The Top Five Commodities by Acres Treated in each County in 2024 and the Top Five Chemicals used

Text files of data are available. The ranking of commodities (sites) and chemicals is determined by total 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	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Grape, wine	1	Hydrogen peroxide	9,286	426	3,347
Alameda	Grape, wine	1	Sulfur	18,078	280	3,036
Alameda	Grape, wine	1	Quinoxyfen	204	285	1,957
Alameda	Grape, wine	1	Mineral oil	2,521	343	1,603
Alameda	Grape, wine	1	Tebuconazole	172	129	1,539
Alameda	Almond	2	Abamectin	105	26	5,691
Alameda	Almond	2	Azoxystrobin	638	17	3,077
Alameda	Almond	2	Permethrin	588	11	2,343
Alameda	Almond	2	Lambda-cyhalothrin	89	10	2,193
Alameda	Almond	2	Chlorantraniliprole	178	10	2,193
Alameda	Pistachio	3	Lambda-cyhalothrin	14	3	360
Alameda	Pistachio	3	Pyraclostrobin	12	3	137
Alameda	Pistachio	3	Chlorantraniliprole	10	1	120
Alameda	Pistachio	3	Mefentrifluconazole	16	1	120
Alameda	Pistachio	3	Fluxapyroxad	11	1	120

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Alameda	Uncultivated ag	4	Glyphosate, isopropylamine salt	426	19	208
Alameda	Uncultivated ag	4	Oxyfluorfen	24	13	205
Alameda	Uncultivated ag	4	Ammonium sulfate	99	12	204
Alameda	Uncultivated ag	4	Diphacinone	< 1	52	204
Alameda	Uncultivated ag	4	Citric acid	12	6	201
Alameda	Wheat (forage - fodder)	5	2,4-d, dimethylamine salt	166	7	295
Alameda	Wheat (forage - fodder)	5	Carfentrazone-ethyl	7	7	295
Alpine	Cannabis (all or unspecified)	1	Pyriproxyfen	224	1	17
Amador	Grape, wine	1	Sulfur	37,529	542	6,578
Amador	Grape, wine	1	Mineral oil	1,901	202	2,832
Amador	Grape, wine	1	Rimsulfuron	42	108	851
Amador	Grape, wine	1	Glyphosate, isopropylamine salt	1,277	113	823
Amador	Grape, wine	1	Kresoxim-methyl	125	58	813
Amador	Forest, timberland	2	Potassium bicarbonate	38	47	1,158
Amador	Forest, timberland	2	Alkyl (c10-16) dimethyl amine oxide	226	47	1,158
Amador	Forest, timberland	2	Imazapyr, isopropylamine salt	320	38	1,058
Amador	Forest, timberland	2	Glyphosate, diammonium salt	2,143	44	1,048
Amador	Forest, timberland	2	Hexazinone	61	19	537
Amador	Alfalfa	3	Ammonium sulfate	270	11	558
Amador	Alfalfa	3	Glyphosate, potassium salt	956	11	501
Amador	Alfalfa	3	Pendimethalin	361	7	381
Amador	Alfalfa	3	Lambda-cyhalothrin	9	6	322
Amador	Alfalfa	3	Dimethoate	9	6	322
Amador	Wheat (forage - fodder)	4	2,4-d, dimethylamine salt	645	10	565
Amador	Wheat (forage - fodder)	4	Dicamba, dimethylamine salt	85	10	565
Amador	Wheat (forage - fodder)	4	Carfentrazone-ethyl	8	10	565

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Amador	Walnut	5	Lambda-cyhalothrin	4	3	90
Amador	Walnut	5	Copper sulfate (pentahydrate)	71	6	90
Amador	Walnut	5	Glyphosate, potassium salt	24	31	62
Amador	Walnut	5	Glufosinate-ammonium	42	4	59
Amador	Walnut	5	Flumioxazin	13	3	45
Butte	Walnut	1	Citric acid	4,686	1,183	40,273
Butte	Walnut	1	Mancozeb	72,152	1,028	38,389
Butte	Walnut	1	Copper hydroxide	125,984	932	35,435
Butte	Walnut	1	Ammonium sulfate	5,961	1,052	33,615
Butte	Walnut	1	Glyphosate, potassium salt	63,573	954	33,459
Butte	Rice	2	Propanil	421,893	1,243	100,575
Butte	Rice	2	Mineral oil	116,956	970	74,673
Butte	Rice	2	Triclopyr, triethylamine salt	10,108	673	55,653
Butte	Rice	2	Azoxystrobin	10,884	584	53,551
Butte	Rice	2	Benzobicyclon	8,606	431	36,676
Butte	Almond	3	Chlorantraniliprole	1,760	467	23,886
Butte	Almond	3	Ammonium sulfate	2,822	436	16,451
Butte	Almond	3	Glyphosate, potassium salt	30,044	431	15,521
Butte	Almond	3	Oxyfluorfen	4,311	421	14,677
Butte	Almond	3	Glyphosate, isopropylamine salt	22,985	413	13,754
Butte	Prune	4	Propiconazole	634	96	5,689
Butte	Prune	4	Glyphosate, potassium salt	7,437	119	3,880
Butte	Prune	4	Citric acid	235	122	3,780
Butte	Prune	4	Chlorothalonil	11,149	70	3,720
Butte	Prune	4	Ammonium sulfate	552	123	3,474
Butte	Forest, timberland	5	Glyphosate, diammonium salt	13,830	118	6,523
Butte	Forest, timberland	5	Potassium bicarbonate	209	86	5,871

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Butte	Forest, timberland	5	Alkyl (c10-16) dimethyl amine oxide	1,251	86	5,871
Butte	Forest, timberland	5	Imazapyr, isopropylamine salt	2,377	125	5,075
Butte	Forest, timberland	5	Glyphosate, isopropylamine salt	9,252	57	4,195
Calaveras	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	958	135	3,081
Calaveras	Forest, timberland	1	Potassium bicarbonate	160	135	3,081
Calaveras	Forest, timberland	1	Imazapyr, isopropylamine salt	1,017	110	2,597
Calaveras	Forest, timberland	1	Glyphosate, diammonium salt	7,194	123	2,363
Calaveras	Forest, timberland	1	Glyphosate, isopropylamine salt	3,321	29	1,095
Calaveras	Grape, wine	2	Sulfur	8,671	153	1,563
Calaveras	Grape, wine	2	Mineral oil	170	90	772
Calaveras	Grape, wine	2	Phosphoric acid	11	74	459
Calaveras	Grape, wine	2	Tebuconazole	34	46	441
Calaveras	Grape, wine	2	Citric acid	22	65	401
Calaveras	Rangeland	3	Clopyralid, monoethanolamine salt	262	3	943
Calaveras	Rangeland	3	Aminopyralid, triisopropanolamine salt	38	3	250
Calaveras	Rangeland	3	Isopropyl alcohol	< 1	2	175
Calaveras	Rangeland	3	Diflubenzuron	2	1	57
Calaveras	Rangeland	3	Esfenvalerate	1	1	57
Calaveras	Almond	4	Citric acid	17	3	145
Calaveras	Almond	4	Abamectin	2	2	100
Calaveras	Almond	4	Glyphosate, isopropylamine salt	164	4	82
Calaveras	Almond	4	Phosphoric acid	4	3	76
Calaveras	Almond	4	Propargite	200	1	65
Calaveras	Walnut	5	Ethephon	120	5	238
Calaveras	Walnut	5	Abamectin	3	2	120
Calaveras	Walnut	5	Spinetoram	3	1	70
Calaveras	Walnut	5	Propargite	108	1	70

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Calaveras	Walnut	5	Polybutene	7	1	70
Colusa	Almond	1	Methoxyfenozide	23,083	1,238	64,815
Colusa	Almond	1	Chlorantraniliprole	4,609	954	58,851
Colusa	Almond	1	Bifenthrin	9,792	918	54,613
Colusa	Almond	1	Glyphosate, potassium salt	108,282	862	40,198
Colusa	Almond	1	Citric acid	1,599	883	38,334
Colusa	Rice	2	Propanil	525,801	1,580	121,219
Colusa	Rice	2	Benzobicyclon	18,455	1,424	104,589
Colusa	Rice	2	Azoxystrobin	20,533	1,333	104,258
Colusa	Rice	2	Triclopyr, triethylamine salt	18,945	1,284	95,635
Colusa	Rice	2	Fatty acids, methyl esters	90,653	772	71,246
Colusa	Tomato, processing	3	Phosphoric acid	1,973	345	21,011
Colusa	Tomato, processing	3	Isopropyl alcohol	633	337	20,219
Colusa	Tomato, processing	3	Bifenthrin	1,693	319	19,960
Colusa	Tomato, processing	3	Azoxystrobin	1,561	250	15,420
Colusa	Tomato, processing	3	Abamectin	241	216	15,032
Colusa	Walnut	4	Glyphosate, potassium salt	30,303	197	11,208
Colusa	Walnut	4	Ethephon	7,115	163	10,444
Colusa	Walnut	4	Bifenthrin	2,058	191	10,387
Colusa	Walnut	4	Citric acid	689	202	9,352
Colusa	Walnut	4	Ammonium sulfate	3,162	176	8,354
Colusa	Uncultivated ag	5	Ammonium sulfate	3,136	255	18,489
Colusa	Uncultivated ag	5	Glyphosate, potassium salt	47,010	224	15,073
Colusa	Uncultivated ag	5	Oxyfluorfen	2,358	193	14,398
Colusa	Uncultivated ag	5	Citric acid	158	189	13,223
Colusa	Uncultivated ag	5	Sodium hydroxide	464	180	13,067
Contra costa	Corn, human consumption	1	Isopropyl alcohol	244	537	13,602

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Contra costa	Corn, human consumption	1	Citric acid	761	404	9,710
Contra costa	Corn, human consumption	1	Calcium chloride	280	396	9,425
Contra costa	Corn, human consumption	1	Esfenvalerate	467	383	9,357
Contra costa	Corn, human consumption	1	Lambda-cyhalothrin	230	285	7,180
Contra costa	Almond	2	Citric acid	481	42	3,385
Contra costa	Almond	2	Glyphosate, isopropylamine salt	5,030	37	2,913
Contra costa	Almond	2	Azoxystrobin	528	16	2,630
Contra costa	Almond	2	Abamectin	51	32	2,533
Contra costa	Almond	2	Clethodim	279	13	2,228
Contra costa	Tomato, processing	3	Sulfur	91,075	110	4,329
Contra costa	Tomato, processing	3	S-metolachlor	4,106	95	3,461
Contra costa	Tomato, processing	3	Imidacloprid	803	80	3,103
Contra costa	Tomato, processing	3	Abamectin	50	70	2,665
Contra costa	Tomato, processing	3	Carbaryl	1,493	57	2,211
Contra costa	Cherry	4	Malathion	1,368	218	3,288
Contra costa	Cherry	4	Glutens, corn	1,107	210	3,245
Contra costa	Cherry	4	Spinosad	8	172	2,014
Contra costa	Cherry	4	Citric acid	505	130	1,638
Contra costa	Cherry	4	Gibberellins	35	83	1,599
Contra costa	Grape, wine	5	Sulfur	63,658	349	4,412
Contra costa	Grape, wine	5	Potassium bicarbonate	2,439	81	1,161
Contra costa	Grape, wine	5	Methoxyfenozide	218	52	881
Contra costa	Grape, wine	5	Abamectin	14	53	828
Contra costa	Grape, wine	5	Citric acid	67	78	814
Del norte	N-outdr flower	1	Copper hydroxide	6,802	538	3,791
Del norte	N-outdr flower	1	Chlorothalonil	1,725	290	2,044
Del norte	N-outdr flower	1	Iprodione	354	158	1,182

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Del norte	N-outdr flower	1	Diuron	893	93	624
Del norte	N-outdr flower	1	Imidacloprid	73	70	510
Del norte	Forest, timberland	2	Imazapyr, isopropylamine salt	977	102	1,754
Del norte	Forest, timberland	2	Triclopyr, butoxyethyl ester	2,042	78	1,124
Del norte	Forest, timberland	2	Clopyralid, monoethanolamine salt	152	50	881
Del norte	Forest, timberland	2	Sulfometuron-methyl	94	34	599
Del norte	Forest, timberland	2	Triclopyr choline	1,361	35	590
Del norte	Soil fumigation/preplant	3	Metam-sodium	68,658	52	214
Del norte	N-grnhs plants in containers	4	Thiophanate-methyl	55	42	48
Del norte	N-grnhs plants in containers	4	Mefenoxam	< 1	39	45
Del norte	N-grnhs plants in containers	4	Imidacloprid	6	18	14
Del norte	N-grnhs plants in containers	4	Azoxystrobin	1	48	11
Del norte	N-grnhs plants in containers	4	Flurprimidol	< 1	10	11
Del norte	N-outdr plants in containers	5	Glyphosate, isopropylamine salt	40	17	13
Del norte	N-outdr plants in containers	5	Isofetamid	3	10	4
Del norte	N-outdr plants in containers	5	Fluazifop-p-butyl	3	2	2
Del norte	N-outdr plants in containers	5	Abamectin	< 1	2	< 1
Del norte	N-outdr plants in containers	5	Azoxystrobin	< 1	2	< 1
El dorado	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,614	484	7,934
El dorado	Forest, timberland	1	Potassium bicarbonate	436	484	7,934

