	1	Piperonyl butoxide	2,472	0	0
Marin	Structural pest control	1	Esfenvalerate	1,822	0	0
Marin	Landscape maintenance	2	Potassium phosphite	11,322	0	0
Marin	Landscape maintenance	2	Mineral oil	4,430	0	0
Marin	Landscape maintenance	2	Proflumicarb	1,589	0	0
Marin	Landscape maintenance	2	Imidacloprid	729	0	0
Marin	Landscape maintenance	2	Glyphosate, isopropylamine salt	597	0	0
Marin	Water area	3	Copper ethanolamine complexes, mixed	8,096	0	0
Marin	Water area	3	Diquat dibromide	1,287	0	170

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Marin	Water area	3	Copper ethylenediamine complex	641	0	0
Marin	Water area	3	Imazapyr, isopropylamine salt	2	0	< 1
Marin	Rights of way	4	Sodium tetraborate decahydrate	3,382	0	0
Marin	Rights of way	4	Metam-sodium	1,143	0	0
Marin	Rights of way	4	Glyphosate, dimethylamine salt	384	0	0
Marin	Rights of way	4	Disodium octaborate anhydrous	147	0	0
Marin	Rights of way	4	Isoxaben	123	0	0
Marin	Grape, wine	5	Sulfur	2,759	54	488
Marin	Grape, wine	5	Mineral oil	758	38	294
Marin	Grape, wine	5	Bacillus amyloliquefaciens strain: f727	686	11	85
Marin	Grape, wine	5	Caprylic acid	148	1	16
Marin	Grape, wine	5	Capric acid	101	1	16
Mariposa	Rights of way	1	Sodium tetraborate decahydrate	1,270	0	0
Mariposa	Rights of way	1	Glyphosate, isopropylamine salt	220	0	0
Mariposa	Rights of way	1	Metam-sodium	135	0	0
Mariposa	Rights of way	1	Triclopyr, triethylamine salt	133	0	0
Mariposa	Rights of way	1	Copper carbonate, basic	42	0	0
Mariposa	Landscape maintenance	2	Glyphosate, isopropylamine salt	1,107	0	0
Mariposa	Landscape maintenance	2	Triclopyr, triethylamine salt	187	0	0
Mariposa	Landscape maintenance	2	Glufosinate-ammonium	80	0	0
Mariposa	Landscape maintenance	2	Indaziflam	51	0	0
Mariposa	Landscape maintenance	2	Dithiopyr	28	0	0
Mariposa	Structural pest control	3	Sulfuryl fluoride	448	0	0
Mariposa	Structural pest control	3	Bifenthrin	45	0	0
Mariposa	Structural pest control	3	Piperonyl butoxide	44	0	0
Mariposa	Structural pest control	3	Glyphosate, isopropylamine salt	38	0	0
Mariposa	Structural pest control	3	Lambda-cyhalothrin	29	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mariposa	Water area	4	Copper ethanolamine complexes, mixed	327	0	129
Mariposa	Regulatory pest control	5	Glyphosate, isopropylamine salt	114	0	0
Mariposa	Regulatory pest control	5	Clopyralid, monoethanolamine salt	85	0	0
Mariposa	Regulatory pest control	5	Imazapyr, isopropylamine salt	14	0	0
Mariposa	Regulatory pest control	5	Triclopyr, butoxyethyl ester	4	0	0
Mariposa	Regulatory pest control	5	Aminopyralid, triisopropanolamine salt	< 1	0	0
Mendocino	Lumber, treated	1	Copper ethanolamine complexes, mixed	822,030	0	0
Mendocino	Lumber, treated	1	Octhilinone	125,543	0	0
Mendocino	Lumber, treated	1	5-chloro-2-methyl-4-isothiazolin-3-one	65,560	0	0
Mendocino	Lumber, treated	1	2-methyl-4-isothiazolin-3-one	23,324	0	0
Mendocino	Lumber, treated	1	Propiconazole	7,344	0	0
Mendocino	Grape, wine	2	Sulfur	403,289	1,845	53,883
Mendocino	Grape, wine	2	Mineral oil	164,822	641	18,168
Mendocino	Grape, wine	2	Glyphosate, isopropylamine salt	6,326	244	2,707
Mendocino	Grape, wine	2	Copper oxychloride	5,155	169	6,257
Mendocino	Grape, wine	2	Glyphosate, potassium salt	4,955	155	2,941
Mendocino	Pear	3	Mineral oil	71,029	75	3,484
Mendocino	Pear	3	Mancozeb	8,528	58	2,316
Mendocino	Pear	3	Ziram	7,932	42	1,742
Mendocino	Pear	3	Sulfur	4,102	8	388
Mendocino	Pear	3	Glyphosate, potassium salt	743	11	352
Mendocino	Forest, timberland	4	Imazapyr, isopropylamine salt	2,824	154	4,287
Mendocino	Forest, timberland	4	Triclopyr, triethylamine salt	1,439	39	1,102
Mendocino	Forest, timberland	4	Triclopyr, butoxyethyl ester	1,000	18	618
Mendocino	Forest, timberland	4	Glyphosate, dimethylamine salt	704	35	814
Mendocino	Forest, timberland	4	Glyphosate, isopropylamine salt	400	21	237
Mendocino	Rights of way	5	Sodium tetraborate decahydrate	3,478	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mendocino	Rights of way	5	Metam-sodium	999	0	0
Mendocino	Rights of way	5	Copper triethanolamine complex	681	0	0
Mendocino	Rights of way	5	Copper ethylenediamine complex	604	0	0
Mendocino	Rights of way	5	Triclopyr, triethylamine salt	141	0	0
Merced	Almond	1	Mineral oil	662,844	1,749	110,915
Merced	Almond	1	Glyphosate, potassium salt	165,500	2,035	96,740
Merced	Almond	1	Glyphosate, isopropylamine salt	162,086	2,018	83,462
Merced	Almond	1	1,3-dichloropropene	83,968	16	264
Merced	Almond	1	Glufosinate-ammonium	82,703	2,179	86,874
Merced	Tomato, processing	2	Sulfur	900,434	473	31,587
Merced	Tomato, processing	2	Chlorothalonil	46,496	363	24,526
Merced	Tomato, processing	2	S-metolachlor	20,103	201	14,166
Merced	Tomato, processing	2	Potassium n-methyldithiocarbamate	14,024	3	52
Merced	Tomato, processing	2	Glyphosate, isopropylamine salt	12,302	171	9,880
Merced	Sweet potato	3	1,3-dichloropropene	581,561	245	5,466
Merced	Sweet potato	3	Potassium n-methyldithiocarbamate	250,189	47	1,074
Merced	Sweet potato	3	Burkholderia rinojensis strain a396	8,467	22	676
Merced	Sweet potato	3	Chloropicrin	6,739	3	45
Merced	Sweet potato	3	Ethoprop	6,371	59	1,681
Merced	Grape, wine	4	Sulfur	542,240	596	64,028
Merced	Grape, wine	4	Lime-sulfur	53,319	23	2,262
Merced	Grape, wine	4	Glyphosate, potassium salt	40,771	196	10,575
Merced	Grape, wine	4	Glufosinate-ammonium	24,498	306	19,929
Merced	Grape, wine	4	Oxyfluorfen	7,559	244	17,423
Merced	N-outdr transplants	5	Methyl bromide	155,669	34	666
Merced	N-outdr transplants	5	Chloropicrin	108,638	42	730
Merced	N-outdr transplants	5	Sulfur	6,270	73	2,222

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Merced	N-outdr transplants	5	Captan	2,516	60	1,108
Merced	N-outdr transplants	5	1,3-dichloropropene	2,320	4	19
Modoc	Potato	1	Potassium n-methyldithiocarbamate	38,334	4	235
Modoc	Potato	1	Metam-sodium	10,473	1	70
Modoc	Potato	1	Chlorothalonil	4,374	68	4,459
Modoc	Potato	1	Caprylic acid	3,608	3	317
Modoc	Potato	1	Burkholderia rinojensis strain a396	3,382	4	392
Modoc	Alfalfa	2	Metribuzin	7,015	170	12,271
Modoc	Alfalfa	2	Paraquat dichloride	5,413	78	5,691
Modoc	Alfalfa	2	Glyphosate, potassium salt	3,098	28	2,116
Modoc	Alfalfa	2	2,4-db, dimethylamine salt	1,401	33	2,183
Modoc	Alfalfa	2	Glyphosate, isopropylamine salt	1,266	46	1,158
Modoc	Onion, dry	3	Mancozeb	4,853	56	3,610
Modoc	Onion, dry	3	Glyphosate, potassium salt	1,615	21	1,286
Modoc	Onion, dry	3	Pendimethalin	1,023	27	1,588
Modoc	Onion, dry	3	Copper hydroxide	723	16	1,052
Modoc	Onion, dry	3	Penthiopyrad	648	36	2,323
Modoc	Uncultivated ag	4	1,3-dichloropropene	10,337	1	75
Modoc	Uncultivated ag	4	Glyphosate, potassium salt	1,263	9	670
Modoc	Uncultivated ag	4	Diglycolamine salt of 3,6-dichloro-o-anisic acid	121	5	319
Modoc	Uncultivated ag	4	2,4-d, 2-ethylhexyl ester	82	1	42
Modoc	Uncultivated ag	4	2,4-d, butoxyethanol ester	75	2	178
Modoc	Rice, wild	5	Copper sulfate (pentahydrate)	8,802	29	928
Modoc	Rice, wild	5	Glyphosate, isopropylamine salt	13	1	6
Modoc	Rice, wild	5	Lambda-cyhalothrin	< 1	1	36
Modoc	Rice, wild	5	Phosphoric acid	< 1	1	6

