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

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Alameda	Abamectin	1	Almond	105	26	5,691
Alameda	Abamectin	1	Grape, wine	2	1	110
Alameda	Abamectin	1	Structural pest control	< 1	0	0
Alameda	Abamectin	1	Landscape maintenance	< 1	0	0
Alameda	Abamectin	1	Regulatory pest control	< 1	0	0
Alameda	Hydrogen peroxide	2	Grape, wine	9,286	426	3,347
Alameda	Hydrogen peroxide	2	Cannabis (all or unspecified)	23	245	6
Alameda	Azoxystrobin	3	Almond	638	17	3,077
Alameda	Azoxystrobin	3	Research commodity	< 1	0	0
Alameda	Azoxystrobin	3	Landscape maintenance	73	0	0
Alameda	Sulfur	4	Grape, wine	18,078	280	3,036
Alameda	Sulfur	4	Cannabis (all or unspecified)	29	128	5
Alameda	Sulfur	4	Regulatory pest control	11	0	0
Alameda	Sulfur	4	Landscape maintenance	50	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Alameda	Sulfur	4	Structural pest control	7	0	0
Alameda	Lambda-cyhalothrin	5	Almond	89	10	2,193
Alameda	Lambda-cyhalothrin	5	Pistachio	14	3	360
Alameda	Lambda-cyhalothrin	5	Bean, unspecified	3	3	125
Alameda	Lambda-cyhalothrin	5	Landscape maintenance	< 1	0	0
Alameda	Lambda-cyhalothrin	5	Rights of way	< 1	0	0
Alpine	Pyriproxyfen	1	Cannabis (all or unspecified)	224	1	17
Alpine	Pyriproxyfen	1	Structural pest control	< 1	0	0
Amador	Sulfur	1	Grape, wine	37,529	542	6,578
Amador	Sulfur	1	Rights of way	20	1	5
Amador	Mineral oil	2	Grape, wine	1,901	202	2,832
Amador	Mineral oil	2	Alfalfa	7	3	145
Amador	Mineral oil	2	Forage hay/silage	7	3	142
Amador	Mineral oil	2	Oat (forage - fodder)	2	1	30
Amador	Mineral oil	2	Walnut	17	2	19
Amador	Glyphosate, isopropylamine salt	3	Grape, wine	1,277	113	823
Amador	Glyphosate, isopropylamine salt	3	Alfalfa	349	5	319
Amador	Glyphosate, isopropylamine salt	3	Forest, timberland	275	3	110
Amador	Glyphosate, isopropylamine salt	3	Walnut	54	6	37
Amador	Glyphosate, isopropylamine salt	3	Rights of way	3,818	15	30
Amador	Potassium bicarbonate	4	Forest, timberland	38	47	1,158
Amador	Potassium bicarbonate	4	Grape, wine	289	10	71
Amador	Ammonium sulfate	5	Grape, wine	299	82	636
Amador	Ammonium sulfate	5	Alfalfa	270	11	558
Amador	Ammonium sulfate	5	Walnut	16	1	14
Amador	Ammonium sulfate	5	Ditch bank	1	1	5

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Amador	Ammonium sulfate	5	Structural pest control	< 1	0	0
Butte	Propanil	1	Rice	421,893	1,243	100,575
Butte	Mineral oil	2	Rice	116,956	970	74,673
Butte	Mineral oil	2	Almond	6,494	97	3,781
Butte	Mineral oil	2	Walnut	3,698	92	2,586
Butte	Mineral oil	2	Prune	24,331	55	2,312
Butte	Mineral oil	2	Olive	307	36	1,462
Butte	Ammonium sulfate	3	Walnut	5,961	1,052	33,615
Butte	Ammonium sulfate	3	Rice	7,821	243	21,527
Butte	Ammonium sulfate	3	Almond	2,822	436	16,451
Butte	Ammonium sulfate	3	Uncultivated ag	663	64	4,516
Butte	Ammonium sulfate	3	Prune	552	123	3,474
Butte	Azoxystrobin	4	Rice	10,884	584	53,551
Butte	Azoxystrobin	4	Almond	2,302	246	11,638
Butte	Azoxystrobin	4	Walnut	793	55	4,333
Butte	Azoxystrobin	4	Tomato, processing	213	16	2,109
Butte	Azoxystrobin	4	Prune	256	22	1,364
Butte	Chlorantraniliprole	5	Walnut	2,884	551	32,334
Butte	Chlorantraniliprole	5	Almond	1,760	467	23,886
Butte	Chlorantraniliprole	5	Peach	114	85	1,269
Butte	Chlorantraniliprole	5	Pistachio	64	5	540
Butte	Chlorantraniliprole	5	Sunflower	< 1	2	396
Calaveras	Potassium bicarbonate	1	Forest, timberland	160	135	3,081
Calaveras	Potassium bicarbonate	1	Grape, wine	68	6	31
Calaveras	Alkyl (c10-16) dimethyl amine oxide	2	Forest, timberland	958	135	3,081
Calaveras	Imazapyr, isopropylamine salt	3	Forest, timberland	1,017	110	2,597
Calaveras	Imazapyr, isopropylamine salt	3	Rights of way	627	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Calaveras	Imazapyr, isopropylamine salt	3	Landscape maintenance	8	0	0
Calaveras	Glyphosate, diammonium salt	4	Forest, timberland	7,194	123	2,363
Calaveras	Glyphosate, diammonium salt	4	Rights of way	162	0	0
Calaveras	Glyphosate, isopropylamine salt	5	Forest, timberland	3,321	29	1,095
Calaveras	Glyphosate, isopropylamine salt	5	Grape, wine	357	33	223
Calaveras	Glyphosate, isopropylamine salt	5	Almond	164	4	82
Calaveras	Glyphosate, isopropylamine salt	5	Uncultivated non-ag	57	0	76
Calaveras	Glyphosate, isopropylamine salt	5	Uncultivated ag	69	2	66
Colusa	Azoxystrobin	1	Rice	20,533	1,333	104,258
Colusa	Azoxystrobin	1	Almond	2,846	279	15,925
Colusa	Azoxystrobin	1	Tomato, processing	1,561	250	15,420
Colusa	Azoxystrobin	1	Walnut	573	38	3,089
Colusa	Azoxystrobin	1	Pistachio	536	21	2,624
Colusa	Propanil	2	Rice	525,801	1,580	121,219
Colusa	Citric acid	3	Rice	1,441	576	42,136
Colusa	Citric acid	3	Almond	1,599	883	38,334
Colusa	Citric acid	3	Uncultivated ag	158	189	13,223
Colusa	Citric acid	3	Walnut	689	202	9,352
Colusa	Citric acid	3	Tomato, processing	51	55	3,826
Colusa	Ammonium sulfate	4	Rice	10,956	708	44,599
Colusa	Ammonium sulfate	4	Almond	13,104	653	33,180
Colusa	Ammonium sulfate	4	Uncultivated ag	3,136	255	18,489
Colusa	Ammonium sulfate	4	Walnut	3,162	176	8,354
Colusa	Ammonium sulfate	4	Tomato, processing	351	49	3,211
Colusa	Benzobicyclon	5	Rice	18,455	1,424	104,589
Contra costa	Isopropyl alcohol	1	Corn, human consumption	244	537	13,602
Contra costa	Isopropyl alcohol	1	Alfalfa	32	32	2,028

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Contra costa	Isopropyl alcohol	1	Wheat (forage - fodder)	7	12	1,137
Contra costa	Isopropyl alcohol	1	Uncultivated ag	7	33	1,061
Contra costa	Isopropyl alcohol	1	Tomato, processing	11	19	788
Contra costa	Citric acid	2	Corn, human consumption	761	404	9,710
Contra costa	Citric acid	2	Almond	481	42	3,385
Contra costa	Citric acid	2	Uncultivated ag	138	118	2,520
Contra costa	Citric acid	2	Alfalfa	151	18	2,022
Contra costa	Citric acid	2	Cherry	505	130	1,638
Contra costa	Calcium chloride	3	Corn, human consumption	280	396	9,425
Contra costa	Calcium chloride	3	Almond	162	27	1,693
Contra costa	Calcium chloride	3	Cherry	177	89	1,410
Contra costa	Calcium chloride	3	Tomato, processing	10	11	415
Contra costa	Calcium chloride	3	Grape, wine	10	34	348
Contra costa	Lambda-cyhalothrin	4	Corn, human consumption	230	285	7,180
Contra costa	Lambda-cyhalothrin	4	Almond	80	23	1,998
Contra costa	Lambda-cyhalothrin	4	Alfalfa	35	13	1,122
Contra costa	Lambda-cyhalothrin	4	Cherry	32	51	806
Contra costa	Lambda-cyhalothrin	4	Tomato, processing	10	11	410
Contra costa	Glyphosate, potassium salt	5	Uncultivated ag	8,477	157	4,380
Contra costa	Glyphosate, potassium salt	5	Corn, human consumption	2,009	31	1,257
Contra costa	Glyphosate, potassium salt	5	Tomato, processing	1,554	31	1,056
Contra costa	Glyphosate, potassium salt	5	Alfalfa	1,695	14	922
Contra costa	Glyphosate, potassium salt	5	Almond	1,096	13	907
Del norte	Copper hydroxide	1	N-outdr flower	6,802	538	3,791
Del norte	Copper hydroxide	1	Rights of way	3	0	0
Del norte	Chlorothalonil	2	N-outdr flower	1,725	290	2,044
Del norte	Imazapyr, isopropylamine salt	3	Forest, timberland	977	102	1,754

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Del norte	Iprodione	4	N-outdr flower	354	158	1,182
Del norte	Triclopyr, butoxyethyl ester	5	Forest, timberland	2,042	78	1,124
Del norte	Triclopyr, butoxyethyl ester	5	Landscape maintenance	< 1	0	0
El dorado	Glyphosate, isopropylamine salt	1	Forest, timberland	30,935	375	7,836
El dorado	Glyphosate, isopropylamine salt	1	Grape, wine	2,179	153	1,161
El dorado	Glyphosate, isopropylamine salt	1	Apple	127	13	80
El dorado	Glyphosate, isopropylamine salt	1	Rangeland	150	9	68
El dorado	Glyphosate, isopropylamine salt	1	Christmas tree	170	8	59
El dorado	Potassium bicarbonate	2	Forest, timberland	436	484	7,934
El dorado	Potassium bicarbonate	2	Grape, wine	4	1	10
El dorado	Alkyl (c10-16) dimethyl amine oxide	3	Forest, timberland	2,614	484	7,934
El dorado	Mineral oil	4	Grape, wine	16,733	414	3,754
El dorado	Mineral oil	4	Apple	12,298	153	929
El dorado	Mineral oil	4	Pear	2,356	22	98
El dorado	Mineral oil	4	Peach	1,131	31	96
El dorado	Mineral oil	4	Blueberry	1,093	11	46
El dorado	Sulfur	5	Grape, wine	14,672	505	4,630
El dorado	Sulfur	5	Stone fruit	41	1	9
El dorado	Sulfur	5	Nectarine	42	3	5
El dorado	Sulfur	5	Rangeland	17	1	5
El dorado	Sulfur	5	Peach	20	5	2
Fresno	Sulfur	1	Grape	2,692,924	12,680	409,431
Fresno	Sulfur	1	Grape, wine	1,515,310	2,680	213,517
Fresno	Sulfur	1	Tomato, processing	1,834,920	630	72,345
Fresno	Sulfur	1	Pistachio	172,779	338	44,998
Fresno	Sulfur	1	Almond	175,720	270	23,647
Fresno	Mineral oil	2	Almond	1,975,623	4,244	216,938