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
El dorado	Forest, timberland	1	Glyphosate, isopropylamine salt	30,935	375	7,836
El dorado	Forest, timberland	1	Imazapyr, isopropylamine salt	1,940	225	3,545
El dorado	Forest, timberland	1	Glyphosate, diammonium salt	10,922	148	2,075
El dorado	Grape, wine	2	Sulfur	14,672	505	4,630
El dorado	Grape, wine	2	Mineral oil	16,733	414	3,754
El dorado	Grape, wine	2	Glyphosate, isopropylamine salt	2,179	153	1,161
El dorado	Grape, wine	2	Trifloxystrobin	101	109	1,033
El dorado	Grape, wine	2	Quinoxyfen	83	104	973
El dorado	Apple	3	Mineral oil	12,298	153	929
El dorado	Apple	3	Chlorantraniliprole	32	48	332
El dorado	Apple	3	Mancozeb	872	29	198
El dorado	Apple	3	Copper oxychloride	93	34	168
El dorado	Apple	3	Copper hydroxide	84	34	168
El dorado	Pear	4	Mineral oil	2,356	22	98
El dorado	Pear	4	Glyphosate, isopropylamine salt	113	3	38
El dorado	Pear	4	Streptomycin sulfate	15	11	35
El dorado	Pear	4	Spinetoram	4	5	32
El dorado	Pear	4	Copper hydroxide	6	9	31
El dorado	Peach	5	Mineral oil	1,131	31	96
El dorado	Peach	5	Copper hydroxide	99	13	51
El dorado	Peach	5	Copper oxychloride	62	12	44
El dorado	Peach	5	Glyphosate, isopropylamine salt	61	5	23
El dorado	Peach	5	Bacillus thuringiensis subsp. kurstaki strain: abts-351	12	4	20
Fresno	Almond	1	Methoxyfenozide	85,673	3,730	234,925
Fresno	Almond	1	Chlorantraniliprole	18,893	3,757	231,849
Fresno	Almond	1	Mineral oil	1,975,623	4,244	216,938

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Fresno	Almond	1	Abamectin	3,756	2,972	190,086
Fresno	Almond	1	Bifenthrin	30,871	2,550	172,946
Fresno	Pistachio	2	Lambda-cyhalothrin	8,309	1,531	182,699
Fresno	Pistachio	2	Bifenthrin	27,182	1,339	156,364
Fresno	Pistachio	2	Mineral oil	295,311	1,288	118,712
Fresno	Pistachio	2	Chlorantraniliprole	6,589	791	99,305
Fresno	Pistachio	2	Citric acid	5,293	1,018	82,987
Fresno	Grape	3	Sulfur	2,692,924	12,680	409,431
Fresno	Grape	3	Phosphine	68	0	86,288
Fresno	Grape	3	Gibberellins	1,096	1,443	42,393
Fresno	Grape	3	Copper hydroxide	29,550	1,243	40,816
Fresno	Grape	3	Propylene glycol	2,348	1,556	40,384
Fresno	Cotton	4	Citric acid	2,542	781	65,725
Fresno	Cotton	4	Propionic acid	8,212	840	65,485
Fresno	Cotton	4	Glyphosate, potassium salt	112,957	770	58,812
Fresno	Cotton	4	Ethephon	61,480	725	54,945
Fresno	Cotton	4	Mepiquat chloride	2,532	715	53,339
Fresno	Grape, wine	5	Sulfur	1,515,310	2,680	213,517
Fresno	Grape, wine	5	Copper hydroxide	20,167	531	44,812
Fresno	Grape, wine	5	Glufosinate-ammonium	38,335	853	41,553
Fresno	Grape, wine	5	Copper oxychloride	7,593	300	27,977
Fresno	Grape, wine	5	Oxyfluorfen	6,576	389	22,699
Glenn	Almond	1	Chlorantraniliprole	4,161	836	60,892
Glenn	Almond	1	Citric acid	9,136	699	57,900
Glenn	Almond	1	Pyraclostrobin	3,445	488	37,929
Glenn	Almond	1	Oxyfluorfen	9,158	783	37,531
Glenn	Almond	1	Methoxyfenozide	13,676	502	37,203

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Glenn	Rice	2	Propanil	368,069	1,393	81,288
Glenn	Rice	2	Triclopyr, triethylamine salt	10,946	986	58,650
Glenn	Rice	2	Azoxystrobin	11,611	896	58,325
Glenn	Rice	2	Benzobicyclon	13,039	950	57,239
Glenn	Rice	2	Ammonium sulfate	31,591	622	37,024
Glenn	Walnut	3	Citric acid	3,206	1,034	20,737
Glenn	Walnut	3	Ethephon	16,448	401	20,677
Glenn	Walnut	3	Mancozeb	30,084	525	17,123
Glenn	Walnut	3	Bifenthrin	2,930	285	15,717
Glenn	Walnut	3	Copper hydroxide	60,929	439	14,678
Glenn	Olive	4	Copper hydroxide	49,630	206	11,730
Glenn	Olive	4	Mineral oil	3,742	151	9,342
Glenn	Olive	4	Spinosad	2	329	4,300
Glenn	Olive	4	Glufosinate-ammonium	4,228	134	3,442
Glenn	Olive	4	Glyphosate, isopropylamine salt	9,854	137	3,399
Glenn	Alfalfa	5	Clethodim	1,418	109	5,744
Glenn	Alfalfa	5	Saflufenacil	127	58	2,991
Glenn	Alfalfa	5	Pendimethalin	4,767	43	2,483
Glenn	Alfalfa	5	Lambda-cyhalothrin	78	46	2,448
Glenn	Alfalfa	5	Chlorantraniliprole	78	41	2,177
Humboldt	Forest, timberland	1	Imazapyr, isopropylamine salt	5,976	437	9,361
Humboldt	Forest, timberland	1	Triclopyr, butoxyethyl ester	4,015	153	2,710
Humboldt	Forest, timberland	1	Clopyralid, monoethanolamine salt	378	114	2,355
Humboldt	Forest, timberland	1	Sulfometuron-methyl	91	76	1,732
Humboldt	Forest, timberland	1	Glyphosate, isopropylamine salt	1,895	52	1,587
Humboldt	N-grnhs flower	2	Captan	252	78	264
Humboldt	N-grnhs flower	2	Captan, other related	5	78	264

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Humboldt	N-grnhs flower	2	Pyraclostrobin	19	82	254
Humboldt	N-grnhs flower	2	Iprodione	81	60	161
Humboldt	N-grnhs flower	2	Chlorothalonil	242	43	113
Humboldt	Raspberry	3	Bacillus thuringiensis subsp. kurstaki strain: abts-351	96	23	144
Humboldt	Raspberry	3	Azadirachtin	3	62	125
Humboldt	Raspberry	3	Zeta-cypermethrin	1	11	57
Humboldt	Raspberry	3	Captan	37	4	31
Humboldt	Raspberry	3	Carfentrazone-ethyl	2	4	26
Humboldt	Turf/sod	4	Penoxsulam	1	0	147
Humboldt	Turf/sod	4	Glyphosate, isopropylamine salt	21	0	64
Humboldt	Turf/sod	4	Thiamethoxam	8	0	60
Humboldt	Turf/sod	4	Carfentrazone-ethyl	1	0	54
Humboldt	Turf/sod	4	Dicamba	2	0	53
Humboldt	N-grnhs plants in containers	5	Bacillus thuringiensis subsp. kurstaki strain: abts-351	39	10	65
Humboldt	N-grnhs plants in containers	5	Azadirachtin	1	7	35
Humboldt	N-grnhs plants in containers	5	Cyprodinil	5	2	16
Humboldt	N-grnhs plants in containers	5	Fludioxonil	4	2	16
Humboldt	N-grnhs plants in containers	5	Fenhexamid	9	2	16
Imperial	Alfalfa	1	Lambda-cyhalothrin	4,338	2,182	148,528
Imperial	Alfalfa	1	Pendimethalin	295,716	2,104	140,961
Imperial	Alfalfa	1	Clethodim	27,069	1,702	108,675
Imperial	Alfalfa	1	Mineral oil	109,425	1,587	106,271
Imperial	Alfalfa	1	Indoxacarb	8,538	1,299	90,504

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Imperial	Sugarbeet	2	Esfenvalerate	2,063	645	44,258
Imperial	Sugarbeet	2	Methoxyfenozide	6,872	611	44,098
Imperial	Sugarbeet	2	Zeta-cypermethrin	1,003	560	40,377
Imperial	Sugarbeet	2	Glyphosate, potassium salt	40,592	478	34,483
Imperial	Sugarbeet	2	Citric acid	1,237	403	29,877
Imperial	Corn, human consumption	3	Mineral oil	60,308	556	42,340
Imperial	Corn, human consumption	3	Methomyl	17,905	650	40,058
Imperial	Corn, human consumption	3	Esfenvalerate	1,651	531	34,146
Imperial	Corn, human consumption	3	Lambda-cyhalothrin	896	508	32,759
Imperial	Corn, human consumption	3	Chlorantraniliprole	1,234	385	26,633
Imperial	Lettuce, leaf	4	Hydrogen peroxide	30,008	1,165	24,342
Imperial	Lettuce, leaf	4	Peroxyacetic acid	14,093	1,161	24,334
Imperial	Lettuce, leaf	4	Spinetoram	1,007	858	21,151
Imperial	Lettuce, leaf	4	Polybutene	601	887	20,366
Imperial	Lettuce, leaf	4	Lambda-cyhalothrin	357	555	12,327
Imperial	Onion, dry	5	Mefenoxam	3,505	456	28,567
Imperial	Onion, dry	5	Chlorothalonil	29,830	349	22,268
Imperial	Onion, dry	5	Oxyfluorfen	3,893	274	15,906
Imperial	Onion, dry	5	Mineral oil	5,732	221	14,096
Imperial	Onion, dry	5	Copper hydroxide	6,467	194	12,174
Inyo	Alfalfa	1	Saflufenacil	9	6	397
Inyo	Alfalfa	1	Hexazinone	127	5	337
Inyo	Alfalfa	1	Ammonium sulfate	283	6	330
Inyo	Alfalfa	1	Glyphosate, isopropylamine salt	420	5	210
Inyo	Alfalfa	1	Fatty acids, methyl esters	313	2	180
Inyo	N-grnhs flower	2	Trinexapac-ethyl	7	0	324
Inyo	N-grnhs flower	2	Dithiopyr	20	0	84

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Inyo	N-grnhs flower	2	Thiamethoxam	22	0	84
Inyo	N-grnhs flower	2	Imidacloprid	17	0	46
Inyo	N-grnhs flower	2	Ethephon	121	0	32
Inyo	Forage hay/silage	3	2,4-d, dimethylamine salt	87	1	80
Inyo	Forage hay/silage	3	Ammonium sulfate	8	1	80
Inyo	Forage hay/silage	3	Glyphosate, isopropylamine salt	160	1	80
Inyo	Pastureland	4	Triclopyr, butoxyethyl ester	4	0	3
Inyo	Pastureland	4	Glyphosate, isopropylamine salt	4	0	3
Kern	Almond	1	Mineral oil	3,444,032	4,197	339,483
Kern	Almond	1	Glyphosate, potassium salt	453,798	3,725	191,048
Kern	Almond	1	Oxyfluorfen	51,483	3,462	168,551
Kern	Almond	1	Abamectin	1,970	1,845	154,349
Kern	Almond	1	Ammonium sulfate	96,473	2,713	152,704
Kern	Pistachio	2	Lambda-cyhalothrin	6,494	1,340	162,185
Kern	Pistachio	2	Ammonium sulfate	122,957	2,499	124,210
Kern	Pistachio	2	Glyphosate, potassium salt	220,222	2,229	112,279
Kern	Pistachio	2	Bifenthrin	17,763	986	102,150
Kern	Pistachio	2	Aspergillus flavus strain nrrl #21882	83	732	87,819
Kern	Grape	3	Sulfur	2,368,071	9,809	452,679
Kern	Grape	3	Gibberellins	1,906	2,668	115,603
Kern	Grape	3	Copper hydroxide	26,520	1,357	58,736
Kern	Grape	3	Mineral oil	88,199	1,418	42,967
Kern	Grape	3	Spinetoram	2,435	848	34,916
Kern	Water (industrial)	4	Sodium hypochlorite	5,170	0	550,000
Kern	Water (industrial)	4	Trichloro-s-triazinetrione	6,550	0	0
Kern	Water (industrial)	4	Sodium dichloro-s-triazinetrione	4	0	0
Kern	Water (industrial)	4	1-bromo-3-chloro-5,5-dimethyl hydantoin	881	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kern	Water (industrial)	4	Sodium bromosulfamate, sodium chlorosulfamate, potassium bromosulfamate, potassium chlorosulfamate	287	0	0
Kern	Orange	5	Mineral oil	1,787,377	2,870	99,938
Kern	Orange	5	Abamectin	598	671	26,488
Kern	Orange	5	Diflubenzuron	5,217	616	23,299
Kern	Orange	5	Calcium hydroxide	500,017	519	20,826
Kern	Orange	5	Indaziflam	1,211	530	20,050
Kings	Cotton	1	Propionic acid	14,534	1,581	387,327
Kings	Cotton	1	Citric acid	4,471	1,094	200,391
Kings	Cotton	1	Flonicamid	15,901	903	183,309
Kings	Cotton	1	Glyphosate, potassium salt	157,169	612	112,736
Kings	Cotton	1	Novaluron	7,930	438	99,255
Kings	Pistachio	2	Lambda-cyhalothrin	1,946	534	48,770
Kings	Pistachio	2	Glufosinate-ammonium	48,136	936	43,821
Kings	Pistachio	2	Glyphosate, potassium salt	76,115	648	40,215
Kings	Pistachio	2	Ammonium sulfate	30,507	770	38,061
Kings	Pistachio	2	Chlorantraniliprole	2,906	397	35,247
Kings	Almond	3	Mineral oil	340,655	777	38,101
Kings	Almond	3	Chlorantraniliprole	2,809	572	34,407
Kings	Almond	3	Methoxyfenozide	13,043	574	34,405
Kings	Almond	3	Abamectin	512	449	27,020
Kings	Almond	3	Lambda-cyhalothrin	1,031	423	26,140
Kings	Soil fumigation/preplant	4	Paraquat dichloride	141,253	479	109,244
Kings	Soil fumigation/preplant	4	Pendimethalin	101,625	297	71,899
Kings	Soil fumigation/preplant	4	Pyraflufen-ethyl	156	302	66,116
Kings	Soil fumigation/preplant	4	Carfentrazone-ethyl	795	291	43,942

