

The Top Five Chemicals by Acres Treated in each County in 2023 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	Sulfur	1	Grape, wine	25,371	521	6,747
Alameda	Sulfur	1	Cannabis (all or unspecified)	30	92	5
Alameda	Sulfur	1	Regulatory pest control	5	0	0
Alameda	Sulfur	1	Structural pest control	< 1	0	0
Alameda	Sulfur	1	Rights of way	< 1	0	0
Alameda	Abamectin	2	Almond	77	22	4,793
Alameda	Abamectin	2	Grape, wine	1	6	64
Alameda	Abamectin	2	Structural pest control	< 1	0	0
Alameda	Abamectin	2	Research commodity	< 1	0	0
Alameda	Abamectin	2	Regulatory pest control	< 1	0	0
Alameda	Glyphosate, isopropylamine salt	3	Almond	4,832	21	3,234
Alameda	Glyphosate, isopropylamine salt	3	Grape, wine	1,868	280	885
Alameda	Glyphosate, isopropylamine salt	3	Olive	220	5	310
Alameda	Glyphosate, isopropylamine salt	3	Pistachio	218	2	109
Alameda	Glyphosate, isopropylamine salt	3	Uncultivated non-ag	10	0	56

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Alameda	Ammonium sulfate	4	Almond	910	12	2,365
Alameda	Ammonium sulfate	4	Grape, wine	452	98	484
Alameda	Ammonium sulfate	4	Olive	40	5	310
Alameda	Ammonium sulfate	4	Water area	1	0	220
Alameda	Ammonium sulfate	4	Rights of way	29	3	11
Alameda	Glufosinate-ammonium	5	Almond	1,932	10	2,193
Alameda	Glufosinate-ammonium	5	Grape, wine	1,251	244	946
Alameda	Glufosinate-ammonium	5	Pistachio	3	6	50
Alameda	Glufosinate-ammonium	5	Olive	7	1	30
Alameda	Glufosinate-ammonium	5	Uncultivated ag	3	4	3
Alpine	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	< 1	0	10
Alpine	Glyphosate, isopropylamine salt	1	Landscape maintenance	< 1	0	0
Alpine	Glyphosate, isopropylamine salt	1	Rights of way	100	0	0
Amador	Sulfur	1	Grape, wine	61,533	769	9,157
Amador	Sulfur	1	Structural pest control	2	0	0
Amador	Mineral oil	2	Grape, wine	9,258	305	3,444
Amador	Mineral oil	2	Wheat (forage - fodder)	21	6	347
Amador	Mineral oil	2	Forage hay/silage	5	3	120
Amador	Mineral oil	2	Alfalfa	2	1	40
Amador	Mineral oil	2	Walnut	25	3	25
Amador	Tebuconazole	3	Grape, wine	212	230	2,244
Amador	Tebuconazole	3	Landscape maintenance	1	0	0
Amador	Glyphosate, dimethylamine salt	4	Forest, timberland	5,109	68	1,423
Amador	Glyphosate, dimethylamine salt	4	Uncultivated non-ag	36	1	70
Amador	Glyphosate, dimethylamine salt	4	Rights of way	10	0	0
Amador	Ammonium sulfate	5	Grape, wine	340	158	867
Amador	Ammonium sulfate	5	Alfalfa	289	8	387

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Amador	Ammonium sulfate	5	Wheat (forage - fodder)	23	1	78
Amador	Ammonium sulfate	5	Walnut	16	1	14
Amador	Ammonium sulfate	5	Landscape maintenance	26	1	2
Butte	Mineral oil	1	Rice	203,648	1,451	121,583
Butte	Mineral oil	1	Walnut	12,233	280	8,508
Butte	Mineral oil	1	Almond	7,092	133	4,821
Butte	Mineral oil	1	Prune	25,717	59	2,166
Butte	Mineral oil	1	Olive	287	12	1,184
Butte	Propanil	2	Rice	581,359	1,655	139,054
Butte	Ammonium sulfate	3	Walnut	7,019	1,089	41,534
Butte	Ammonium sulfate	3	Rice	12,028	409	37,550
Butte	Ammonium sulfate	3	Almond	3,179	428	17,999
Butte	Ammonium sulfate	3	Prune	1,015	150	4,447
Butte	Ammonium sulfate	3	Uncultivated ag	226	41	1,385
Butte	Azoxystrobin	4	Rice	16,700	897	82,409
Butte	Azoxystrobin	4	Almond	2,461	233	12,607
Butte	Azoxystrobin	4	Walnut	598	54	3,422
Butte	Azoxystrobin	4	Tomato, processing	300	17	2,963
Butte	Azoxystrobin	4	Prune	166	14	862
Butte	Triclopyr, triethylamine salt	5	Rice	12,982	863	73,771
Butte	Triclopyr, triethylamine salt	5	Forest, timberland	3,273	6	967
Butte	Triclopyr, triethylamine salt	5	Water area	62	2	93
Butte	Triclopyr, triethylamine salt	5	Uncultivated non-ag	14	1	23
Butte	Triclopyr, triethylamine salt	5	Uncultivated ag	11	1	5
Calaveras	Sulfur	1	Grape, wine	10,087	225	2,347
Calaveras	Glyphosate, dimethylamine salt	2	Forest, timberland	9,064	128	2,267
Calaveras	Glyphosate, dimethylamine salt	2	Rights of way	88	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Calaveras	Citric acid	3	Grape, wine	32	169	1,069
Calaveras	Citric acid	3	Forest, timberland	33	31	443
Calaveras	Citric acid	3	Walnut	36	2	162
Calaveras	Citric acid	3	Forage hay/silage	< 1	3	52
Calaveras	Citric acid	3	Almond	< 1	1	22
Calaveras	Phosphoric acid	4	Grape, wine	22	179	1,098
Calaveras	Phosphoric acid	4	Forest, timberland	185	31	443
Calaveras	Phosphoric acid	4	Forage hay/silage	1	3	52
Calaveras	Phosphoric acid	4	Walnut	2	1	47
Calaveras	Phosphoric acid	4	Almond	1	1	22
Calaveras	Tebuconazole	5	Grape, wine	90	87	896
Calaveras	Tebuconazole	5	Cherry	10	2	61
Colusa	Phosphoric acid	1	Almond	2,509	524	44,756
Colusa	Phosphoric acid	1	Rice	1,121	579	36,554
Colusa	Phosphoric acid	1	Tomato, processing	1,788	430	26,774
Colusa	Phosphoric acid	1	Uncultivated ag	380	256	19,112
Colusa	Phosphoric acid	1	Walnut	456	140	7,487
Colusa	Azoxystrobin	2	Rice	17,744	1,270	96,166
Colusa	Azoxystrobin	2	Almond	4,687	383	24,417
Colusa	Azoxystrobin	2	Tomato, processing	1,527	227	15,146
Colusa	Azoxystrobin	2	Walnut	364	20	2,148
Colusa	Azoxystrobin	2	Tomato	19	3	186
Colusa	Ammonium sulfate	3	Almond	20,065	697	50,745
Colusa	Ammonium sulfate	3	Rice	9,641	640	38,752
Colusa	Ammonium sulfate	3	Uncultivated ag	2,899	303	23,140
Colusa	Ammonium sulfate	3	Walnut	3,138	184	8,758
Colusa	Ammonium sulfate	3	Tomato, processing	438	43	2,502

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Colusa	Propanil	4	Rice	582,465	1,587	119,975
Colusa	Citric acid	5	Almond	1,961	820	55,257
Colusa	Citric acid	5	Rice	370	348	20,149
Colusa	Citric acid	5	Uncultivated ag	225	259	19,288
Colusa	Citric acid	5	Walnut	354	167	8,614
Colusa	Citric acid	5	Pistachio	152	96	3,103
Contra costa	Isopropyl alcohol	1	Corn, human consumption	211	471	11,652
Contra costa	Isopropyl alcohol	1	Tomato, processing	46	79	3,107
Contra costa	Isopropyl alcohol	1	Uncultivated ag	19	70	2,431
Contra costa	Isopropyl alcohol	1	Cherry	60	69	909
Contra costa	Isopropyl alcohol	1	Wheat (forage - fodder)	5	8	908
Contra costa	Citric acid	2	Corn, human consumption	589	358	8,073
Contra costa	Citric acid	2	Uncultivated ag	165	54	2,030
Contra costa	Citric acid	2	Almond	261	27	1,498
Contra costa	Citric acid	2	Cherry	587	127	1,448
Contra costa	Citric acid	2	Alfalfa	62	13	1,238
Contra costa	Sulfur	3	Tomato, processing	125,011	147	5,763
Contra costa	Sulfur	3	Grape, wine	73,589	369	5,200
Contra costa	Sulfur	3	Almond	8,000	3	1,000
Contra costa	Sulfur	3	Peach	1,115	25	184
Contra costa	Sulfur	3	Nectarine	681	18	114
Contra costa	Calcium chloride	4	Corn, human consumption	222	358	8,073
Contra costa	Calcium chloride	4	Cherry	199	81	1,122
Contra costa	Calcium chloride	4	Almond	81	15	906
Contra costa	Calcium chloride	4	Uncultivated ag	10	18	650
Contra costa	Calcium chloride	4	Tomato, processing	19	10	543
Contra costa	Lambda-cyhalothrin	5	Corn, human consumption	216	266	6,696

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Contra costa	Lambda-cyhalothrin	5	Tomato, processing	36	26	1,200
Contra costa	Lambda-cyhalothrin	5	Almond	37	20	936
Contra costa	Lambda-cyhalothrin	5	Cherry	35	60	912
Contra costa	Lambda-cyhalothrin	5	Alfalfa	25	10	830
Del norte	Copper hydroxide	1	N-outdr flower	6,959	446	3,918
Del norte	Copper hydroxide	1	Rights of way	3	0	0
Del norte	Chlorothalonil	2	N-outdr flower	1,625	244	1,910
Del norte	Chlorothalonil	2	N-outdr plants in containers	1	1	< 1
Del norte	Imazapyr, isopropylamine salt	3	Forest, timberland	944	98	1,765
Del norte	Iprodione	4	N-outdr flower	262	94	854
Del norte	Triclopyr, butoxyethyl ester	5	Forest, timberland	1,109	41	593
Del norte	Triclopyr, butoxyethyl ester	5	Rights of way	9	0	0
El dorado	Glyphosate, dimethylamine salt	1	Forest, timberland	45,762	575	13,728
El dorado	Glyphosate, dimethylamine salt	1	Rights of way	686	1	< 1
El dorado	Glyphosate, dimethylamine salt	1	Research commodity	3	0	0
El dorado	Potassium bicarbonate	2	Forest, timberland	449	390	9,171
El dorado	Potassium bicarbonate	2	Grape, wine	82	6	26
El dorado	Alkyl (c10-16) dimethyl amine oxide	3	Forest, timberland	2,695	390	9,171
El dorado	Imazapyr, isopropylamine salt	4	Forest, timberland	4,427	358	9,042
El dorado	Imazapyr, isopropylamine salt	4	Rights of way	262	0	0
El dorado	Imazapyr, isopropylamine salt	4	Landscape maintenance	4	0	0
El dorado	Imazapyr, isopropylamine salt	4	Regulatory pest control	26	0	0
El dorado	Clopyralid, monoethanolamine salt	5	Forest, timberland	2,129	169	7,171
El dorado	Clopyralid, monoethanolamine salt	5	Rangeland	5	7	36
El dorado	Clopyralid, monoethanolamine salt	5	Pastureland	< 1	3	16
El dorado	Clopyralid, monoethanolamine salt	5	Uncultivated non-ag	< 1	0	2