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Fresno	Mineral oil	2	Pistachio	295,311	1,288	118,712
Fresno	Mineral oil	2	Peach	557,792	3,012	55,347
Fresno	Mineral oil	2	Orange	589,649	2,299	49,831
Fresno	Mineral oil	2	Tangerine	443,670	1,463	34,892
Fresno	Lambda-cyhalothrin	3	Pistachio	8,309	1,531	182,699
Fresno	Lambda-cyhalothrin	3	Almond	5,455	2,308	137,099
Fresno	Lambda-cyhalothrin	3	Tomato, processing	1,231	362	42,182
Fresno	Lambda-cyhalothrin	3	Cotton	780	245	21,724
Fresno	Lambda-cyhalothrin	3	Tomato	519	301	17,200
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	Grape	22,950	866	19,788
Fresno	Chlorantraniliprole	5	Almond	18,893	3,757	231,849
Fresno	Chlorantraniliprole	5	Pistachio	6,589	791	99,305
Fresno	Chlorantraniliprole	5	Tomato, processing	1,781	237	24,478
Fresno	Chlorantraniliprole	5	Alfalfa	911	225	15,298
Fresno	Chlorantraniliprole	5	Peach	956	514	10,226
Glenn	Ammonium sulfate	1	Rice	31,591	622	37,024
Glenn	Ammonium sulfate	1	Almond	14,583	497	32,612
Glenn	Ammonium sulfate	1	Walnut	6,149	697	13,578
Glenn	Ammonium sulfate	1	Uncultivated ag	765	112	3,587
Glenn	Ammonium sulfate	1	Alfalfa	419	40	2,174
Glenn	Citric acid	2	Almond	9,136	699	57,900
Glenn	Citric acid	2	Walnut	3,206	1,034	20,737
Glenn	Citric acid	2	Rice	1,892	86	4,110

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Glenn	Citric acid	2	Uncultivated ag	44	89	2,398
Glenn	Citric acid	2	Alfalfa	46	30	1,524
Glenn	Azoxystrobin	3	Rice	11,611	896	58,325
Glenn	Azoxystrobin	3	Almond	3,260	262	17,676
Glenn	Azoxystrobin	3	Walnut	513	45	2,648
Glenn	Azoxystrobin	3	Tomato, processing	167	22	1,644
Glenn	Azoxystrobin	3	Pistachio	158	24	737
Glenn	Propanil	4	Rice	368,069	1,393	81,288
Glenn	Chlorantraniliprole	5	Almond	4,161	836	60,892
Glenn	Chlorantraniliprole	5	Walnut	1,046	272	12,497
Glenn	Chlorantraniliprole	5	Alfalfa	78	41	2,177
Glenn	Chlorantraniliprole	5	Sunflower	60	34	1,414
Glenn	Chlorantraniliprole	5	Tomato, processing	46	7	576
Humboldt	Imazapyr, isopropylamine salt	1	Forest, timberland	5,976	437	9,361
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	Uncultivated ag	< 1	1	< 1
Humboldt	Imazapyr, isopropylamine salt	1	Rights of way	261	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	Clopyralid, monoethanolamine salt	3	Forest, timberland	378	114	2,355
Humboldt	Clopyralid, monoethanolamine salt	3	Turf/sod	< 1	0	< 1
Humboldt	Clopyralid, monoethanolamine salt	3	Landscape maintenance	< 1	0	0
Humboldt	Glyphosate, isopropylamine salt	4	Forest, timberland	1,895	52	1,587
Humboldt	Glyphosate, isopropylamine salt	4	Turf/sod	21	0	64
Humboldt	Glyphosate, isopropylamine salt	4	N-grnhs flower	13	25	60

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Humboldt	Glyphosate, isopropylamine salt	4	Uncultivated non-ag	8	0	26
Humboldt	Glyphosate, isopropylamine salt	4	N-grnhs transplants	14	6	12
Humboldt	Sulfometuron-methyl	5	Forest, timberland	91	76	1,732
Humboldt	Sulfometuron-methyl	5	Rights of way	1	0	0
Imperial	Mineral oil	1	Alfalfa	109,425	1,587	106,271
Imperial	Mineral oil	1	Corn, human consumption	60,308	556	42,340
Imperial	Mineral oil	1	Sugarbeet	23,656	332	21,852
Imperial	Mineral oil	1	Bermudagrass	16,113	234	15,674
Imperial	Mineral oil	1	Onion, dry	5,732	221	14,096
Imperial	Lambda-cyhalothrin	2	Alfalfa	4,338	2,182	148,528
Imperial	Lambda-cyhalothrin	2	Corn, human consumption	896	508	32,759
Imperial	Lambda-cyhalothrin	2	Lettuce, leaf	357	555	12,327
Imperial	Lambda-cyhalothrin	2	Lettuce, head	224	303	7,874
Imperial	Lambda-cyhalothrin	2	Broccoli	196	234	6,569
Imperial	Pendimethalin	3	Alfalfa	295,716	2,104	140,961
Imperial	Pendimethalin	3	Onion, dry	7,686	187	10,053
Imperial	Pendimethalin	3	Corn, human consumption	9,853	150	7,316
Imperial	Pendimethalin	3	Carrot	4,720	100	5,139
Imperial	Pendimethalin	3	Potato	844	17	983
Imperial	Clethodim	4	Alfalfa	27,069	1,702	108,675
Imperial	Clethodim	4	Onion, dry	1,753	90	5,110
Imperial	Clethodim	4	Carrot	499	70	3,691
Imperial	Clethodim	4	Broccoli	370	33	1,441
Imperial	Clethodim	4	Sugarbeet	236	18	1,156
Imperial	Polybutene	5	Alfalfa	1,263	721	50,987
Imperial	Polybutene	5	Lettuce, leaf	601	887	20,366
Imperial	Polybutene	5	Sugarbeet	183	104	6,191

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Imperial	Polybutene	5	Onion, dry	201	129	6,139
Imperial	Polybutene	5	Lettuce, head	158	285	5,977
Inyo	Ammonium sulfate	1	Alfalfa	283	6	330
Inyo	Ammonium sulfate	1	Forage hay/silage	8	1	80
Inyo	Ammonium sulfate	1	Rights of way	7	0	0
Inyo	Saflufenacil	2	Alfalfa	9	6	397
Inyo	Hexazinone	3	Alfalfa	127	5	337
Inyo	Trinexapac-ethyl	4	N-grnhs flower	7	0	324
Inyo	Glyphosate, isopropylamine salt	5	Alfalfa	420	5	210
Inyo	Glyphosate, isopropylamine salt	5	Forage hay/silage	160	1	80
Inyo	Glyphosate, isopropylamine salt	5	Pastureland	4	0	3
Inyo	Glyphosate, isopropylamine salt	5	Landscape maintenance	< 1	0	0
Inyo	Glyphosate, isopropylamine salt	5	Rights of way	1,263	0	0
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	Grape	88,199	1,418	42,967
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	Almond	113,726	175	13,290
Kern	Sodium hypochlorite	3	Water (industrial)	5,170	0	550,000
Kern	Sodium hypochlorite	3	Citrus	1,386	0	0
Kern	Sodium hypochlorite	3	Orange	7,542	0	0
Kern	Sodium hypochlorite	3	Food processing plant	8,295	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kern	Sodium hypochlorite	3	Lemon	2,413	0	0
Kern	Glyphosate, potassium salt	4	Almond	453,798	3,725	191,048
Kern	Glyphosate, potassium salt	4	Pistachio	220,222	2,229	112,279
Kern	Glyphosate, potassium salt	4	Corn (forage - fodder)	39,749	611	36,823
Kern	Glyphosate, potassium salt	4	Cotton	47,004	359	29,558
Kern	Glyphosate, potassium salt	4	Alfalfa	19,307	217	14,192
Kern	Ammonium sulfate	5	Almond	96,473	2,713	152,704
Kern	Ammonium sulfate	5	Pistachio	122,957	2,499	124,210
Kern	Ammonium sulfate	5	Cotton	12,301	301	22,638
Kern	Ammonium sulfate	5	Alfalfa	4,095	161	10,829
Kern	Ammonium sulfate	5	Corn (forage - fodder)	1,597	130	9,019
Kings	Propionic acid	1	Cotton	14,534	1,581	387,327
Kings	Propionic acid	1	Safflower	3,809	401	101,606
Kings	Propionic acid	1	Soil fumigation/preplant	5,507	200	41,846
Kings	Propionic acid	1	Pistachio	12,772	252	30,835
Kings	Propionic acid	1	Tomato, processing	716	71	9,900
Kings	Citric acid	2	Cotton	4,471	1,094	200,391
Kings	Citric acid	2	Pistachio	1,899	617	34,909
Kings	Citric acid	2	Rights of way	1,991	114	34,834
Kings	Citric acid	2	Soil fumigation/preplant	848	174	28,965
Kings	Citric acid	2	Almond	1,039	346	13,152
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	Soil fumigation/preplant	42,994	180	27,694
Kings	Glyphosate, potassium salt	3	Almond	46,338	435	21,716
Kings	Glyphosate, potassium salt	3	Corn (forage - fodder)	27,258	352	20,421
Kings	Pyraflufen-ethyl	4	Cotton	270	432	78,265