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mono	Alfalfa	1	Diuron	723	10	553
Mono	Alfalfa	1	Hexazinone	294	10	553
Mono	Alfalfa	1	2,4-d, dimethylamine salt	210	2	187
Mono	Alfalfa	1	2,4-db, dimethylamine salt	173	4	294
Mono	Alfalfa	1	Clethodim	21	1	80
Mono	Forage hay/silage	2	Fatty acids, methyl esters	403	6	219
Mono	Forage hay/silage	2	Diuron	100	1	102
Mono	Forage hay/silage	2	2,4-d, dimethylamine salt	88	3	102
Mono	Forage hay/silage	2	Clethodim	31	6	219
Mono	Forage hay/silage	2	Imazethapyr, ammonium salt	8	2	94
Mono	Rights of way	3	Glyphosate, isopropylamine salt	512	0	0
Mono	Rights of way	3	Mineral oil	25	0	0
Mono	Rights of way	3	Triclopyr, triethylamine salt	13	0	0
Mono	Rights of way	3	Aminopyralid, triisopropanolamine salt	11	0	0
Mono	Rights of way	3	Chlorsulfuron	4	0	0
Mono	Landscape maintenance	4	Chlorothalonil	40	2	5
Mono	Landscape maintenance	4	Pcnb	27	1	2
Mono	Landscape maintenance	4	Propiconazole	3	2	5
Mono	Landscape maintenance	4	Imidacloprid	< 1	0	0
Mono	Landscape maintenance	4	Bifenthrin	< 1	0	0
Mono	Structural pest control	5	Disodium octaborate tetrahydrate	13	0	0
Mono	Structural pest control	5	Deltamethrin	7	0	0
Mono	Structural pest control	5	Bifenthrin	2	0	0
Mono	Structural pest control	5	Piperonyl butoxide	2	0	0
Mono	Structural pest control	5	Esfenvalerate	< 1	0	0
Monterey	Strawberry	1	Chloropicrin	2,231,289	638	9,190
Monterey	Strawberry	1	1,3-dichloropropene	759,811	477	8,198

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Monterey	Strawberry	1	Potassium n-methyldithiocarbamate	303,960	76	1,165
Monterey	Strawberry	1	Sulfur	133,598	1,013	35,389
Monterey	Strawberry	1	Captan	25,905	565	13,887
Monterey	Grape, wine	2	Mineral oil	1,059,239	3,191	163,866
Monterey	Grape, wine	2	Sulfur	613,179	4,787	150,120
Monterey	Grape, wine	2	Lime-sulfur	64,221	84	2,589
Monterey	Grape, wine	2	Potassium bicarbonate	54,496	478	13,566
Monterey	Grape, wine	2	Hydrogen peroxide	51,288	838	37,615
Monterey	Lettuce, leaf	3	Potassium phosphite	124,145	3,878	43,430
Monterey	Lettuce, leaf	3	Mancozeb	88,100	6,152	59,206
Monterey	Lettuce, leaf	3	Bensulide	84,793	2,758	23,464
Monterey	Lettuce, leaf	3	Diatomaceous earth	65,621	599	5,562
Monterey	Lettuce, leaf	3	Propyzamide	45,267	4,759	42,974
Monterey	Lettuce, head	4	Mancozeb	62,571	3,993	42,481
Monterey	Lettuce, head	4	Potassium phosphite	57,911	2,081	23,125
Monterey	Lettuce, head	4	Fosetyl-al	29,534	762	9,713
Monterey	Lettuce, head	4	Bensulide	28,616	940	8,854
Monterey	Lettuce, head	4	Methomyl	26,603	3,651	39,498
Monterey	Broccoli	5	Bensulide	37,219	1,148	13,110
Monterey	Broccoli	5	Chlorthal-dimethyl	31,019	1,154	10,179
Monterey	Broccoli	5	Diatomaceous earth	28,600	225	1,888
Monterey	Broccoli	5	Bacillus thuringiensis subsp. aizawai strain: abts-1857	16,409	2,507	20,505
Monterey	Broccoli	5	Bacillus thuringiensis subsp. aizawai strain: gc-91	8,512	711	10,119
Napa	Grape, wine	1	Sulfur	868,333	8,539	152,410
Napa	Grape, wine	1	Mineral oil	215,063	2,545	37,884

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Napa	Grape, wine	1	Potassium bicarbonate	17,896	448	5,680
Napa	Grape, wine	1	Glyphosate, potassium salt	14,203	991	7,045
Napa	Grape, wine	1	Hydrogen peroxide	13,548	719	6,574
Napa	Landscape maintenance	2	Mineral oil	2,901	0	0
Napa	Landscape maintenance	2	Chlorothalonil	1,511	0	0
Napa	Landscape maintenance	2	Potassium phosphite	1,249	0	0
Napa	Landscape maintenance	2	Dithiopyr	939	0	0
Napa	Landscape maintenance	2	Prodiamine	791	0	0
Napa	Fumigation, other	3	Sulfur dioxide	13,070	6	0
Napa	Soil fumigation/preplant	4	1,3-dichloropropene	7,157	2	22
Napa	Structural pest control	5	Sulfuryl fluoride	2,417	0	0
Napa	Structural pest control	5	Boric acid	1,027	0	0
Napa	Structural pest control	5	Bifenthrin	484	0	0
Napa	Structural pest control	5	Deltamethrin	419	0	0
Napa	Structural pest control	5	Disodium octaborate tetrahydrate	391	0	0
Nevada	Landscape maintenance	1	Sulfur	9,035	0	0
Nevada	Landscape maintenance	1	Glyphosate, isopropylamine salt	2,275	0	0
Nevada	Landscape maintenance	1	Chlorothalonil	1,124	9	125
Nevada	Landscape maintenance	1	Mineral oil	974	0	0
Nevada	Landscape maintenance	1	Endothall, dipotassium salt	730	0	0
Nevada	Grape, wine	2	Sulfur	16,066	97	1,379
Nevada	Grape, wine	2	Mineral oil	451	30	132
Nevada	Grape, wine	2	Glyphosate, isopropylamine salt	335	7	170
Nevada	Grape, wine	2	Glufosinate-ammonium	92	1	80
Nevada	Grape, wine	2	Oxyfluorfen	86	8	171
Nevada	Rights of way	3	Copper ethanolamine complexes, mixed	3,411	0	0
Nevada	Rights of way	3	Sodium tetraborate decahydrate	2,685	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Nevada	Rights of way	3	Glyphosate, isopropylamine salt	2,284	0	0
Nevada	Rights of way	3	Copper triethanolamine complex	2,054	0	0
Nevada	Rights of way	3	Copper ethylenediamine complex	1,820	0	0
Nevada	Structural pest control	4	Sulfuryl fluoride	1,234	0	0
Nevada	Structural pest control	4	Bifenthrin	170	0	0
Nevada	Structural pest control	4	Piperonyl butoxide	147	0	0
Nevada	Structural pest control	4	Esfenvalerate	117	0	0
Nevada	Structural pest control	4	Deltamethrin	93	0	0
Nevada	Water (industrial)	5	Sodium bromide	103	0	0
Nevada	Water (industrial)	5	Sodium hypochlorite	69	0	0
Nevada	Water (industrial)	5	Sodium dichloro-s-triazinetriene	45	0	0
Nevada	Water (industrial)	5	1-bromo-3-chloro-5,5-dimethyl hydantoin	27	0	0
Nevada	Water (industrial)	5	Glutaraldehyde	20	0	0
Orange	Structural pest control	1	Sulfuryl fluoride	316,775	0	0
Orange	Structural pest control	1	Disodium octaborate tetrahydrate	25,869	0	0
Orange	Structural pest control	1	Boric acid	20,462	0	0
Orange	Structural pest control	1	Bifenthrin	7,304	0	0
Orange	Structural pest control	1	Dinotefuran	5,131	0	0
Orange	Landscape maintenance	2	Glyphosate, isopropylamine salt	22,049	1	1
Orange	Landscape maintenance	2	Glufosinate-ammonium	10,177	0	0
Orange	Landscape maintenance	2	Chlorothalonil	8,915	0	0
Orange	Landscape maintenance	2	Glyphosate, potassium salt	8,003	0	0
Orange	Landscape maintenance	2	Caprylic acid	7,844	0	0
Orange	Water (industrial)	3	Sodium hypochlorite	15,733	0	0
Orange	Water (industrial)	3	1-bromo-3-chloro-5,5-dimethyl hydantoin	14,791	0	0
Orange	Water (industrial)	3	Sodium bromide	8,365	0	0
Orange	Water (industrial)	3	1,3-dichloro-5,5-dimethylhydantoin	7,785	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Orange	Water (industrial)	3	1,3-dichloro-5-ethyl-5-methylhydantoin	4,283	0	0
Orange	Golf course turf	4	Fosetyl-al	42,738	0	32
Orange	Golf course turf	4	Chlorothalonil	3,099	0	67,354
Orange	Golf course turf	4	Potassium phosphite	1,856	0	199
Orange	Golf course turf	4	Thiophanate-methyl	1,785	0	302
Orange	Golf course turf	4	Mancozeb	1,338	0	72
Orange	Strawberry	5	Chloropicrin	32,621	13	159
Orange	Strawberry	5	1,3-dichloropropene	21,076	11	157
Orange	Strawberry	5	Bacillus thuringiensis subsp. kurstaki strain: abts-351	90	5	85
Orange	Strawberry	5	Bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	54	2	43
Orange	Strawberry	5	Cyprodinil	26	6	64
Placer	Rice	1	Propanil	42,290	165	9,458
Placer	Rice	1	Copper sulfate (pentahydrate)	14,533	15	1,088
Placer	Rice	1	Mineral oil	13,332	122	6,842
Placer	Rice	1	Ammonium sulfate	2,581	103	5,696
Placer	Rice	1	Sodium percarbonate	1,870	4	88
Placer	Almond	2	Sulfur	25,541	15	3,583
Placer	Almond	2	Glyphosate, potassium salt	2,970	17	1,094
Placer	Almond	2	Chlorothalonil	2,220	11	741
Placer	Almond	2	Mineral oil	2,012	19	3,900
Placer	Almond	2	Glufosinate-ammonium	1,383	19	1,548
Placer	Walnut	3	Mineral oil	17,632	46	3,029
Placer	Walnut	3	Glyphosate, potassium salt	6,957	91	3,684
Placer	Walnut	3	Copper hydroxide	4,843	22	1,554
Placer	Walnut	3	Glufosinate-ammonium	1,800	62	1,724