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
El dorado	Clopyralid, monoethanolamine salt	5	Landscape maintenance	22	0	0
Fresno	Sulfur	1	Grape	2,806,315	12,226	396,095
Fresno	Sulfur	1	Grape, wine	1,403,019	2,421	201,587
Fresno	Sulfur	1	Tomato, processing	2,432,465	893	110,882
Fresno	Sulfur	1	Pistachio	198,339	423	59,030
Fresno	Sulfur	1	Peach	57,403	819	18,818
Fresno	Mineral oil	2	Almond	2,115,188	4,914	268,037
Fresno	Mineral oil	2	Pistachio	645,237	1,385	122,868
Fresno	Mineral oil	2	Peach	559,323	3,130	74,854
Fresno	Mineral oil	2	Orange	527,795	2,173	45,553
Fresno	Mineral oil	2	Nectarine	323,110	2,120	44,571
Fresno	Lambda-cyhalothrin	3	Pistachio	9,585	1,916	241,299
Fresno	Lambda-cyhalothrin	3	Almond	4,945	1,807	123,099
Fresno	Lambda-cyhalothrin	3	Tomato, processing	2,046	592	70,275
Fresno	Lambda-cyhalothrin	3	Cotton	911	261	24,686
Fresno	Lambda-cyhalothrin	3	Lettuce, head	492	860	21,654
Fresno	Chlorantraniliprole	4	Almond	19,133	3,701	226,604
Fresno	Chlorantraniliprole	4	Pistachio	8,085	904	114,033
Fresno	Chlorantraniliprole	4	Tomato, processing	2,832	350	41,022
Fresno	Chlorantraniliprole	4	Alfalfa	789	262	15,534
Fresno	Chlorantraniliprole	4	Peach	960	511	11,399
Fresno	Methoxyfenozide	5	Almond	76,933	3,397	217,527
Fresno	Methoxyfenozide	5	Pistachio	46,422	1,030	121,182
Fresno	Methoxyfenozide	5	Grape, wine	4,673	304	23,595
Fresno	Methoxyfenozide	5	Grape	4,036	615	21,963
Fresno	Methoxyfenozide	5	Tomato, processing	3,449	124	15,602
Glenn	Azoxystrobin	1	Rice	12,670	1,004	63,880

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Glenn	Azoxystrobin	1	Almond	6,578	457	36,917
Glenn	Azoxystrobin	1	Tomato, processing	274	52	2,675
Glenn	Azoxystrobin	1	Walnut	401	36	2,067
Glenn	Azoxystrobin	1	Pistachio	316	37	1,317
Glenn	Propanil	2	Rice	427,236	1,459	90,402
Glenn	Propanil	2	Uncultivated ag	1,020	3	170
Glenn	Propanil	2	Oat (forage - fodder)	120	2	144
Glenn	Propanil	2	Forage hay/silage	106	2	27
Glenn	Ammonium sulfate	3	Rice	15,789	720	45,514
Glenn	Ammonium sulfate	3	Almond	8,017	505	18,321
Glenn	Ammonium sulfate	3	Walnut	3,910	689	12,838
Glenn	Ammonium sulfate	3	Uncultivated ag	914	174	4,691
Glenn	Ammonium sulfate	3	Alfalfa	1,598	25	1,388
Glenn	Chlorantraniliprole	4	Almond	3,513	768	53,036
Glenn	Chlorantraniliprole	4	Walnut	998	224	11,929
Glenn	Chlorantraniliprole	4	Alfalfa	157	105	5,645
Glenn	Chlorantraniliprole	4	Sunflower	96	43	2,172
Glenn	Chlorantraniliprole	4	Tomato, processing	154	32	2,011
Glenn	Triclopyr, triethylamine salt	5	Rice	12,044	1,053	65,967
Glenn	Triclopyr, triethylamine salt	5	Uncultivated ag	55	8	196
Glenn	Triclopyr, triethylamine salt	5	Oat (forage - fodder)	14	1	72
Glenn	Triclopyr, triethylamine salt	5	Forage hay/silage	5	2	27
Glenn	Triclopyr, triethylamine salt	5	Water area	32	5	15
Humboldt	Imazapyr, isopropylamine salt	1	Forest, timberland	3,547	339	7,062
Humboldt	Imazapyr, isopropylamine salt	1	Uncultivated ag	< 1	6	3
Humboldt	Imazapyr, isopropylamine salt	1	N-grnhs plants in containers	< 1	1	1

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Humboldt	Triclopyr, butoxyethyl ester	2	Forest, timberland	3,098	123	2,447
Humboldt	Triclopyr, butoxyethyl ester	2	N-grnhs flower	1	0	6
Humboldt	Triclopyr, butoxyethyl ester	2	Turf/sod	< 1	0	1
Humboldt	Triclopyr, butoxyethyl ester	2	Rights of way	< 1	0	0
Humboldt	Glyphosate, dimethylamine salt	3	Forest, timberland	1,657	66	1,551
Humboldt	Glyphosate, dimethylamine salt	3	Rights of way	15	0	0
Humboldt	Clopyralid, monoethanolamine salt	4	Forest, timberland	231	72	1,416
Humboldt	Clopyralid, monoethanolamine salt	4	Landscape maintenance	< 1	0	0
Humboldt	Sulfometuron-methyl	5	Forest, timberland	66	53	1,061
Humboldt	Sulfometuron-methyl	5	Rights of way	2	0	0
Imperial	Mineral oil	1	Alfalfa	124,895	2,145	129,280
Imperial	Mineral oil	1	Corn, human consumption	52,335	553	38,175
Imperial	Mineral oil	1	Sugarbeet	36,952	423	29,063
Imperial	Mineral oil	1	Bermudagrass	19,281	279	19,555
Imperial	Mineral oil	1	Onion, dry	14,447	224	15,048
Imperial	Lambda-cyhalothrin	2	Alfalfa	4,272	2,262	148,379
Imperial	Lambda-cyhalothrin	2	Corn, human consumption	891	539	33,363
Imperial	Lambda-cyhalothrin	2	Lettuce, leaf	531	772	18,614
Imperial	Lambda-cyhalothrin	2	Broccoli	296	263	10,179
Imperial	Lambda-cyhalothrin	2	Lettuce, head	275	392	9,910
Imperial	Pendimethalin	3	Alfalfa	325,906	2,393	158,929
Imperial	Pendimethalin	3	Onion, dry	13,554	288	17,911
Imperial	Pendimethalin	3	Corn, human consumption	8,478	117	6,330
Imperial	Pendimethalin	3	Carrot	5,245	108	5,945
Imperial	Pendimethalin	3	Potato	791	14	949
Imperial	Clethodim	4	Alfalfa	26,325	2,013	115,001
Imperial	Clethodim	4	Onion, dry	1,081	90	4,905

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Imperial	Clethodim	4	Carrot	454	64	3,590
Imperial	Clethodim	4	Broccoli	327	52	2,522
Imperial	Clethodim	4	Rapini	114	18	1,267
Imperial	Flupyradifurone	5	Alfalfa	10,152	1,365	88,659
Imperial	Flupyradifurone	5	Lettuce, leaf	1,126	234	7,594
Imperial	Flupyradifurone	5	Cabbage	335	91	2,099
Imperial	Flupyradifurone	5	Lettuce, head	291	69	2,058
Imperial	Flupyradifurone	5	Wheat	250	22	1,925
Inyo	Hexazinone	1	Alfalfa	155	11	412
Inyo	Diuron	2	Alfalfa	146	10	292
Inyo	Diuron	2	Rights of way	2	0	0
Inyo	Trinexapac-ethyl	3	N-grnhs flower	19	0	271
Inyo	Glyphosate, isopropylamine salt	4	Alfalfa	530	4	265
Inyo	Glyphosate, isopropylamine salt	4	Rights of way	1,030	0	0
Inyo	Ammonium sulfate	5	Alfalfa	33	4	265
Kern	Sulfur	1	Grape	2,655,903	10,216	476,285
Kern	Sulfur	1	Grape, wine	608,504	859	95,220
Kern	Sulfur	1	Pistachio	744,644	760	92,591
Kern	Sulfur	1	Almond	344,215	601	42,628
Kern	Sulfur	1	Carrot	191,399	503	31,795
Kern	Mineral oil	2	Almond	2,293,483	3,546	302,524
Kern	Mineral oil	2	Orange	1,392,829	2,567	102,157
Kern	Mineral oil	2	Tangerine	917,239	1,297	61,828
Kern	Mineral oil	2	Pistachio	353,328	817	57,040
Kern	Mineral oil	2	Grape	85,593	1,288	42,059
Kern	Glyphosate, potassium salt	3	Almond	452,646	3,975	211,839
Kern	Glyphosate, potassium salt	3	Pistachio	260,973	2,558	128,970

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kern	Glyphosate, potassium salt	3	Corn (forage - fodder)	36,247	538	32,063
Kern	Glyphosate, potassium salt	3	Orange	23,979	479	26,433
Kern	Glyphosate, potassium salt	3	Tangerine	31,778	346	16,761
Kern	Ammonium sulfate	4	Almond	116,327	2,906	171,362
Kern	Ammonium sulfate	4	Pistachio	109,807	2,265	108,193
Kern	Ammonium sulfate	4	Cotton	2,362	196	12,075
Kern	Ammonium sulfate	4	Pomegranate	16,357	220	10,971
Kern	Ammonium sulfate	4	Alfalfa	3,845	166	10,215
Kern	Chlorantraniliprole	5	Almond	12,906	1,802	151,671
Kern	Chlorantraniliprole	5	Pistachio	7,606	851	96,492
Kern	Chlorantraniliprole	5	Tomato, processing	1,412	156	14,573
Kern	Chlorantraniliprole	5	Grape	933	223	12,542
Kern	Chlorantraniliprole	5	Grape, wine	699	78	9,174
Kings	Propionic acid	1	Cotton	8,611	790	197,200
Kings	Propionic acid	1	Soil fumigation/preplant	2,066	252	52,904
Kings	Propionic acid	1	Safflower	1,218	113	32,002
Kings	Propionic acid	1	Pistachio	8,760	163	20,984
Kings	Propionic acid	1	Almond	1,734	117	5,950
Kings	Glyphosate, potassium salt	2	Cotton	73,757	325	51,752
Kings	Glyphosate, potassium salt	2	Pistachio	82,515	608	34,725
Kings	Glyphosate, potassium salt	2	Corn (forage - fodder)	36,887	434	25,470
Kings	Glyphosate, potassium salt	2	Almond	54,246	508	24,479
Kings	Glyphosate, potassium salt	2	Rights of way	40,867	67	20,985
Kings	Citric acid	3	Cotton	2,585	443	68,456
Kings	Citric acid	3	Soil fumigation/preplant	916	213	33,229
Kings	Citric acid	3	Pistachio	2,934	699	27,372
Kings	Citric acid	3	Rights of way	974	79	25,946