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Kings	Soil fumigation/preplant	4	Propionic acid	5,507	200	41,846
Kings	Tomato, processing	5	Sulfur	1,269,958	330	50,776
Kings	Tomato, processing	5	Chlorothalonil	42,480	170	21,134
Kings	Tomato, processing	5	Carbaryl	8,553	120	21,112
Kings	Tomato, processing	5	Trifluralin	15,710	126	19,510
Kings	Tomato, processing	5	Chlorantraniliprole	2,099	134	16,957
Lake	Grape, wine	1	Sulfur	264,001	1,118	35,492
Lake	Grape, wine	1	Mineral oil	57,051	348	7,587
Lake	Grape, wine	1	Copper hydroxide	911	129	4,066
Lake	Grape, wine	1	Copper oxychloride	982	127	4,029
Lake	Grape, wine	1	Cyflufenamid	127	98	3,944
Lake	Pear	2	Mineral oil	127,934	255	5,597
Lake	Pear	2	Streptomycin sulfate	699	204	4,801
Lake	Pear	2	Calcium oxytetracycline	658	175	4,588
Lake	Pear	2	Oxytetracycline hydrochloride	337	82	1,890
Lake	Pear	2	Oxytetracycline hydrochloride, other related	3	82	1,890
Lake	Cannabis (all or unspecified)	3	Azadirachtin	18	115	478
Lake	Cannabis (all or unspecified)	3	Bacillus velezensis strain: d747	1,843	85	349
Lake	Cannabis (all or unspecified)	3	Burkholderia rinojensis strain a396	2,180	67	276
Lake	Cannabis (all or unspecified)	3	Chromobacterium subtsugae strain: praa4-1	177	66	244
Lake	Cannabis (all or unspecified)	3	Reynoutria sachalinensis (giant knotweed) plant extract	52	64	227
Lake	Walnut	4	Diphacinone	< 1	13	570
Lake	Walnut	4	Spinosad	2	12	155

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lake	Walnut	4	Glyphosate, isopropylamine salt	167	10	96
Lake	Walnut	4	Mancozeb	126	1	70
Lake	Walnut	4	Copper oxychloride	67	1	70
Lake	Water area	5	Endothall, dipotassium salt	7,537	0	223
Lake	Water area	5	Diquat dibromide	97	0	14
Lake	Water area	5	Triclopyr, triethylamine salt	46	0	10
Lake	Water area	5	Fluridone	3	0	5
Lake	Water area	5	Flumioxazin	1	0	4
Lassen	Alfalfa	1	Imazethapyr, ammonium salt	774	81	7,876
Lassen	Alfalfa	1	Beta-cyfluthrin	162	69	6,960
Lassen	Alfalfa	1	Metribuzin	2,338	67	5,943
Lassen	Alfalfa	1	Glyphosate, isopropylamine salt	7,443	75	5,160
Lassen	Alfalfa	1	Phosphoric acid	134	50	4,142
Lassen	Forest, timberland	2	Glyphosate, isopropylamine salt	21,459	76	7,353
Lassen	Forest, timberland	2	Imazapyr, isopropylamine salt	3,608	67	7,058
Lassen	Forest, timberland	2	Alkyl (c10-16) dimethyl amine oxide	876	63	2,650
Lassen	Forest, timberland	2	Potassium bicarbonate	146	63	2,650
Lassen	Forest, timberland	2	Glyphosate, diammonium salt	7,375	53	1,672
Lassen	Strawberry	3	Sulfur	12,577	87	3,375
Lassen	Strawberry	3	Thiram	1,242	22	884
Lassen	Strawberry	3	Chlorothalonil	766	17	678
Lassen	Strawberry	3	Captan	940	11	488
Lassen	Strawberry	3	Mefenoxam	197	12	346
Lassen	Forage hay/silage	4	2,4-d, dimethylamine salt	1,010	18	1,080
Lassen	Forage hay/silage	4	Dicamba, dimethylamine salt	118	14	784
Lassen	Forage hay/silage	4	Beta-cyfluthrin	11	5	460
Lassen	Forage hay/silage	4	2,4-d, 2-ethylhexyl ester	29	1	420

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Lassen	Forage hay/silage	4	Paraquat dichloride	112	6	254
Lassen	Pastureland	5	2,4-d, dimethylamine salt	349	7	381
Lassen	Pastureland	5	Dicamba, dimethylamine salt	91	4	325
Lassen	Pastureland	5	Saflufenacil	6	3	315
Lassen	Pastureland	5	Bromoxynil octanoate	149	2	210
Lassen	Pastureland	5	2,4-d, butoxyethanol ester	276	2	200
Los angeles	Carrot	1	Mefenoxam	1,311	66	5,833
Los angeles	Carrot	1	Cyazofamid	585	47	3,763
Los angeles	Carrot	1	Linuron	766	42	2,761
Los angeles	Carrot	1	Fenamidone	527	22	1,995
Los angeles	Carrot	1	Bacillus velezensis strain: qst 713	108	24	1,904
Los angeles	N-outdr plants in containers	2	Imidacloprid	192	451	1,409
Los angeles	N-outdr plants in containers	2	Propionic acid	293	793	1,338
Los angeles	N-outdr plants in containers	2	Glyphosate, isopropylamine salt	4,249	668	1,054
Los angeles	N-outdr plants in containers	2	Bifenthrin	70	308	651
Los angeles	N-outdr plants in containers	2	Acetamiprid	30	154	359
Los angeles	Onion, dry	3	Pendimethalin	396	47	1,587
Los angeles	Onion, dry	3	Sodium hypochlorite	1,837	40	1,353
Los angeles	Onion, dry	3	Penthiopyrad	300	31	962
Los angeles	Onion, dry	3	Oxyfluorfen	65	20	654
Los angeles	Onion, dry	3	Abamectin	8	15	493
Los angeles	Alfalfa	4	Glyphosate, isopropylamine salt	2,520	9	1,090
Los angeles	Alfalfa	4	Fatty acids, methyl esters	1,707	7	982

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Los angeles	Alfalfa	4	Ammonium sulfate	669	6	710
Los angeles	Alfalfa	4	Indoxacarb	32	2	407
Los angeles	Alfalfa	4	Imazamox, ammonium salt	17	2	407
Los angeles	N-grnhs flower	5	Trinexapac-ethyl	65	0	735
Los angeles	N-grnhs flower	5	Prodiamine	163	0	188
Los angeles	N-grnhs flower	5	Tebuconazole	306	0	188
Los angeles	N-grnhs flower	5	Simazine	74	0	109
Los angeles	N-grnhs flower	5	Chlorantraniliprole	18	0	77
Madera	Almond	1	Glufosinate-ammonium	137,521	3,154	152,892
Madera	Almond	1	Mineral oil	1,042,858	2,548	141,046
Madera	Almond	1	Methoxyfenozide	44,418	2,073	128,924
Madera	Almond	1	Abamectin	1,942	2,025	119,475
Madera	Almond	1	Chlorantraniliprole	8,456	1,872	114,993
Madera	Pistachio	2	Lambda-cyhalothrin	2,848	819	73,788
Madera	Pistachio	2	Glufosinate-ammonium	55,880	1,280	66,128
Madera	Pistachio	2	Bifenthrin	8,848	530	51,152
Madera	Pistachio	2	Glyphosate, potassium salt	99,189	942	46,148
Madera	Pistachio	2	Methoxyfenozide	14,542	439	38,478
Madera	Grape, wine	3	Sulfur	1,367,457	2,483	178,611
Madera	Grape, wine	3	Glufosinate-ammonium	19,419	579	24,542
Madera	Grape, wine	3	Copper hydroxide	10,842	254	19,578
Madera	Grape, wine	3	Spirotetramat	1,685	191	16,403
Madera	Grape, wine	3	Methoxyfenozide	2,926	135	13,010
Madera	Grape	4	Sulfur	1,099,599	2,633	139,097
Madera	Grape	4	Difenoconazole	872	214	14,008
Madera	Grape	4	Imidacloprid	2,317	218	11,240
Madera	Grape	4	Azoxystrobin	2,340	203	11,023

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Madera	Grape	4	Copper hydroxide	9,801	226	10,813
Madera	Tomato, processing	5	Sulfur	114,140	72	5,009
Madera	Tomato, processing	5	Chlorothalonil	10,087	83	4,980
Madera	Tomato, processing	5	Clethodim	927	75	4,641
Madera	Tomato, processing	5	Imidacloprid	1,333	67	4,624
Madera	Tomato, processing	5	Methoxyfenozide	857	66	4,395
Marin	Grape, wine	1	Sulfur	3,018	103	665
Marin	Grape, wine	1	Mineral oil	848	51	243
Marin	Grape, wine	1	Bacillus thuringiensis subsp. kurstaki strain: abts-351	65	13	118
Marin	Grape, wine	1	Glufosinate-ammonium	48	29	83
Marin	Grape, wine	1	Cyprodinil	14	26	79
Marin	Pastureland	2	Aminopyralid, triisopropanolamine salt	152	6	727
Marin	Pastureland	2	Clopyralid, monoethanolamine salt	57	5	250
Marin	Pastureland	2	2,4-d, dimethylamine salt	96	3	170
Marin	Pastureland	2	Isopropyl alcohol	< 1	2	30
Marin	Pastureland	2	Ammonium sulfate	2	2	30
Marin	Olive	3	Spinosad	< 1	39	172
Marin	Olive	3	Kaolin	3,007	25	114
Marin	Olive	3	Copper hydroxide	69	16	73
Marin	Olive	3	Copper oxychloride	76	16	73
Marin	Olive	3	Mineral oil	< 1	1	7
Marin	Water area	4	Diquat dibromide	1,268	0	177
Marin	Water area	4	Limonene	67	0	142
Marin	Water area	4	Glyphosate, isopropylamine salt	< 1	0	< 1
Marin	Water area	4	Imazapyr, isopropylamine salt	2	0	< 1
Marin	Water area	4	Copper ethanolamine complexes, mixed	12,724	0	0

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Marin	Rangeland	5	Aminopyralid, triisopropanolamine salt	14	7	68
Marin	Rangeland	5	Clopyralid, monoethanolamine salt	3	1	10
Mariposa	Forest, timberland	1	Glyphosate, isopropylamine salt	67	3	37
Mariposa	Forest, timberland	1	Triclopyr, triethylamine salt	12	13	31
Mariposa	Forest, timberland	1	Triclopyr, butoxyethyl ester	3	5	11
Mariposa	Apple	2	Mineral oil	2	7	28
Mariposa	Apple	2	Glyphosate, potassium salt	163	5	20
Mariposa	Apple	2	Streptomycin sulfate	3	3	12
Mariposa	Apple	2	Copper hydroxide	12	3	9
Mariposa	Apple	2	Piperonyl butoxide	3	2	8
Mariposa	Uncultivated ag	3	Triclopyr, butoxyethyl ester	16	2	10
Mariposa	Uncultivated ag	3	Mineral oil	< 1	1	6
Mariposa	Uncultivated ag	3	Triclopyr, triethylamine salt	< 1	1	6
Mariposa	Uncultivated ag	3	Glyphosate, isopropylamine salt	< 1	1	6
Mariposa	Uncultivated ag	3	Oxyfluorfen	2	1	2
Mariposa	Grape, wine	4	Glyphosate, potassium salt	22	2	8
Mariposa	Grape, wine	4	Glyphosate, isopropylamine salt	3	1	4
Mariposa	Grape, wine	4	Myclobutanil	< 1	1	2
Mariposa	Grape, wine	4	Sulfur	2	1	2
Mariposa	Rangeland	5	Glyphosate, isopropylamine salt	2	2	3
Mariposa	Rangeland	5	Triclopyr, triethylamine salt	1	2	< 1
Mendocino	Grape, wine	1	Sulfur	394,929	2,337	54,442
Mendocino	Grape, wine	1	Mineral oil	112,858	798	19,608
Mendocino	Grape, wine	1	Copper oxychloride	4,994	222	7,095
Mendocino	Grape, wine	1	Copper hydroxide	2,234	206	6,934
Mendocino	Grape, wine	1	Quinoxyfen	454	181	4,597
Mendocino	Pear	2	Mineral oil	72,426	64	3,191