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Placer	Walnut	3	Mancozeb	1,756	22	1,554
Placer	Structural pest control	4	Permethrin	22,570	0	0
Placer	Structural pest control	4	Sulfuryl fluoride	4,209	0	0
Placer	Structural pest control	4	Boric acid	2,184	0	0
Placer	Structural pest control	4	Carbon dioxide	1,751	0	0
Placer	Structural pest control	4	Bifenthrin	1,347	0	0
Placer	Landscape maintenance	5	Carbon dioxide	8,275	0	0
Placer	Landscape maintenance	5	Glyphosate, isopropylamine salt	3,891	1	4
Placer	Landscape maintenance	5	Mineral oil	3,558	0	0
Placer	Landscape maintenance	5	Chlorothalonil	3,318	0	0
Placer	Landscape maintenance	5	Glyphosate, potassium salt	3,089	0	0
Plumas	Forest, timberland	1	Glyphosate, dimethylamine salt	43,337	215	16,299
Plumas	Forest, timberland	1	Hexazinone	13,833	107	12,363
Plumas	Forest, timberland	1	Glyphosate, isopropylamine salt	9,120	18	4,365
Plumas	Forest, timberland	1	Imazapyr, isopropylamine salt	7,486	174	16,771
Plumas	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	3,450	153	13,590
Plumas	Water (industrial)	2	Sodium bromide	3,498	0	0
Plumas	Rights of way	3	Metam-sodium	1,238	0	0
Plumas	Rights of way	3	Sodium tetraborate decahydrate	849	0	0
Plumas	Rights of way	3	Glyphosate, isopropylamine salt	469	1	10
Plumas	Rights of way	3	Flumioxazin	111	0	0
Plumas	Rights of way	3	Glyphosate, potassium salt	71	0	0
Plumas	Landscape maintenance	4	Chlorothalonil	294	0	0
Plumas	Landscape maintenance	4	Ethephon	205	0	0
Plumas	Landscape maintenance	4	Tebuconazole	167	0	0
Plumas	Landscape maintenance	4	Glyphosate, potassium salt	88	0	0
Plumas	Landscape maintenance	4	Potassium phosphite	75	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Plumas	N-grnhs flower	5	Pcnb	674	0	42
Plumas	N-grnhs flower	5	Chlorothalonil	121	0	12
Plumas	N-grnhs flower	5	Mineral oil	50	0	2
Plumas	N-grnhs flower	5	Ethephon	26	0	10
Plumas	N-grnhs flower	5	Propiconazole	25	0	20
Riverside	Lemon	1	Kaolin	165,239	74	2,607
Riverside	Lemon	1	Mineral oil	146,043	295	13,916
Riverside	Lemon	1	Metam-sodium	46,566	6	220
Riverside	Lemon	1	Sulfur	26,970	82	3,455
Riverside	Lemon	1	Glyphosate, isopropylamine salt	6,378	326	5,689
Riverside	Pepper, fruiting	2	Metam-sodium	280,938	51	1,239
Riverside	Pepper, fruiting	2	Potassium n-methyldithiocarbamate	45,666	11	228
Riverside	Pepper, fruiting	2	Sulfur	16,265	88	1,557
Riverside	Pepper, fruiting	2	Pendimethalin	1,709	73	1,959
Riverside	Pepper, fruiting	2	Copper octanoate	1,422	104	2,538
Riverside	Grape	3	Sulfur	128,080	883	27,818
Riverside	Grape	3	1,3-dichloropropene	49,391	3	161
Riverside	Grape	3	Hydrogen cyanamide	37,940	87	2,313
Riverside	Grape	3	Mineral oil	7,874	319	8,370
Riverside	Grape	3	Chloropicrin	4,672	1	89
Riverside	Alfalfa	4	Glyphosate, potassium salt	67,310	1,317	40,450
Riverside	Alfalfa	4	Sulfur	48,495	233	10,277
Riverside	Alfalfa	4	Pendimethalin	36,394	603	26,815
Riverside	Alfalfa	4	Glyphosate, isopropylamine salt	23,200	326	12,909
Riverside	Alfalfa	4	Trifluralin	10,837	154	5,440
Riverside	Peach	5	1,3-dichloropropene	173,639	4	545
Riverside	Peach	5	Chloropicrin	5,946	1	114

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Riverside	Peach	5	Mineral oil	1,607	9	1,057
Riverside	Peach	5	Glufosinate-ammonium	1,532	7	1,040
Riverside	Peach	5	Sulfur	836	3	523
Sacramento	Grape, wine	1	Sulfur	3,150,008	3,612	244,522
Sacramento	Grape, wine	1	Mineral oil	40,478	355	17,712
Sacramento	Grape, wine	1	Glufosinate-ammonium	26,604	941	26,417
Sacramento	Grape, wine	1	Glyphosate, isopropylamine salt	24,052	505	11,360
Sacramento	Grape, wine	1	Glyphosate, potassium salt	18,240	232	7,549
Sacramento	Pear	2	Mineral oil	484,468	1,123	39,397
Sacramento	Pear	2	Lime-sulfur	51,041	47	2,182
Sacramento	Pear	2	Mancozeb	32,467	358	14,379
Sacramento	Pear	2	Sulfur	14,744	90	1,599
Sacramento	Pear	2	Copper oxychloride	6,127	160	5,100
Sacramento	Tomato, processing	3	Sulfur	99,178	67	5,060
Sacramento	Tomato, processing	3	Chlorothalonil	10,859	83	5,428
Sacramento	Tomato, processing	3	S-metolachlor	5,626	87	3,231
Sacramento	Tomato, processing	3	Glyphosate, potassium salt	4,612	73	3,038
Sacramento	Tomato, processing	3	Ethephon	3,826	123	5,902
Sacramento	Cannabis (all or unspecified)	4	Mineral oil	118,357	1,680	157
Sacramento	Cannabis (all or unspecified)	4	Hydrogen peroxide	727	532	22
Sacramento	Cannabis (all or unspecified)	4	Margosa oil	233	231	17
Sacramento	Cannabis (all or unspecified)	4	Potassium phosphite	196	62	2
Sacramento	Cannabis (all or unspecified)	4	Burkholderia rinojensis strain a396	194	173	11

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sacramento	Rice	5	Propanil	45,865	130	10,305
Sacramento	Rice	5	Mineral oil	22,690	128	9,940
Sacramento	Rice	5	Copper sulfate (pentahydrate)	9,201	7	683
Sacramento	Rice	5	Thiobencarb	4,626	17	1,435
Sacramento	Rice	5	Sodium chlorate	4,150	5	696
San benito	Grape, wine	1	Mineral oil	62,828	895	13,241
San benito	Grape, wine	1	Sulfur	36,608	298	9,037
San benito	Grape, wine	1	Potassium bicarbonate	5,431	129	2,146
San benito	Grape, wine	1	Glyphosate, isopropylamine salt	3,273	50	1,996
San benito	Grape, wine	1	Glufosinate-ammonium	2,944	170	3,415
San benito	Pepper, fruiting	2	Potassium n-methyldithiocarbamate	96,248	50	420
San benito	Pepper, fruiting	2	Kaolin	8,906	9	143
San benito	Pepper, fruiting	2	Sulfur	2,641	66	477
San benito	Pepper, fruiting	2	Glyphosate, isopropylamine salt	750	12	305
San benito	Pepper, fruiting	2	Oxamyl	645	40	950
San benito	Lettuce, leaf	3	Diatomaceous earth	50,595	665	4,107
San benito	Lettuce, leaf	3	Bensulide	9,966	358	2,648
San benito	Lettuce, leaf	3	Potassium phosphite	6,608	289	2,198
San benito	Lettuce, leaf	3	Mancozeb	5,078	383	3,323
San benito	Lettuce, leaf	3	Burkholderia rinojensis strain a396	4,060	122	753
San benito	Broccoli	4	Diatomaceous earth	19,921	139	1,322
San benito	Broccoli	4	Potassium laurate	3,192	116	834
San benito	Broccoli	4	Burkholderia rinojensis strain a396	2,214	59	377
San benito	Broccoli	4	Bacillus thuringiensis subsp. aizawai strain: abts-1857	1,786	262	2,495
San benito	Broccoli	4	Chlorthal-dimethyl	1,355	61	458
San benito	Spinach	5	Potassium phosphite	5,850	239	2,143