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Kings	Citric acid	3	Almond	838	381	14,271
Kings	Pyraflufen-ethyl	4	Soil fumigation/preplant	194	433	86,977
Kings	Pyraflufen-ethyl	4	Cotton	119	229	33,191
Kings	Pyraflufen-ethyl	4	Wheat (forage - fodder)	27	271	16,883
Kings	Pyraflufen-ethyl	4	Pistachio	72	425	15,378
Kings	Pyraflufen-ethyl	4	Almond	57	213	11,276
Kings	Paraquat dichloride	5	Soil fumigation/preplant	152,891	621	132,070
Kings	Paraquat dichloride	5	Cotton	20,172	143	28,541
Kings	Paraquat dichloride	5	Almond	4,676	68	3,387
Kings	Paraquat dichloride	5	Pistachio	3,476	39	2,590
Kings	Paraquat dichloride	5	Uncultivated ag	2,174	6	1,680
Lake	Sulfur	1	Grape, wine	285,878	994	36,291
Lake	Sulfur	1	Cannabis (all or unspecified)	143	10	14,017
Lake	Sulfur	1	Pear	10,492	36	830
Lake	Sulfur	1	Grape	121	3	102
Lake	Mineral oil	2	Grape, wine	47,625	353	10,063
Lake	Mineral oil	2	Pear	108,353	261	5,428
Lake	Mineral oil	2	Cannabis (all or unspecified)	512	34	78
Lake	Mineral oil	2	Walnut	1	2	12
Lake	Mineral oil	2	Landscape maintenance	541	0	0
Lake	Myclobutanil	3	Grape, wine	665	184	5,852
Lake	Myclobutanil	3	Landscape maintenance	< 1	0	0
Lake	Streptomycin sulfate	4	Pear	764	217	5,661
Lake	Cyflufenamid	5	Grape, wine	161	149	5,659
Lassen	Imazethapyr, ammonium salt	1	Alfalfa	1,102	109	11,067

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Lassen	Imazethapyr, ammonium salt	1	Wheat	11	1	130
Lassen	Metribuzin	2	Alfalfa	6,037	117	10,691
Lassen	Metribuzin	2	Orchardgrass	84	5	201
Lassen	Metribuzin	2	Forage hay/silage	35	4	143
Lassen	Metribuzin	2	Pastureland	8	1	7
Lassen	Ammonium sulfate	3	Alfalfa	759	99	8,978
Lassen	Ammonium sulfate	3	Pastureland	67	1	170
Lassen	Ammonium sulfate	3	Orchardgrass	10	2	80
Lassen	Ammonium sulfate	3	Alfalfa-grass mixture	27	1	70
Lassen	Ammonium sulfate	3	Timothy	3	2	59
Lassen	Citric acid	4	Alfalfa	47	82	8,899
Lassen	Citric acid	4	Pastureland	4	1	170
Lassen	Citric acid	4	Orchardgrass	< 1	2	80
Lassen	Citric acid	4	Alfalfa-grass mixture	2	1	70
Lassen	Citric acid	4	Wheat	< 1	2	60
Lassen	Phosphoric acid	5	Alfalfa	183	70	7,460
Lassen	Phosphoric acid	5	Pastureland	21	2	266
Lassen	Phosphoric acid	5	Orchardgrass	3	2	80
Lassen	Phosphoric acid	5	Alfalfa-grass mixture	9	1	70
Lassen	Phosphoric acid	5	Timothy	< 1	2	59
Los angeles	Fluazifop-p-butyl	1	N-grnhs flower	14	0	107,031
Los angeles	Fluazifop-p-butyl	1	Carrot	123	4	392
Los angeles	Fluazifop-p-butyl	1	Onion, dry	100	8	265
Los angeles	Fluazifop-p-butyl	1	Barley	38	1	120
Los angeles	Fluazifop-p-butyl	1	Landscape maintenance	151	6	2
Los angeles	Sulfur	2	Carrot	18,188	137	8,607
Los angeles	Sulfur	2	Grape	616	38	202

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Los angeles	Sulfur	2	Barley	333	3	123
Los angeles	Sulfur	2	Landscape maintenance	37	0	0
Los angeles	Sulfur	2	Structural pest control	3	0	0
Los angeles	Imidacloprid	3	N-outdr plants in containers	132	370	3,764
Los angeles	Imidacloprid	3	Carrot	318	21	1,770
Los angeles	Imidacloprid	3	Barley	13	1	120
Los angeles	Imidacloprid	3	N-grnhs flower	2	2	73
Los angeles	Imidacloprid	3	N-grnhs plants in containers	< 1	58	33
Los angeles	Mefenoxam	4	Carrot	1,188	64	5,451
Los angeles	Mefenoxam	4	Barley	21	2	82
Los angeles	Mefenoxam	4	N-outdr plants in containers	14	70	82
Los angeles	Mefenoxam	4	N-grnhs flower	2	1	3
Los angeles	Mefenoxam	4	N-outdr transplants	1	4	1
Los angeles	Pendimethalin	5	Carrot	1,721	30	1,817
Los angeles	Pendimethalin	5	Onion, dry	348	46	1,346
Los angeles	Pendimethalin	5	N-outdr plants in containers	231	137	218
Los angeles	Pendimethalin	5	Barley	96	2	101
Los angeles	Pendimethalin	5	Turf/sod	34	1	17
Madera	Sulfur	1	Grape, wine	1,429,704	2,426	163,008
Madera	Sulfur	1	Grape	1,087,333	2,487	131,608
Madera	Sulfur	1	Pistachio	59,608	100	12,003
Madera	Sulfur	1	Almond	54,806	88	7,731
Madera	Sulfur	1	Tomato, processing	52,887	34	2,409
Madera	Mineral oil	2	Almond	653,192	2,420	140,649

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Madera	Mineral oil	2	Pistachio	93,279	490	28,495
Madera	Mineral oil	2	Grape, wine	41,311	220	12,125
Madera	Mineral oil	2	Orange	58,884	395	11,697
Madera	Mineral oil	2	Grape	2,960	228	5,642
Madera	Glufosinate-ammonium	3	Almond	92,518	2,496	108,213
Madera	Glufosinate-ammonium	3	Pistachio	46,645	1,023	58,087
Madera	Glufosinate-ammonium	3	Grape, wine	22,749	566	22,929
Madera	Glufosinate-ammonium	3	Grape	10,513	411	10,013
Madera	Glufosinate-ammonium	3	Corn (forage - fodder)	1,876	95	4,309
Madera	Methoxyfenozide	4	Almond	40,142	2,084	116,264
Madera	Methoxyfenozide	4	Pistachio	16,402	433	43,534
Madera	Methoxyfenozide	4	Grape, wine	2,231	161	13,185
Madera	Methoxyfenozide	4	Grape	651	60	4,200
Madera	Methoxyfenozide	4	Tomato, processing	257	30	1,957
Madera	Glyphosate, isopropylamine salt	5	Almond	142,503	1,881	90,458
Madera	Glyphosate, isopropylamine salt	5	Pistachio	62,595	820	49,312
Madera	Glyphosate, isopropylamine salt	5	Grape	13,440	318	7,668
Madera	Glyphosate, isopropylamine salt	5	Walnut	4,638	69	5,078
Madera	Glyphosate, isopropylamine salt	5	Grape, wine	6,907	98	4,218
Marin	Aminopyralid, triisopropanolamine salt	1	Pastureland	209	21	1,006
Marin	Aminopyralid, triisopropanolamine salt	1	Rangeland	7	1	32
Marin	Aminopyralid, triisopropanolamine salt	1	Rights of way	7	0	0
Marin	Aminopyralid, triisopropanolamine salt	1	Landscape maintenance	1	0	0
Marin	Sulfur	2	Grape, wine	2,759	54	488
Marin	Sulfur	2	Pastureland	51	4	20
Marin	Mineral oil	3	Grape, wine	758	38	294
Marin	Mineral oil	3	Peach	3	1	< 1

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Marin	Mineral oil	3	N-grnhs plants in containers	17	4	< 1
Marin	Mineral oil	3	Rights of way	< 1	0	0
Marin	Mineral oil	3	Public health	5	0	0
Marin	Clopyralid, monoethanolamine salt	4	Pastureland	77	2	220
Marin	Clopyralid, monoethanolamine salt	4	Rangeland	5	1	16
Marin	Clopyralid, monoethanolamine salt	4	Uncultivated non-ag	1	0	4
Marin	Clopyralid, monoethanolamine salt	4	Landscape maintenance	29	0	0
Marin	Diquat dibromide	5	Water area	1,287	0	170
Marin	Diquat dibromide	5	Water (industrial)	42	0	7
Marin	Diquat dibromide	5	N-outdr plants in containers	< 1	8	< 1
Marin	Diquat dibromide	5	Rights of way	66	0	0
Marin	Diquat dibromide	5	Landscape maintenance	33	0	0
Mariposa	Copper ethanolamine complexes, mixed	1	Water area	327	0	129
Mariposa	Triclopyr, triethylamine salt	2	Forest, timberland	25	20	78
Mariposa	Triclopyr, triethylamine salt	2	Uncultivated ag	< 1	1	< 1
Mariposa	Triclopyr, triethylamine salt	2	Landscape maintenance	187	0	0
Mariposa	Triclopyr, triethylamine salt	2	Rights of way	133	0	0
Mariposa	Triclopyr, triethylamine salt	2	County ag comm	3	0	0
Mariposa	Mineral oil	3	Forest, timberland	6	9	53
Mariposa	Mineral oil	3	Apple	1	5	18
Mariposa	Mineral oil	3	Rights of way	42	0	0
Mariposa	Mineral oil	3	Landscape maintenance	18	0	0
Mariposa	Glyphosate, isopropylamine salt	4	Forest, timberland	13	12	40
Mariposa	Glyphosate, isopropylamine salt	4	Grape, wine	19	3	12
Mariposa	Glyphosate, isopropylamine salt	4	Uncultivated ag	1	3	9

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Mariposa	Glyphosate, isopropylamine salt	4	Uncultivated non-ag	13	20	3
Mariposa	Glyphosate, isopropylamine salt	4	Rangeland	6	2	2
Mariposa	Glyphosate, potassium salt	5	Forest, timberland	4	1	30
Mariposa	Glyphosate, potassium salt	5	Apple	11	2	8
Mariposa	Glyphosate, potassium salt	5	Rights of way	18	0	0
Mariposa	Glyphosate, potassium salt	5	Landscape maintenance	5	0	0
Mendocino	Sulfur	1	Grape, wine	403,289	1,845	53,883
Mendocino	Sulfur	1	Pear	4,102	8	388
Mendocino	Sulfur	1	Apple	115	4	20
Mendocino	Mineral oil	2	Grape, wine	164,822	641	18,168
Mendocino	Mineral oil	2	Pear	71,029	75	3,484
Mendocino	Mineral oil	2	Forest, timberland	48	3	53
Mendocino	Mineral oil	2	Turf/sod	99	0	19
Mendocino	Mineral oil	2	Apple	49	3	12
Mendocino	Copper hydroxide	3	Grape, wine	2,611	162	6,448
Mendocino	Copper hydroxide	3	Pear	148	9	250
Mendocino	Copper hydroxide	3	Olive	2	2	3
Mendocino	Copper hydroxide	3	Peach	3	3	2
Mendocino	Copper hydroxide	3	Rights of way	63	0	0
Mendocino	Copper oxychloride	4	Grape, wine	5,155	169	6,257
Mendocino	Copper oxychloride	4	Pear	123	8	83
Mendocino	Copper oxychloride	4	Olive	3	2	3
Mendocino	Copper oxychloride	4	Peach	3	3	2
Mendocino	Cyprodinil	5	Grape, wine	807	158	4,423
Mendocino	Cyprodinil	5	Pear	138	28	1,362
Merced	Mineral oil	1	Almond	662,844	1,749	110,915
Merced	Mineral oil	1	Cotton	14,772	456	19,845