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kings	Pyraflufen-ethyl	4	Soil fumigation/preplant	156	302	66,116
Kings	Pyraflufen-ethyl	4	Wheat (forage - fodder)	32	281	18,389
Kings	Pyraflufen-ethyl	4	Rights of way	47	69	16,589
Kings	Pyraflufen-ethyl	4	Pistachio	64	261	15,615
Kings	Flonicamid	5	Cotton	15,901	903	183,309
Kings	Flonicamid	5	Safflower	2,410	107	27,537
Kings	Flonicamid	5	Pistachio	353	20	4,031
Kings	Flonicamid	5	Almond	54	24	612
Kings	Flonicamid	5	Soil fumigation/preplant	30	2	338
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	Grape, wine	57,051	348	7,587
Lake	Mineral oil	2	Pear	127,934	255	5,597
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	Grape	85	1	12
Lake	Copper oxychloride	3	Grape, wine	982	127	4,029
Lake	Copper oxychloride	3	Pear	1,984	58	992
Lake	Copper oxychloride	3	Walnut	67	1	70
Lake	Copper oxychloride	3	Landscape maintenance	< 1	0	0
Lake	Streptomycin sulfate	4	Pear	699	204	4,801
Lake	Copper hydroxide	5	Grape, wine	911	129	4,066
Lake	Copper hydroxide	5	Pear	368	43	563

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Lake	Copper hydroxide	5	Walnut	60	1	70
Lake	Copper hydroxide	5	Rights of way	23	0	0
Lake	Copper hydroxide	5	Landscape maintenance	< 1	0	0
Lassen	Glyphosate, isopropylamine salt	1	Forest, timberland	21,459	76	7,353
Lassen	Glyphosate, isopropylamine salt	1	Alfalfa	7,443	75	5,160
Lassen	Glyphosate, isopropylamine salt	1	Forage hay/silage	268	7	223
Lassen	Glyphosate, isopropylamine salt	1	Uncultivated ag	262	9	158
Lassen	Glyphosate, isopropylamine salt	1	Orchardgrass	228	3	116
Lassen	Imazethapyr, ammonium salt	2	Alfalfa	774	81	7,876
Lassen	Imazethapyr, ammonium salt	2	Triticale	32	3	319
Lassen	Imazethapyr, ammonium salt	2	Forage hay/silage	3	1	38
Lassen	Imazethapyr, ammonium salt	2	Wheat	3	1	35
Lassen	Beta-cyfluthrin	3	Alfalfa	162	69	6,960
Lassen	Beta-cyfluthrin	3	Forage hay/silage	11	5	460
Lassen	Beta-cyfluthrin	3	Timothy	< 1	1	32
Lassen	Beta-cyfluthrin	3	Structural pest control	11	0	0
Lassen	Imazapyr, isopropylamine salt	4	Forest, timberland	3,608	67	7,058
Lassen	Imazapyr, isopropylamine salt	4	Landscape maintenance	< 1	0	0
Lassen	Metribuzin	5	Alfalfa	2,338	67	5,943
Lassen	Metribuzin	5	Forage hay/silage	82	4	151
Los angeles	Mefenoxam	1	Carrot	1,311	66	5,833
Los angeles	Mefenoxam	1	N-outdr plants in containers	9	69	50
Los angeles	Mefenoxam	1	N-grnhs flower	13	2	22
Los angeles	Mefenoxam	1	Turf/sod	2	0	5
Los angeles	Mefenoxam	1	N-outdr transplants	1	19	5
Los angeles	Pendimethalin	2	Carrot	1,699	23	1,794

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Los angeles	Pendimethalin	2	Onion, dry	396	47	1,587
Los angeles	Pendimethalin	2	Potato	553	8	778
Los angeles	Pendimethalin	2	Uncultivated ag	118	3	232
Los angeles	Pendimethalin	2	N-outdr plants in containers	166	111	132
Los angeles	Cyazofamid	3	Carrot	585	47	3,763
Los angeles	Cyazofamid	3	N-grnhs flower	9	0	14
Los angeles	Cyazofamid	3	Turf/sod	2	0	2
Los angeles	Cyazofamid	3	N-outdr plants in containers	2	4	< 1
Los angeles	Cyazofamid	3	Landscape maintenance	135	0	0
Los angeles	Glyphosate, isopropylamine salt	4	Alfalfa	2,520	9	1,090
Los angeles	Glyphosate, isopropylamine salt	4	N-outdr plants in containers	4,249	668	1,054
Los angeles	Glyphosate, isopropylamine salt	4	Landscape maintenance	25,211	1	360
Los angeles	Glyphosate, isopropylamine salt	4	Forest, timberland	1,214	0	354
Los angeles	Glyphosate, isopropylamine salt	4	Uncultivated non-ag	46	0	177
Los angeles	Linuron	5	Carrot	766	42	2,761
Los angeles	Linuron	5	Cilantro	54	2	72
Los angeles	Linuron	5	Broccoli	< 1	1	2
Los angeles	Linuron	5	Celery	< 1	1	< 1
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	Pistachio	34,331	65	6,461
Madera	Sulfur	1	Tomato, processing	114,140	72	5,009
Madera	Sulfur	1	Almond	13,162	50	2,225
Madera	Glufosinate-ammonium	2	Almond	137,521	3,154	152,892
Madera	Glufosinate-ammonium	2	Pistachio	55,880	1,280	66,128

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Madera	Glufosinate-ammonium	2	Grape, wine	19,419	579	24,542
Madera	Glufosinate-ammonium	2	Grape	9,964	431	10,225
Madera	Glufosinate-ammonium	2	Corn (forage - fodder)	2,143	103	5,038
Madera	Mineral oil	3	Almond	1,042,858	2,548	141,046
Madera	Mineral oil	3	Pistachio	146,896	436	19,692
Madera	Mineral oil	3	Orange	67,299	371	10,598
Madera	Mineral oil	3	Grape, wine	20,416	184	10,435
Madera	Mineral oil	3	Tangerine	68,375	150	9,356
Madera	Methoxyfenozide	4	Almond	44,418	2,073	128,924
Madera	Methoxyfenozide	4	Pistachio	14,542	439	38,478
Madera	Methoxyfenozide	4	Grape, wine	2,926	135	13,010
Madera	Methoxyfenozide	4	Tomato, processing	857	66	4,395
Madera	Methoxyfenozide	4	Grape	323	32	1,588
Madera	Glyphosate, potassium salt	5	Almond	200,167	2,215	101,859
Madera	Glyphosate, potassium salt	5	Pistachio	99,189	942	46,148
Madera	Glyphosate, potassium salt	5	Grape, wine	23,394	309	10,507
Madera	Glyphosate, potassium salt	5	Corn (forage - fodder)	11,776	152	8,440
Madera	Glyphosate, potassium salt	5	Grape	6,309	163	4,007
Marin	Aminopyralid, triisopropanolamine salt	1	Pastureland	152	6	727
Marin	Aminopyralid, triisopropanolamine salt	1	Rangeland	14	7	68
Marin	Aminopyralid, triisopropanolamine salt	1	Rights of way	64	0	0
Marin	Aminopyralid, triisopropanolamine salt	1	Landscape maintenance	< 1	0	0
Marin	Sulfur	2	Grape, wine	3,018	103	665
Marin	Sulfur	2	Landscape maintenance	< 1	0	0
Marin	Clopyralid, monoethanolamine salt	3	Pastureland	57	5	250
Marin	Clopyralid, monoethanolamine salt	3	Rangeland	3	1	10
Marin	Clopyralid, monoethanolamine salt	3	Landscape maintenance	37	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Marin	Mineral oil	4	Grape, wine	848	51	243
Marin	Mineral oil	4	Olive	< 1	1	7
Marin	Mineral oil	4	Peach	3	1	< 1
Marin	Mineral oil	4	Structural pest control	15	0	0
Marin	Mineral oil	4	Public health	43	0	0
Marin	Diquat dibromide	5	Water area	1,268	0	177
Marin	Diquat dibromide	5	Water (industrial)	24	0	4
Marin	Diquat dibromide	5	Rights of way	72	0	0
Marin	Diquat dibromide	5	Landscape maintenance	23	0	0
Mariposa	Glyphosate, isopropylamine salt	1	Forest, timberland	67	3	37
Mariposa	Glyphosate, isopropylamine salt	1	Uncultivated ag	< 1	1	6
Mariposa	Glyphosate, isopropylamine salt	1	Grape, wine	3	1	4
Mariposa	Glyphosate, isopropylamine salt	1	Rangeland	2	2	3
Mariposa	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	4	13	< 1
Mariposa	Triclopyr, triethylamine salt	2	Forest, timberland	12	13	31
Mariposa	Triclopyr, triethylamine salt	2	Uncultivated ag	< 1	1	6
Mariposa	Triclopyr, triethylamine salt	2	Rangeland	1	2	< 1
Mariposa	Triclopyr, triethylamine salt	2	Landscape maintenance	236	0	0
Mariposa	Triclopyr, triethylamine salt	2	Rights of way	23	0	0
Mariposa	Mineral oil	3	Apple	2	7	28
Mariposa	Mineral oil	3	Uncultivated ag	< 1	1	6
Mariposa	Mineral oil	3	Rights of way	20	0	0
Mariposa	Mineral oil	3	Landscape maintenance	20	0	0
Mariposa	Glyphosate, potassium salt	4	Apple	163	5	20
Mariposa	Glyphosate, potassium salt	4	Grape, wine	22	2	8
Mariposa	Glyphosate, potassium salt	4	N-outdr plants in containers	< 1	2	2

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mariposa	Glyphosate, potassium salt	4	Rights of way	18	0	0
Mariposa	Glyphosate, potassium salt	4	Landscape maintenance	47	0	0
Mariposa	Triclopyr, butoxyethyl ester	5	Forest, timberland	3	5	11
Mariposa	Triclopyr, butoxyethyl ester	5	Uncultivated ag	16	2	10
Mariposa	Triclopyr, butoxyethyl ester	5	Regulatory pest control	< 1	0	0
Mariposa	Triclopyr, butoxyethyl ester	5	Landscape maintenance	< 1	0	0
Mendocino	Sulfur	1	Grape, wine	394,929	2,337	54,442
Mendocino	Sulfur	1	Pear	4,404	9	398
Mendocino	Sulfur	1	Apple	234	5	50
Mendocino	Sulfur	1	N-outdr plants in containers	245	1	20
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	Forest, timberland	7	2	25
Mendocino	Mineral oil	2	Turf/sod	115	0	14
Mendocino	Mineral oil	2	Cannabis (all or unspecified)	42	6	1
Mendocino	Copper oxychloride	3	Grape, wine	4,994	222	7,095
Mendocino	Copper oxychloride	3	Pear	1,314	16	495
Mendocino	Copper oxychloride	3	Peach	12	5	10
Mendocino	Copper oxychloride	3	Olive	1	2	2
Mendocino	Copper oxychloride	3	Landscape maintenance	< 1	0	0
Mendocino	Imazapyr, isopropylamine salt	4	Forest, timberland	4,478	206	7,266
Mendocino	Imazapyr, isopropylamine salt	4	Landscape maintenance	< 1	2	< 1
Mendocino	Imazapyr, isopropylamine salt	4	Rights of way	160	0	0
Mendocino	Copper hydroxide	5	Grape, wine	2,234	206	6,934