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San benito	Spinach	5	Diatomaceous earth	3,566	18	141
San benito	Spinach	5	Bacillus amyloliquefaciens strain: f727	2,759	148	1,090
San benito	Spinach	5	Cycloate	2,340	265	1,873
San benito	Spinach	5	Bacillus velezensis strain: d747	1,721	25	219
San bernardino	Structural pest control	1	Sulfuryl fluoride	53,951	0	0
San bernardino	Structural pest control	1	Boric acid	24,221	0	0
San bernardino	Structural pest control	1	Disodium octaborate tetrahydrate	5,260	0	0
San bernardino	Structural pest control	1	Piperonyl butoxide	4,479	0	0
San bernardino	Structural pest control	1	Bifenthrin	3,086	0	0
San bernardino	Rights of way	2	Glyphosate, isopropylamine salt	32,344	22	122
San bernardino	Rights of way	2	Imazapyr, isopropylamine salt	6,362	19	161
San bernardino	Rights of way	2	Glyphosate, potassium salt	5,231	0	0
San bernardino	Rights of way	2	Tebuthiuron	4,727	0	0
San bernardino	Rights of way	2	Oxyfluorfen	3,815	0	0
San bernardino	Landscape maintenance	3	Glyphosate, isopropylamine salt	27,338	46	684
San bernardino	Landscape maintenance	3	Glyphosate, potassium salt	9,293	0	0
San bernardino	Landscape maintenance	3	Pendimethalin	1,543	5	81

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Landscape maintenance	3	Diquat dibromide	1,257	0	0
San bernardino	Landscape maintenance	3	Dithiopyr	1,118	0	0
San bernardino	Water (industrial)	4	Sodium bromosulfamate, sodium chlorosulfamate, potassium bromosulfamate, potassium chlorosulfamate	5,859	0	0
San bernardino	Water (industrial)	4	Sodium hypochlorite	3,940	0	0
San bernardino	Water (industrial)	4	Sodium bromide	2,332	0	0
San bernardino	Water (industrial)	4	1-bromo-3-chloro-5,5-dimethyl hydantoin	786	0	0
San bernardino	Water (industrial)	4	5-chloro-2-methyl-4-isothiazolin-3-one	739	0	0
San bernardino	Orange	5	Mineral oil	10,010	118	1,060
San bernardino	Orange	5	Glyphosate, potassium salt	1,564	147	2,535
San bernardino	Orange	5	Copper hydroxide	1,520	60	499
San bernardino	Orange	5	Petroleum oil, sulfurized	433	7	31
San bernardino	Orange	5	Fenpropathrin	153	60	489
San diego	Structural pest control	1	Sulfuryl fluoride	379,221	0	0
San diego	Structural pest control	1	Disodium octaborate tetrahydrate	48,655	0	0
San diego	Structural pest control	1	Boric acid	45,057	0	0
San diego	Structural pest control	1	Limonene	16,171	0	0
San diego	Structural pest control	1	Dinotefuran	5,065	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San diego	Tomato	2	Metam-sodium	61,891	20	538
San diego	Tomato	2	1,3-dichloropropene	59,750	7	506
San diego	Tomato	2	Sulfur	10,147	45	1,892
San diego	Tomato	2	Chlorothalonil	4,769	74	3,188
San diego	Tomato	2	Oxamyl	1,753	34	1,960
San diego	Water (industrial)	3	Sodium chlorate	120,576	0	0
San diego	Water (industrial)	3	Sodium bromide	5,571	0	0
San diego	Water (industrial)	3	Sodium hypochlorite	2,918	0	0
San diego	Water (industrial)	3	1-bromo-3-chloro-5,5-dimethyl hydantoin	2,291	0	0
San diego	Water (industrial)	3	Glutaraldehyde	2,053	0	0
San diego	Landscape maintenance	4	Glyphosate, isopropylamine salt	21,331	7	39
San diego	Landscape maintenance	4	Diquat dibromide	16,505	0	0
San diego	Landscape maintenance	4	Carbon dioxide	14,051	0	0
San diego	Landscape maintenance	4	Chlorothalonil	9,369	0	0
San diego	Landscape maintenance	4	Mineral oil	8,670	0	0
San diego	Avocado	5	Mineral oil	95,251	216	4,491
San diego	Avocado	5	Glyphosate, potassium salt	9,445	866	6,985
San diego	Avocado	5	Caprylic acid	4,216	79	791
San diego	Avocado	5	Capric acid	2,871	79	791
San diego	Avocado	5	Glyphosate, isopropylamine salt	2,739	609	6,220
San francisco	Water (industrial)	1	Glutaraldehyde	2,582	0	0
San francisco	Water (industrial)	1	1-bromo-3-chloro-5,5-dimethyl hydantoin	2,497	0	0
San francisco	Water (industrial)	1	Sodium bromide	1,138	0	0
San francisco	Water (industrial)	1	Sodium hypochlorite	1,095	0	0
San francisco	Water (industrial)	1	1,3-dichloro-5,5-dimethylhydantoin	538	0	0
San francisco	Golf course turf	2	Chlorothalonil	3,153	0	507
San francisco	Golf course turf	2	Ethephon	1,034	0	306

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San francisco	Golf course turf	2	Ethofumesate	840	0	160
San francisco	Golf course turf	2	Thiophanate-methyl	452	0	232
San francisco	Golf course turf	2	Tebuconazole	302	0	274
San francisco	Structural pest control	3	Disodium octaborate tetrahydrate	3,506	0	0
San francisco	Structural pest control	3	Sulfuryl fluoride	730	0	0
San francisco	Structural pest control	3	Boric acid	673	0	0
San francisco	Structural pest control	3	Dinotefuran	393	0	0
San francisco	Structural pest control	3	Acephate	159	0	0
San francisco	Landscape maintenance	4	Potassium phosphite	1,973	0	0
San francisco	Landscape maintenance	4	Mineral oil	480	0	0
San francisco	Landscape maintenance	4	Margosa oil	92	0	0
San francisco	Landscape maintenance	4	Glyphosate, isopropylamine salt	63	0	0
San francisco	Landscape maintenance	4	Glyphosate, potassium salt	55	0	0
San francisco	Public health	5	Mineral oil	1,205	0	0
San francisco	Public health	5	S-methoprene	82	0	0
San francisco	Public health	5	Bacillus thuringiensis subsp. israelensis strain: am 65-52	2	0	0
San francisco	Public health	5	Bacillus sphaericus 2362 serotype h5a5b strain: abts 1743	1	0	0
San francisco	Public health	5	Poe isooctadecanol	< 1	0	0
San joaquin	Grape, wine	1	Sulfur	5,322,627	10,194	434,810
San joaquin	Grape, wine	1	1,3-dichloropropene	156,003	12	476
San joaquin	Grape, wine	1	Glufosinate-ammonium	48,479	2,635	51,561
San joaquin	Grape, wine	1	Lime-sulfur	45,981	67	3,538
San joaquin	Grape, wine	1	Glyphosate, isopropylamine salt	42,933	1,269	21,812
San joaquin	Almond	2	Mineral oil	384,047	1,349	66,462
San joaquin	Almond	2	Glyphosate, isopropylamine salt	150,481	1,975	75,088

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San joaquin	Almond	2	1,3-dichloropropene	83,186	20	256
San joaquin	Almond	2	Glyphosate, potassium salt	73,257	1,007	34,194
San joaquin	Almond	2	Glufosinate-ammonium	70,334	1,855	67,917
San joaquin	Tomato, processing	3	Sulfur	345,000	309	16,708
San joaquin	Tomato, processing	3	Chlorothalonil	44,009	448	24,410
San joaquin	Tomato, processing	3	Potassium n-methyldithiocarbamate	29,951	4	343
San joaquin	Tomato, processing	3	S-metolachlor	16,034	143	9,044
San joaquin	Tomato, processing	3	Kaolin	11,688	15	952
San joaquin	Walnut	4	1,3-dichloropropene	58,789	10	178
San joaquin	Walnut	4	Copper hydroxide	54,572	436	17,140
San joaquin	Walnut	4	Glyphosate, isopropylamine salt	44,488	921	25,699
San joaquin	Walnut	4	Potassium phosphite	37,785	302	13,389
San joaquin	Walnut	4	Mancozeb	31,251	433	17,360
San joaquin	Cherry	5	Mineral oil	125,994	885	15,579
San joaquin	Cherry	5	1,3-dichloropropene	44,572	10	135
San joaquin	Cherry	5	Hydrogen cyanamide	38,230	196	3,890
San joaquin	Cherry	5	Sulfur	37,920	396	7,425
San joaquin	Cherry	5	Copper sulfate (pentahydrate)	10,878	38	579
San luis obispo	Strawberry	1	Chloropicrin	468,471	95	2,431
San luis obispo	Strawberry	1	Metam-sodium	133,717	17	564
San luis obispo	Strawberry	1	1,3-dichloropropene	119,863	38	1,117
San luis obispo	Strawberry	1	Potassium n-methyldithiocarbamate	92,372	19	361
San luis obispo	Strawberry	1	Sulfur	79,494	303	10,139