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Merced	Mineral oil	1	Grape, wine	1,934	263	17,268
Merced	Mineral oil	1	Corn (forage - fodder)	8,501	276	13,091
Merced	Mineral oil	1	Alfalfa	5,063	209	9,945
Merced	Citric acid	2	Almond	10,068	1,792	90,256
Merced	Citric acid	2	Cotton	586	777	34,013
Merced	Citric acid	2	Corn (forage - fodder)	267	478	24,138
Merced	Citric acid	2	Alfalfa	260	369	16,395
Merced	Citric acid	2	Tomato, processing	322	210	13,691
Merced	Glyphosate, potassium salt	3	Almond	165,500	2,035	96,740
Merced	Glyphosate, potassium salt	3	Cotton	44,854	661	29,167
Merced	Glyphosate, potassium salt	3	Corn (forage - fodder)	36,223	562	23,217
Merced	Glyphosate, potassium salt	3	Pistachio	28,535	358	16,775
Merced	Glyphosate, potassium salt	3	Grape, wine	40,771	196	10,575
Merced	Ammonium sulfate	4	Almond	22,699	1,633	70,417
Merced	Ammonium sulfate	4	Cotton	4,812	646	29,361
Merced	Ammonium sulfate	4	Corn (forage - fodder)	6,630	414	22,061
Merced	Ammonium sulfate	4	Tomato, processing	1,882	236	14,825
Merced	Ammonium sulfate	4	Alfalfa	2,391	306	13,549
Merced	Abamectin	5	Almond	2,046	1,809	114,717
Merced	Abamectin	5	Cotton	259	618	23,427
Merced	Abamectin	5	Grape, wine	194	117	11,332
Merced	Abamectin	5	Walnut	96	78	4,694
Merced	Abamectin	5	Cantaloupe	19	44	1,609
Modoc	Lambda-cyhalothrin	1	Alfalfa	400	219	14,843
Modoc	Lambda-cyhalothrin	1	Forage hay/silage	16	11	579
Modoc	Lambda-cyhalothrin	1	Potato	15	7	488
Modoc	Lambda-cyhalothrin	1	Wheat	3	1	94

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Modoc	Lambda-cyhalothrin	1	Rangeland	1	1	40
Modoc	Metribuzin	2	Alfalfa	7,015	170	12,271
Modoc	Metribuzin	2	Potato	1,540	51	3,174
Modoc	Metribuzin	2	Forage hay/silage	90	4	175
Modoc	Citric acid	3	Alfalfa	64	141	11,126
Modoc	Citric acid	3	Onion, dry	14	22	1,357
Modoc	Citric acid	3	Potato	146	13	906
Modoc	Citric acid	3	Wheat	8	5	387
Modoc	Citric acid	3	Forage hay/silage	< 1	3	192
Modoc	Ammonium sulfate	4	Alfalfa	1,141	141	10,728
Modoc	Ammonium sulfate	4	Potato	28	1	110
Modoc	Ammonium sulfate	4	Forage hay/silage	7	2	89
Modoc	Ammonium sulfate	4	Rights of way	65	0	0
Modoc	2,4-d, dimethylamine salt	5	Forage hay/silage	3,101	40	2,918
Modoc	2,4-d, dimethylamine salt	5	Wheat	1,774	29	1,936
Modoc	2,4-d, dimethylamine salt	5	Barley	978	12	1,053
Modoc	2,4-d, dimethylamine salt	5	Pastureland	9	1	640
Modoc	2,4-d, dimethylamine salt	5	Orchardgrass	353	2	310
Mono	Diuron	1	Alfalfa	723	10	553
Mono	Diuron	1	Forage hay/silage	100	1	102
Mono	Diuron	1	Rights of way	2	0	0
Mono	Hexazinone	2	Alfalfa	294	10	553
Mono	Lambda-cyhalothrin	3	Alfalfa	6	5	327
Mono	Lambda-cyhalothrin	3	Structural pest control	< 1	0	0
Mono	Clethodim	4	Forage hay/silage	31	6	219
Mono	Clethodim	4	Alfalfa	21	1	80
Mono	2,4-db, dimethylamine salt	5	Alfalfa	173	4	294

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Monterey	Spirotetramat	1	Lettuce, leaf	6,132	8,456	80,838
Monterey	Spirotetramat	1	Lettuce, head	3,229	3,976	43,272
Monterey	Spirotetramat	1	Broccoli	3,187	3,735	42,179
Monterey	Spirotetramat	1	Grape, wine	4,513	1,032	40,147
Monterey	Spirotetramat	1	Cauliflower	1,249	1,658	16,411
Monterey	Lambda-cyhalothrin	2	Lettuce, leaf	3,460	12,737	113,770
Monterey	Lambda-cyhalothrin	2	Lettuce, head	2,459	7,526	81,036
Monterey	Lambda-cyhalothrin	2	Broccoli	745	2,349	24,429
Monterey	Lambda-cyhalothrin	2	Brussels sprout	451	1,267	14,956
Monterey	Lambda-cyhalothrin	2	Cauliflower	267	944	8,666
Monterey	Mineral oil	3	Grape, wine	1,059,239	3,191	163,866
Monterey	Mineral oil	3	Lettuce, leaf	8,476	2,195	19,164
Monterey	Mineral oil	3	Lettuce, head	4,617	1,285	14,086
Monterey	Mineral oil	3	Strawberry	5,272	210	7,379
Monterey	Mineral oil	3	Broccoli	5,073	432	4,752
Monterey	Spinetoram	4	Lettuce, leaf	3,875	7,679	68,690
Monterey	Spinetoram	4	Lettuce, head	2,097	3,692	38,768
Monterey	Spinetoram	4	Spinach	1,473	3,127	29,371
Monterey	Spinetoram	4	Broccoli	811	1,357	13,830
Monterey	Spinetoram	4	Strawberry	912	401	12,012
Monterey	Sulfur	5	Grape, wine	613,179	4,787	150,120
Monterey	Sulfur	5	Strawberry	133,598	1,013	35,389
Monterey	Sulfur	5	Brussels sprout	28,292	600	6,697
Monterey	Sulfur	5	Peas	14,711	363	3,091
Monterey	Sulfur	5	Carrot	17,515	249	3,089
Napa	Sulfur	1	Grape, wine	868,333	8,539	152,410
Napa	Sulfur	1	Olive	8	4	4

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Napa	Sulfur	1	Grape	7	4	3
Napa	Sulfur	1	Landscape maintenance	< 1	0	0
Napa	Mineral oil	2	Grape, wine	215,063	2,545	37,884
Napa	Mineral oil	2	Ryegrass	4	1	185
Napa	Mineral oil	2	Olive	40	4	2
Napa	Mineral oil	2	Peach	12	4	1
Napa	Mineral oil	2	Apple	7	4	1
Napa	Lavandulyl senecioate	3	Grape, wine	1,568	1,319	24,887
Napa	Quinoxifen	4	Grape, wine	1,917	1,239	20,008
Napa	Quinoxifen	4	Landscape maintenance	< 1	0	0
Napa	Cyflufenamid	5	Grape, wine	484	1,150	17,492
Napa	Cyflufenamid	5	Uncultivated ag	< 1	1	4
Napa	Cyflufenamid	5	Grape	< 1	1	< 1
Nevada	Sulfur	1	Grape, wine	16,066	97	1,379
Nevada	Sulfur	1	Cannabis (all or unspecified)	33	15	1
Nevada	Sulfur	1	Landscape maintenance	9,035	0	0
Nevada	Aminopyralid, triisopropanolamine salt	2	Uncultivated non-ag	1	0	468
Nevada	Aminopyralid, triisopropanolamine salt	2	Pastureland	< 1	1	2
Nevada	Aminopyralid, triisopropanolamine salt	2	Rights of way	45	0	0
Nevada	Aminopyralid, triisopropanolamine salt	2	Landscape maintenance	18	0	0
Nevada	Chlorsulfuron	3	Uncultivated non-ag	< 1	0	469
Nevada	Chlorsulfuron	3	Rights of way	< 1	0	0
Nevada	Polybutene	4	Grape, wine	9	2	376
Nevada	Polybutene	4	Structural pest control	< 1	0	0
Nevada	Trinexapac-ethyl	5	Landscape maintenance	36	6	295
Nevada	Trinexapac-ethyl	5	N-grnhs flower	2	0	21

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Orange	Propiconazole	1	Turf/sod	18	0	104,092
Orange	Propiconazole	1	Golf course turf	197	0	338
Orange	Propiconazole	1	N-outdr plants in containers	3	21	40
Orange	Propiconazole	1	N-grnhs plants in containers	4	0	9
Orange	Propiconazole	1	N-grnhs flower	3	0	6
Orange	Chlorothalonil	2	Golf course turf	3,099	0	67,354
Orange	Chlorothalonil	2	N-outdr plants in containers	132	44	54
Orange	Chlorothalonil	2	N-grnhs flower	137	0	20
Orange	Chlorothalonil	2	Pumpkin	7	4	8
Orange	Chlorothalonil	2	N-grnhs plants in containers	43	1	8
Orange	Trinexapac-ethyl	3	Golf course turf	189	0	3,138
Orange	Trinexapac-ethyl	3	N-grnhs flower	14	0	234
Orange	Trinexapac-ethyl	3	N-grnhs plants in containers	4	0	43
Orange	Trinexapac-ethyl	3	N-grnhs transplants	3	0	25
Orange	Trinexapac-ethyl	3	Rights of way	< 1	0	0
Orange	Glyphosate, isopropylamine salt	4	N-outdr plants in containers	2,066	407	658
Orange	Glyphosate, isopropylamine salt	4	Lemon	325	9	242
Orange	Glyphosate, isopropylamine salt	4	Uncultivated ag	862	64	110
Orange	Glyphosate, isopropylamine salt	4	Bean, succulent	163	6	59
Orange	Glyphosate, isopropylamine salt	4	Avocado	232	26	58
Orange	Mineral oil	5	Avocado	13,988	30	630
Orange	Mineral oil	5	Lemon	7,317	11	275
Orange	Mineral oil	5	Pepper, fruiting	6	8	129