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mendocino	Copper hydroxide	5	Pear	32	9	86
Mendocino	Copper hydroxide	5	Peach	11	5	10
Mendocino	Copper hydroxide	5	Olive	1	2	2
Mendocino	Copper hydroxide	5	Rights of way	20	0	0
Merced	Glyphosate, potassium salt	1	Almond	186,532	2,085	108,308
Merced	Glyphosate, potassium salt	1	Cotton	55,295	792	35,031
Merced	Glyphosate, potassium salt	1	Corn (forage - fodder)	37,437	554	25,040
Merced	Glyphosate, potassium salt	1	Pistachio	32,094	411	17,932
Merced	Glyphosate, potassium salt	1	Grape, wine	43,544	203	10,939
Merced	Citric acid	2	Almond	6,675	2,065	100,013
Merced	Citric acid	2	Cotton	609	987	42,426
Merced	Citric acid	2	Corn (forage - fodder)	471	624	30,659
Merced	Citric acid	2	Pistachio	798	290	19,085
Merced	Citric acid	2	Alfalfa	196	291	12,453
Merced	Ammonium sulfate	3	Almond	20,775	1,980	84,990
Merced	Ammonium sulfate	3	Cotton	6,214	690	32,716
Merced	Ammonium sulfate	3	Corn (forage - fodder)	5,347	454	25,012
Merced	Ammonium sulfate	3	Pistachio	3,458	364	17,823
Merced	Ammonium sulfate	3	Tomato, processing	1,749	192	11,915
Merced	Mineral oil	4	Almond	587,680	1,669	102,500
Merced	Mineral oil	4	Cotton	16,448	522	22,858
Merced	Mineral oil	4	Grape, wine	1,044	250	17,143
Merced	Mineral oil	4	Corn (forage - fodder)	9,066	206	12,353
Merced	Mineral oil	4	Pistachio	31,117	166	9,303
Merced	Glufosinate-ammonium	5	Almond	114,113	2,849	115,726
Merced	Glufosinate-ammonium	5	Corn (forage - fodder)	11,113	454	23,330
Merced	Glufosinate-ammonium	5	Grape, wine	23,703	298	21,287

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Merced	Glufosinate-ammonium	5	Pistachio	22,026	484	20,303
Merced	Glufosinate-ammonium	5	Walnut	3,681	123	3,530
Modoc	Metribuzin	1	Alfalfa	5,270	172	10,936
Modoc	Metribuzin	1	Potato	1,248	39	2,553
Modoc	Metribuzin	1	Forage hay/silage	257	18	573
Modoc	Citric acid	2	Alfalfa	67	127	9,341
Modoc	Citric acid	2	Forage hay/silage	14	12	1,072
Modoc	Citric acid	2	Onion, dry	11	17	958
Modoc	Citric acid	2	Uncultivated ag	10	7	456
Modoc	Citric acid	2	Potato	76	7	447
Modoc	Ammonium sulfate	3	Alfalfa	970	123	8,869
Modoc	Ammonium sulfate	3	Forage hay/silage	162	15	1,031
Modoc	Ammonium sulfate	3	Mint	44	4	318
Modoc	Ammonium sulfate	3	Potato	47	3	205
Modoc	Ammonium sulfate	3	Uncultivated ag	23	5	198
Modoc	2,4-d, dimethylamine salt	4	Forage hay/silage	4,298	54	4,107
Modoc	2,4-d, dimethylamine salt	4	Wheat	2,458	35	2,562
Modoc	2,4-d, dimethylamine salt	4	Orchardgrass	1,279	12	1,133
Modoc	2,4-d, dimethylamine salt	4	Uncultivated ag	444	4	363
Modoc	2,4-d, dimethylamine salt	4	Barley	119	2	131
Modoc	Saflufenacil	5	Alfalfa	212	116	7,300
Modoc	Saflufenacil	5	Forage hay/silage	4	5	133
Mono	Pendimethalin	1	Alfalfa	2,658	22	1,380
Mono	Diuron	2	Alfalfa	1,210	30	1,259
Mono	Glyphosate, isopropylamine salt	3	Alfalfa	1,711	11	857
Mono	Glyphosate, isopropylamine salt	3	Rights of way	212	0	0
Mono	Propionic acid	4	Alfalfa	102	11	857

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mono	Hexazinone	5	Alfalfa	112	12	618
Monterey	Spirotetramat	1	Lettuce, leaf	6,273	8,772	83,754
Monterey	Spirotetramat	1	Lettuce, head	3,229	4,032	43,933
Monterey	Spirotetramat	1	Broccoli	3,310	4,059	43,726
Monterey	Spirotetramat	1	Grape, wine	2,964	718	26,876
Monterey	Spirotetramat	1	Cauliflower	1,212	1,670	15,833
Monterey	Lambda-cyhalothrin	2	Lettuce, leaf	2,951	10,445	96,960
Monterey	Lambda-cyhalothrin	2	Lettuce, head	1,967	6,387	65,305
Monterey	Lambda-cyhalothrin	2	Broccoli	1,019	3,210	33,473
Monterey	Lambda-cyhalothrin	2	Brussels sprout	487	1,401	15,970
Monterey	Lambda-cyhalothrin	2	Cauliflower	319	1,245	10,359
Monterey	Spinetoram	3	Lettuce, leaf	3,377	7,042	61,483
Monterey	Spinetoram	3	Lettuce, head	1,906	3,295	35,785
Monterey	Spinetoram	3	Spinach	1,445	2,918	28,538
Monterey	Spinetoram	3	Broccoli	1,724	2,709	28,480
Monterey	Spinetoram	3	Celery	573	1,363	10,159
Monterey	Sulfur	4	Grape, wine	720,930	5,168	156,673
Monterey	Sulfur	4	Strawberry	123,437	1,111	37,011
Monterey	Sulfur	4	Brussels sprout	32,226	788	8,308
Monterey	Sulfur	4	Carrot	33,271	332	5,228
Monterey	Sulfur	4	Peas	13,209	421	3,061
Monterey	Permethrin	5	Lettuce, leaf	9,526	7,551	62,954
Monterey	Permethrin	5	Lettuce, head	5,147	3,300	34,429
Monterey	Permethrin	5	Spinach	4,081	3,425	31,115
Monterey	Permethrin	5	Celery	3,162	2,758	21,023
Monterey	Permethrin	5	Artichoke, globe	3,014	835	10,745
Napa	Sulfur	1	Grape, wine	820,326	8,564	145,171

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Napa	Sulfur	1	Grape	192	7	48
Napa	Sulfur	1	Uncultivated ag	263	9	31
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	Wheat	7	2	380
Napa	Mineral oil	2	Ryegrass	4	1	185
Napa	Mineral oil	2	Grape	212	4	20
Napa	Mineral oil	2	Olive	91	12	15
Napa	Cyflufenamid	3	Grape, wine	551	992	17,498
Napa	Cyflufenamid	3	Uncultivated ag	< 1	2	8
Napa	Lavandulyl senecioate	4	Grape, wine	5,592	1,010	17,495
Napa	Lavandulyl senecioate	4	Olive	< 1	1	1
Napa	Fluopyram	5	Grape, wine	1,670	1,072	15,701
Napa	Fluopyram	5	Landscape maintenance	1	0	0
Nevada	Glyphosate, isopropylamine salt	1	Pastureland	7	3	1,500
Nevada	Glyphosate, isopropylamine salt	1	Grape, wine	301	2	150
Nevada	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	5	0	43
Nevada	Glyphosate, isopropylamine salt	1	Rights of way	2,963	2	5
Nevada	Glyphosate, isopropylamine salt	1	Water area	2	0	5
Nevada	Imazapyr, isopropylamine salt	2	Forest, timberland	579	67	960
Nevada	Imazapyr, isopropylamine salt	2	Rights of way	71	0	0
Nevada	Glyphosate, diammonium salt	3	Forest, timberland	1,606	70	917
Nevada	Fatty acids, methyl esters	4	Forest, timberland	3,417	66	861
Nevada	Triclopyr, triethylamine salt	5	Pastureland	2	1	500
Nevada	Triclopyr, triethylamine salt	5	Water area	< 1	0	3
Nevada	Triclopyr, triethylamine salt	5	Landscape maintenance	9	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Nevada	Triclopyr, triethylamine salt	5	Rights of way	23	0	0
Nevada	Triclopyr, triethylamine salt	5	Forest, timberland	49	0	0
Orange	Acephate	1	N-outdr plants in containers	196	88	11,066
Orange	Acephate	1	N-outdr transplants	2	8	1
Orange	Acephate	1	Regulatory pest control	< 1	0	0
Orange	Acephate	1	Structural pest control	400	0	0
Orange	Acephate	1	Landscape maintenance	205	0	0
Orange	Trinexapac-ethyl	2	Golf course turf	151	0	2,975
Orange	Trinexapac-ethyl	2	N-grnhs flower	5	0	94
Orange	Trinexapac-ethyl	2	N-grnhs plants in containers	2	0	28
Orange	Trinexapac-ethyl	2	N-outdr flower	3	0	25
Orange	Trinexapac-ethyl	2	N-grnhs transplants	< 1	0	3
Orange	Flurprimidol	3	Golf course turf	170	0	1,738
Orange	Flurprimidol	3	N-grnhs flower	2	0	27
Orange	Flurprimidol	3	Landscape maintenance	184	0	0
Orange	Glyphosate, isopropylamine salt	4	N-outdr plants in containers	1,916	386	681
Orange	Glyphosate, isopropylamine salt	4	Lemon	561	19	401
Orange	Glyphosate, isopropylamine salt	4	Avocado	736	54	150
Orange	Glyphosate, isopropylamine salt	4	Uncultivated ag	695	55	76
Orange	Glyphosate, isopropylamine salt	4	Rights of way	14,643	15	50
Orange	Phosphoric acid	5	Strawberry	17	29	870
Orange	Phosphoric acid	5	Bean, succulent	4	11	206
Orange	Phosphoric acid	5	Pumpkin	1	4	66
Orange	Phosphoric acid	5	Water area	< 1	0	12
Orange	Phosphoric acid	5	Squash, summer	< 1	1	6