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San luis obispo	Grape, wine	2	Sulfur	424,553	3,033	121,319
San luis obispo	Grape, wine	2	Mineral oil	196,663	1,139	43,418
San luis obispo	Grape, wine	2	Potassium bicarbonate	26,709	454	7,074
San luis obispo	Grape, wine	2	Glufosinate-ammonium	22,779	1,292	22,989
San luis obispo	Grape, wine	2	Glyphosate, isopropylamine salt	20,600	202	6,359
San luis obispo	Carrot	3	Sulfur	62,551	142	9,206
San luis obispo	Carrot	3	Potassium n-methyldithiocarbamate	59,646	3	227
San luis obispo	Carrot	3	1,3-dichloropropene	18,312	3	155
San luis obispo	Carrot	3	Caprylic acid	5,267	32	793
San luis obispo	Carrot	3	Capric acid	3,910	32	793
San luis obispo	Avocado	4	Mineral oil	84,345	183	5,830
San luis obispo	Avocado	4	Glyphosate, isopropylamine salt	2,157	188	1,656
San luis obispo	Avocado	4	Glyphosate, potassium salt	558	36	387
San luis obispo	Avocado	4	Fenpropathrin	326	1	1,042
San luis obispo	Avocado	4	Simazine	202	11	85
San luis obispo	Lemon	5	Mineral oil	35,000	87	3,011

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San luis obispo	Lemon	5	Calcium hydroxide	8,978	20	1,031
San luis obispo	Lemon	5	Copper sulfate (basic)	3,865	20	1,006
San luis obispo	Lemon	5	Glyphosate, potassium salt	3,102	61	1,779
San luis obispo	Lemon	5	Glyphosate, isopropylamine salt	2,963	143	2,874
San mateo	Structural pest control	1	Sulfuryl fluoride	43,660	0	0
San mateo	Structural pest control	1	Boric acid	6,993	0	0
San mateo	Structural pest control	1	Disodium octaborate tetrahydrate	4,646	0	0
San mateo	Structural pest control	1	Imidacloprid	1,085	0	0
San mateo	Structural pest control	1	Dinotefuran	731	0	0
San mateo	Landscape maintenance	2	Potassium phosphite	19,146	0	0
San mateo	Landscape maintenance	2	Sodium dichloro-s-triazinetriene dihydrate	4,050	0	0
San mateo	Landscape maintenance	2	Sodium hypochlorite	3,405	0	0
San mateo	Landscape maintenance	2	Trichloro-s-triazinetriene	2,776	0	0
San mateo	Landscape maintenance	2	Dithiopyr	2,228	0	0
San mateo	Brussels sprout	3	Potassium n-methyldithiocarbamate	36,067	31	383
San mateo	Brussels sprout	3	Pcnb	3,361	12	155
San mateo	Brussels sprout	3	Potassium phosphite	718	38	408
San mateo	Brussels sprout	3	1,3-dichloropropene	709	2	4
San mateo	Brussels sprout	3	Chlorothalonil	619	31	440
San mateo	Public health	4	Mineral oil	15,088	0	0
San mateo	Public health	4	Bacillus sphaericus 2362 serotype h5a5b strain: abts 1743	74	0	0
San mateo	Public health	4	Spinosad	49	0	0
San mateo	Public health	4	Bacillus thuringiensis subsp. israelensis strain: am 65-52	48	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San mateo	Public health	4	S-methoprene	38	0	0
San mateo	Ditch bank	5	Sodium percarbonate	8,492	0	18
San mateo	Ditch bank	5	Glyphosate, isopropylamine salt	15	0	< 1
San mateo	Ditch bank	5	Triclopyr choline	9	0	< 1
San mateo	Ditch bank	5	Imazapyr, isopropylamine salt	1	0	< 1
Santa barbara	Strawberry	1	Chloropicrin	1,847,565	314	9,463
Santa barbara	Strawberry	1	Potassium n-methyldithiocarbamate	463,282	61	1,741
Santa barbara	Strawberry	1	1,3-dichloropropene	357,813	119	3,288
Santa barbara	Strawberry	1	Sulfur	200,445	1,485	46,946
Santa barbara	Strawberry	1	Metam-sodium	167,475	20	706
Santa barbara	Grape, wine	2	Sulfur	626,717	1,920	108,482
Santa barbara	Grape, wine	2	Mineral oil	77,570	692	22,162
Santa barbara	Grape, wine	2	Potassium bicarbonate	62,116	624	18,111
Santa barbara	Grape, wine	2	1,3-dichloropropene	32,735	3	99
Santa barbara	Grape, wine	2	Lime-sulfur	16,672	33	4,235
Santa barbara	Carrot	3	Potassium n-methyldithiocarbamate	181,024	8	886
Santa barbara	Carrot	3	Metam-sodium	45,042	1	266
Santa barbara	Carrot	3	Sulfur	43,055	108	7,518
Santa barbara	Carrot	3	Linuron	2,531	166	4,481
Santa barbara	Carrot	3	Iprodione	1,868	27	2,533
Santa barbara	Avocado	4	Mineral oil	90,742	274	4,664
Santa barbara	Avocado	4	Glyphosate, isopropylamine salt	7,700	496	5,475
Santa barbara	Avocado	4	Glyphosate, potassium salt	6,591	416	4,792
Santa barbara	Avocado	4	Simazine	559	32	234
Santa barbara	Avocado	4	Kaolin	485	9	16
Santa barbara	Landscape maintenance	5	Mineral oil	46,694	0	0
Santa barbara	Landscape maintenance	5	Carbon dioxide	32,293	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa barbara	Landscape maintenance	5	Tebuconazole	10,594	2	6
Santa barbara	Landscape maintenance	5	Chlorothalonil	3,128	11	26
Santa barbara	Landscape maintenance	5	Glyphosate, isopropylamine salt	3,105	1	< 1
Santa clara	Pepper, fruiting	1	Potassium n-methyldithiocarbamate	129,499	38	622
Santa clara	Pepper, fruiting	1	Chloropicrin	35,569	22	246
Santa clara	Pepper, fruiting	1	1,3-dichloropropene	8,681	22	246
Santa clara	Pepper, fruiting	1	Kaolin	3,600	3	76
Santa clara	Pepper, fruiting	1	Sulfur	3,022	50	1,048
Santa clara	Structural pest control	2	Sulfuryl fluoride	137,904	0	0
Santa clara	Structural pest control	2	Boric acid	29,842	0	0
Santa clara	Structural pest control	2	Disodium octaborate tetrahydrate	8,621	0	0
Santa clara	Structural pest control	2	Dinotefuran	2,327	0	0
Santa clara	Structural pest control	2	Fipronil	912	0	0
Santa clara	Water (industrial)	3	Sodium hypochlorite	16,517	0	0
Santa clara	Water (industrial)	3	2,2-dibromo-3-nitrilopropionamide	13,265	0	0
Santa clara	Water (industrial)	3	Glutaraldehyde	11,125	0	0
Santa clara	Water (industrial)	3	Sodium bromide	10,215	0	0
Santa clara	Water (industrial)	3	1-bromo-3-chloro-5,5-dimethyl hydantoin	5,344	0	0
Santa clara	Tomato	4	Potassium n-methyldithiocarbamate	37,769	5	220
Santa clara	Tomato	4	Sulfur	10,568	28	814
Santa clara	Tomato	4	Chlorothalonil	2,782	63	1,750
Santa clara	Tomato	4	Glyphosate, isopropylamine salt	1,144	27	777
Santa clara	Tomato	4	S-metolachlor	789	26	800
Santa clara	Landscape maintenance	5	Sodium dichloro-s-triazinetriene dihydrate	9,474	0	0
Santa clara	Landscape maintenance	5	Glyphosate, potassium salt	7,561	90	30
Santa clara	Landscape maintenance	5	Potassium phosphite	7,523	0	0
Santa clara	Landscape maintenance	5	Trichloro-s-triazinetriene	4,869	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa clara	Landscape maintenance	5	Glyphosate, isopropylamine salt	4,507	1	5
Santa cruz	Strawberry	1	Chloropicrin	441,493	124	1,755
Santa cruz	Strawberry	1	1,3-dichloropropene	144,702	89	1,609
Santa cruz	Strawberry	1	Potassium n-methyldithiocarbamate	41,566	10	168
Santa cruz	Strawberry	1	Captan	6,710	170	3,408
Santa cruz	Strawberry	1	Sulfur	5,035	80	1,806
Santa cruz	Raspberry	2	Chloropicrin	151,026	36	513
Santa cruz	Raspberry	2	1,3-dichloropropene	41,109	24	485
Santa cruz	Raspberry	2	Lime-sulfur	21,201	49	634
Santa cruz	Raspberry	2	Caprylic acid	3,207	22	257
Santa cruz	Raspberry	2	Sulfur	3,012	33	420
Santa cruz	Blackberry	3	Soybean oil	58,207	332	4,010
Santa cruz	Blackberry	3	Mineral oil	13,100	178	2,110
Santa cruz	Blackberry	3	Lime-sulfur	10,830	55	366
Santa cruz	Blackberry	3	Chloropicrin	6,718	7	29
Santa cruz	Blackberry	3	Bacillus amyloliquefaciens strain: f727	4,659	40	734
Santa cruz	Brussels sprout	4	1,3-dichloropropene	66,396	27	603
Santa cruz	Brussels sprout	4	Potassium n-methyldithiocarbamate	1,419	2	16
Santa cruz	Brussels sprout	4	Diatomaceous earth	986	8	32
Santa cruz	Brussels sprout	4	Potassium laurate	813	14	52
Santa cruz	Brussels sprout	4	Burkholderia rinojensis strain a396	255	13	57
Santa cruz	Structural pest control	5	Sulfuryl fluoride	45,493	0	0
Santa cruz	Structural pest control	5	Boric acid	1,713	0	0
Santa cruz	Structural pest control	5	Disodium octaborate tetrahydrate	886	0	0
Santa cruz	Structural pest control	5	Permethrin	407	0	0
Santa cruz	Structural pest control	5	Limonene	293	0	0
Shasta	Soil fumigation/preplant	1	Methyl bromide	34,005	12	163