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mendocino	Pear	2	Mancozeb	11,019	83	2,856
Mendocino	Pear	2	Streptomycin sulfate	570	63	2,656
Mendocino	Pear	2	Calcium oxytetracycline	306	26	1,802
Mendocino	Pear	2	Cyprodinil	132	37	1,604
Mendocino	Forest, timberland	3	Imazapyr, isopropylamine salt	4,478	206	7,266
Mendocino	Forest, timberland	3	Aminopyralid, triisopropanolamine salt	125	35	1,124
Mendocino	Forest, timberland	3	Glyphosate, isopropylamine salt	987	34	901
Mendocino	Forest, timberland	3	Sulfometuron-methyl	59	29	809
Mendocino	Forest, timberland	3	Triclopyr, butoxyethyl ester	1,177	24	619
Mendocino	Uncultivated non-ag	4	Glyphosate, isopropylamine salt	28	4	82
Mendocino	Uncultivated non-ag	4	Triclopyr choline	8	0	44
Mendocino	Uncultivated non-ag	4	Rimsulfuron	< 1	0	39
Mendocino	Uncultivated non-ag	4	Aminocyclopyrachlor, potassium salt	4	0	39
Mendocino	Uncultivated non-ag	4	Indaziflam	2	0	39
Mendocino	Pastureland	5	Clopyralid, monoethanolamine salt	31	1	100
Mendocino	Pastureland	5	Ammonium sulfate	17	4	22
Mendocino	Pastureland	5	Aminopyralid, triisopropanolamine salt	11	5	20
Mendocino	Pastureland	5	Triclopyr, butoxyethyl ester	12	4	17
Mendocino	Pastureland	5	Glyphosate, isopropylamine salt	24	6	8
Merced	Almond	1	Abamectin	2,238	1,943	121,375
Merced	Almond	1	Glufosinate-ammonium	114,113	2,849	115,726
Merced	Almond	1	Methoxyfenozide	39,048	1,730	113,961
Merced	Almond	1	Glyphosate, potassium salt	186,532	2,085	108,308
Merced	Almond	1	Mineral oil	587,680	1,669	102,500
Merced	Cotton	2	Mepiquat chloride	2,072	1,042	46,770
Merced	Cotton	2	Ethephon	45,765	988	43,442
Merced	Cotton	2	Citric acid	609	987	42,426

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Merced	Cotton	2	Abamectin	430	905	38,774
Merced	Cotton	2	Thidiazuron	1,890	839	36,930
Merced	Grape, wine	3	Sulfur	620,378	591	66,651
Merced	Grape, wine	3	Glufosinate-ammonium	23,703	298	21,287
Merced	Grape, wine	3	Mineral oil	1,044	250	17,143
Merced	Grape, wine	3	Oxyfluorfen	5,297	189	13,375
Merced	Grape, wine	3	Carfentrazone-ethyl	262	153	11,568
Merced	Pistachio	4	Lambda-cyhalothrin	970	380	24,519
Merced	Pistachio	4	Glufosinate-ammonium	22,026	484	20,303
Merced	Pistachio	4	Citric acid	798	290	19,085
Merced	Pistachio	4	Glyphosate, potassium salt	32,094	411	17,932
Merced	Pistachio	4	Ammonium sulfate	3,458	364	17,823
Merced	Tomato, processing	5	Sulfur	733,589	378	25,803
Merced	Tomato, processing	5	Lambda-cyhalothrin	479	293	16,821
Merced	Tomato, processing	5	Chlorantraniliprole	1,298	278	16,200
Merced	Tomato, processing	5	Azoxystrobin	1,536	247	14,964
Merced	Tomato, processing	5	Imidacloprid	4,332	230	14,716
Modoc	Alfalfa	1	Metribuzin	5,270	172	10,936
Modoc	Alfalfa	1	Citric acid	67	127	9,341
Modoc	Alfalfa	1	Ammonium sulfate	970	123	8,869
Modoc	Alfalfa	1	Saflufenacil	212	116	7,300
Modoc	Alfalfa	1	Paraquat dichloride	6,437	102	6,926
Modoc	Potato	2	Rimsulfuron	82	64	4,227
Modoc	Potato	2	Copper hydroxide	2,330	63	4,221
Modoc	Potato	2	Mefenoxam	398	47	2,895
Modoc	Potato	2	Fluopyram	394	43	2,666
Modoc	Potato	2	Metribuzin	1,248	39	2,553

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Modoc	Onion, dry	3	Mancozeb	4,219	50	2,467
Modoc	Onion, dry	3	Azoxystrobin	347	28	1,442
Modoc	Onion, dry	3	Oxyfluorfen	89	22	1,319
Modoc	Onion, dry	3	Spirotetramat	87	18	1,108
Modoc	Onion, dry	3	Glyphosate, potassium salt	1,349	17	958
Modoc	Forage hay/silage	4	2,4-d, dimethylamine salt	4,298	54	4,107
Modoc	Forage hay/silage	4	Dicamba, dimethylamine salt	398	31	2,134
Modoc	Forage hay/silage	4	Diglycolamine salt of 3,6-dichloro-o-anisic acid	312	20	1,576
Modoc	Forage hay/silage	4	Citric acid	14	12	1,072
Modoc	Forage hay/silage	4	Ammonium sulfate	162	15	1,031
Modoc	Wheat	5	Diglycolamine salt of 3,6-dichloro-o-anisic acid	458	38	2,790
Modoc	Wheat	5	2,4-d, dimethylamine salt	2,458	35	2,562
Modoc	Wheat	5	Mcpa, dimethylamine salt	868	24	1,446
Modoc	Wheat	5	Tribenuron-methyl	17	19	1,416
Modoc	Wheat	5	Dicamba, dimethylamine salt	192	23	1,400
Mono	Alfalfa	1	Pendimethalin	2,658	22	1,380
Mono	Alfalfa	1	Diuron	1,210	30	1,259
Mono	Alfalfa	1	Glyphosate, isopropylamine salt	1,711	11	857
Mono	Alfalfa	1	Propionic acid	102	11	857
Mono	Alfalfa	1	Hexazinone	112	12	618
Mono	Forage hay/silage	2	Clethodim	5	1	39
Mono	Forage hay/silage	2	Imazethapyr, ammonium salt	3	1	39
Mono	Landscape maintenance	3	Chlorothalonil	20	1	2
Mono	Landscape maintenance	3	Pcnb	27	1	2
Mono	Landscape maintenance	3	Propiconazole	2	1	2

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Mono	Landscape maintenance	3	Indoxacarb	< 1	0	0
Mono	Landscape maintenance	3	Chlorophacinone	< 1	0	0
Mono	Pastureland	4	Propylene glycol	< 1	0	3
Mono	Pastureland	4	Triclopyr, butoxyethyl ester	4	0	3
Monterey	Lettuce, leaf	1	Lambda-cyhalothrin	2,951	10,445	96,960
Monterey	Lettuce, leaf	1	Spirotetramat	6,273	8,772	83,754
Monterey	Lettuce, leaf	1	Permethrin	9,526	7,551	62,954
Monterey	Lettuce, leaf	1	Potassium phosphite	188,526	6,201	62,220
Monterey	Lettuce, leaf	1	Spinetoram	3,377	7,042	61,483
Monterey	Grape, wine	2	Sulfur	720,930	5,168	156,673
Monterey	Grape, wine	2	Mineral oil	729,164	2,947	133,324
Monterey	Grape, wine	2	Glufosinate-ammonium	35,931	2,263	68,394
Monterey	Grape, wine	2	Metrafenone	12,015	1,056	42,343
Monterey	Grape, wine	2	Propylene glycol	2,260	1,658	42,173
Monterey	Lettuce, head	3	Lambda-cyhalothrin	1,967	6,387	65,305
Monterey	Lettuce, head	3	Spirotetramat	3,229	4,032	43,933
Monterey	Lettuce, head	3	Mancozeb	57,103	3,501	38,485
Monterey	Lettuce, head	3	Potassium phosphite	101,197	3,503	37,708
Monterey	Lettuce, head	3	Spinetoram	1,906	3,295	35,785
Monterey	Broccoli	4	Spirotetramat	3,310	4,059	43,726
Monterey	Broccoli	4	Emamectin benzoate	606	4,008	42,106
Monterey	Broccoli	4	Lambda-cyhalothrin	1,019	3,210	33,473
Monterey	Broccoli	4	Bacillus thuringiensis subsp. aizawai strain: abts-1857	24,135	3,231	29,947
Monterey	Broccoli	4	Spinetoram	1,724	2,709	28,480
Monterey	Strawberry	5	Sulfur	123,437	1,111	37,011
Monterey	Strawberry	5	Fludioxonil	4,268	641	20,186

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Monterey	Strawberry	5	Novaluron	1,477	736	19,619
Monterey	Strawberry	5	Azadirachtin	599	542	18,536
Monterey	Strawberry	5	Bifenthrin	1,924	643	16,548
Napa	Grape, wine	1	Sulfur	820,326	8,564	145,171
Napa	Grape, wine	1	Mineral oil	206,722	2,916	40,340
Napa	Grape, wine	1	Cyflufenamid	551	992	17,498
Napa	Grape, wine	1	Lavandulyl senecioate	5,592	1,010	17,495
Napa	Grape, wine	1	Fluopyram	1,670	1,072	15,701
Napa	Wheat	2	Mineral oil	7	2	380
Napa	Wheat	2	Pinoxaden	20	2	380
Napa	Wheat	2	Carfentrazone-ethyl	6	2	380
Napa	Wheat	2	Mesosulfuron-methyl	4	1	300
Napa	Wheat	2	Pyroxsulam	1	1	90
Napa	Water area	3	Copper ethanolamine complexes, mixed	635	2	244
Napa	Water area	3	Acid blue 9, diammonium salt	134	11	216
Napa	Water area	3	Tartrazine	11	11	216
Napa	Water area	3	Flumioxazin	12	0	100
Napa	Water area	3	Diquat dibromide	18	0	93
Napa	Olive	4	Spinosad	< 1	320	487
Napa	Olive	4	Copper hydroxide	42	12	24
Napa	Olive	4	Kaolin	592	17	23
Napa	Olive	4	Copper oxychloride	35	8	20
Napa	Olive	4	Mineral oil	91	12	15
Napa	Pastureland	5	Glyphosate, potassium salt	736	2	250
Napa	Pastureland	5	Aminopyralid, triisopropanolamine salt	38	2	250
Nevada	Grape, wine	1	Sulfur	2,172	67	415
Nevada	Grape, wine	1	Mineral oil	998	34	266

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Nevada	Grape, wine	1	Pyraclostrobin	22	1	255
Nevada	Grape, wine	1	Boscalid	44	1	255
Nevada	Grape, wine	1	Imidacloprid	11	2	236
Nevada	Forest, timberland	2	Imazapyr, isopropylamine salt	579	67	960
Nevada	Forest, timberland	2	Glyphosate, diammonium salt	1,606	70	917
Nevada	Forest, timberland	2	Fatty acids, methyl esters	3,417	66	861
Nevada	Forest, timberland	2	Hexazinone	90	14	232
Nevada	Forest, timberland	2	Aminopyralid, triisopropanolamine salt	11	5	84
Nevada	Pastureland	3	Glyphosate, isopropylamine salt	7	3	1,500
Nevada	Pastureland	3	Triclopyr, triethylamine salt	2	1	500
Nevada	Turf/sod	4	Quinclorac	38	0	80
Nevada	Turf/sod	4	2,4-d, dimethylamine salt	92	0	80
Nevada	Turf/sod	4	Dicamba, dimethylamine salt	9	0	80
Nevada	Turf/sod	4	Bifenthrin	10	0	75
Nevada	Turf/sod	4	Mcpp-p, dma salt	23	0	75
Nevada	Water area	5	Diquat dibromide	258	5	43
Nevada	Water area	5	Copper ethanolamine complexes, mixed	85	4	37
Nevada	Water area	5	Flumioxazin	3	0	22
Nevada	Water area	5	Copper sulfate (pentahydrate)	109	0	18
Nevada	Water area	5	Copper ethylenediamine complex	134	0	14
Orange	N-outdr plants in containers	1	Acephate	196	93	11,066
Orange	N-outdr plants in containers	1	Glyphosate, isopropylamine salt	1,916	386	681
Orange	N-outdr plants in containers	1	Propionic acid	111	157	210
Orange	N-outdr plants in containers	1	Mefenoxam	25	198	202