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Placer	Ammonium sulfate	1	Rice	1,805	65	3,458
Placer	Ammonium sulfate	1	Walnut	1,590	23	1,708
Placer	Ammonium sulfate	1	Almond	960	21	1,568
Placer	Ammonium sulfate	1	Wheat	162	11	1,557
Placer	Ammonium sulfate	1	Forage hay/silage	65	8	692
Placer	Mineral oil	2	Almond	2,308	22	3,750
Placer	Mineral oil	2	Walnut	4,813	26	2,425
Placer	Mineral oil	2	Rice	5,012	45	2,416
Placer	Mineral oil	2	Grape, wine	215	17	144
Placer	Mineral oil	2	Rangeland	6	2	110
Placer	Propanil	3	Rice	30,302	128	7,695
Placer	Citric acid	4	Walnut	95	20	1,671
Placer	Citric acid	4	Almond	53	16	1,574
Placer	Citric acid	4	Wheat	22	11	1,557
Placer	Citric acid	4	Forage hay/silage	9	8	692
Placer	Citric acid	4	Rice	44	7	462
Placer	Glufosinate-ammonium	5	Walnut	4,385	64	4,479
Placer	Glufosinate-ammonium	5	Almond	1,908	25	2,077
Placer	Glufosinate-ammonium	5	Pistachio	182	1	125
Placer	Glufosinate-ammonium	5	Uncultivated ag	43	10	47
Placer	Glufosinate-ammonium	5	Grape, wine	45	8	43
Plumas	Glyphosate, isopropylamine salt	1	Forest, timberland	52,576	168	16,086
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	Uncultivated non-ag	3	0	13
Plumas	Glyphosate, isopropylamine salt	1	N-grnhs flower	4	0	< 1
Plumas	Hexazinone	2	Forest, timberland	22,659	83	14,279

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Plumas	Imazapyr, isopropylamine salt	3	Forest, timberland	4,774	133	12,824
Plumas	Imazapyr, isopropylamine salt	3	Rights of way	11	0	0
Plumas	Potassium bicarbonate	4	Forest, timberland	358	157	10,514
Plumas	Alkyl (c10-16) dimethyl amine oxide	5	Forest, timberland	2,151	157	10,514
Riverside	Citric acid	1	Alfalfa	382	1,619	61,642
Riverside	Citric acid	1	Cotton	101	368	13,464
Riverside	Citric acid	1	Uncultivated ag	22	103	3,459
Riverside	Citric acid	1	Uncultivated non-ag	33	23	2,825
Riverside	Citric acid	1	Onion, dry	18	41	2,281
Riverside	Glyphosate, potassium salt	2	Alfalfa	82,239	1,232	45,451
Riverside	Glyphosate, potassium salt	2	Cotton	25,040	388	14,526
Riverside	Glyphosate, potassium salt	2	Citrus	3,440	59	11,666
Riverside	Glyphosate, potassium salt	2	Uncultivated ag	10,940	177	4,886
Riverside	Glyphosate, potassium salt	2	Uncultivated non-ag	12,030	43	3,704
Riverside	Urea dihydrogen sulfate	3	Alfalfa	161	1,473	56,878
Riverside	Urea dihydrogen sulfate	3	Cotton	5,036	379	14,408
Riverside	Urea dihydrogen sulfate	3	Uncultivated ag	9	99	3,340
Riverside	Urea dihydrogen sulfate	3	Uncultivated non-ag	16	23	2,825
Riverside	Urea dihydrogen sulfate	3	Onion, dry	6	29	1,807
Riverside	Sulfur	4	Grape	127,163	759	25,804
Riverside	Sulfur	4	Alfalfa	143,279	294	17,668
Riverside	Sulfur	4	Carrot	63,846	418	11,744
Riverside	Sulfur	4	Melon	6,550	154	3,549
Riverside	Sulfur	4	Peach	5,726	36	3,523
Riverside	Mineral oil	5	Alfalfa	10,068	597	20,186
Riverside	Mineral oil	5	Lemon	194,951	386	17,248
Riverside	Mineral oil	5	Grape	4,883	213	7,316

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Riverside	Mineral oil	5	Cotton	2,784	145	5,801
Riverside	Mineral oil	5	Grapefruit	73,399	131	5,781
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	Cherry	1,867	18	374
Sacramento	Sulfur	1	Tomato	6,771	6	230
Sacramento	Mineral oil	2	Pear	503,342	1,082	43,431
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	Almond	3,150	45	3,021
Sacramento	Mineral oil	2	Uncultivated ag	604	33	2,296
Sacramento	Ammonium sulfate	3	Grape, wine	6,983	413	10,899
Sacramento	Ammonium sulfate	3	Rice	4,381	86	7,924
Sacramento	Ammonium sulfate	3	Corn, grain	3,578	192	6,074
Sacramento	Ammonium sulfate	3	Uncultivated ag	722	78	3,492
Sacramento	Ammonium sulfate	3	Tomato, processing	508	44	2,856
Sacramento	Glufosinate-ammonium	4	Grape, wine	21,247	907	22,574
Sacramento	Glufosinate-ammonium	4	Walnut	1,753	90	5,142
Sacramento	Glufosinate-ammonium	4	Almond	3,111	103	3,713
Sacramento	Glufosinate-ammonium	4	Pear	1,444	63	1,451
Sacramento	Glufosinate-ammonium	4	Cherry	910	92	915
Sacramento	Abamectin	5	Grape, wine	319	315	18,532
Sacramento	Abamectin	5	Pear	90	97	4,362
Sacramento	Abamectin	5	Tomato, processing	43	30	2,484
Sacramento	Abamectin	5	Almond	48	34	2,294
Sacramento	Abamectin	5	Walnut	7	13	803

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San benito	Propylene glycol	1	Pepper, fruiting	195	216	4,506
San benito	Propylene glycol	1	Cherry	766	88	2,872
San benito	Propylene glycol	1	Lettuce, leaf	91	329	2,393
San benito	Propylene glycol	1	Tomato, processing	31	20	750
San benito	Propylene glycol	1	Uncultivated ag	60	69	736
San benito	Phosphoric acid	2	Lettuce, leaf	70	460	3,333
San benito	Phosphoric acid	2	Grape, wine	123	159	2,788
San benito	Phosphoric acid	2	Lettuce, head	40	238	1,806
San benito	Phosphoric acid	2	Parsley	13	184	613
San benito	Phosphoric acid	2	Kale	17	142	536
San benito	Mineral oil	3	Grape, wine	37,483	592	9,511
San benito	Mineral oil	3	Uncultivated ag	163	101	1,150
San benito	Mineral oil	3	Walnut	534	15	429
San benito	Mineral oil	3	Uncultivated non-ag	86	61	306
San benito	Mineral oil	3	Barley	68	5	260
San benito	Lambda-cyhalothrin	4	Lettuce, leaf	127	542	4,227
San benito	Lambda-cyhalothrin	4	Pepper, fruiting	53	100	1,728
San benito	Lambda-cyhalothrin	4	Lettuce, head	50	193	1,630
San benito	Lambda-cyhalothrin	4	Tomato	43	63	1,411
San benito	Lambda-cyhalothrin	4	Tomato, processing	23	20	742
San benito	Spinetoram	5	Lettuce, leaf	187	538	3,587
San benito	Spinetoram	5	Spinach	163	371	2,904
San benito	Spinetoram	5	Pepper, fruiting	65	57	1,100
San benito	Spinetoram	5	Tomato	49	36	972
San benito	Spinetoram	5	Lettuce, head	30	98	618
San bernardino	Glyphosate, isopropylamine salt	1	Alfalfa	3,641	25	1,808

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San bernardino	Glyphosate, isopropylamine salt	1	Uncultivated ag	652	141	1,440
San bernardino	Glyphosate, isopropylamine salt	1	Corn (forage - fodder)	1,470	33	1,056
San bernardino	Glyphosate, isopropylamine salt	1	Rights of way	41,596	25	761
San bernardino	Glyphosate, isopropylamine salt	1	N-outdr plants in containers	2,640	191	686
San bernardino	Copper sulfate (pentahydrate)	2	Water area	45,249	3	3,457
San bernardino	Copper sulfate (pentahydrate)	2	Landscape maintenance	17	0	0
San bernardino	Glyphosate, potassium salt	3	Orange	1,063	122	2,745
San bernardino	Glyphosate, potassium salt	3	Uncultivated ag	52	15	230
San bernardino	Glyphosate, potassium salt	3	Avocado	108	20	171
San bernardino	Glyphosate, potassium salt	3	Grapefruit	37	13	67
San bernardino	Glyphosate, potassium salt	3	Alfalfa	125	1	66
San bernardino	Mineral oil	4	Orange	8,518	110	889
San bernardino	Mineral oil	4	Corn (forage - fodder)	875	26	746
San bernardino	Mineral oil	4	Golf course turf	2,812	0	144
San bernardino	Mineral oil	4	Alfalfa	19	3	76
San bernardino	Mineral oil	4	Grapefruit	391	9	45

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San bernardino	Strychnine	5	Orange	2	152	1,491
San bernardino	Strychnine	5	Avocado	< 1	15	110
San bernardino	Strychnine	5	Grapefruit	< 1	11	70
San bernardino	Strychnine	5	Stone fruit	< 1	3	18
San bernardino	Strychnine	5	Citrus	< 1	0	7
San diego	Mineral oil	1	Avocado	54,176	166	3,762
San diego	Mineral oil	1	Orange	40,178	149	3,369
San diego	Mineral oil	1	Lemon	41,230	289	2,695
San diego	Mineral oil	1	N-outdr plants in containers	13,528	386	1,412
San diego	Mineral oil	1	Citrus	2,666	69	1,308
San diego	Glyphosate, isopropylamine salt	2	Avocado	2,127	449	4,873
San diego	Glyphosate, isopropylamine salt	2	N-outdr plants in containers	14,855	2,193	4,809
San diego	Glyphosate, isopropylamine salt	2	Citrus	753	57	2,279
San diego	Glyphosate, isopropylamine salt	2	Lemon	1,884	330	1,518
San diego	Glyphosate, isopropylamine salt	2	Orange	1,567	161	1,462
San diego	Propionic acid	3	N-outdr plants in containers	747	1,609	3,826
San diego	Propionic acid	3	N-grnhs flower	473	2,236	2,463
San diego	Propionic acid	3	N-outdr flower	205	934	1,253
San diego	Propionic acid	3	N-grnhs plants in containers	302	678	1,238
San diego	Propionic acid	3	Avocado	25	66	559
San diego	Abamectin	4	Avocado	40	45	1,629