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Shasta	Soil fumigation/preplant	1	Chloropicrin	25,353	11	163
Shasta	Soil fumigation/preplant	1	Ammonium sulfate	12	1	5
Shasta	Soil fumigation/preplant	1	Glyphosate, potassium salt	7	1	5
Shasta	Soil fumigation/preplant	1	Phosphoric acid	4	1	5
Shasta	Forest, timberland	2	Glyphosate, dimethylamine salt	27,239	559	14,135
Shasta	Forest, timberland	2	Glyphosate, isopropylamine salt	3,214	94	2,037
Shasta	Forest, timberland	2	Oxyfluorfen	3,147	78	2,160
Shasta	Forest, timberland	2	Imazapyr, isopropylamine salt	2,911	249	5,945
Shasta	Forest, timberland	2	Hexazinone	2,505	69	1,643
Shasta	Rice, wild	3	Copper sulfate (pentahydrate)	31,499	32	2,340
Shasta	Rice, wild	3	Glyphosate, isopropylamine salt	1,044	5	243
Shasta	Rice, wild	3	Sodium percarbonate	425	1	20
Shasta	Rice, wild	3	Mineral oil	26	1	35
Shasta	Rice, wild	3	Carfentrazone-ethyl	18	2	100
Shasta	Rights of way	4	Glyphosate, dimethylamine salt	8,947	0	0
Shasta	Rights of way	4	Glyphosate, isopropylamine salt	6,025	3	28
Shasta	Rights of way	4	Sodium tetraborate decahydrate	1,235	0	0
Shasta	Rights of way	4	Mineral oil	897	0	0
Shasta	Rights of way	4	Oxyfluorfen	775	0	0
Shasta	Water (industrial)	5	Sodium chlorate	15,865	0	0
Shasta	Water (industrial)	5	Sodium bromide	2,796	0	0
Shasta	Water (industrial)	5	Sodium hypochlorite	480	0	0
Shasta	Water (industrial)	5	Glutaraldehyde	66	0	0
Sierra	Rights of way	1	Glyphosate, isopropylamine salt	1,801	0	0
Sierra	Rights of way	1	Metam-sodium	33	0	0
Sierra	Rights of way	1	Sodium tetraborate decahydrate	17	0	0
Sierra	Rights of way	1	Disodium octaborate anhydrous	6	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sierra	Rights of way	1	Aminopyralid, triisopropanolamine salt	4	0	0
Sierra	Alfalfa	2	Glyphosate, isopropylamine salt	237	1	140
Sierra	Alfalfa	2	Diuron	27	1	45
Sierra	Alfalfa	2	Imazethapyr, ammonium salt	17	2	170
Sierra	Alfalfa	2	Hexazinone	11	2	90
Sierra	Alfalfa	2	Zeta-cypermethrin	5	2	195
Sierra	Wheat (forage - fodder)	3	Glyphosate, isopropylamine salt	61	1	60
Sierra	County ag comm	4	Chlorsulfuron	15	0	0
Sierra	County ag comm	4	Aminopyralid, triisopropanolamine salt	13	0	0
Sierra	County ag comm	4	Triclopyr, butoxyethyl ester	11	0	0
Sierra	County ag comm	4	Aminocyclopyrachlor, potassium salt	5	0	0
Sierra	Structural pest control	5	Permethrin	37	0	0
Sierra	Structural pest control	5	Bifenthrin	2	0	0
Sierra	Structural pest control	5	Fipronil	2	0	0
Sierra	Structural pest control	5	Dinotefuran	< 1	0	0
Sierra	Structural pest control	5	Diatomaceous earth	< 1	0	0
Siskiyou	Soil fumigation/preplant	1	Methyl bromide	767,227	156	3,411
Siskiyou	Soil fumigation/preplant	1	Chloropicrin	448,010	155	3,397
Siskiyou	Soil fumigation/preplant	1	Glyphosate, potassium salt	385	3	201
Siskiyou	Soil fumigation/preplant	1	Carfentrazone-ethyl	2	1	108
Siskiyou	Soil fumigation/preplant	1	Saflufenacil	< 1	1	43
Siskiyou	Strawberry	2	Sulfur	22,410	183	7,603
Siskiyou	Strawberry	2	Captan	12,448	128	5,676
Siskiyou	Strawberry	2	Thiram	7,504	70	2,971
Siskiyou	Strawberry	2	Iprodione	6,027	7	1,707
Siskiyou	Strawberry	2	Copper sulfate (basic)	3,757	48	2,096
Siskiyou	Alfalfa	3	Paraquat dichloride	5,684	118	6,961

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Siskiyou	Alfalfa	3	Metribuzin	5,221	167	10,370
Siskiyou	Alfalfa	3	Malathion	4,959	115	4,891
Siskiyou	Alfalfa	3	Glyphosate, potassium salt	3,585	24	2,238
Siskiyou	Alfalfa	3	Ammonium sulfate	1,959	111	7,635
Siskiyou	Potato	4	1,3-dichloropropene	7,467	1	63
Siskiyou	Potato	4	Burkholderia rinojensis strain a396	4,379	6	337
Siskiyou	Potato	4	Chlorothalonil	2,669	56	2,686
Siskiyou	Potato	4	Copper hydroxide	1,721	62	3,078
Siskiyou	Potato	4	Caprylic acid	1,375	3	161
Siskiyou	Forest, timberland	5	Glyphosate, isopropylamine salt	8,080	98	3,397
Siskiyou	Forest, timberland	5	Hexazinone	4,474	86	3,457
Siskiyou	Forest, timberland	5	Glyphosate, dimethylamine salt	3,423	61	1,826
Siskiyou	Forest, timberland	5	Oxyfluorfen	1,426	56	1,104
Siskiyou	Forest, timberland	5	Triclopyr, triethylamine salt	1,075	25	707
Solano	Tomato, processing	1	Sulfur	247,457	158	11,825
Solano	Tomato, processing	1	Metam-sodium	27,984	3	183
Solano	Tomato, processing	1	Chlorothalonil	19,754	146	9,489
Solano	Tomato, processing	1	S-metolachlor	15,025	186	8,554
Solano	Tomato, processing	1	Carbaryl	5,093	167	7,532
Solano	Grape, wine	2	Sulfur	279,625	1,051	27,977
Solano	Grape, wine	2	Mineral oil	5,747	78	1,389
Solano	Grape, wine	2	Potassium bicarbonate	4,580	38	1,151
Solano	Grape, wine	2	Glyphosate, potassium salt	2,879	104	1,839
Solano	Grape, wine	2	Pendimethalin	2,050	43	867
Solano	Almond	3	Mineral oil	88,665	91	19,380
Solano	Almond	3	Sulfur	47,311	60	3,509
Solano	Almond	3	Glyphosate, isopropylamine salt	24,947	192	10,947

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Solano	Almond	3	Pendimethalin	21,250	78	7,214
Solano	Almond	3	Glufosinate-ammonium	20,288	286	19,936
Solano	Rights of way	4	Copper sulfate (pentahydrate)	28,105	0	0
Solano	Rights of way	4	Glyphosate, isopropylamine salt	18,724	4	1,120
Solano	Rights of way	4	Triclopyr choline	3,006	0	0
Solano	Rights of way	4	Glufosinate-ammonium	2,381	0	0
Solano	Rights of way	4	Triclopyr, triethylamine salt	2,357	0	0
Solano	Alfalfa	5	Glyphosate, potassium salt	31,751	400	18,061
Solano	Alfalfa	5	Ammonium sulfate	2,555	207	9,768
Solano	Alfalfa	5	Glyphosate, isopropylamine salt	2,286	25	1,445
Solano	Alfalfa	5	Clethodim	2,261	205	9,114
Solano	Alfalfa	5	Pendimethalin	1,209	18	686
Sonoma	Grape, wine	1	Sulfur	1,526,122	11,268	242,310
Sonoma	Grape, wine	1	Mineral oil	347,374	3,665	68,870
Sonoma	Grape, wine	1	Lavandulyl senecioate	72,163	895	22,962
Sonoma	Grape, wine	1	Glyphosate, potassium salt	22,326	1,327	19,599
Sonoma	Grape, wine	1	Potassium bicarbonate	17,930	434	6,161
Sonoma	Apple	2	Mineral oil	20,296	104	803
Sonoma	Apple	2	Lime-sulfur	11,789	152	1,280
Sonoma	Apple	2	Kaolin	9,621	36	280
Sonoma	Apple	2	Sulfur	8,538	151	1,188
Sonoma	Apple	2	Bacillus thuringiensis subsp. kurstaki strain: abts-351	632	75	631
Sonoma	Landscape maintenance	3	Prodiamine	30,790	0	0
Sonoma	Landscape maintenance	3	Mineral oil	3,592	0	0
Sonoma	Landscape maintenance	3	Potassium phosphite	2,734	0	0
Sonoma	Landscape maintenance	3	Glyphosate, isopropylamine salt	1,983	1	< 1