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Orange	N-outdr plants in containers	1	Dithiopyr	147	158	183
Orange	Golf course turf	2	Trinexapac-ethyl	151	0	2,975
Orange	Golf course turf	2	Flurprimidol	170	0	1,738
Orange	Golf course turf	2	Tebuconazole	921	0	924
Orange	Golf course turf	2	Indaziflam	12	0	789
Orange	Golf course turf	2	Prodiamine	485	0	608
Orange	Strawberry	3	Phosphoric acid	17	29	870
Orange	Strawberry	3	Captan	2,435	37	820
Orange	Strawberry	3	Bacillus thuringiensis subsp. kurstaki strain: abts-351	561	26	532
Orange	Strawberry	3	Fludioxonil	84	13	384
Orange	Strawberry	3	Penthiopyrad	98	13	314
Orange	Lemon	4	Fenpropathrin	128	19	410
Orange	Lemon	4	Glyphosate, isopropylamine salt	561	19	401
Orange	Lemon	4	Glufosinate-ammonium	48	13	305
Orange	Lemon	4	Thiamethoxam	22	13	296
Orange	Lemon	4	Mineral oil	1,140	10	241
Orange	Avocado	5	Zinc phosphide	16	81	518
Orange	Avocado	5	Mineral oil	6,980	12	329
Orange	Avocado	5	Abamectin	6	9	280
Orange	Avocado	5	Sabadilla alkaloids	5	15	269
Orange	Avocado	5	Glyphosate, isopropylamine salt	736	54	150
Placer	Almond	1	Mineral oil	2,308	22	3,750
Placer	Almond	1	Sulfur	15,667	11	2,252
Placer	Almond	1	Propiconazole	440	24	2,096
Placer	Almond	1	Glufosinate-ammonium	1,908	25	2,077

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Placer	Almond	1	Azoxystrobin	391	19	1,935
Placer	Walnut	2	Glyphosate, potassium salt	11,015	75	4,612
Placer	Walnut	2	Glufosinate-ammonium	4,385	64	4,479
Placer	Walnut	2	Mineral oil	4,813	26	2,425
Placer	Walnut	2	Indaziflam	52	31	2,167
Placer	Walnut	2	Mancozeb	2,083	31	1,994
Placer	Rice	3	Propanil	30,302	128	7,695
Placer	Rice	3	Ammonium sulfate	1,805	65	3,458
Placer	Rice	3	Triclopyr, triethylamine salt	670	54	3,169
Placer	Rice	3	Fatty acids, methyl esters	3,283	45	2,940
Placer	Rice	3	Florpyrauxifen-benzyl	91	39	2,828
Placer	Forest, timberland	4	Glyphosate, diammonium salt	8,669	194	3,647
Placer	Forest, timberland	4	Fatty acids, methyl esters	11,077	131	2,932
Placer	Forest, timberland	4	Imazapyr, isopropylamine salt	1,654	99	2,710
Placer	Forest, timberland	4	Glyphosate, isopropylamine salt	7,495	10	1,346
Placer	Forest, timberland	4	Potassium bicarbonate	86	76	1,110
Placer	Wheat	5	Sodium hydroxide	65	11	1,557
Placer	Wheat	5	Citric acid	22	11	1,557
Placer	Wheat	5	Ammonium sulfate	162	11	1,557
Placer	Wheat	5	Phosphoric acid	37	11	1,557
Placer	Wheat	5	Pyroxsulam	15	4	1,122
Plumas	Forest, timberland	1	Glyphosate, isopropylamine salt	52,576	168	16,086
Plumas	Forest, timberland	1	Hexazinone	22,659	83	14,279
Plumas	Forest, timberland	1	Imazapyr, isopropylamine salt	4,774	133	12,824
Plumas	Forest, timberland	1	Potassium bicarbonate	358	157	10,514
Plumas	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	2,151	157	10,514
Plumas	Alfalfa	2	Paraquat dichloride	334	8	760

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Plumas	Alfalfa	2	Metribuzin	382	8	760
Plumas	Alfalfa	2	Imazamox, ammonium salt	20	3	405
Plumas	Alfalfa	2	Fatty acids, methyl esters	103	1	120
Plumas	Alfalfa	2	Glyphosate, isopropylamine salt	180	1	120
Plumas	Forage hay/silage	3	Canola oil	3	6	635
Plumas	Forage hay/silage	3	Mineral oil	465	5	515
Plumas	Forage hay/silage	3	2,4-d, dimethylamine salt	588	5	515
Plumas	Forage hay/silage	3	Dicamba, dimethylamine salt	78	5	515
Plumas	Forage hay/silage	3	Fatty acids, methyl esters	103	1	120
Plumas	Golf course turf	4	Dicamba	11	0	104
Plumas	Golf course turf	4	Imidacloprid	42	0	104
Plumas	Golf course turf	4	2,4-d, 2-ethylhexyl ester	139	0	104
Plumas	Golf course turf	4	Triclopyr, butoxyethyl ester	16	0	104
Plumas	Golf course turf	4	Pyraflufen-ethyl	< 1	0	104
Plumas	N-grnhs flower	5	Trinexapac-ethyl	41	0	234
Plumas	N-grnhs flower	5	Florasulam	< 1	0	22
Plumas	N-grnhs flower	5	Clopyralid,triethylamine salt	5	0	16
Plumas	N-grnhs flower	5	Triclopyr, triethylamine salt	13	0	16
Plumas	N-grnhs flower	5	Chlorothalonil	111	0	12
Riverside	Alfalfa	1	Citric acid	382	1,619	61,642
Riverside	Alfalfa	1	Urea dihydrogen sulfate	161	1,473	56,878
Riverside	Alfalfa	1	Glyphosate, potassium salt	82,239	1,232	45,451
Riverside	Alfalfa	1	Flupyradifurone	3,836	728	35,750
Riverside	Alfalfa	1	Methoxyfenozide	4,369	753	35,428
Riverside	Lemon	2	Mineral oil	194,951	386	17,248
Riverside	Lemon	2	Abamectin	157	133	7,332
Riverside	Lemon	2	Imidacloprid	3,391	127	6,856

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Riverside	Lemon	2	Glyphosate, isopropylamine salt	9,150	179	5,884
Riverside	Lemon	2	Spinetoram	453	93	4,875
Riverside	Grape	3	Sulfur	127,163	759	25,804
Riverside	Grape	3	Gibberellins	360	295	9,531
Riverside	Grape	3	Mineral oil	4,883	213	7,316
Riverside	Grape	3	Bacillus altitudinis strain: qst 2808	852	192	7,094
Riverside	Grape	3	Spinetoram	179	85	3,272
Riverside	Cotton	4	Mepiquat chloride	341	439	17,207
Riverside	Cotton	4	Glyphosate, potassium salt	25,040	388	14,526
Riverside	Cotton	4	Urea dihydrogen sulfate	5,036	379	14,408
Riverside	Cotton	4	Citric acid	101	368	13,464
Riverside	Cotton	4	Ethephon	9,576	221	9,601
Riverside	Pepper, fruiting	5	Cyromazine	673	188	5,405
Riverside	Pepper, fruiting	5	Spinetoram	311	183	5,261
Riverside	Pepper, fruiting	5	Abamectin	63	160	3,841
Riverside	Pepper, fruiting	5	Flutriafol	409	121	3,604
Riverside	Pepper, fruiting	5	Chlorantraniliprole	399	127	3,420
Sacramento	Grape, wine	1	Sulfur	2,807,908	3,836	229,836
Sacramento	Grape, wine	1	Glufosinate-ammonium	21,247	907	22,574
Sacramento	Grape, wine	1	Fluopyram	2,046	437	19,527
Sacramento	Grape, wine	1	Abamectin	319	315	18,532
Sacramento	Grape, wine	1	Thiamethoxam	3,397	320	17,642
Sacramento	Pear	2	Mineral oil	503,342	1,082	43,431
Sacramento	Pear	2	Streptomycin sulfate	6,879	513	24,350
Sacramento	Pear	2	Oxytetracycline hydrochloride	3,839	464	20,967
Sacramento	Pear	2	Oxytetracycline hydrochloride, other related	35	464	20,967

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sacramento	Pear	2	Mancozeb	40,347	385	17,528
Sacramento	Tomato, processing	3	Chlorantraniliprole	294	56	4,025
Sacramento	Tomato, processing	3	Chlorothalonil	7,849	53	3,913
Sacramento	Tomato, processing	3	Bifenthrin	313	54	3,556
Sacramento	Tomato, processing	3	Ammonium sulfate	508	44	2,856
Sacramento	Tomato, processing	3	Lambda-cyhalothrin	79	47	2,721
Sacramento	Rice	4	Propanil	42,224	118	10,169
Sacramento	Rice	4	Mineral oil	22,064	102	8,613
Sacramento	Rice	4	Ammonium sulfate	4,381	86	7,924
Sacramento	Rice	4	Triclopyr, triethylamine salt	1,409	57	5,551
Sacramento	Rice	4	Azoxystrobin	1,262	53	5,406
Sacramento	Almond	5	Glufosinate-ammonium	3,111	103	3,713
Sacramento	Almond	5	Phosphoric acid	101	77	3,078
Sacramento	Almond	5	Mineral oil	3,150	45	3,021
Sacramento	Almond	5	Glyphosate, isopropylamine salt	6,035	56	2,850
Sacramento	Almond	5	Ammonium sulfate	526	64	2,833
San benito	Lettuce, leaf	1	Lambda-cyhalothrin	127	542	4,227
San benito	Lettuce, leaf	1	Diatomaceous earth	53,075	799	3,909
San benito	Lettuce, leaf	1	Azadirachtin	66	747	3,886
San benito	Lettuce, leaf	1	Spinetoram	187	538	3,587
San benito	Lettuce, leaf	1	Spirotetramat	275	490	3,586
San benito	Grape, wine	2	Mineral oil	37,483	592	9,511
San benito	Grape, wine	2	Sulfur	42,655	514	8,139
San benito	Grape, wine	2	Isopropyl alcohol	165	284	3,151
San benito	Grape, wine	2	Metrafenone	841	99	2,971
San benito	Grape, wine	2	Phosphoric acid	123	159	2,788
San benito	Spinach	3	Spinetoram	163	371	2,904

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San benito	Spinach	3	Spinosad	197	286	2,092
San benito	Spinach	3	Acibenzolar-s-methyl	47	264	1,994
San benito	Spinach	3	Imidacloprid	90	253	1,948
San benito	Spinach	3	Permethrin	331	208	1,939
San benito	Pepper, fruiting	4	Propylene glycol	195	216	4,506
San benito	Pepper, fruiting	4	Lambda-cyhalothrin	53	100	1,728
San benito	Pepper, fruiting	4	Afidopyropen	39	66	1,408
San benito	Pepper, fruiting	4	Abamectin	24	65	1,270
San benito	Pepper, fruiting	4	Cyantraniliprole	107	65	1,222
San benito	Lettuce, head	5	Phosphoric acid	40	238	1,806
San benito	Lettuce, head	5	Lambda-cyhalothrin	50	193	1,630
San benito	Lettuce, head	5	Spirotetramat	96	143	1,233
San benito	Lettuce, head	5	Imidacloprid	54	148	1,182
San benito	Lettuce, head	5	Methomyl	598	110	966
San bernardino	Orange	1	Glyphosate, potassium salt	1,063	122	2,745
San bernardino	Orange	1	Strychnine	2	152	1,491
San bernardino	Orange	1	Abamectin	21	120	973
San bernardino	Orange	1	Mineral oil	8,518	110	889
San bernardino	Orange	1	Spinosad	< 1	150	661
San bernardino	Alfalfa	2	Glyphosate, isopropylamine salt	3,641	25	1,808
San bernardino	Alfalfa	2	Indoxacarb	140	18	1,563

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Alfalfa	2	Clethodim	208	13	761
San bernardino	Alfalfa	2	Ammonium sulfate	369	7	707
San bernardino	Alfalfa	2	Imazethapyr, ammonium salt	50	3	610
San bernardino	Water area	3	Copper sulfate (pentahydrate)	45,249	3	3,457
San bernardino	Water area	3	Phosphoric acid	< 1	0	139
San bernardino	Water area	3	Citric acid	< 1	0	139
San bernardino	Water area	3	Propylene glycol	< 1	0	139
San bernardino	Water area	3	Isopropyl alcohol	< 1	0	139
San bernardino	N-outdr plants in containers	4	Glyphosate, isopropylamine salt	2,640	191	686
San bernardino	N-outdr plants in containers	4	Mefenoxam	10	196	516
San bernardino	N-outdr plants in containers	4	Thiophanate-methyl	174	209	349
San bernardino	N-outdr plants in containers	4	Acephate	296	79	307
San bernardino	N-outdr plants in containers	4	Ametoctradin	37	91	150
San bernardino	Golf course turf	5	Trinexapac-ethyl	58	0	603
San bernardino	Golf course turf	5	Tebuconazole	196	0	170
San bernardino	Golf course turf	5	Flurprimidol	17	0	164