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San diego	Abamectin	4	N-outdr plants in containers	21	844	1,444
San diego	Abamectin	4	Lemon	26	152	1,265
San diego	Abamectin	4	Tomato	26	32	1,233
San diego	Abamectin	4	Orange	24	54	1,133
San diego	Glyphosate, potassium salt	5	Avocado	6,926	657	5,726
San diego	Glyphosate, potassium salt	5	N-outdr plants in containers	1,292	186	774
San diego	Glyphosate, potassium salt	5	Orange	579	71	677
San diego	Glyphosate, potassium salt	5	Guava	708	40	415
San diego	Glyphosate, potassium salt	5	Grapefruit	264	22	212
San francisco	Trinexapac-ethyl	1	Golf course turf	169	0	2,026
San francisco	Trinexapac-ethyl	1	Turf/sod	< 1	0	4
San francisco	Trinexapac-ethyl	1	Landscape maintenance	< 1	0	0
San francisco	Chlorothalonil	2	Golf course turf	4,448	0	613
San francisco	Chlorothalonil	2	Landscape maintenance	< 1	0	0
San francisco	Propiconazole	3	Golf course turf	195	0	417
San francisco	Propiconazole	3	Landscape maintenance	< 1	0	0
San francisco	Propiconazole	3	Structural pest control	< 1	0	0
San francisco	Chlorantraniliprole	4	Golf course turf	50	0	412
San francisco	Chlorantraniliprole	4	Landscape maintenance	1	0	0
San francisco	Chlorantraniliprole	4	Structural pest control	9	0	0
San francisco	Thiophanate-methyl	5	Golf course turf	1,523	0	290
San francisco	Thiophanate-methyl	5	Landscape maintenance	2	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

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San joaquin	Sulfur	1	Almond	30,577	111	4,565
San joaquin	Sulfur	1	Grape	32,646	64	3,153
San joaquin	Abamectin	2	Almond	1,724	1,632	87,312
San joaquin	Abamectin	2	Grape, wine	773	1,271	44,496
San joaquin	Abamectin	2	Walnut	614	685	28,081
San joaquin	Abamectin	2	Tomato, processing	183	223	11,455
San joaquin	Abamectin	2	Cherry	206	431	9,515
San joaquin	Mineral oil	3	Almond	429,564	1,355	67,124
San joaquin	Mineral oil	3	Walnut	23,238	682	22,796
San joaquin	Mineral oil	3	Grape, wine	19,489	699	19,192
San joaquin	Mineral oil	3	Cherry	103,531	823	13,803
San joaquin	Mineral oil	3	Alfalfa	3,555	212	9,859
San joaquin	Citric acid	4	Almond	5,491	1,708	58,573
San joaquin	Citric acid	4	Walnut	4,098	986	29,673
San joaquin	Citric acid	4	Grape, wine	1,884	1,082	20,414
San joaquin	Citric acid	4	Cherry	3,786	1,282	17,511
San joaquin	Citric acid	4	Alfalfa	666	251	10,605
San joaquin	Glyphosate, isopropylamine salt	5	Almond	132,630	1,975	70,247
San joaquin	Glyphosate, isopropylamine salt	5	Grape, wine	37,495	1,193	19,437
San joaquin	Glyphosate, isopropylamine salt	5	Walnut	34,271	911	18,485
San joaquin	Glyphosate, isopropylamine salt	5	Corn (forage - fodder)	17,138	219	14,110
San joaquin	Glyphosate, isopropylamine salt	5	Uncultivated ag	25,947	312	13,717
San luis obispo	Sulfur	1	Grape, wine	395,763	3,089	110,706
San luis obispo	Sulfur	1	Carrot	86,160	140	11,815
San luis obispo	Sulfur	1	Strawberry	46,393	200	6,985

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San luis obispo	Sulfur	1	Grape	20,331	70	3,306
San luis obispo	Sulfur	1	Broccoli	1,125	39	424
San luis obispo	Mineral oil	2	Grape, wine	222,750	1,238	43,084
San luis obispo	Mineral oil	2	Avocado	90,341	178	4,785
San luis obispo	Mineral oil	2	Lemon	78,096	122	3,925
San luis obispo	Mineral oil	2	Strawberry	419	124	3,136
San luis obispo	Mineral oil	2	Blackberry	7,507	80	1,212
San luis obispo	Propylene glycol	3	Grape, wine	2,359	1,217	38,092
San luis obispo	Propylene glycol	3	Strawberry	718	395	11,236
San luis obispo	Propylene glycol	3	Lettuce, head	265	452	4,213
San luis obispo	Propylene glycol	3	Broccoli	91	189	1,901
San luis obispo	Propylene glycol	3	N-outdr flower	26	298	1,244
San luis obispo	Imidacloprid	4	Grape, wine	6,675	416	18,121
San luis obispo	Imidacloprid	4	Broccoli	1,041	291	2,969
San luis obispo	Imidacloprid	4	Lettuce, head	713	269	2,367
San luis obispo	Imidacloprid	4	Cauliflower	616	237	1,945

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San luis obispo	Imidacloprid	4	Lettuce, leaf	557	309	1,840
San luis obispo	Ammonium sulfate	5	Grape, wine	7,629	1,093	17,091
San luis obispo	Ammonium sulfate	5	Strawberry	2,128	143	4,278
San luis obispo	Ammonium sulfate	5	Uncultivated ag	119	55	1,536
San luis obispo	Ammonium sulfate	5	N-outdr flower	36	307	1,399
San luis obispo	Ammonium sulfate	5	Rangeland	21	2	430
San mateo	Lambda-cyhalothrin	1	Brussels sprout	41	118	1,512
San mateo	Lambda-cyhalothrin	1	Fava bean	1	6	32
San mateo	Lambda-cyhalothrin	1	Peas	< 1	2	9
San mateo	Lambda-cyhalothrin	1	Landscape maintenance	2	2	1
San mateo	Lambda-cyhalothrin	1	N-outdr plants in containers	< 1	1	1
San mateo	Spinetoram	2	Brussels sprout	42	68	849
San mateo	Spinetoram	2	Fava bean	2	9	40
San mateo	Spinetoram	2	Leek	< 1	2	12
San mateo	Spinetoram	2	Peas	< 1	2	7
San mateo	Spinetoram	2	Bean, unspecified	< 1	1	5
San mateo	Imidacloprid	3	Brussels sprout	32	58	693
San mateo	Imidacloprid	3	Fava bean	2	10	50
San mateo	Imidacloprid	3	N-grnhs plants in containers	13	25	22
San mateo	Imidacloprid	3	Peas	< 1	3	13
San mateo	Imidacloprid	3	N-grnhs flower	1	9	9

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San mateo	Spirotetramat	4	Brussels sprout	59	62	752
San mateo	Spirotetramat	4	N-grnhs flower	1	13	12
San mateo	Spirotetramat	4	N-grnhs plants in containers	< 1	10	12
San mateo	Spirotetramat	4	Fava bean	< 1	2	10
San mateo	Spirotetramat	4	Landscape maintenance	< 1	12	3
San mateo	Emamectin benzoate	5	Brussels sprout	8	52	642
San mateo	Emamectin benzoate	5	Structural pest control	< 1	0	0
San mateo	Emamectin benzoate	5	Landscape maintenance	3	0	0
Santa barbara	Sulfur	1	Grape, wine	529,497	2,442	97,122
Santa barbara	Sulfur	1	Strawberry	214,986	1,473	46,686
Santa barbara	Sulfur	1	Carrot	35,118	86	7,021
Santa barbara	Sulfur	1	Broccoli	5,470	200	1,748
Santa barbara	Sulfur	1	Peas	32,793	132	1,271
Santa barbara	Propylene glycol	2	Strawberry	3,883	1,238	44,901
Santa barbara	Propylene glycol	2	Grape, wine	2,593	803	39,712
Santa barbara	Propylene glycol	2	Broccoli	238	654	6,764
Santa barbara	Propylene glycol	2	Cauliflower	282	587	6,597
Santa barbara	Propylene glycol	2	N-outdr flower	462	1,248	4,030
Santa barbara	Mineral oil	3	Grape, wine	72,553	672	28,169
Santa barbara	Mineral oil	3	Strawberry	10,159	668	23,485
Santa barbara	Mineral oil	3	Avocado	94,590	292	4,702
Santa barbara	Mineral oil	3	Uncultivated ag	117	31	4,220
Santa barbara	Mineral oil	3	Celery	1,220	272	2,909
Santa barbara	Captan	4	Strawberry	124,298	1,970	68,733
Santa barbara	Captan	4	N-outdr flower	32	3	20
Santa barbara	Captan	4	Blackberry	23	4	13

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa barbara	Captan	4	Raspberry	11	4	6
Santa barbara	Citric acid	5	Strawberry	3,983	668	22,059
Santa barbara	Citric acid	5	Grape, wine	2,584	582	18,096
Santa barbara	Citric acid	5	Broccoli	173	500	5,718
Santa barbara	Citric acid	5	Uncultivated ag	33	78	4,883
Santa barbara	Citric acid	5	Cauliflower	185	307	4,016
Santa clara	Paclobutrazol	1	N-grnhs transplants	12	1,207	62,130
Santa clara	Paclobutrazol	1	Golf course turf	49	0	362
Santa clara	Paclobutrazol	1	N-grnhs plants in containers	2	62	32
Santa clara	Paclobutrazol	1	Tomato	< 1	4	4
Santa clara	Paclobutrazol	1	N-grnhs flower	8	8	3
Santa clara	Daminozide	2	N-grnhs transplants	178	463	20,970
Santa clara	Daminozide	2	N-grnhs plants in containers	59	32	19
Santa clara	Daminozide	2	N-grnhs flower	4	24	5
Santa clara	Daminozide	2	N-outdr flower	7	10	3
Santa clara	Phosphoric acid	3	N-grnhs transplants	6	313	15,300
Santa clara	Phosphoric acid	3	Lettuce, leaf	74	424	3,771
Santa clara	Phosphoric acid	3	Lettuce, head	11	78	545
Santa clara	Phosphoric acid	3	Garlic	7	9	181
Santa clara	Phosphoric acid	3	Cauliflower	7	34	155
Santa clara	Isopropyl alcohol	4	N-grnhs transplants	9	313	15,300
Santa clara	Isopropyl alcohol	4	Tomato	32	39	1,124
Santa clara	Isopropyl alcohol	4	Cherry	103	41	892
Santa clara	Isopropyl alcohol	4	Grape, wine	30	52	457
Santa clara	Isopropyl alcohol	4	Pastureland	2	1	87

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa clara	Propylene glycol	5	Pepper, fruiting	184	234	5,149
Santa clara	Propylene glycol	5	Cherry	701	71	2,831
Santa clara	Propylene glycol	5	Tomato	109	101	2,794
Santa clara	Propylene glycol	5	Corn, human consumption	73	75	1,598
Santa clara	Propylene glycol	5	N-grnhs transplants	< 1	31	1,140
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	1	Strawberry	2,499	201	3,848
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	1	Apple	777	59	1,117
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	1	N-outdr transplants	574	195	877
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	1	Raspberry	562	61	708
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	1	Broccoli	373	108	698
Santa cruz	Pyraclostrobin	2	Strawberry	889	215	5,012
Santa cruz	Pyraclostrobin	2	Raspberry	208	109	1,209
Santa cruz	Pyraclostrobin	2	Blackberry	163	103	921
Santa cruz	Pyraclostrobin	2	Brussels sprout	40	15	228
Santa cruz	Pyraclostrobin	2	Grape, wine	11	18	122
Santa cruz	Spinetoram	3	Strawberry	170	119	2,247
Santa cruz	Spinetoram	3	Raspberry	122	126	1,552
Santa cruz	Spinetoram	3	Lettuce, head	48	93	959
Santa cruz	Spinetoram	3	Lettuce, leaf	50	99	958
Santa cruz	Spinetoram	3	Blackberry	76	81	907
Santa cruz	Mineral oil	4	Blackberry	23,336	268	3,039
Santa cruz	Mineral oil	4	Grape, wine	10,052	231	1,415
Santa cruz	Mineral oil	4	Apple	41,388	56	1,209