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Orange	Mineral oil	5	Orange	389	1	28
Orange	Mineral oil	5	N-outdr plants in containers	359	39	22
Placer	Mineral oil	1	Rice	13,332	122	6,842
Placer	Mineral oil	1	Almond	2,012	19	3,900
Placer	Mineral oil	1	Walnut	17,632	46	3,029
Placer	Mineral oil	1	Grape, wine	173	29	222
Placer	Mineral oil	1	Uncultivated ag	72	13	78
Placer	Propanil	2	Rice	42,290	165	9,458
Placer	Ammonium sulfate	3	Rice	2,581	103	5,696
Placer	Ammonium sulfate	3	Walnut	138	20	425
Placer	Ammonium sulfate	3	Forage hay/silage	23	5	330
Placer	Ammonium sulfate	3	Wheat	21	5	312
Placer	Ammonium sulfate	3	Almond	87	6	227
Placer	Lambda-cyhalothrin	4	Rice	142	59	4,509
Placer	Lambda-cyhalothrin	4	Almond	31	5	776
Placer	Lambda-cyhalothrin	4	N-outdr plants in containers	3	34	87
Placer	Lambda-cyhalothrin	4	Pistachio	< 1	2	19
Placer	Lambda-cyhalothrin	4	Apple	< 1	1	10
Placer	Glyphosate, potassium salt	5	Walnut	6,957	91	3,684
Placer	Glyphosate, potassium salt	5	Almond	2,970	17	1,094
Placer	Glyphosate, potassium salt	5	Rice	132	2	96
Placer	Glyphosate, potassium salt	5	Uncultivated ag	117	18	45
Placer	Glyphosate, potassium salt	5	Grape, wine	16	5	28
Plumas	Imazapyr, isopropylamine salt	1	Forest, timberland	7,486	174	16,771
Plumas	Imazapyr, isopropylamine salt	1	Rights of way	< 1	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Plumas	Glyphosate, dimethylamine salt	2	Forest, timberland	43,337	215	16,299
Plumas	Potassium bicarbonate	3	Forest, timberland	575	153	13,590
Plumas	Alkyl (c10-16) dimethyl amine oxide	4	Forest, timberland	3,450	153	13,590
Plumas	Hexazinone	5	Forest, timberland	13,833	107	12,363
Riverside	Citric acid	1	Alfalfa	261	1,651	51,340
Riverside	Citric acid	1	Cotton	92	352	12,364
Riverside	Citric acid	1	Uncultivated ag	26	133	4,630
Riverside	Citric acid	1	Uncultivated non-ag	43	36	4,370
Riverside	Citric acid	1	Wheat	43	35	3,550
Riverside	Glyphosate, potassium salt	2	Alfalfa	67,310	1,317	40,450
Riverside	Glyphosate, potassium salt	2	Uncultivated ag	14,770	227	7,589
Riverside	Glyphosate, potassium salt	2	Cotton	10,777	194	6,233
Riverside	Glyphosate, potassium salt	2	Uncultivated non-ag	12,466	45	5,107
Riverside	Glyphosate, potassium salt	2	Citrus	1,362	5	4,184
Riverside	Urea dihydrogen sulfate	3	Alfalfa	107	1,401	43,772
Riverside	Urea dihydrogen sulfate	3	Cotton	2,270	265	9,369
Riverside	Urea dihydrogen sulfate	3	Uncultivated ag	22	146	5,280
Riverside	Urea dihydrogen sulfate	3	Uncultivated non-ag	31	40	4,970
Riverside	Urea dihydrogen sulfate	3	Wheat	3	12	982
Riverside	Sulfur	4	Grape	128,080	883	27,818
Riverside	Sulfur	4	Alfalfa	48,495	233	10,277
Riverside	Sulfur	4	Carrot	35,591	257	7,706
Riverside	Sulfur	4	Lemon	26,970	82	3,455
Riverside	Sulfur	4	Onion, dry	5,845	89	3,384
Riverside	Mineral oil	5	Lemon	146,043	295	13,916
Riverside	Mineral oil	5	Alfalfa	5,308	313	11,019
Riverside	Mineral oil	5	Grape	7,874	319	8,370

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Riverside	Mineral oil	5	Uncultivated ag	4,010	184	6,150
Riverside	Mineral oil	5	Grapefruit	58,844	140	6,078
Sacramento	Sulfur	1	Grape, wine	3,150,008	3,612	244,522
Sacramento	Sulfur	1	Tomato, processing	99,178	67	5,060
Sacramento	Sulfur	1	Pear	14,744	90	1,599
Sacramento	Sulfur	1	Cherry	1,600	12	334
Sacramento	Sulfur	1	Tomato	8,563	9	324
Sacramento	Mineral oil	2	Pear	484,468	1,123	39,397
Sacramento	Mineral oil	2	Grape, wine	40,478	355	17,712
Sacramento	Mineral oil	2	Rice	22,690	128	9,940
Sacramento	Mineral oil	2	Almond	4,820	61	2,721
Sacramento	Mineral oil	2	Tomato	1,099	24	1,360
Sacramento	Ammonium sulfate	3	Grape, wine	7,405	486	12,351
Sacramento	Ammonium sulfate	3	Rice	2,058	56	4,673
Sacramento	Ammonium sulfate	3	Alfalfa	1,806	114	4,120
Sacramento	Ammonium sulfate	3	Corn, grain	1,274	146	4,109
Sacramento	Ammonium sulfate	3	Corn (forage - fodder)	869	107	3,160
Sacramento	Glufosinate-ammonium	4	Grape, wine	26,604	941	26,417
Sacramento	Glufosinate-ammonium	4	Almond	3,384	131	4,333
Sacramento	Glufosinate-ammonium	4	Walnut	1,060	55	3,446
Sacramento	Glufosinate-ammonium	4	Pear	1,495	56	1,556
Sacramento	Glufosinate-ammonium	4	Corn (forage - fodder)	334	39	869
Sacramento	Abamectin	5	Grape, wine	444	411	25,529
Sacramento	Abamectin	5	Pear	85	89	4,104
Sacramento	Abamectin	5	Almond	71	55	3,347
Sacramento	Abamectin	5	Tomato, processing	23	45	1,355
Sacramento	Abamectin	5	Cherry	17	64	1,040

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San benito	Propylene glycol	1	Pepper, fruiting	231	239	5,005
San benito	Propylene glycol	1	Grape, wine	277	105	4,585
San benito	Propylene glycol	1	Cherry	416	75	2,370
San benito	Propylene glycol	1	Lettuce, leaf	87	272	2,186
San benito	Propylene glycol	1	Tomato, processing	64	66	1,758
San benito	Mineral oil	2	Grape, wine	62,828	895	13,241
San benito	Mineral oil	2	Lettuce, leaf	335	210	1,883
San benito	Mineral oil	2	Uncultivated ag	581	59	755
San benito	Mineral oil	2	Walnut	317	11	449
San benito	Mineral oil	2	Lettuce, head	82	49	437
San benito	Lambda-cyhalothrin	3	Lettuce, leaf	210	885	7,028
San benito	Lambda-cyhalothrin	3	Pepper, fruiting	68	96	2,194
San benito	Lambda-cyhalothrin	3	Lettuce, head	50	183	1,635
San benito	Lambda-cyhalothrin	3	Tomato	37	53	1,185
San benito	Lambda-cyhalothrin	3	Tomato, processing	25	27	839
San benito	Imidacloprid	4	Lettuce, leaf	182	502	4,044
San benito	Imidacloprid	4	Grape, wine	1,381	75	2,839
San benito	Imidacloprid	4	Spinach	100	292	2,164
San benito	Imidacloprid	4	Lettuce, head	61	152	1,319
San benito	Imidacloprid	4	Broccoli	43	101	908
San benito	Phosphoric acid	5	Lettuce, leaf	119	744	5,602
San benito	Phosphoric acid	5	Lettuce, head	30	195	1,610
San benito	Phosphoric acid	5	Grape, wine	45	72	933
San benito	Phosphoric acid	5	Cabbage	22	104	750
San benito	Phosphoric acid	5	Cilantro	11	202	746
San bernardino	Glyphosate, isopropylamine salt	1	Alfalfa	2,537	23	1,332

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San bernardino	Glyphosate, isopropylamine salt	1	Corn (forage - fodder)	1,788	39	1,292
San bernardino	Glyphosate, isopropylamine salt	1	Uncultivated ag	275	102	1,016
San bernardino	Glyphosate, isopropylamine salt	1	Landscape maintenance	27,338	46	684
San bernardino	Glyphosate, isopropylamine salt	1	N-outdr plants in containers	2,403	162	615
San bernardino	Glyphosate, potassium salt	2	Orange	1,564	147	2,535
San bernardino	Glyphosate, potassium salt	2	Uncultivated ag	139	31	819
San bernardino	Glyphosate, potassium salt	2	Avocado	443	59	554
San bernardino	Glyphosate, potassium salt	2	Lemon	258	22	130
San bernardino	Glyphosate, potassium salt	2	Stone fruit	29	6	36
San bernardino	Mineral oil	3	Corn (forage - fodder)	1,320	36	1,127
San bernardino	Mineral oil	3	Orange	10,010	118	1,060
San bernardino	Mineral oil	3	Lemon	3,189	13	445
San bernardino	Mineral oil	3	Golf course turf	3,356	0	176
San bernardino	Mineral oil	3	Grapefruit	234	6	26
San bernardino	Strychnine	4	Orange	3	222	2,247
San bernardino	Strychnine	4	Grapefruit	< 1	19	153

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San bernardino	Strychnine	4	Avocado	< 1	14	104
San bernardino	Strychnine	4	Stone fruit	< 1	5	30
San bernardino	Strychnine	4	Regulatory pest control	< 1	0	0
San bernardino	Rimsulfuron	5	Corn (forage - fodder)	12	33	1,046
San bernardino	Rimsulfuron	5	Pistachio	20	3	278
San bernardino	Rimsulfuron	5	Airport	1	0	28
San bernardino	Rimsulfuron	5	Orange	< 1	4	14
San bernardino	Rimsulfuron	5	Landscape maintenance	< 1	0	0
San diego	Glyphosate, isopropylamine salt	1	Avocado	2,739	609	6,220
San diego	Glyphosate, isopropylamine salt	1	N-outdr plants in containers	17,312	2,666	5,741
San diego	Glyphosate, isopropylamine salt	1	Citrus	835	54	2,390
San diego	Glyphosate, isopropylamine salt	1	Tangerine	300	71	2,018
San diego	Glyphosate, isopropylamine salt	1	Lemon	1,487	373	1,264
San diego	Mineral oil	2	Avocado	95,251	216	4,491
San diego	Mineral oil	2	Orange	32,269	167	3,418
San diego	Mineral oil	2	Lemon	37,090	301	2,837
San diego	Mineral oil	2	Citrus	10,923	75	1,516
San diego	Mineral oil	2	N-outdr plants in containers	11,183	385	1,299
San diego	Glyphosate, potassium salt	3	Avocado	9,445	866	6,985

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San diego	Glyphosate, potassium salt	3	N-outdr plants in containers	1,654	373	1,013
San diego	Glyphosate, potassium salt	3	Orange	842	73	854
San diego	Glyphosate, potassium salt	3	Grapefruit	564	41	357
San diego	Glyphosate, potassium salt	3	Guava	423	39	251
San diego	Abamectin	4	Avocado	41	71	1,768
San diego	Abamectin	4	N-outdr plants in containers	56	893	1,683
San diego	Abamectin	4	Tomato	28	31	1,277
San diego	Abamectin	4	Orange	25	64	1,152
San diego	Abamectin	4	Citrus	24	32	1,106
San diego	Propionic acid	5	N-outdr plants in containers	554	1,816	3,674
San diego	Propionic acid	5	N-outdr flower	469	888	1,932
San diego	Propionic acid	5	N-grnhs flower	319	863	1,434
San diego	Propionic acid	5	N-grnhs plants in containers	274	836	1,276
San diego	Propionic acid	5	Avocado	31	60	580
San francisco	Trinexapac-ethyl	1	Golf course turf	124	0	1,457
San francisco	Trinexapac-ethyl	1	Turf/sod	< 1	0	9
San francisco	Trinexapac-ethyl	1	Landscape maintenance	7	0	0
San francisco	Chlorothalonil	2	Golf course turf	3,153	0	507
San francisco	Chlorothalonil	2	Landscape maintenance	< 1	0	0
San francisco	Propiconazole	3	Golf course turf	225	0	457
San francisco	Propiconazole	3	Landscape maintenance	< 1	0	0
San francisco	Propiconazole	3	Structural pest control	< 1	0	0
San francisco	Paclobutrazol	4	Golf course turf	83	0	418
San francisco	Paclobutrazol	4	Landscape maintenance	10	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San francisco	Ethephon	5	Golf course turf	1,034	0	306
San francisco	Ethephon	5	Turf/sod	8	0	4
San francisco	Ethephon	5	Landscape maintenance	< 1	0	0
San joaquin	Sulfur	1	Grape, wine	5,322,627	10,194	434,810
San joaquin	Sulfur	1	Tomato, processing	345,000	309	16,708
San joaquin	Sulfur	1	Cherry	37,920	396	7,425
San joaquin	Sulfur	1	Almond	32,854	129	4,732
San joaquin	Sulfur	1	Grape	35,144	74	4,023
San joaquin	Abamectin	2	Almond	1,916	1,798	102,220
San joaquin	Abamectin	2	Grape, wine	1,078	1,677	62,766
San joaquin	Abamectin	2	Walnut	442	482	20,375
San joaquin	Abamectin	2	Tomato, processing	282	283	15,431
San joaquin	Abamectin	2	Cherry	222	447	10,435
San joaquin	Glyphosate, isopropylamine salt	3	Almond	150,481	1,975	75,088
San joaquin	Glyphosate, isopropylamine salt	3	Walnut	44,488	921	25,699
San joaquin	Glyphosate, isopropylamine salt	3	Grape, wine	42,933	1,269	21,812
San joaquin	Glyphosate, isopropylamine salt	3	Corn (forage - fodder)	24,571	465	15,800
San joaquin	Glyphosate, isopropylamine salt	3	Alfalfa	12,364	213	8,061
San joaquin	Citric acid	4	Almond	5,516	1,792	61,454
San joaquin	Citric acid	4	Grape, wine	3,029	1,278	27,883
San joaquin	Citric acid	4	Walnut	2,406	817	25,354
San joaquin	Citric acid	4	Cherry	2,869	1,025	14,548
San joaquin	Citric acid	4	Alfalfa	630	251	12,040
San joaquin	Mineral oil	5	Almond	384,047	1,349	66,462
San joaquin	Mineral oil	5	Grape, wine	36,911	939	25,055
San joaquin	Mineral oil	5	Walnut	8,823	521	16,438
San joaquin	Mineral oil	5	Cherry	125,994	885	15,579