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San bernardino	Golf course turf	5	Prodiamine	94	0	148
San bernardino	Golf course turf	5	Mineral oil	2,812	0	144
San diego	N-outdr plants in containers	1	Glyphosate, isopropylamine salt	14,855	2,193	4,809
San diego	N-outdr plants in containers	1	Propionic acid	747	1,609	3,826
San diego	N-outdr plants in containers	1	Mefenoxam	147	872	2,370
San diego	N-outdr plants in containers	1	Imidacloprid	349	632	1,853
San diego	N-outdr plants in containers	1	Diquat dibromide	2,700	509	1,749
San diego	Tomato	2	Chlorothalonil	4,002	88	2,809
San diego	Tomato	2	Mandipropamid	247	56	2,274
San diego	Tomato	2	Difenoconazole	247	55	2,273
San diego	Tomato	2	Propamocarb hydrochloride	1,695	52	2,265
San diego	Tomato	2	Bacillus thuringiensis (berliner), subsp. kurstaki, strain sa-11	1,426	50	2,198
San diego	Avocado	3	Glyphosate, potassium salt	6,926	657	5,726
San diego	Avocado	3	Glyphosate, isopropylamine salt	2,127	449	4,873
San diego	Avocado	3	Mineral oil	54,176	166	3,762
San diego	Avocado	3	Diphacinone	< 1	191	2,967
San diego	Avocado	3	Simazine	1,723	121	2,257
San diego	N-grnhs plants in containers	4	Citric acid	211	1,234	1,552
San diego	N-grnhs plants in containers	4	Propionic acid	302	678	1,238

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San diego	N-grnhs plants in containers	4	Abamectin	16	879	920
San diego	N-grnhs plants in containers	4	Propylene glycol	39	821	837
San diego	N-grnhs plants in containers	4	Isopropyl alcohol	17	607	661
San diego	Citrus	5	Strychnine	< 1	52	3,601
San diego	Citrus	5	Glyphosate, isopropylamine salt	753	57	2,279
San diego	Citrus	5	Diphacinone	< 1	11	1,468
San diego	Citrus	5	Mineral oil	2,666	69	1,308
San diego	Citrus	5	Simazine	204	8	1,302
San francisco	Golf course turf	1	Trinexapac-ethyl	169	0	2,026
San francisco	Golf course turf	1	Chlorothalonil	4,448	0	613
San francisco	Golf course turf	1	Propiconazole	195	0	417
San francisco	Golf course turf	1	Chlorantraniliprole	50	0	412
San francisco	Golf course turf	1	Thiophanate-methyl	1,523	0	290
San francisco	Uncultivated non-ag	2	Glyphosate, isopropylamine salt	6	0	36
San francisco	Uncultivated non-ag	2	Indaziflam	1	0	17
San francisco	Uncultivated non-ag	2	Aminocyclopyrachlor, potassium salt	3	0	17
San francisco	Uncultivated non-ag	2	Chlorsulfuron	1	0	17
San francisco	Uncultivated non-ag	2	Rimsulfuron	< 1	0	15
San francisco	Water systems - human potable/drinking	3	Sodium hypochlorite	216	0	21
San francisco	Recreation area	4	Mesotrione	2	0	9
San francisco	Recreation area	4	Triclopyr, butoxyethyl ester	13	0	9
San francisco	Cannabis (all or unspecified)	5	Azadirachtin	1	270	6
San francisco	Cannabis (all or unspecified)	5	Reynoutria sachalinensis (giant knotweed) plant extract	< 1	64	4

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San francisco	Cannabis (all or unspecified)	5	Mineral oil	12	64	1
San francisco	Cannabis (all or unspecified)	5	Clarified hydrophobic extract of neem oil	13	56	1
San francisco	Cannabis (all or unspecified)	5	Hydrogen peroxide	7	43	< 1
San joaquin	Almond	1	Abamectin	1,724	1,632	87,312
San joaquin	Almond	1	Methoxyfenozide	24,626	1,376	75,235
San joaquin	Almond	1	Glufosinate-ammonium	73,575	2,087	70,722
San joaquin	Almond	1	Glyphosate, isopropylamine salt	132,630	1,975	70,247
San joaquin	Almond	1	Chlorantraniliprole	5,136	1,254	67,167
San joaquin	Grape, wine	2	Sulfur	5,604,771	10,223	436,019
San joaquin	Grape, wine	2	Abamectin	773	1,271	44,496
San joaquin	Grape, wine	2	Glufosinate-ammonium	40,529	2,159	43,225
San joaquin	Grape, wine	2	Spirotetramat	3,126	724	25,692
San joaquin	Grape, wine	2	Fluopyram	2,376	720	24,229
San joaquin	Walnut	3	Ethephon	18,760	695	30,761
San joaquin	Walnut	3	Citric acid	4,098	986	29,673
San joaquin	Walnut	3	Abamectin	614	685	28,081
San joaquin	Walnut	3	Acetamiprid	3,718	653	27,101
San joaquin	Walnut	3	Copper hydroxide	88,595	700	26,096
San joaquin	Cherry	4	Lambda-cyhalothrin	837	1,162	21,792
San joaquin	Cherry	4	Citric acid	3,786	1,282	17,511
San joaquin	Cherry	4	Gibberellins	1,025	848	15,809
San joaquin	Cherry	4	Mineral oil	103,531	823	13,803
San joaquin	Cherry	4	Tebuconazole	2,175	662	13,056
San joaquin	Tomato, processing	5	Bifenthrin	1,730	401	19,155
San joaquin	Tomato, processing	5	Chlorothalonil	26,046	272	14,184

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San joaquin	Tomato, processing	5	Lambda-cyhalothrin	373	244	13,006
San joaquin	Tomato, processing	5	Sulfur	271,267	208	12,407
San joaquin	Tomato, processing	5	Methoxyfenozide	2,368	237	12,222
San luis obispo	Grape, wine	1	Sulfur	395,763	3,089	110,706
San luis obispo	Grape, wine	1	Mineral oil	222,750	1,238	43,084
San luis obispo	Grape, wine	1	Propylene glycol	2,359	1,217	38,092
San luis obispo	Grape, wine	1	Glufosinate-ammonium	20,350	1,211	20,863
San luis obispo	Grape, wine	1	Quinoxyfen	1,972	586	19,714
San luis obispo	Strawberry	2	Captan	31,954	536	18,259
San luis obispo	Strawberry	2	Captan, other related	620	462	15,495
San luis obispo	Strawberry	2	Propylene glycol	718	395	11,236
San luis obispo	Strawberry	2	Fludioxonil	1,593	206	7,446
San luis obispo	Strawberry	2	Trifloxystrobin	869	216	7,249
San luis obispo	Lettuce, head	3	Polybutene	372	705	5,674
San luis obispo	Lettuce, head	3	Potassium phosphite	17,589	577	5,353
San luis obispo	Lettuce, head	3	Dimethomorph	897	542	4,452
San luis obispo	Lettuce, head	3	Permethrin	891	535	4,450

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San luis obispo	Lettuce, head	3	Propylene glycol	265	452	4,213
San luis obispo	Lettuce, leaf	4	Polybutene	241	605	3,401
San luis obispo	Lettuce, leaf	4	Permethrin	547	471	2,794
San luis obispo	Lettuce, leaf	4	Dimethomorph	493	390	2,444
San luis obispo	Lettuce, leaf	4	Spirotetramat	176	410	2,223
San luis obispo	Lettuce, leaf	4	Spinetoram	108	353	1,988
San luis obispo	Carrot	5	Sulfur	86,160	140	11,815
San luis obispo	Carrot	5	Polyoxin d, zinc salt	30	77	5,718
San luis obispo	Carrot	5	Mefenoxam	504	29	1,948
San luis obispo	Carrot	5	Linuron	1,175	26	1,894
San luis obispo	Carrot	5	Coniothyrium minitans strain: con/m/91-08	162	43	1,688
San mateo	Brussels sprout	1	Lambda-cyhalothrin	41	118	1,512
San mateo	Brussels sprout	1	Spinetoram	42	68	849
San mateo	Brussels sprout	1	Spirotetramat	59	62	752
San mateo	Brussels sprout	1	Imidacloprid	32	58	693
San mateo	Brussels sprout	1	Emamectin benzoate	8	52	642
San mateo	N-grnhs plants in containers	2	Chlorfenapyr	3	43	64
San mateo	N-grnhs plants in containers	2	Pyridalyl	8	43	64

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
San mateo	N-grnhs plants in containers	2	Pymetrozine	4	56	62
San mateo	N-grnhs plants in containers	2	Daminozide	48	46	61
San mateo	N-grnhs plants in containers	2	Cyantraniliprole	7	43	60
San mateo	Water (industrial)	3	Hydrogen peroxide	1,469	0	396
San mateo	Water (industrial)	3	Peroxyacetic acid	339	0	396
San mateo	Water (industrial)	3	Imazamox, ammonium salt	579	0	376
San mateo	Water (industrial)	3	5-chloro-2-methyl-4-isothiazolin-3-one	70	0	0
San mateo	Water (industrial)	3	1,3-dichloro-5,5-dimethylhydantoin	246	0	0
San mateo	Grape, wine	4	Mineral oil	1,805	54	246
San mateo	Grape, wine	4	Cuprous oxide	122	20	116
San mateo	Grape, wine	4	Polybutene	14	19	94
San mateo	Grape, wine	4	Propylene glycol	7	24	80
San mateo	Grape, wine	4	Sulfur	223	18	77
San mateo	Uncultivated non-ag	5	Glyphosate, isopropylamine salt	16	0	119
San mateo	Uncultivated non-ag	5	Triclopyr choline	6	0	106
San mateo	Uncultivated non-ag	5	Aminopyralid, triisopropanolamine salt	< 1	0	78
San mateo	Uncultivated non-ag	5	Triclopyr, triethylamine salt	< 1	0	44
San mateo	Uncultivated non-ag	5	Imazapyr, isopropylamine salt	< 1	0	40
Santa barbara	Strawberry	1	Captan	124,298	1,970	68,733
Santa barbara	Strawberry	1	Captan, other related	2,508	1,719	60,328
Santa barbara	Strawberry	1	Sulfur	214,986	1,473	46,686
Santa barbara	Strawberry	1	Propylene glycol	3,883	1,238	44,901
Santa barbara	Strawberry	1	Propionic acid	8,700	983	41,870
Santa barbara	Grape, wine	2	Sulfur	529,497	2,442	97,122
Santa barbara	Grape, wine	2	Propylene glycol	2,593	803	39,712

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa barbara	Grape, wine	2	Mineral oil	72,553	672	28,169
Santa barbara	Grape, wine	2	Ammonium sulfate	3,249	477	18,228
Santa barbara	Grape, wine	2	Citric acid	2,584	582	18,096
Santa barbara	Lettuce, head	3	Permethrin	2,492	1,198	12,700
Santa barbara	Lettuce, head	3	Spirotetramat	971	1,070	12,567
Santa barbara	Lettuce, head	3	Mandipropamid	931	616	7,141
Santa barbara	Lettuce, head	3	Imidacloprid	1,551	628	6,874
Santa barbara	Lettuce, head	3	Lambda-cyhalothrin	180	454	6,374
Santa barbara	Broccoli	4	Oxyfluorfen	4,609	1,723	16,111
Santa barbara	Broccoli	4	Spirotetramat	1,020	1,161	13,090
Santa barbara	Broccoli	4	Imidacloprid	3,755	1,231	12,694
Santa barbara	Broccoli	4	Polybutene	827	805	8,770
Santa barbara	Broccoli	4	Indoxacarb	467	698	7,125
Santa barbara	Lettuce, leaf	5	Permethrin	2,001	1,019	10,522
Santa barbara	Lettuce, leaf	5	Polybutene	648	1,038	7,566
Santa barbara	Lettuce, leaf	5	Spinetoram	437	864	7,554
Santa barbara	Lettuce, leaf	5	Mandipropamid	883	683	6,791
Santa barbara	Lettuce, leaf	5	Spirotetramat	488	612	6,205
Santa clara	N-grnhs transplants	1	Paclobutrazol	12	1,207	62,130
Santa clara	N-grnhs transplants	1	Daminozide	178	463	20,970
Santa clara	N-grnhs transplants	1	Phosphoric acid	6	313	15,300
Santa clara	N-grnhs transplants	1	Isopropyl alcohol	9	313	15,300
Santa clara	N-grnhs transplants	1	Dodecylbenzene sulfonic acid	23	282	14,160
Santa clara	Lettuce, leaf	2	Lambda-cyhalothrin	138	462	4,493
Santa clara	Lettuce, leaf	2	Phosphoric acid	74	424	3,771
Santa clara	Lettuce, leaf	2	Spirotetramat	193	297	2,573
Santa clara	Lettuce, leaf	2	Spinetoram	109	237	2,266