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa cruz	Mineral oil	4	Raspberry	168	70	847
Santa cruz	Mineral oil	4	Strawberry	171	40	589
Santa cruz	Azadirachtin	5	Strawberry	86	129	2,601
Santa cruz	Azadirachtin	5	Blackberry	85	137	2,252
Santa cruz	Azadirachtin	5	N-outdr transplants	14	300	608
Santa cruz	Azadirachtin	5	N-grnhs transplants	4	227	173
Santa cruz	Azadirachtin	5	Kale	4	24	155
Shasta	Glyphosate, isopropylamine salt	1	Forest, timberland	19,295	383	11,004
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, isopropylamine salt	1	Forage hay/silage	667	6	227
Shasta	Glyphosate, isopropylamine salt	1	Timothy	805	6	218
Shasta	Imazapyr, isopropylamine salt	2	Forest, timberland	4,740	413	11,320
Shasta	Imazapyr, isopropylamine salt	2	Rights of way	209	0	0
Shasta	Imazapyr, isopropylamine salt	2	Landscape maintenance	3	0	0
Shasta	Glyphosate, diammonium salt	3	Forest, timberland	24,798	262	8,859
Shasta	Glyphosate, diammonium salt	3	Rights of way	1,938	0	0
Shasta	Potassium bicarbonate	4	Forest, timberland	285	168	6,265
Shasta	Potassium bicarbonate	4	Rights of way	84	0	0
Shasta	Alkyl (c10-16) dimethyl amine oxide	5	Forest, timberland	1,708	168	6,265
Shasta	Alkyl (c10-16) dimethyl amine oxide	5	Rights of way	501	0	0
Sierra	Sodium tetraborate decahydrate	1	Forest, timberland	408	8	1,213
Sierra	Sodium tetraborate decahydrate	1	Rights of way	24	0	0
Sierra	Glyphosate, diammonium salt	2	Forest, timberland	3,400	103	957
Sierra	Fatty acids, methyl esters	3	Forest, timberland	2,050	68	923
Sierra	Glyphosate, isopropylamine salt	4	Forest, timberland	486	6	462
Sierra	Glyphosate, isopropylamine salt	4	Grain	273	2	200

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sierra	Glyphosate, isopropylamine salt	4	Alfalfa	73	2	52
Sierra	Glyphosate, isopropylamine salt	4	Uncultivated non-ag	2	0	3
Sierra	Glyphosate, isopropylamine salt	4	Rights of way	888	0	0
Sierra	Imazethapyr, ammonium salt	5	Alfalfa	36	7	356
Siskiyou	Citric acid	1	Alfalfa	630	122	7,898
Siskiyou	Citric acid	1	Forest, timberland	76	57	7,296
Siskiyou	Citric acid	1	Strawberry	144	45	1,193
Siskiyou	Citric acid	1	Wheat	21	8	456
Siskiyou	Citric acid	1	Uncultivated ag	3	5	262
Siskiyou	Glyphosate, isopropylamine salt	2	Forest, timberland	34,674	264	13,361
Siskiyou	Glyphosate, isopropylamine salt	2	Alfalfa	2,653	49	2,489
Siskiyou	Glyphosate, isopropylamine salt	2	Forage hay/silage	131	4	131
Siskiyou	Glyphosate, isopropylamine salt	2	Pastureland	86	2	105
Siskiyou	Glyphosate, isopropylamine salt	2	Uncultivated ag	88	3	80
Siskiyou	Ammonium sulfate	3	Forest, timberland	2,392	52	6,910
Siskiyou	Ammonium sulfate	3	Alfalfa	1,166	106	6,766
Siskiyou	Ammonium sulfate	3	Oat	20	2	267
Siskiyou	Ammonium sulfate	3	Uncultivated ag	32	7	264
Siskiyou	Ammonium sulfate	3	Forage hay/silage	15	4	131
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	Peroxyacetic acid	5	Strawberry	21,950	286	13,850
Siskiyou	Peroxyacetic acid	5	Soil fumigation/preplant	401	3	132
Siskiyou	Peroxyacetic acid	5	N-grnhs plants in containers	1	14	2

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Solano	Ammonium sulfate	1	Uncultivated ag	5,763	373	20,405
Solano	Ammonium sulfate	1	Almond	6,431	292	15,437
Solano	Ammonium sulfate	1	Alfalfa	2,562	185	8,927
Solano	Ammonium sulfate	1	Tomato, processing	1,317	94	4,358
Solano	Ammonium sulfate	1	Grape, wine	2,846	117	4,104
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	Bifenthrin	3	Tomato, processing	1,700	380	20,194
Solano	Bifenthrin	3	Almond	2,231	168	11,565
Solano	Bifenthrin	3	Bean, dried	493	102	5,279
Solano	Bifenthrin	3	Walnut	228	27	1,184
Solano	Bifenthrin	3	Watermelon	21	4	217
Solano	Clethodim	4	Alfalfa	3,322	279	13,424
Solano	Clethodim	4	Almond	1,459	130	11,134
Solano	Clethodim	4	Uncultivated ag	1,096	91	5,259
Solano	Clethodim	4	Grape, wine	356	22	1,973
Solano	Clethodim	4	Tomato, processing	477	15	1,944
Solano	Sulfur	5	Grape, wine	226,562	1,002	24,232
Solano	Sulfur	5	Tomato, processing	187,675	132	9,072
Solano	Sulfur	5	Almond	32,553	40	1,752
Solano	Sulfur	5	Prune	6,840	12	475
Solano	Sulfur	5	Tomato	3,646	3	186
Sonoma	Sulfur	1	Grape, wine	1,568,619	13,775	235,671
Sonoma	Sulfur	1	Apple	6,857	110	799

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sonoma	Sulfur	1	Uncultivated ag	172	1	17
Sonoma	Sulfur	1	Cannabis (all or unspecified)	16	450	14
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	N-outdr plants in containers	124	19	30
Sonoma	Mineral oil	2	Golf course turf	157	0	19
Sonoma	Mineral oil	2	Olive	< 1	7	11
Sonoma	Quinoxyfen	3	Grape, wine	3,355	2,125	34,069
Sonoma	Fluopyram	4	Grape, wine	3,016	1,545	27,844
Sonoma	Fluopyram	4	Landscape maintenance	1	0	0
Sonoma	Cyprodinil	5	Grape, wine	5,830	1,965	27,419
Sonoma	Cyprodinil	5	N-grnhs flower	22	29	79
Sonoma	Cyprodinil	5	N-outdr flower	< 1	1	< 1
Stanislaus	Mineral oil	1	Almond	1,041,045	2,781	163,956
Stanislaus	Mineral oil	1	Walnut	21,109	194	7,128
Stanislaus	Mineral oil	1	Corn (forage - fodder)	3,937	102	4,308
Stanislaus	Mineral oil	1	Grape, wine	828	99	3,003
Stanislaus	Mineral oil	1	N-outdr transplants	1,520	172	2,735
Stanislaus	Abamectin	2	Almond	3,136	2,606	165,341
Stanislaus	Abamectin	2	Walnut	218	274	9,706
Stanislaus	Abamectin	2	Bean, dried	101	92	5,411
Stanislaus	Abamectin	2	Grape, wine	53	54	3,164
Stanislaus	Abamectin	2	Cherry	33	58	1,612
Stanislaus	Glyphosate, isopropylamine salt	3	Almond	255,137	3,237	138,803

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Stanislaus	Glyphosate, isopropylamine salt	3	Corn (forage - fodder)	21,662	407	14,789
Stanislaus	Glyphosate, isopropylamine salt	3	Walnut	24,651	509	11,949
Stanislaus	Glyphosate, isopropylamine salt	3	Tomato, processing	7,605	56	3,493
Stanislaus	Glyphosate, isopropylamine salt	3	Alfalfa	4,652	97	2,952
Stanislaus	Lambda-cyhalothrin	4	Almond	5,371	2,462	141,477
Stanislaus	Lambda-cyhalothrin	4	Tomato, processing	278	168	9,482
Stanislaus	Lambda-cyhalothrin	4	Alfalfa	224	225	7,798
Stanislaus	Lambda-cyhalothrin	4	Walnut	209	175	5,799
Stanislaus	Lambda-cyhalothrin	4	Bean, dried	122	65	4,350
Stanislaus	Glufosinate-ammonium	5	Almond	137,831	3,695	138,546
Stanislaus	Glufosinate-ammonium	5	Walnut	14,714	650	15,047
Stanislaus	Glufosinate-ammonium	5	Corn (forage - fodder)	4,250	261	8,294
Stanislaus	Glufosinate-ammonium	5	Grape, wine	6,803	207	5,328
Stanislaus	Glufosinate-ammonium	5	Cherry	1,975	126	2,099
Sutter	Ammonium sulfate	1	Rice	45,094	799	70,300
Sutter	Ammonium sulfate	1	Uncultivated ag	6,944	348	22,905
Sutter	Ammonium sulfate	1	Walnut	4,751	530	13,096
Sutter	Ammonium sulfate	1	Almond	3,360	203	9,376
Sutter	Ammonium sulfate	1	Prune	1,814	150	3,916
Sutter	Propanil	2	Rice	504,303	1,291	120,783
Sutter	Mineral oil	3	Rice	126,206	607	60,030
Sutter	Mineral oil	3	Prune	81,443	191	7,405
Sutter	Mineral oil	3	Almond	15,524	115	7,034
Sutter	Mineral oil	3	Peach	124,952	424	6,890
Sutter	Mineral oil	3	Walnut	13,694	237	6,507
Sutter	Lambda-cyhalothrin	4	Rice	1,318	519	41,628
Sutter	Lambda-cyhalothrin	4	Peach	246	411	6,513