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San joaquin	Mineral oil	5	Corn (forage - fodder)	1,688	234	7,643
San luis obispo	Sulfur	1	Grape, wine	424,553	3,033	121,319
San luis obispo	Sulfur	1	Strawberry	79,494	303	10,139
San luis obispo	Sulfur	1	Carrot	62,551	142	9,206
San luis obispo	Sulfur	1	Grape	10,309	45	1,853
San luis obispo	Sulfur	1	Broccoli	2,095	67	757
San luis obispo	Propylene glycol	2	Grape, wine	2,671	1,412	47,256
San luis obispo	Propylene glycol	2	Strawberry	559	366	8,531
San luis obispo	Propylene glycol	2	Broccoli	55	146	1,508
San luis obispo	Propylene glycol	2	Lemon	94	22	1,073
San luis obispo	Propylene glycol	2	Cauliflower	27	132	726
San luis obispo	Mineral oil	3	Grape, wine	196,663	1,139	43,418
San luis obispo	Mineral oil	3	Avocado	84,345	183	5,830
San luis obispo	Mineral oil	3	Strawberry	320	140	3,806
San luis obispo	Mineral oil	3	Lemon	35,000	87	3,011
San luis obispo	Mineral oil	3	Blackberry	5,811	57	845

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San luis obispo	Citric acid	4	Grape, wine	1,780	990	16,671
San luis obispo	Citric acid	4	Strawberry	2,070	369	15,267
San luis obispo	Citric acid	4	Lemon	77	49	1,835
San luis obispo	Citric acid	4	N-outdr flower	68	290	1,536
San luis obispo	Citric acid	4	Carrot	244	28	981
San luis obispo	Ammonium sulfate	5	Grape, wine	5,177	1,078	18,138
San luis obispo	Ammonium sulfate	5	Strawberry	8,407	373	15,316
San luis obispo	Ammonium sulfate	5	N-outdr flower	34	290	1,536
San luis obispo	Ammonium sulfate	5	Lemon	300	23	523
San luis obispo	Ammonium sulfate	5	Alfalfa	5	4	274
San mateo	Lambda-cyhalothrin	1	Brussels sprout	26	79	924
San mateo	Lambda-cyhalothrin	1	Landscape maintenance	5	4	6
San mateo	Lambda-cyhalothrin	1	Fava bean	< 1	1	6
San mateo	Lambda-cyhalothrin	1	Structural pest control	52	0	0
San mateo	Lambda-cyhalothrin	1	Public health	< 1	0	0
San mateo	Spinetoram	2	Brussels sprout	45	65	818
San mateo	Spinetoram	2	Fava bean	2	9	52
San mateo	Spinetoram	2	Artichoke, globe	1	5	28
San mateo	Spinetoram	2	Leek	< 1	2	18
San mateo	Spirotetramat	3	Brussels sprout	50	50	618

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
San mateo	Spirotetramat	3	Landscape maintenance	< 1	12	12
San mateo	Spirotetramat	3	Fava bean	< 1	1	5
San mateo	Spirotetramat	3	N-grnhs plants in containers	< 1	3	3
San mateo	Spirotetramat	3	N-grnhs flower	< 1	2	1
San mateo	Emamectin benzoate	4	Brussels sprout	9	53	635
San mateo	Emamectin benzoate	4	Structural pest control	< 1	0	0
San mateo	Emamectin benzoate	4	Landscape maintenance	< 1	0	0
San mateo	Imidacloprid	5	Brussels sprout	24	41	520
San mateo	Imidacloprid	5	Fava bean	2	9	53
San mateo	Imidacloprid	5	N-grnhs plants in containers	3	11	9
San mateo	Imidacloprid	5	N-grnhs flower	< 1	3	2
San mateo	Imidacloprid	5	N-outdr plants in containers	< 1	3	< 1
Santa barbara	Sulfur	1	Grape, wine	626,717	1,920	108,482
Santa barbara	Sulfur	1	Strawberry	200,445	1,485	46,946
Santa barbara	Sulfur	1	Carrot	43,055	108	7,518
Santa barbara	Sulfur	1	Broccoli	7,224	262	2,210
Santa barbara	Sulfur	1	Peas	23,419	82	902
Santa barbara	Propylene glycol	2	Grape, wine	3,097	826	42,826
Santa barbara	Propylene glycol	2	Strawberry	3,361	932	37,474
Santa barbara	Propylene glycol	2	Broccoli	159	597	5,376
Santa barbara	Propylene glycol	2	N-outdr flower	609	1,061	4,583
Santa barbara	Propylene glycol	2	Cauliflower	123	388	3,737
Santa barbara	Citric acid	3	Strawberry	3,626	868	26,782
Santa barbara	Citric acid	3	Grape, wine	3,115	419	19,051
Santa barbara	Citric acid	3	Uncultivated ag	181	61	7,268

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa barbara	Citric acid	3	Broccoli	138	447	4,119
Santa barbara	Citric acid	3	Cauliflower	101	264	2,853
Santa barbara	Mineral oil	4	Grape, wine	77,570	692	22,162
Santa barbara	Mineral oil	4	Strawberry	3,544	458	19,230
Santa barbara	Mineral oil	4	Uncultivated ag	205	43	6,937
Santa barbara	Mineral oil	4	Avocado	90,742	274	4,664
Santa barbara	Mineral oil	4	Blackberry	28,781	236	2,823
Santa barbara	Captan	5	Strawberry	113,847	1,778	64,120
Santa barbara	Captan	5	N-outdr flower	18	4	25
Santa barbara	Captan	5	Raspberry	30	6	16
Santa barbara	Captan	5	Blackberry	21	4	10
Santa barbara	Captan	5	N-outdr plants in containers	< 1	1	< 1
Santa clara	Paclobutrazol	1	N-grnhs transplants	11	1,197	63,300
Santa clara	Paclobutrazol	1	Golf course turf	55	0	300
Santa clara	Paclobutrazol	1	N-grnhs plants in containers	2	61	28
Santa clara	Paclobutrazol	1	N-grnhs flower	< 1	42	8
Santa clara	Paclobutrazol	1	Landscape maintenance	329	0	0
Santa clara	Daminozide	2	N-grnhs transplants	280	632	31,650
Santa clara	Daminozide	2	N-grnhs plants in containers	241	25	22
Santa clara	Daminozide	2	N-grnhs flower	6	47	7
Santa clara	Daminozide	2	N-outdr flower	4	6	1
Santa clara	Propylene glycol	3	Pepper, fruiting	142	185	4,288
Santa clara	Propylene glycol	3	Tomato	146	127	3,881
Santa clara	Propylene glycol	3	Cherry	279	64	2,373
Santa clara	Propylene glycol	3	Corn, human consumption	93	123	2,219

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa clara	Propylene glycol	3	Lettuce, leaf	64	221	1,680
Santa clara	Spirotetramat	4	N-grnhs transplants	53	158	8,400
Santa clara	Spirotetramat	4	Lettuce, leaf	168	253	2,182
Santa clara	Spirotetramat	4	Pepper, fruiting	129	69	1,668
Santa clara	Spirotetramat	4	Lettuce, head	107	131	1,376
Santa clara	Spirotetramat	4	Broccoli	45	64	620
Santa clara	Lambda-cyhalothrin	5	Lettuce, leaf	108	372	3,308
Santa clara	Lambda-cyhalothrin	5	Tomato	56	64	1,836
Santa clara	Lambda-cyhalothrin	5	Lettuce, head	58	187	1,809
Santa clara	Lambda-cyhalothrin	5	Pepper, fruiting	52	79	1,710
Santa clara	Lambda-cyhalothrin	5	Cherry	51	37	1,223
Santa cruz	Spinetoram	1	Strawberry	202	100	2,581
Santa cruz	Spinetoram	1	Raspberry	130	96	1,571
Santa cruz	Spinetoram	1	Brussels sprout	82	50	1,089
Santa cruz	Spinetoram	1	Lettuce, head	58	115	1,061
Santa cruz	Spinetoram	1	Blackberry	94	123	1,047
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	Strawberry	1,954	138	3,366
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	Apple	725	52	872
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	N-outdr transplants	424	143	794
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	Raspberry	584	72	782
Santa cruz	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2	Blackberry	491	56	505
Santa cruz	Azadirachtin	3	Strawberry	107	154	3,492
Santa cruz	Azadirachtin	3	Blackberry	66	125	2,052

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Santa cruz	Azadirachtin	3	N-outdr transplants	11	211	508
Santa cruz	Azadirachtin	3	Lettuce, leaf	5	46	305
Santa cruz	Azadirachtin	3	Raspberry	6	16	257
Santa cruz	Lambda-cyhalothrin	4	Lettuce, head	86	314	2,886
Santa cruz	Lambda-cyhalothrin	4	Lettuce, leaf	77	321	2,632
Santa cruz	Lambda-cyhalothrin	4	Brussels sprout	18	28	581
Santa cruz	Lambda-cyhalothrin	4	Broccoli	14	46	451
Santa cruz	Lambda-cyhalothrin	4	Cauliflower	1	3	41
Santa cruz	Pyraclostrobin	5	Strawberry	598	154	3,404
Santa cruz	Pyraclostrobin	5	Raspberry	259	114	1,544
Santa cruz	Pyraclostrobin	5	Blackberry	151	116	878
Santa cruz	Pyraclostrobin	5	Grape, wine	16	18	168
Santa cruz	Pyraclostrobin	5	Brussels sprout	28	10	157
Shasta	Glyphosate, dimethylamine salt	1	Forest, timberland	27,239	559	14,135
Shasta	Glyphosate, dimethylamine salt	1	Uncultivated ag	12	2	9
Shasta	Glyphosate, dimethylamine salt	1	Rights of way	8,947	0	0
Shasta	Imazapyr, isopropylamine salt	2	Forest, timberland	2,911	249	5,945
Shasta	Imazapyr, isopropylamine salt	2	Rights of way	33	0	0
Shasta	Imazapyr, isopropylamine salt	2	Landscape maintenance	18	0	0
Shasta	Imazapyr, isopropylamine salt	2	Regulatory pest control	10	0	0
Shasta	2,4-d, dimethylamine salt	3	Forage hay/silage	2,187	43	2,048
Shasta	2,4-d, dimethylamine salt	3	Wheat	607	47	1,420
Shasta	2,4-d, dimethylamine salt	3	Timothy	1,309	27	1,200
Shasta	2,4-d, dimethylamine salt	3	Orchardgrass	304	5	286
Shasta	2,4-d, dimethylamine salt	3	Oat	206	12	228
Shasta	Oxyfluorfen	4	Forest, timberland	3,147	78	2,160
Shasta	Oxyfluorfen	4	Walnut	409	87	1,730