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa clara	Lettuce, leaf	2	Imidacloprid	100	259	2,191
Santa clara	Pepper, fruiting	3	Propylene glycol	184	234	5,149
Santa clara	Pepper, fruiting	3	Lambda-cyhalothrin	63	92	2,092
Santa clara	Pepper, fruiting	3	Zeta-cypermethrin	51	89	2,070
Santa clara	Pepper, fruiting	3	Methoxyfenozide	323	70	1,837
Santa clara	Pepper, fruiting	3	Fluxapyroxad	146	76	1,678
Santa clara	Tomato	4	Propylene glycol	109	101	2,794
Santa clara	Tomato	4	Spinetoram	112	76	2,215
Santa clara	Tomato	4	Lambda-cyhalothrin	55	59	1,789
Santa clara	Tomato	4	Chlorothalonil	2,252	54	1,412
Santa clara	Tomato	4	Zeta-cypermethrin	32	44	1,290
Santa clara	Cherry	5	Propylene glycol	701	71	2,831
Santa clara	Cherry	5	Gibberellins	126	69	1,910
Santa clara	Cherry	5	Lambda-cyhalothrin	61	56	1,518
Santa clara	Cherry	5	Fluopyram	147	63	1,356
Santa clara	Cherry	5	Trifloxystrobin	146	62	1,273
Santa cruz	Strawberry	1	Pyraclostrobin	889	215	5,012
Santa cruz	Strawberry	1	Novaluron	280	182	3,883
Santa cruz	Strawberry	1	Fludioxonil	835	156	3,869
Santa cruz	Strawberry	1	Captan	7,155	216	3,850
Santa cruz	Strawberry	1	Bacillus thuringiensis subsp. kurstaki strain: abts-351	2,499	201	3,848
Santa cruz	Blackberry	2	Soybean oil	71,328	369	4,711
Santa cruz	Blackberry	2	Mineral oil	23,336	268	3,039
Santa cruz	Blackberry	2	Azadirachtin	85	137	2,252
Santa cruz	Blackberry	2	Margosa oil	792	110	1,755
Santa cruz	Blackberry	2	Chromobacterium subtsugae strain: praa4-1	1,397	123	1,704

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Santa cruz	Lettuce, head	3	Permethrin	597	307	3,126
Santa cruz	Lettuce, head	3	Potassium phosphite	6,674	269	2,606
Santa cruz	Lettuce, head	3	Mancozeb	3,677	242	2,449
Santa cruz	Lettuce, head	3	Lambda-cyhalothrin	62	213	2,204
Santa cruz	Lettuce, head	3	Propamocarb hydrochloride	1,266	110	1,269
Santa cruz	Raspberry	4	Zeta-cypermethrin	46	155	1,827
Santa cruz	Raspberry	4	Spinetoram	122	126	1,552
Santa cruz	Raspberry	4	Carfentrazone-ethyl	92	104	1,448
Santa cruz	Raspberry	4	Myclobutanil	103	115	1,436
Santa cruz	Raspberry	4	Cyantraniliprole	150	83	1,369
Santa cruz	Lettuce, leaf	5	Permethrin	407	236	2,210
Santa cruz	Lettuce, leaf	5	Lambda-cyhalothrin	53	190	1,878
Santa cruz	Lettuce, leaf	5	Potassium phosphite	4,510	198	1,829
Santa cruz	Lettuce, leaf	5	Mancozeb	2,523	169	1,637
Santa cruz	Lettuce, leaf	5	Propamocarb hydrochloride	1,087	107	1,107
Shasta	Forest, timberland	1	Imazapyr, isopropylamine salt	4,740	413	11,320
Shasta	Forest, timberland	1	Glyphosate, isopropylamine salt	19,295	383	11,004
Shasta	Forest, timberland	1	Glyphosate, diammonium salt	24,798	262	8,859
Shasta	Forest, timberland	1	Potassium bicarbonate	285	168	6,265
Shasta	Forest, timberland	1	Alkyl (c10-16) dimethyl amine oxide	1,708	168	6,265
Shasta	Walnut	2	Imidacloprid	14	123	3,140
Shasta	Walnut	2	Beta-cyfluthrin	3	121	3,055
Shasta	Walnut	2	Glyphosate, potassium salt	2,225	78	1,302
Shasta	Walnut	2	Mancozeb	1,559	49	1,146
Shasta	Walnut	2	Copper hydroxide	3,480	48	1,130
Shasta	Forage hay/silage	3	2,4-d, dimethylamine salt	3,354	62	3,537
Shasta	Forage hay/silage	3	Dicamba, dimethylamine salt	490	50	2,526

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Shasta	Forage hay/silage	3	Beta-cyfluthrin	33	17	1,401
Shasta	Forage hay/silage	3	Chlorantraniliprole	3	8	260
Shasta	Forage hay/silage	3	Glyphosate, isopropylamine salt	667	6	227
Shasta	Alfalfa	4	Clethodim	269	36	1,902
Shasta	Alfalfa	4	Glyphosate, isopropylamine salt	1,945	25	1,496
Shasta	Alfalfa	4	Citric acid	8	11	642
Shasta	Alfalfa	4	Ammonium sulfate	149	10	637
Shasta	Alfalfa	4	Phosphoric acid	47	11	632
Shasta	Timothy	5	Beta-cyfluthrin	14	12	620
Shasta	Timothy	5	2,4-d, dimethylamine salt	457	13	482
Shasta	Timothy	5	Dicamba, dimethylamine salt	69	10	424
Shasta	Timothy	5	Lambda-cyhalothrin	12	6	389
Shasta	Timothy	5	Glyphosate, isopropylamine salt	805	6	218
Sierra	Forest, timberland	1	Sodium tetraborate decahydrate	408	8	1,213
Sierra	Forest, timberland	1	Glyphosate, diammonium salt	3,400	103	957
Sierra	Forest, timberland	1	Fatty acids, methyl esters	2,050	68	923
Sierra	Forest, timberland	1	Glyphosate, isopropylamine salt	486	6	462
Sierra	Forest, timberland	1	Aminopyralid, triisopropanolamine salt	13	0	200
Sierra	Alfalfa	2	Imazethapyr, ammonium salt	36	7	356
Sierra	Alfalfa	2	Clethodim	6	1	60
Sierra	Alfalfa	2	Glyphosate, isopropylamine salt	73	2	52
Sierra	Alfalfa	2	Diflubenzuron	1	1	12
Sierra	Grain	3	Glyphosate, isopropylamine salt	273	2	200
Sierra	Grain	3	Citric acid	2	1	60
Sierra	Grain	3	Ammonium sulfate	1	1	60
Sierra	Uncultivated non-ag	4	Glyphosate, isopropylamine salt	2	0	3
Sierra	Uncultivated non-ag	4	Rimsulfuron	< 1	0	3

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sierra	Uncultivated non-ag	4	Aminocyclopyrachlor, potassium salt	< 1	0	1
Sierra	Uncultivated non-ag	4	Chlorsulfuron	< 1	0	1
Sierra	Uncultivated non-ag	4	Indaziflam	< 1	0	1
Siskiyou	Strawberry	1	Hydrogen peroxide	50,799	286	13,850
Siskiyou	Strawberry	1	Peroxyacetic acid	21,950	286	13,850
Siskiyou	Strawberry	1	Sulfur	37,393	222	10,641
Siskiyou	Strawberry	1	Mineral oil	431	156	4,718
Siskiyou	Strawberry	1	Captan	6,042	83	3,963
Siskiyou	Alfalfa	2	Metribuzin	4,411	133	8,189
Siskiyou	Alfalfa	2	Paraquat dichloride	6,162	115	7,906
Siskiyou	Alfalfa	2	Citric acid	630	122	7,898
Siskiyou	Alfalfa	2	Ammonium sulfate	1,166	106	6,766
Siskiyou	Alfalfa	2	Propionic acid	707	131	6,276
Siskiyou	Forest, timberland	3	Glyphosate, isopropylamine salt	34,674	264	13,361
Siskiyou	Forest, timberland	3	Citric acid	76	57	7,296
Siskiyou	Forest, timberland	3	Ammonium sulfate	2,392	52	6,910
Siskiyou	Forest, timberland	3	Imazapyr, isopropylamine salt	3,391	105	6,431
Siskiyou	Forest, timberland	3	Hexazinone	5,780	83	5,330
Siskiyou	Potato	4	Rimsulfuron	62	59	3,213
Siskiyou	Potato	4	Mefenoxam	295	54	2,944
Siskiyou	Potato	4	Chlorothalonil	2,659	48	2,628
Siskiyou	Potato	4	Copper hydroxide	1,261	41	2,514
Siskiyou	Potato	4	Fluopyram	231	37	2,076
Siskiyou	Forage hay/silage	5	Dicamba, dimethylamine salt	1,082	27	3,525
Siskiyou	Forage hay/silage	5	2,4-d, dimethylamine salt	2,724	24	2,404
Siskiyou	Forage hay/silage	5	Glyphosate, potassium salt	3,318	16	1,604
Siskiyou	Forage hay/silage	5	Mcpa, dimethylamine salt	1,634	14	1,575

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Siskiyou	Forage hay/silage	5	Lambda-cyhalothrin	7	5	222
Solano	Almond	1	Glufosinate-ammonium	23,879	369	24,560
Solano	Almond	1	Azoxystrobin	3,404	179	18,106
Solano	Almond	1	Abamectin	354	212	17,478
Solano	Almond	1	Glyphosate, potassium salt	39,783	295	17,392
Solano	Almond	1	Oxyfluorfen	7,324	186	15,530
Solano	Tomato, processing	2	Bifenthrin	1,700	380	20,194
Solano	Tomato, processing	2	Carbaryl	6,981	159	10,059
Solano	Tomato, processing	2	S-metolachlor	17,741	165	10,022
Solano	Tomato, processing	2	Trifluralin	6,636	165	10,004
Solano	Tomato, processing	2	Sulfur	187,675	132	9,072
Solano	Grape, wine	3	Sulfur	226,562	1,002	24,232
Solano	Grape, wine	3	Ammonium sulfate	2,846	117	4,104
Solano	Grape, wine	3	Glufosinate-ammonium	4,053	182	4,067
Solano	Grape, wine	3	Mineral oil	8,769	105	3,130
Solano	Grape, wine	3	Glyphosate, potassium salt	4,164	75	2,374
Solano	Alfalfa	4	Glyphosate, potassium salt	30,285	362	17,274
Solano	Alfalfa	4	Clethodim	3,322	279	13,424
Solano	Alfalfa	4	Ammonium sulfate	2,562	185	8,927
Solano	Alfalfa	4	Lambda-cyhalothrin	213	156	7,704
Solano	Alfalfa	4	Indoxacarb	748	135	6,466
Solano	Uncultivated ag	5	Ammonium sulfate	5,763	373	20,405
Solano	Uncultivated ag	5	Glyphosate, potassium salt	25,272	315	14,935
Solano	Uncultivated ag	5	Oxyfluorfen	1,131	187	9,256
Solano	Uncultivated ag	5	Glyphosate, isopropylamine salt	13,642	133	7,359
Solano	Uncultivated ag	5	Citric acid	173	126	7,014
Sonoma	Grape, wine	1	Sulfur	1,568,619	13,775	235,671

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sonoma	Grape, wine	1	Mineral oil	326,146	4,084	64,749
Sonoma	Grape, wine	1	Quinoxyfen	3,355	2,125	34,069
Sonoma	Grape, wine	1	Fluopyram	3,016	1,545	27,844
Sonoma	Grape, wine	1	Cyprodinil	5,830	1,965	27,419
Sonoma	Apple	2	Lime-sulfur	8,809	122	939
Sonoma	Apple	2	Sulfur	6,857	110	799
Sonoma	Apple	2	Mineral oil	17,621	96	724
Sonoma	Apple	2	Bacillus thuringiensis subsp. kurstaki strain: abts-351	658	78	643
Sonoma	Apple	2	(e,e)-8,10-dodecadien-1-ol	< 1	30	281
Sonoma	Uncultivated ag	3	2,4-d, dimethylamine salt	852	3	956
Sonoma	Uncultivated ag	3	Glyphosate, potassium salt	1,035	4	886
Sonoma	Uncultivated ag	3	Ammonium sulfate	87	0	62
Sonoma	Uncultivated ag	3	Flumioxazin	23	0	62
Sonoma	Uncultivated ag	3	Sulfur	172	1	17
Sonoma	N-outdr plants in containers	4	Spinosad	2	50	236
Sonoma	N-outdr plants in containers	4	Azadirachtin	< 1	46	230
Sonoma	N-outdr plants in containers	4	Bacillus thuringiensis subsp. kurstaki strain: abts-351	15	31	155
Sonoma	N-outdr plants in containers	4	Pymetrozine	3	29	145
Sonoma	N-outdr plants in containers	4	Pyrifluquinazon	< 1	29	145
Sonoma	Oat	5	Bromoxynil heptanoate	354	4	1,030
Sonoma	Oat	5	Bromoxynil octanoate	368	4	1,030
Sonoma	Oat	5	Glyphosate, isopropylamine salt	318	3	425
Sonoma	Oat	5	2,4-d, dimethylamine salt	175	3	206