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sonoma	Landscape maintenance	3	Sodium percarbonate	1,870	0	0
Sonoma	Structural pest control	4	Sulfuryl fluoride	29,412	0	0
Sonoma	Structural pest control	4	Deltamethrin	4,408	0	0
Sonoma	Structural pest control	4	Bifenthrin	3,000	0	0
Sonoma	Structural pest control	4	Disodium octaborate tetrahydrate	2,864	0	0
Sonoma	Structural pest control	4	Boric acid	1,463	0	0
Sonoma	Rights of way	5	Sodium tetraborate decahydrate	7,382	0	0
Sonoma	Rights of way	5	Glyphosate, isopropylamine salt	5,055	0	0
Sonoma	Rights of way	5	Metam-sodium	1,787	0	0
Sonoma	Rights of way	5	Triclopyr choline	1,596	0	0
Sonoma	Rights of way	5	Isoxaben	462	0	0
Stanislaus	Almond	1	Mineral oil	1,056,592	2,535	158,202
Stanislaus	Almond	1	Glyphosate, isopropylamine salt	250,281	3,337	137,212
Stanislaus	Almond	1	1,3-dichloropropene	217,414	36	675
Stanislaus	Almond	1	Glyphosate, potassium salt	176,290	2,641	93,329
Stanislaus	Almond	1	Chlorothalonil	119,403	802	39,942
Stanislaus	Grape, wine	2	Sulfur	302,039	434	28,280
Stanislaus	Grape, wine	2	Glufosinate-ammonium	6,383	216	5,869
Stanislaus	Grape, wine	2	Glyphosate, potassium salt	4,457	97	2,190
Stanislaus	Grape, wine	2	Lime-sulfur	4,369	1	509
Stanislaus	Grape, wine	2	Pendimethalin	3,531	52	1,029
Stanislaus	Walnut	3	1,3-dichloropropene	57,964	18	250
Stanislaus	Walnut	3	Kaolin	40,415	29	1,287
Stanislaus	Walnut	3	Copper hydroxide	26,049	160	6,049
Stanislaus	Walnut	3	Glyphosate, isopropylamine salt	24,106	472	11,745
Stanislaus	Walnut	3	Glyphosate, potassium salt	21,553	428	10,991
Stanislaus	Tomato, processing	4	Sulfur	126,128	74	5,308

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Stanislaus	Tomato, processing	4	Chlorothalonil	34,068	286	17,284
Stanislaus	Tomato, processing	4	1,3-dichloropropene	33,562	3	282
Stanislaus	Tomato, processing	4	Potassium n-methyldithiocarbamate	12,129	4	236
Stanislaus	Tomato, processing	4	S-metolachlor	4,438	50	2,926
Stanislaus	Animal premise	5	Boric acid	154,256	8	18
Stanislaus	Animal premise	5	Permethrin	545	0	0
Stanislaus	Animal premise	5	Piperonyl butoxide	176	0	0
Stanislaus	Animal premise	5	Novaluron	65	0	0
Stanislaus	Animal premise	5	Beta-cyfluthrin	32	0	0
Sutter	Rice	1	Propanil	490,726	1,171	108,685
Sutter	Rice	1	Copper sulfate (pentahydrate)	187,857	184	14,890
Sutter	Rice	1	Mineral oil	150,512	759	75,416
Sutter	Rice	1	Thiobencarb	98,902	316	29,155
Sutter	Rice	1	Sodium percarbonate	64,374	41	3,173
Sutter	Walnut	2	Copper hydroxide	60,106	431	14,057
Sutter	Walnut	2	Kaolin	43,553	52	1,366
Sutter	Walnut	2	Glyphosate, potassium salt	26,795	580	12,978
Sutter	Walnut	2	Glyphosate, isopropylamine salt	23,867	521	14,410
Sutter	Walnut	2	Mancozeb	23,309	416	13,460
Sutter	Peach	3	Mineral oil	78,620	317	4,611
Sutter	Peach	3	Sulfur	25,835	126	1,787
Sutter	Peach	3	Ziram	24,785	342	5,371
Sutter	Peach	3	1,3-dichloropropene	18,766	8	57
Sutter	Peach	3	Copper hydroxide	18,581	172	2,871
Sutter	Tomato, processing	4	Sulfur	73,086	43	4,143
Sutter	Tomato, processing	4	Kaolin	45,206	18	1,166
Sutter	Tomato, processing	4	Potassium n-methyldithiocarbamate	13,006	3	38

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sutter	Tomato, processing	4	S-metolachlor	10,727	115	6,317
Sutter	Tomato, processing	4	Chlorothalonil	8,430	47	4,284
Sutter	Prune	5	Mineral oil	81,216	236	8,821
Sutter	Prune	5	Chlorothalonil	25,215	199	8,605
Sutter	Prune	5	Sulfur	15,828	25	1,067
Sutter	Prune	5	Glyphosate, potassium salt	7,345	141	2,993
Sutter	Prune	5	Copper hydroxide	5,929	20	1,054
Tehama	Walnut	1	Copper hydroxide	93,078	773	20,713
Tehama	Walnut	1	Mancozeb	36,770	777	20,809
Tehama	Walnut	1	Glyphosate, isopropylamine salt	26,496	869	15,803
Tehama	Walnut	1	Glyphosate, potassium salt	22,910	385	11,109
Tehama	Walnut	1	Ethephon	11,392	217	13,366
Tehama	Soil fumigation/preplant	2	1,3-dichloropropene	165,109	9	501
Tehama	Soil fumigation/preplant	2	Methyl bromide	19,727	7	94
Tehama	Soil fumigation/preplant	2	Chloropicrin	19,511	7	94
Tehama	Soil fumigation/preplant	2	Potassium phosphite	223	7	70
Tehama	Soil fumigation/preplant	2	Fosetyl-al	165	7	41
Tehama	Almond	3	Ziram	29,587	93	5,060
Tehama	Almond	3	Glyphosate, isopropylamine salt	18,904	221	8,124
Tehama	Almond	3	Glyphosate, potassium salt	17,380	237	7,844
Tehama	Almond	3	Mineral oil	15,008	103	4,122
Tehama	Almond	3	Sulfur	14,483	35	2,192
Tehama	Commodity fumigation	4	Sulfuryl fluoride	28,859	0	0
Tehama	Commodity fumigation	4	Propylene oxide	14,721	0	0
Tehama	Commodity fumigation	4	Methyl bromide	7,558	0	0
Tehama	Commodity fumigation	4	Ddvp	101	0	0
Tehama	Commodity fumigation	4	Aluminum phosphide	76	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tehama	Rights of way	5	Copper sulfate (pentahydrate)	16,186	0	0
Tehama	Rights of way	5	Glyphosate, isopropylamine salt	6,948	14	142
Tehama	Rights of way	5	Sodium tetraborate decahydrate	3,686	0	0
Tehama	Rights of way	5	Metam-sodium	3,253	0	0
Tehama	Rights of way	5	Glyphosate, dimethylamine salt	2,904	0	0
Trinity	Forest, timberland	1	Glyphosate, dimethylamine salt	6,260	101	4,222
Trinity	Forest, timberland	1	Glyphosate, isopropylamine salt	2,762	21	1,203
Trinity	Forest, timberland	1	Imazapyr, isopropylamine salt	1,788	58	3,157
Trinity	Forest, timberland	1	Clopyralid, monoethanolamine salt	872	27	1,054
Trinity	Forest, timberland	1	Oxyfluorfen	380	6	262
Trinity	Structural pest control	2	Lambda-cyhalothrin	7	0	0
Trinity	Structural pest control	2	Permethrin	6	0	0
Trinity	Structural pest control	2	Boric acid	4	0	0
Trinity	Structural pest control	2	Fipronil	1	0	0
Trinity	Structural pest control	2	Dinotefuran	< 1	0	0
Trinity	Rights of way	3	Glyphosate, isopropylamine salt	6	0	0
Trinity	Rights of way	3	Diuron	1	0	0
Trinity	Rights of way	3	Isoxaben	< 1	0	0
Trinity	Rights of way	3	Dithiopyr	< 1	0	0
Trinity	Rights of way	3	Indaziflam	< 1	0	0
Trinity	Landscape maintenance	4	Glyphosate, isopropylamine salt	6	0	0
Trinity	Landscape maintenance	4	Sulfometuron-methyl	< 1	0	0
Trinity	Landscape maintenance	4	Indaziflam	< 1	0	0
Trinity	Landscape maintenance	4	Chlorsulfuron	< 1	0	0
Trinity	Landscape maintenance	4	Diphacinone	< 1	0	0
Trinity	Beehive	5	Thymol	< 1	1	0
Tulare	Orange	1	Mineral oil	2,442,069	11,660	216,669