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Shasta	Oxyfluorfen	4	Rights of way	775	0	0
Shasta	Glyphosate, isopropylamine salt	5	Forest, timberland	3,214	94	2,037
Shasta	Glyphosate, isopropylamine salt	5	Alfalfa	1,099	11	713
Shasta	Glyphosate, isopropylamine salt	5	Rice, wild	1,044	5	243
Shasta	Glyphosate, isopropylamine salt	5	Timothy	313	3	113
Shasta	Glyphosate, isopropylamine salt	5	Orchardgrass	247	1	71
Sierra	Glyphosate, isopropylamine salt	1	Alfalfa	237	1	140
Sierra	Glyphosate, isopropylamine salt	1	Wheat (forage - fodder)	61	1	60
Sierra	Glyphosate, isopropylamine salt	1	Forest, timberland	2	0	45
Sierra	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	2	0	2
Sierra	Glyphosate, isopropylamine salt	1	Rights of way	1,801	0	0
Sierra	Zeta-cypermethrin	2	Alfalfa	5	2	195
Sierra	Zeta-cypermethrin	2	Structural pest control	< 1	0	0
Sierra	Imazethapyr, ammonium salt	3	Alfalfa	17	2	170
Sierra	Chlorsulfuron	4	Forest, timberland	1	0	150
Sierra	Chlorsulfuron	4	County ag comm	15	0	0
Sierra	Aminopyralid, triisopropanolamine salt	5	Forest, timberland	< 1	0	150
Sierra	Aminopyralid, triisopropanolamine salt	5	County ag comm	13	0	0
Sierra	Aminopyralid, triisopropanolamine salt	5	Rights of way	4	0	0
Siskiyou	Lambda-cyhalothrin	1	Alfalfa	231	99	7,774
Siskiyou	Lambda-cyhalothrin	1	Pastureland	134	19	4,284
Siskiyou	Lambda-cyhalothrin	1	Rye	11	5	382
Siskiyou	Lambda-cyhalothrin	1	Potato	9	7	306
Siskiyou	Lambda-cyhalothrin	1	Wheat	5	4	174
Siskiyou	Metribuzin	2	Alfalfa	5,221	167	10,370
Siskiyou	Metribuzin	2	Potato	884	36	1,832
Siskiyou	Metribuzin	2	Grass, seed	20	1	90

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Siskiyou	Citric acid	3	Alfalfa	154	122	8,449
Siskiyou	Citric acid	3	Strawberry	79	56	1,422
Siskiyou	Citric acid	3	Uncultivated ag	9	9	584
Siskiyou	Citric acid	3	Potato	35	5	236
Siskiyou	Citric acid	3	Onion, dry	9	5	216
Siskiyou	Ammonium sulfate	4	Alfalfa	1,959	111	7,635
Siskiyou	Ammonium sulfate	4	Potato	61	3	240
Siskiyou	Ammonium sulfate	4	Uncultivated ag	2	3	74
Siskiyou	Ammonium sulfate	4	Forest, timberland	12	4	73
Siskiyou	Ammonium sulfate	4	Triticale	7	1	60
Siskiyou	Sulfur	5	Strawberry	22,410	183	7,603
Siskiyou	Sulfur	5	Raspberrry	963	16	266
Solano	Sulfur	1	Grape, wine	279,625	1,051	27,977
Solano	Sulfur	1	Tomato, processing	247,457	158	11,825
Solano	Sulfur	1	Almond	47,311	60	3,509
Solano	Sulfur	1	Tomato	11,584	6	591
Solano	Sulfur	1	Prune	6,419	8	416
Solano	Glyphosate, potassium salt	2	Alfalfa	31,751	400	18,061
Solano	Glyphosate, potassium salt	2	Uncultivated ag	15,588	206	9,321
Solano	Glyphosate, potassium salt	2	Almond	19,189	197	8,907
Solano	Glyphosate, potassium salt	2	Grape, wine	2,879	104	1,839
Solano	Glyphosate, potassium salt	2	Walnut	2,987	60	1,829
Solano	Ammonium sulfate	3	Alfalfa	2,555	207	9,768
Solano	Ammonium sulfate	3	Uncultivated ag	2,421	176	8,949
Solano	Ammonium sulfate	3	Almond	3,435	165	8,410
Solano	Ammonium sulfate	3	Tomato, processing	380	34	3,071
Solano	Ammonium sulfate	3	Walnut	652	83	2,013

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Solano	Lambda-cyhalothrin	4	Tomato, processing	356	251	12,513
Solano	Lambda-cyhalothrin	4	Alfalfa	270	206	9,840
Solano	Lambda-cyhalothrin	4	Almond	281	118	6,991
Solano	Lambda-cyhalothrin	4	Walnut	97	59	2,442
Solano	Lambda-cyhalothrin	4	Sudangrass	49	36	2,156
Solano	Bifenthrin	5	Tomato, processing	1,876	437	21,115
Solano	Bifenthrin	5	Almond	1,678	166	9,368
Solano	Bifenthrin	5	Bean, dried	276	69	3,366
Solano	Bifenthrin	5	Walnut	316	25	1,616
Solano	Bifenthrin	5	Tomato	122	17	1,222
Sonoma	Sulfur	1	Grape, wine	1,526,122	11,268	242,310
Sonoma	Sulfur	1	Apple	8,538	151	1,188
Sonoma	Sulfur	1	Cannabis (all or unspecified)	33	522	22
Sonoma	Sulfur	1	Stone fruit	< 1	2	< 1
Sonoma	Sulfur	1	Olive	73	8	< 1
Sonoma	Mineral oil	2	Grape, wine	347,374	3,665	68,870
Sonoma	Mineral oil	2	Apple	20,296	104	803
Sonoma	Mineral oil	2	Forest, timberland	41	3	83
Sonoma	Mineral oil	2	N-outdr plants in containers	190	10	21
Sonoma	Mineral oil	2	Golf course turf	112	0	21
Sonoma	Cyprodinil	3	Grape, wine	10,069	2,020	39,643
Sonoma	Cyprodinil	3	N-grnhs flower	11	16	43
Sonoma	Fluopyram	4	Grape, wine	3,768	1,561	35,784
Sonoma	Fluopyram	4	N-grnhs transplants	< 1	1	1
Sonoma	Fluopyram	4	Stone fruit	< 1	1	1

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sonoma	Fluopyram	4	Landscape maintenance	5	0	0
Sonoma	Quinoxifen	5	Grape, wine	3,273	1,701	34,040
Stanislaus	Mineral oil	1	Almond	1,056,592	2,535	158,202
Stanislaus	Mineral oil	1	Corn (forage - fodder)	5,262	150	5,821
Stanislaus	Mineral oil	1	Walnut	8,385	118	4,534
Stanislaus	Mineral oil	1	Apricot	14,093	110	2,686
Stanislaus	Mineral oil	1	Grape, wine	1,249	87	2,231
Stanislaus	Oxyfluorfen	2	Almond	46,822	3,997	160,679
Stanislaus	Oxyfluorfen	2	Walnut	3,713	506	13,103
Stanislaus	Oxyfluorfen	2	Grape, wine	1,782	122	3,466
Stanislaus	Oxyfluorfen	2	Tomato, processing	563	21	1,676
Stanislaus	Oxyfluorfen	2	Cherry	491	91	1,209
Stanislaus	Glyphosate, isopropylamine salt	3	Almond	250,281	3,337	137,212
Stanislaus	Glyphosate, isopropylamine salt	3	Corn (forage - fodder)	21,831	401	15,277
Stanislaus	Glyphosate, isopropylamine salt	3	Walnut	24,106	472	11,745
Stanislaus	Glyphosate, isopropylamine salt	3	Alfalfa	4,623	96	2,958
Stanislaus	Glyphosate, isopropylamine salt	3	Cherry	3,375	126	1,602
Stanislaus	Abamectin	4	Almond	2,952	2,726	156,472
Stanislaus	Abamectin	4	Walnut	190	246	8,735
Stanislaus	Abamectin	4	Grape, wine	58	71	3,608
Stanislaus	Abamectin	4	Bean, dried	37	28	2,134
Stanislaus	Abamectin	4	Cherry	20	32	985
Stanislaus	Methoxyfenozide	5	Almond	44,391	2,195	138,120
Stanislaus	Methoxyfenozide	5	Tomato, processing	1,067	104	6,592
Stanislaus	Methoxyfenozide	5	Walnut	1,792	148	5,997
Stanislaus	Methoxyfenozide	5	Corn (forage - fodder)	226	57	1,800
Stanislaus	Methoxyfenozide	5	Watermelon	255	32	1,570

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Sutter	Mineral oil	1	Rice	150,512	759	75,416
Sutter	Mineral oil	1	Walnut	7,774	348	9,811
Sutter	Mineral oil	1	Prune	81,216	236	8,821
Sutter	Mineral oil	1	Peach	78,620	317	4,611
Sutter	Mineral oil	1	Sunflower	2,430	42	4,560
Sutter	Propanil	2	Rice	490,726	1,171	108,685
Sutter	Ammonium sulfate	3	Rice	30,946	618	53,144
Sutter	Ammonium sulfate	3	Uncultivated ag	5,225	277	18,431
Sutter	Ammonium sulfate	3	Walnut	5,104	598	12,318
Sutter	Ammonium sulfate	3	Almond	2,737	203	6,153
Sutter	Ammonium sulfate	3	Prune	1,909	176	4,525
Sutter	Lambda-cyhalothrin	4	Rice	1,917	658	54,733
Sutter	Lambda-cyhalothrin	4	Peach	304	486	8,138
Sutter	Lambda-cyhalothrin	4	Walnut	261	137	5,753
Sutter	Lambda-cyhalothrin	4	Tomato, processing	161	86	5,416
Sutter	Lambda-cyhalothrin	4	Almond	92	52	2,289
Sutter	Azoxystrobin	5	Rice	7,561	367	37,536
Sutter	Azoxystrobin	5	Almond	2,163	197	11,417
Sutter	Azoxystrobin	5	Tomato, processing	873	103	8,898
Sutter	Azoxystrobin	5	Peach	918	266	4,471
Sutter	Azoxystrobin	5	Tomato	65	11	625
Tehama	Ammonium sulfate	1	Walnut	6,947	1,862	24,840
Tehama	Ammonium sulfate	1	Almond	1,727	231	7,565
Tehama	Ammonium sulfate	1	Uncultivated ag	985	391	3,215
Tehama	Ammonium sulfate	1	Prune	206	61	826
Tehama	Ammonium sulfate	1	Pistachio	158	14	738
Tehama	Glyphosate, isopropylamine salt	2	Walnut	26,496	869	15,803