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sutter	Lambda-cyhalothrin	4	Walnut	214	134	5,337
Sutter	Lambda-cyhalothrin	4	Almond	214	85	5,267
Sutter	Lambda-cyhalothrin	4	Tomato, processing	62	30	2,295
Sutter	Azoxystrobin	5	Rice	7,903	389	37,578
Sutter	Azoxystrobin	5	Almond	1,768	155	8,847
Sutter	Azoxystrobin	5	Tomato, processing	655	79	6,337
Sutter	Azoxystrobin	5	Peach	1,086	319	5,191
Sutter	Azoxystrobin	5	Cantaloupe	91	9	471
Tehama	Citric acid	1	Walnut	3,615	2,243	27,829
Tehama	Citric acid	1	Almond	4,130	282	16,804
Tehama	Citric acid	1	Uncultivated ag	98	410	2,004
Tehama	Citric acid	1	Olive	76	44	937
Tehama	Citric acid	1	Wheat (forage - fodder)	13	3	751
Tehama	Oxyfluorfen	2	Walnut	4,780	1,668	20,717
Tehama	Oxyfluorfen	2	Almond	2,865	317	11,415
Tehama	Oxyfluorfen	2	Prune	334	80	1,507
Tehama	Oxyfluorfen	2	Olive	1,665	73	1,422
Tehama	Oxyfluorfen	2	Uncultivated ag	293	313	1,359
Tehama	Copper hydroxide	3	Walnut	103,505	925	24,184
Tehama	Copper hydroxide	3	Olive	30,714	130	8,589
Tehama	Copper hydroxide	3	Almond	1,173	23	1,695
Tehama	Copper hydroxide	3	Prune	458	8	142
Tehama	Copper hydroxide	3	Uncultivated ag	65	1	20
Tehama	Ammonium sulfate	4	Walnut	10,695	1,351	20,250
Tehama	Ammonium sulfate	4	Almond	2,143	239	7,132
Tehama	Ammonium sulfate	4	Prune	610	72	1,659
Tehama	Ammonium sulfate	4	Uncultivated ag	1,756	375	1,504

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tehama	Ammonium sulfate	4	Olive	255	51	824
Tehama	Mancozeb	5	Walnut	44,075	944	24,588
Tehama	Mancozeb	5	Almond	30,007	143	6,358
Tehama	Mancozeb	5	Uncultivated ag	36	1	20
Trinity	Glyphosate, isopropylamine salt	1	Forest, timberland	6,208	198	4,589
Trinity	Glyphosate, isopropylamine salt	1	None	103	3	66
Trinity	Glyphosate, isopropylamine salt	1	Landscape maintenance	21	0	0
Trinity	Glyphosate, isopropylamine salt	1	Rights of way	1,141	0	0
Trinity	Imazapyr, isopropylamine salt	2	Forest, timberland	2,623	202	4,608
Trinity	Imazapyr, isopropylamine salt	2	Rights of way	63	0	0
Trinity	Clopyralid, monoethanolamine salt	3	Forest, timberland	2,086	69	2,608
Trinity	Glyphosate, diammonium salt	4	Forest, timberland	4,938	94	2,436
Trinity	Glyphosate, diammonium salt	4	Rights of way	595	0	0
Trinity	Indaziflam	5	Forest, timberland	165	50	2,013
Trinity	Indaziflam	5	Rights of way	< 1	0	0
Trinity	Indaziflam	5	Landscape maintenance	< 1	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	Sulfur	2	Grape	1,520,038	6,026	265,214
Tulare	Sulfur	2	Pistachio	145,581	306	25,451
Tulare	Sulfur	2	Grape, wine	97,769	348	15,433
Tulare	Sulfur	2	Peach	17,365	400	5,377
Tulare	Sulfur	2	Nectarine	17,103	441	5,196
Tulare	Glufosinate-ammonium	3	Pistachio	52,184	1,335	56,568

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tulare	Glufosinate-ammonium	3	Corn (forage - fodder)	27,886	984	55,163
Tulare	Glufosinate-ammonium	3	Almond	54,648	1,212	54,469
Tulare	Glufosinate-ammonium	3	Orange	18,271	1,566	26,381
Tulare	Glufosinate-ammonium	3	Grape	23,982	1,051	24,478
Tulare	Glyphosate, isopropylamine salt	4	Corn (forage - fodder)	93,812	1,222	68,334
Tulare	Glyphosate, isopropylamine salt	4	Almond	87,578	1,173	49,479
Tulare	Glyphosate, isopropylamine salt	4	Pistachio	59,255	954	35,485
Tulare	Glyphosate, isopropylamine salt	4	Orange	27,112	1,301	22,618
Tulare	Glyphosate, isopropylamine salt	4	Grape	15,772	344	8,685
Tulare	Citric acid	5	Pistachio	4,271	960	50,993
Tulare	Citric acid	5	Corn (forage - fodder)	2,152	843	47,115
Tulare	Citric acid	5	Almond	3,764	783	38,563
Tulare	Citric acid	5	Tangerine	1,519	1,005	23,872
Tulare	Citric acid	5	Orange	2,453	1,266	21,969
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	Uncultivated non-ag	7	0	25
Tuolumne	Glyphosate, isopropylamine salt	1	Grape, wine	23	3	9
Tuolumne	Glyphosate, isopropylamine salt	1	N-outdr plants in containers	< 1	2	4
Tuolumne	Citric acid	2	Forest, timberland	56	168	3,477
Tuolumne	Citric acid	2	Grape, wine	< 1	2	18
Tuolumne	Citric acid	2	Landscape maintenance	< 1	0	0
Tuolumne	Citric acid	2	Rights of way	3	0	0
Tuolumne	Phosphoric acid	3	Forest, timberland	307	168	3,477
Tuolumne	Phosphoric acid	3	Grape, wine	< 1	1	9
Tuolumne	Phosphoric acid	3	Landscape maintenance	< 1	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tuolumne	Ammonium sulfate	4	Forest, timberland	991	168	3,477
Tuolumne	Ammonium sulfate	4	Grape, wine	< 1	1	9
Tuolumne	Ammonium sulfate	4	Landscape maintenance	105	0	0
Tuolumne	Ammonium sulfate	4	Rights of way	19	0	0
Tuolumne	Glyphosate, diammonium salt	5	Forest, timberland	12,483	166	3,211
Tuolumne	Glyphosate, diammonium salt	5	Rights of way	81	0	0
Ventura	Mineral oil	1	Strawberry	5,645	959	45,026
Ventura	Mineral oil	1	Lemon	865,375	1,209	26,745
Ventura	Mineral oil	1	Avocado	268,914	835	16,933
Ventura	Mineral oil	1	Blackberry	83,565	703	9,352
Ventura	Mineral oil	1	Raspberry	21,456	690	7,639
Ventura	Captan	2	Strawberry	149,567	1,862	90,060
Ventura	Captan	2	Raspberry	1,577	81	761
Ventura	Captan	2	Blackberry	1,183	55	583
Ventura	Captan	2	N-outdr flower	1	2	2
Ventura	Captan, other related	3	Strawberry	2,386	1,312	63,723
Ventura	Propionic acid	4	Strawberry	6,544	851	42,599
Ventura	Propionic acid	4	Cabbage	1,333	296	5,714
Ventura	Propionic acid	4	Celery	171	138	1,855
Ventura	Propionic acid	4	Brussels sprout	151	48	1,258
Ventura	Propionic acid	4	N-outdr plants in containers	213	434	1,119
Ventura	Abamectin	5	Lemon	397	886	19,501
Ventura	Abamectin	5	Avocado	313	677	14,540
Ventura	Abamectin	5	Strawberry	126	157	7,216
Ventura	Abamectin	5	Celery	73	305	4,433
Ventura	Abamectin	5	Pepper, fruiting	56	129	3,224

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Yolo	Ammonium sulfate	1	Uncultivated ag	4,735	604	39,005
Yolo	Ammonium sulfate	1	Almond	6,867	412	21,626
Yolo	Ammonium sulfate	1	Rice	5,198	133	14,539
Yolo	Ammonium sulfate	1	Alfalfa	3,774	209	14,050
Yolo	Ammonium sulfate	1	Pistachio	4,995	249	12,424
Yolo	Sulfur	2	Grape, wine	1,452,015	2,720	122,963
Yolo	Sulfur	2	Tomato, processing	111,737	98	6,351
Yolo	Sulfur	2	Tomato	29,077	24	1,488
Yolo	Sulfur	2	Almond	14,538	20	1,170
Yolo	Sulfur	2	Prune	7,178	17	498
Yolo	Citric acid	3	Uncultivated ag	813	439	27,818
Yolo	Citric acid	3	Almond	1,298	358	17,850
Yolo	Citric acid	3	Rice	338	104	11,722
Yolo	Citric acid	3	Tomato, processing	1,655	144	8,846
Yolo	Citric acid	3	Pistachio	1,958	124	7,710
Yolo	Phosphoric acid	4	Uncultivated ag	519	332	20,707
Yolo	Phosphoric acid	4	Almond	1,070	318	17,991
Yolo	Phosphoric acid	4	Tomato, processing	661	139	10,501
Yolo	Phosphoric acid	4	Rice	227	60	7,579
Yolo	Phosphoric acid	4	Pistachio	603	151	7,084
Yolo	Glyphosate, isopropylamine salt	5	Uncultivated ag	52,322	446	30,649
Yolo	Glyphosate, isopropylamine salt	5	Almond	17,232	181	9,616
Yolo	Glyphosate, isopropylamine salt	5	Grape, wine	12,107	324	6,690
Yolo	Glyphosate, isopropylamine salt	5	Alfalfa	6,619	65	4,726
Yolo	Glyphosate, isopropylamine salt	5	Pistachio	10,884	118	4,604
Yuba	Propanil	1	Rice	187,202	718	45,401
Yuba	Lambda-cyhalothrin	2	Rice	621	430	23,909

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Yuba	Lambda-cyhalothrin	2	Walnut	133	39	3,450
Yuba	Lambda-cyhalothrin	2	Peach	92	207	2,444
Yuba	Lambda-cyhalothrin	2	Almond	19	13	492
Yuba	Lambda-cyhalothrin	2	Prune	5	2	143
Yuba	Ammonium sulfate	3	Rice	10,022	275	16,033
Yuba	Ammonium sulfate	3	Walnut	1,342	143	5,700
Yuba	Ammonium sulfate	3	Almond	524	32	2,184
Yuba	Ammonium sulfate	3	Prune	358	44	1,457
Yuba	Ammonium sulfate	3	Corn (forage - fodder)	518	15	734
Yuba	Mineral oil	4	Rice	16,583	155	12,433
Yuba	Mineral oil	4	Walnut	48,726	71	3,820
Yuba	Mineral oil	4	Prune	40,441	71	2,902
Yuba	Mineral oil	4	Almond	3,032	34	2,569
Yuba	Mineral oil	4	Peach	31,957	165	1,875
Yuba	Benzobicyclon	5	Rice	5,749	374	24,096