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tulare	Orange	1	Calcium hydroxide	1,833,660	4,055	75,017
Tulare	Orange	1	Copper sulfate (basic)	269,520	3,160	59,986
Tulare	Orange	1	Kaolin	120,513	145	2,430
Tulare	Orange	1	Copper hydroxide	57,214	1,076	16,756
Tulare	Grape	2	Sulfur	1,518,303	5,868	261,631
Tulare	Grape	2	Lime-sulfur	171,677	323	14,485
Tulare	Grape	2	Mineral oil	110,247	445	15,979
Tulare	Grape	2	Copper oxychloride	92,765	897	42,490
Tulare	Grape	2	Sulfur dioxide	56,700	0	10,883
Tulare	Tangerine	3	Mineral oil	765,510	3,476	78,822
Tulare	Tangerine	3	Kaolin	373,022	440	8,553
Tulare	Tangerine	3	Calcium hydroxide	338,362	972	21,422
Tulare	Tangerine	3	Copper sulfate (basic)	74,353	790	17,558
Tulare	Tangerine	3	Glyphosate, potassium salt	28,125	675	15,319
Tulare	Almond	4	Mineral oil	874,779	1,707	94,357
Tulare	Almond	4	Glyphosate, isopropylamine salt	82,359	1,175	50,541
Tulare	Almond	4	Glyphosate, potassium salt	53,048	695	26,121
Tulare	Almond	4	Pendimethalin	43,710	451	15,583
Tulare	Almond	4	Glufosinate-ammonium	40,485	1,091	42,479
Tulare	Lemon	5	Mineral oil	425,050	2,082	32,380
Tulare	Lemon	5	Calcium hydroxide	310,365	772	12,049
Tulare	Lemon	5	Copper sulfate (basic)	41,516	592	9,372
Tulare	Lemon	5	Kaolin	15,701	17	331
Tulare	Lemon	5	Copper hydroxide	8,702	220	2,711
Tuolumne	Forest, timberland	1	Glyphosate, isopropylamine salt	8,868	90	2,084
Tuolumne	Forest, timberland	1	Glyphosate, dimethylamine salt	7,148	91	1,862
Tuolumne	Forest, timberland	1	Imazapyr, isopropylamine salt	503	49	1,003

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tuolumne	Forest, timberland	1	Sodium tetraborate decahydrate	137	2	137
Tuolumne	Forest, timberland	1	Ammonium sulfate	59	23	607
Tuolumne	Rights of way	2	Sodium tetraborate decahydrate	2,265	0	0
Tuolumne	Rights of way	2	Glyphosate, isopropylamine salt	1,452	3	150
Tuolumne	Rights of way	2	Glyphosate, dimethylamine salt	1,055	0	0
Tuolumne	Rights of way	2	Glyphosate, potassium salt	952	0	0
Tuolumne	Rights of way	2	Triclopyr, triethylamine salt	482	0	0
Tuolumne	Landscape maintenance	3	Glyphosate, isopropylamine salt	1,045	0	0
Tuolumne	Landscape maintenance	3	Glufosinate-ammonium	411	0	0
Tuolumne	Landscape maintenance	3	Triclopyr, triethylamine salt	266	0	0
Tuolumne	Landscape maintenance	3	Dithiopyr	221	0	0
Tuolumne	Landscape maintenance	3	Diuron	164	0	0
Tuolumne	Structural pest control	4	Bifenthrin	358	0	0
Tuolumne	Structural pest control	4	Permethrin	234	0	0
Tuolumne	Structural pest control	4	Sulfuryl fluoride	192	0	0
Tuolumne	Structural pest control	4	Deltamethrin	84	0	0
Tuolumne	Structural pest control	4	Imidacloprid	75	0	0
Tuolumne	Water area	5	Copper ethanolamine complexes, mixed	876	0	325
Tuolumne	Water area	5	Copper sulfate (pentahydrate)	141	0	17
Tuolumne	Water area	5	Copper triethanolamine complex	57	0	12
Tuolumne	Water area	5	Copper ethylenediamine complex	50	0	12
Tuolumne	Water area	5	Mesotrione	2	0	< 1
Ventura	Strawberry	1	Chloropicrin	1,792,472	287	10,133
Ventura	Strawberry	1	Potassium n-methyldithiocarbamate	773,417	68	2,937
Ventura	Strawberry	1	1,3-dichloropropene	316,623	56	2,209
Ventura	Strawberry	1	Metam-sodium	188,073	18	789
Ventura	Strawberry	1	Captan	146,782	1,802	87,518

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Ventura	Lemon	2	Mineral oil	805,080	1,359	25,941
Ventura	Lemon	2	Sodium hypochlorite	39,112	0	0
Ventura	Lemon	2	Glyphosate, potassium salt	31,920	1,221	15,489
Ventura	Lemon	2	Calcium hydroxide	27,942	300	7,314
Ventura	Lemon	2	Glyphosate, isopropylamine salt	14,560	884	9,205
Ventura	Pepper, fruiting	3	Potassium n-methyldithiocarbamate	153,353	25	569
Ventura	Pepper, fruiting	3	Cryolite	37,736	147	3,637
Ventura	Pepper, fruiting	3	Chloropicrin	34,678	5	184
Ventura	Pepper, fruiting	3	Kaolin	6,402	6	220
Ventura	Pepper, fruiting	3	Copper sulfate (pentahydrate)	5,739	7	166
Ventura	Avocado	4	Mineral oil	180,969	711	12,328
Ventura	Avocado	4	Glyphosate, isopropylamine salt	20,208	1,750	10,895
Ventura	Avocado	4	Glyphosate, potassium salt	15,151	1,374	9,659
Ventura	Avocado	4	Potassium phosphite	6,374	96	1,718
Ventura	Avocado	4	Carfentrazone-ethyl	1,492	587	4,320
Ventura	Structural pest control	5	Sulfuryl fluoride	83,675	0	0
Ventura	Structural pest control	5	Chlorfenapyr	11,396	0	0
Ventura	Structural pest control	5	Boric acid	3,903	0	0
Ventura	Structural pest control	5	Disodium octaborate tetrahydrate	3,377	0	0
Ventura	Structural pest control	5	Permethrin	1,227	0	0
Yolo	Grape, wine	1	Sulfur	1,434,786	2,737	116,985
Yolo	Grape, wine	1	Mineral oil	38,146	391	10,631
Yolo	Grape, wine	1	Glyphosate, isopropylamine salt	12,373	323	7,098
Yolo	Grape, wine	1	Glufosinate-ammonium	9,314	512	10,437
Yolo	Grape, wine	1	Kaolin	6,317	8	172
Yolo	Tomato, processing	2	Sulfur	230,709	178	12,188
Yolo	Tomato, processing	2	Chlorothalonil	34,966	248	18,273

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yolo	Tomato, processing	2	S-metolachlor	28,939	320	18,112
Yolo	Tomato, processing	2	Kaolin	17,765	12	664
Yolo	Tomato, processing	2	Potassium n-methyldithiocarbamate	13,305	1	75
Yolo	Rice	3	Propanil	121,652	245	25,074
Yolo	Rice	3	Sodium percarbonate	100,271	27	4,363
Yolo	Rice	3	Copper sulfate (pentahydrate)	55,882	31	4,225
Yolo	Rice	3	Thiobencarb	30,228	81	8,963
Yolo	Rice	3	Mineral oil	28,638	136	12,244
Yolo	Almond	4	Glyphosate, potassium salt	33,364	260	14,052
Yolo	Almond	4	Mineral oil	31,254	168	10,328
Yolo	Almond	4	Sulfur	26,768	34	2,118
Yolo	Almond	4	Glyphosate, isopropylamine salt	24,299	334	14,725
Yolo	Almond	4	Chlorothalonil	23,573	114	9,344
Yolo	Uncultivated ag	5	Potassium n-methyldithiocarbamate	176,314	13	1,137
Yolo	Uncultivated ag	5	Glyphosate, isopropylamine salt	42,857	373	28,822
Yolo	Uncultivated ag	5	Glyphosate, potassium salt	17,003	153	9,063
Yolo	Uncultivated ag	5	Fatty acids, methyl esters	10,381	219	14,095
Yolo	Uncultivated ag	5	Ammonium sulfate	4,078	387	27,426
Yuba	Rice	1	Propanil	160,466	547	36,096
Yuba	Rice	1	Copper sulfate (pentahydrate)	63,728	91	4,743
Yuba	Rice	1	Thiobencarb	37,912	143	12,073
Yuba	Rice	1	Sodium chlorate	31,788	68	6,520
Yuba	Rice	1	Mineral oil	29,264	252	16,966
Yuba	Walnut	2	Copper hydroxide	38,573	227	11,027
Yuba	Walnut	2	Kaolin	23,356	46	582
Yuba	Walnut	2	Mancozeb	20,661	213	10,602
Yuba	Walnut	2	Glyphosate, potassium salt	17,450	195	8,536

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yuba	Walnut	2	Glyphosate, isopropylamine salt	8,464	203	5,503
Yuba	Prune	3	Mineral oil	51,938	96	4,699
Yuba	Prune	3	Chlorothalonil	11,648	73	3,994
Yuba	Prune	3	Copper hydroxide	4,446	15	1,402
Yuba	Prune	3	Glyphosate, potassium salt	4,121	45	2,084
Yuba	Prune	3	Glyphosate, isopropylamine salt	2,752	114	2,080
Yuba	Peach	4	Mineral oil	29,328	168	1,953
Yuba	Peach	4	Ziram	8,648	138	1,855
Yuba	Peach	4	Copper hydroxide	6,297	69	935
Yuba	Peach	4	Sulfur	4,465	28	353
Yuba	Peach	4	Cuprous oxide	4,137	55	607
Yuba	Kiwi fruit fuzzy	5	Mineral oil	14,054	296	2,735
Yuba	Kiwi fruit fuzzy	5	Glyphosate, potassium salt	7,442	252	2,131
Yuba	Kiwi fruit fuzzy	5	Pendimethalin	1,748	70	482
Yuba	Kiwi fruit fuzzy	5	Oxyfluorfen	916	71	537
Yuba	Kiwi fruit fuzzy	5	Mefenoxam	677	136	1,930