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tehama	Glyphosate, isopropylamine salt	2	Almond	18,904	221	8,124
Tehama	Glyphosate, isopropylamine salt	2	Forest, timberland	7,051	19	2,736
Tehama	Glyphosate, isopropylamine salt	2	Uncultivated ag	3,819	229	2,505
Tehama	Glyphosate, isopropylamine salt	2	Olive	2,799	80	1,549
Tehama	Chlorantraniliprole	3	Almond	1,359	376	22,951
Tehama	Chlorantraniliprole	3	Walnut	629	138	7,109
Tehama	Chlorantraniliprole	3	Pistachio	102	10	1,109
Tehama	Chlorantraniliprole	3	Tomato, processing	26	8	361
Tehama	Chlorantraniliprole	3	Alfalfa	11	7	318
Tehama	Oxyfluorfen	4	Walnut	3,894	764	16,834
Tehama	Oxyfluorfen	4	Almond	2,844	328	11,614
Tehama	Oxyfluorfen	4	Uncultivated ag	220	118	1,061
Tehama	Oxyfluorfen	4	Prune	195	53	975
Tehama	Oxyfluorfen	4	Pistachio	382	10	484
Tehama	Copper hydroxide	5	Walnut	93,078	773	20,713
Tehama	Copper hydroxide	5	Olive	28,005	105	7,303
Tehama	Copper hydroxide	5	Almond	2,287	26	2,222
Tehama	Copper hydroxide	5	Prune	838	14	340
Tehama	Copper hydroxide	5	Cherry	6	1	4
Trinity	Glyphosate, dimethylamine salt	1	Forest, timberland	6,260	101	4,222
Trinity	Imazapyr, isopropylamine salt	2	Forest, timberland	1,788	58	3,157
Trinity	Glyphosate, isopropylamine salt	3	Forest, timberland	2,762	21	1,203
Trinity	Glyphosate, isopropylamine salt	3	Landscape maintenance	6	0	0
Trinity	Glyphosate, isopropylamine salt	3	Rights of way	6	0	0
Trinity	Indaziflam	4	Forest, timberland	91	23	1,101
Trinity	Indaziflam	4	Rights of way	< 1	0	0
Trinity	Indaziflam	4	Landscape maintenance	< 1	0	0

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Trinity	Clopyralid, monoethanolamine salt	5	Forest, timberland	872	27	1,054
Tulare	Mineral oil	1	Orange	2,442,069	11,660	216,669
Tulare	Mineral oil	1	Almond	874,779	1,707	94,357
Tulare	Mineral oil	1	Tangerine	765,510	3,476	78,822
Tulare	Mineral oil	1	Peach	329,588	2,622	33,544
Tulare	Mineral oil	1	Lemon	425,050	2,082	32,380
Tulare	Sulfur	2	Grape	1,518,303	5,868	261,631
Tulare	Sulfur	2	Pistachio	116,365	341	24,388
Tulare	Sulfur	2	Grape, wine	137,746	425	22,580
Tulare	Sulfur	2	Peach	30,692	703	9,736
Tulare	Sulfur	2	Nectarine	26,517	781	9,641
Tulare	Glyphosate, isopropylamine salt	3	Corn (forage - fodder)	100,387	1,327	75,008
Tulare	Glyphosate, isopropylamine salt	3	Almond	82,359	1,175	50,541
Tulare	Glyphosate, isopropylamine salt	3	Pistachio	64,108	917	39,213
Tulare	Glyphosate, isopropylamine salt	3	Orange	25,265	1,105	19,958
Tulare	Glyphosate, isopropylamine salt	3	Peach	13,412	786	9,471
Tulare	Glufosinate-ammonium	4	Pistachio	49,264	1,309	54,173
Tulare	Glufosinate-ammonium	4	Corn (forage - fodder)	23,259	849	47,355
Tulare	Glufosinate-ammonium	4	Almond	40,485	1,091	42,479
Tulare	Glufosinate-ammonium	4	Orange	14,956	1,378	22,213
Tulare	Glufosinate-ammonium	4	Grape	19,055	759	20,700
Tulare	Glyphosate, potassium salt	5	Corn (forage - fodder)	50,297	720	35,812
Tulare	Glyphosate, potassium salt	5	Pistachio	69,274	799	35,407
Tulare	Glyphosate, potassium salt	5	Orange	38,713	1,351	26,149
Tulare	Glyphosate, potassium salt	5	Almond	53,048	695	26,121
Tulare	Glyphosate, potassium salt	5	Tangerine	28,125	675	15,319
Tuolumne	Glyphosate, isopropylamine salt	1	Forest, timberland	8,868	90	2,084

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Tuolumne	Glyphosate, isopropylamine salt	1	Rights of way	1,452	3	150
Tuolumne	Glyphosate, isopropylamine salt	1	Grape, wine	26	3	8
Tuolumne	Glyphosate, isopropylamine salt	1	Rangeland	1	5	5
Tuolumne	Glyphosate, isopropylamine salt	1	Uncultivated non-ag	4	0	4
Tuolumne	Glyphosate, dimethylamine salt	2	Forest, timberland	7,148	91	1,862
Tuolumne	Glyphosate, dimethylamine salt	2	Rights of way	1,055	0	0
Tuolumne	Imazapyr, isopropylamine salt	3	Forest, timberland	503	49	1,003
Tuolumne	Imazapyr, isopropylamine salt	3	Rangeland	< 1	2	< 1
Tuolumne	Imazapyr, isopropylamine salt	3	Rights of way	44	0	0
Tuolumne	Imazapyr, isopropylamine salt	3	Landscape maintenance	3	0	0
Tuolumne	Imazapyr, isopropylamine salt	3	Regulatory pest control	3	0	0
Tuolumne	Strychnine	4	Forest, timberland	2	8	883
Tuolumne	Strychnine	4	Landscape maintenance	< 1	0	0
Tuolumne	Phosphoric acid	5	Forest, timberland	18	23	607
Tuolumne	Phosphoric acid	5	Structural pest control	< 1	0	0
Tuolumne	Phosphoric acid	5	Landscape maintenance	< 1	0	0
Ventura	Mineral oil	1	Strawberry	3,212	925	45,445
Ventura	Mineral oil	1	Lemon	805,080	1,359	25,941
Ventura	Mineral oil	1	Avocado	180,969	711	12,328
Ventura	Mineral oil	1	Raspberry	22,817	801	7,805
Ventura	Mineral oil	1	Blackberry	50,272	656	7,191
Ventura	Captan	2	Strawberry	146,782	1,802	87,518
Ventura	Captan	2	Raspberry	1,045	64	504
Ventura	Captan	2	Blackberry	693	46	336
Ventura	Captan	2	N-outdr plants in containers	63	18	42
Ventura	Captan, other related	3	Strawberry	2,276	1,296	59,618

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Ventura	Captan, other related	3	Blackberry	3	5	58
Ventura	Propionic acid	4	Strawberry	6,507	771	42,922
Ventura	Propionic acid	4	Cabbage	225	83	1,633
Ventura	Propionic acid	4	N-outdr plants in containers	265	437	1,411
Ventura	Propionic acid	4	Artichoke, globe	79	69	837
Ventura	Propionic acid	4	Celery	103	45	718
Ventura	Abamectin	5	Lemon	339	838	16,998
Ventura	Abamectin	5	Avocado	231	556	11,208
Ventura	Abamectin	5	Strawberry	138	205	7,751
Ventura	Abamectin	5	Celery	88	310	5,191
Ventura	Abamectin	5	Pepper, fruiting	39	99	2,258
Yolo	Sulfur	1	Grape, wine	1,434,786	2,737	116,985
Yolo	Sulfur	1	Tomato, processing	230,709	178	12,188
Yolo	Sulfur	1	Almond	26,768	34	2,118
Yolo	Sulfur	1	Tomato	41,924	31	2,070
Yolo	Sulfur	1	Prune	5,702	6	396
Yolo	Ammonium sulfate	2	Uncultivated ag	4,078	387	27,426
Yolo	Ammonium sulfate	2	Almond	5,293	374	18,881
Yolo	Ammonium sulfate	2	Alfalfa	3,020	202	12,074
Yolo	Ammonium sulfate	2	Rice	3,278	118	10,052
Yolo	Ammonium sulfate	2	Pistachio	4,930	180	8,842
Yolo	Citric acid	3	Almond	1,919	421	23,619
Yolo	Citric acid	3	Uncultivated ag	719	275	18,376
Yolo	Citric acid	3	Tomato, processing	682	114	7,640
Yolo	Citric acid	3	Pistachio	1,274	100	6,307
Yolo	Citric acid	3	Alfalfa	94	85	5,782

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Yolo	Glyphosate, isopropylamine salt	4	Uncultivated ag	42,857	373	28,822
Yolo	Glyphosate, isopropylamine salt	4	Almond	24,299	334	14,725
Yolo	Glyphosate, isopropylamine salt	4	Grape, wine	12,373	323	7,098
Yolo	Glyphosate, isopropylamine salt	4	Pistachio	14,045	103	5,540
Yolo	Glyphosate, isopropylamine salt	4	Alfalfa	5,367	49	3,878
Yolo	Phosphoric acid	5	Almond	1,070	333	20,245
Yolo	Phosphoric acid	5	Uncultivated ag	452	251	15,854
Yolo	Phosphoric acid	5	Tomato, processing	905	167	12,780
Yolo	Phosphoric acid	5	Rice	250	47	5,203
Yolo	Phosphoric acid	5	Alfalfa	113	74	4,490
Yuba	Mineral oil	1	Rice	29,264	252	16,966
Yuba	Mineral oil	1	Prune	51,938	96	4,699
Yuba	Mineral oil	1	Walnut	4,790	100	4,367
Yuba	Mineral oil	1	Uncultivated non-ag	329	0	3,025
Yuba	Mineral oil	1	Kiwi fruit fuzzy	14,054	296	2,735
Yuba	Propanil	2	Rice	160,466	547	36,096
Yuba	Propanil	2	Research commodity	29	0	0
Yuba	Lambda-cyhalothrin	3	Rice	960	473	26,708
Yuba	Lambda-cyhalothrin	3	Walnut	139	31	3,422
Yuba	Lambda-cyhalothrin	3	Peach	100	200	2,564
Yuba	Lambda-cyhalothrin	3	Almond	24	18	582
Yuba	Lambda-cyhalothrin	3	Prune	8	4	219
Yuba	Glyphosate, potassium salt	4	Walnut	17,450	195	8,536
Yuba	Glyphosate, potassium salt	4	Uncultivated non-ag	397	0	2,445
Yuba	Glyphosate, potassium salt	4	Rangeland	946	25	2,292
Yuba	Glyphosate, potassium salt	4	Kiwi fruit fuzzy	7,442	252	2,131
Yuba	Glyphosate, potassium salt	4	Almond	4,182	34	2,109

County	Chemical	Rank	Commodity or Site	Pounds Applied	Apps	Acres Treated
Yuba	Halosulfuron-methyl	5	Rice	1,038	346	21,191
Yuba	Halosulfuron-methyl	5	Walnut	12	2	200
Yuba	Halosulfuron-methyl	5	Pumpkin	< 1	2	33
Yuba	Halosulfuron-methyl	5	Landscape maintenance	< 1	0	0