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sonoma	Oat	5	Glyphosate, potassium salt	46	1	41
Stanislaus	Almond	1	Abamectin	3,136	2,606	165,341
Stanislaus	Almond	1	Mineral oil	1,041,045	2,781	163,956
Stanislaus	Almond	1	Oxyfluorfen	39,340	3,532	144,743
Stanislaus	Almond	1	Methoxyfenozide	47,394	2,343	144,132
Stanislaus	Almond	1	Lambda-cyhalothrin	5,371	2,462	141,477
Stanislaus	Walnut	2	Glufosinate-ammonium	14,714	650	15,047
Stanislaus	Walnut	2	Citric acid	1,260	540	13,379
Stanislaus	Walnut	2	Oxyfluorfen	3,507	552	12,046
Stanislaus	Walnut	2	Glyphosate, isopropylamine salt	24,651	509	11,949
Stanislaus	Walnut	2	Phosphoric acid	1,066	516	11,306
Stanislaus	Corn (forage - fodder)	3	Glyphosate, potassium salt	24,774	501	18,088
Stanislaus	Corn (forage - fodder)	3	Tembotrione	1,301	457	16,024
Stanislaus	Corn (forage - fodder)	3	Glyphosate, isopropylamine salt	21,662	407	14,789
Stanislaus	Corn (forage - fodder)	3	Spiromesifen	3,462	380	13,767
Stanislaus	Corn (forage - fodder)	3	Etoxazole	1,464	320	13,478
Stanislaus	Grape, wine	4	Sulfur	324,513	505	32,507
Stanislaus	Grape, wine	4	Glufosinate-ammonium	6,803	207	5,328
Stanislaus	Grape, wine	4	Abamectin	53	54	3,164
Stanislaus	Grape, wine	4	Mineral oil	828	99	3,003
Stanislaus	Grape, wine	4	Oxyfluorfen	1,517	91	2,897
Stanislaus	Tomato, processing	5	Lambda-cyhalothrin	278	168	9,482
Stanislaus	Tomato, processing	5	Chlorothalonil	15,517	117	7,784
Stanislaus	Tomato, processing	5	Sulfur	133,036	73	5,448
Stanislaus	Tomato, processing	5	Methoxyfenozide	829	80	5,120
Stanislaus	Tomato, processing	5	Azoxystrobin	490	65	4,700
Sutter	Rice	1	Propanil	504,303	1,291	120,783

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Sutter	Rice	1	Ammonium sulfate	45,094	799	70,300
Sutter	Rice	1	Mineral oil	126,206	607	60,030
Sutter	Rice	1	Benzobicyclon	13,857	585	58,747
Sutter	Rice	1	Triclopyr, triethylamine salt	12,311	540	52,855
Sutter	Walnut	2	Copper hydroxide	59,360	413	13,555
Sutter	Walnut	2	Ammonium sulfate	4,751	530	13,096
Sutter	Walnut	2	Mancozeb	20,519	389	12,260
Sutter	Walnut	2	Glyphosate, potassium salt	25,291	501	11,667
Sutter	Walnut	2	Glyphosate, isopropylamine salt	19,923	397	11,032
Sutter	Almond	3	Ammonium sulfate	3,360	203	9,376
Sutter	Almond	3	Glufosinate-ammonium	9,260	171	9,065
Sutter	Almond	3	Abamectin	199	168	8,983
Sutter	Almond	3	Azoxystrobin	1,768	155	8,847
Sutter	Almond	3	Glyphosate, potassium salt	20,453	176	8,480
Sutter	Peach	4	Chlorantraniliprole	900	662	10,375
Sutter	Peach	4	Esfenvalerate	694	665	10,318
Sutter	Peach	4	Mineral oil	124,952	424	6,890
Sutter	Peach	4	Propiconazole	758	452	6,779
Sutter	Peach	4	Lambda-cyhalothrin	246	411	6,513
Sutter	Uncultivated ag	5	Ammonium sulfate	6,944	348	22,905
Sutter	Uncultivated ag	5	Glyphosate, isopropylamine salt	36,091	267	19,900
Sutter	Uncultivated ag	5	Oxyfluorfen	2,516	203	14,982
Sutter	Uncultivated ag	5	Carfentrazone-ethyl	114	103	8,150
Sutter	Uncultivated ag	5	Clethodim	1,865	150	8,010
Tehama	Walnut	1	Citric acid	3,615	2,243	27,829
Tehama	Walnut	1	Mancozeb	44,075	944	24,588
Tehama	Walnut	1	Copper hydroxide	103,505	925	24,184

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tehama	Walnut	1	Oxyfluorfen	4,780	1,668	20,717
Tehama	Walnut	1	Ammonium sulfate	10,695	1,351	20,250
Tehama	Almond	2	Chlorantraniliprole	1,226	327	19,858
Tehama	Almond	2	Citric acid	4,130	282	16,804
Tehama	Almond	2	Pyraclostrobin	1,363	237	14,541
Tehama	Almond	2	Propiconazole	2,882	281	14,277
Tehama	Almond	2	Fluxapyroxad	1,283	215	13,708
Tehama	Prune	3	Propiconazole	353	76	3,062
Tehama	Prune	3	Esfenvalerate	117	62	2,393
Tehama	Prune	3	Glufosinate-ammonium	2,331	98	2,320
Tehama	Prune	3	Glyphosate, potassium salt	4,262	92	2,261
Tehama	Prune	3	Glyphosate, isopropylamine salt	3,957	107	1,948
Tehama	Olive	4	Copper hydroxide	30,714	130	8,589
Tehama	Olive	4	Mineral oil	2,406	131	5,435
Tehama	Olive	4	Spinosad	1	248	3,421
Tehama	Olive	4	Glyphosate, isopropylamine salt	8,511	140	2,625
Tehama	Olive	4	Fenpropathrin	785	35	2,509
Tehama	Forest, timberland	5	Hexazinone	4,325	109	2,955
Tehama	Forest, timberland	5	Glyphosate, isopropylamine salt	4,265	85	2,882
Tehama	Forest, timberland	5	Aminopyralid, triisopropanolamine salt	659	104	2,365
Tehama	Forest, timberland	5	Imazapyr, isopropylamine salt	346	82	1,462
Tehama	Forest, timberland	5	Alkyl (c10-16) dimethyl amine oxide	140	42	813
Trinity	Forest, timberland	1	Imazapyr, isopropylamine salt	2,623	202	4,608
Trinity	Forest, timberland	1	Glyphosate, isopropylamine salt	6,208	198	4,589
Trinity	Forest, timberland	1	Clopyralid, monoethanolamine salt	2,086	69	2,608
Trinity	Forest, timberland	1	Glyphosate, diammonium salt	4,938	94	2,436
Trinity	Forest, timberland	1	Indaziflam	165	50	2,013

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Trinity	None	2	Glyphosate, isopropylamine salt	103	3	66
Trinity	None	2	Triclopyr choline	47	1	28
Tulare	Almond	1	Mineral oil	1,212,031	1,924	111,743
Tulare	Almond	1	Chlorantraniliprole	5,656	1,013	71,749
Tulare	Almond	1	Abamectin	1,071	789	59,129
Tulare	Almond	1	Methoxyfenozide	20,392	936	54,476
Tulare	Almond	1	Glufosinate-ammonium	54,648	1,212	54,469
Tulare	Orange	2	Mineral oil	2,661,901	10,692	200,363
Tulare	Orange	2	Cyantraniliprole	6,174	3,617	68,152
Tulare	Orange	2	Calcium hydroxide	1,582,956	3,601	66,124
Tulare	Orange	2	Abamectin	1,458	3,437	64,786
Tulare	Orange	2	2,4-d, isopropyl ester	5,537	3,432	61,619
Tulare	Grape	3	Sulfur	1,520,038	6,026	265,214
Tulare	Grape	3	Gibberellins	917	1,387	56,774
Tulare	Grape	3	Copper oxychloride	65,517	759	30,270
Tulare	Grape	3	Copper hydroxide	13,649	742	30,118
Tulare	Grape	3	Glufosinate-ammonium	23,982	1,051	24,478
Tulare	Pistachio	4	Bifenthrin	11,574	760	61,653
Tulare	Pistachio	4	Lambda-cyhalothrin	2,442	830	58,711
Tulare	Pistachio	4	Glufosinate-ammonium	52,184	1,335	56,568
Tulare	Pistachio	4	Citric acid	4,271	960	50,993
Tulare	Pistachio	4	Ammonium sulfate	20,988	963	43,779
Tulare	Tangerine	5	Mineral oil	894,054	3,581	80,455
Tulare	Tangerine	5	Citric acid	1,519	1,005	23,872
Tulare	Tangerine	5	Abamectin	526	1,135	22,821
Tulare	Tangerine	5	Ammonium sulfate	7,254	879	22,252
Tulare	Tangerine	5	Calcium hydroxide	338,923	980	22,049

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Tuolumne	Forest, timberland	1	Phosphoric acid	307	168	3,477
Tuolumne	Forest, timberland	1	Citric acid	56	168	3,477
Tuolumne	Forest, timberland	1	Ammonium sulfate	991	168	3,477
Tuolumne	Forest, timberland	1	Glyphosate, diammonium salt	12,483	166	3,211
Tuolumne	Forest, timberland	1	Glyphosate, isopropylamine salt	8,930	79	2,968
Tuolumne	Rights of way	2	Glyphosate, isopropylamine salt	2,918	18	593
Tuolumne	Rights of way	2	Clopyralid, monoethanolamine salt	46	1	14
Tuolumne	Rights of way	2	Mineral oil	4	0	0
Tuolumne	Rights of way	2	Dithiopyr	211	0	0
Tuolumne	Rights of way	2	Urea dihydrogen sulfate	2	0	0
Tuolumne	Golf course turf	3	Imidacloprid	20	0	51
Tuolumne	Golf course turf	3	Dithiopyr	53	0	48
Tuolumne	Golf course turf	3	Triclopyr, triethylamine salt	19	0	24
Tuolumne	Golf course turf	3	Clopyralid,triethylamine salt	7	0	24
Tuolumne	Golf course turf	3	Trinexapac-ethyl	< 1	0	18
Tuolumne	Animal premise	4	Difethialone	< 1	7	75
Tuolumne	Animal premise	4	Bromadiolone	< 1	4	47
Tuolumne	Animal premise	4	Brodifacoum	< 1	2	25
Tuolumne	Animal premise	4	Cholecalciferol	< 1	1	10
Tuolumne	Rangeland	5	Aminopyralid, triisopropanolamine salt	8	11	136
Tuolumne	Rangeland	5	Triclopyr, butoxyethyl ester	3	4	5
Tuolumne	Rangeland	5	Glyphosate, isopropylamine salt	< 1	1	2
Ventura	Strawberry	1	Captan	149,567	1,862	90,060
Ventura	Strawberry	1	Captan, other related	2,386	1,312	63,723
Ventura	Strawberry	1	Mineral oil	5,645	959	45,026
Ventura	Strawberry	1	Propionic acid	6,544	851	42,599
Ventura	Strawberry	1	Thiram	79,625	706	36,129

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Ventura	Celery	2	Propiconazole	2,416	1,255	20,971
Ventura	Celery	2	Chlorothalonil	20,825	591	10,814
Ventura	Celery	2	Permethrin	1,800	579	9,579
Ventura	Celery	2	Methoxyfenozide	1,084	456	7,345
Ventura	Celery	2	Copper hydroxide	3,125	410	7,221
Ventura	Lemon	3	Mineral oil	865,375	1,209	26,745
Ventura	Lemon	3	Abamectin	397	886	19,501
Ventura	Lemon	3	Glyphosate, potassium salt	29,014	937	17,862
Ventura	Lemon	3	Glufosinate-ammonium	5,049	674	13,788
Ventura	Lemon	3	Glyphosate, isopropylamine salt	12,491	726	8,132
Ventura	Avocado	4	Mineral oil	268,914	835	16,933
Ventura	Avocado	4	Abamectin	313	677	14,540
Ventura	Avocado	4	Glyphosate, potassium salt	15,253	1,087	12,042
Ventura	Avocado	4	Glyphosate, isopropylamine salt	13,867	1,143	8,301
Ventura	Avocado	4	Glufosinate-ammonium	2,160	449	6,104
Ventura	Pepper, fruiting	5	Spinetoram	215	151	3,699
Ventura	Pepper, fruiting	5	Novaluron	289	144	3,695
Ventura	Pepper, fruiting	5	Flutriafol	406	156	3,573
Ventura	Pepper, fruiting	5	Cyantraniliprole	316	144	3,545
Ventura	Pepper, fruiting	5	Abamectin	56	129	3,224
Yolo	Almond	1	Chlorantraniliprole	2,308	440	28,806
Yolo	Almond	1	Methoxyfenozide	9,673	390	26,539
Yolo	Almond	1	Abamectin	422	318	24,167
Yolo	Almond	1	Ammonium sulfate	6,867	412	21,626
Yolo	Almond	1	Bifenthrin	4,059	323	21,466
Yolo	Grape, wine	2	Sulfur	1,452,015	2,720	122,963
Yolo	Grape, wine	2	Mineral oil	23,947	420	9,999

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yolo	Grape, wine	2	Methoxyfenozide	1,875	218	9,930
Yolo	Grape, wine	2	Glufosinate-ammonium	8,283	448	9,254
Yolo	Grape, wine	2	Abamectin	135	169	8,002
Yolo	Tomato, processing	3	Bifenthrin	2,682	458	29,806
Yolo	Tomato, processing	3	Abamectin	334	302	20,694
Yolo	Tomato, processing	3	S-metolachlor	26,845	293	16,546
Yolo	Tomato, processing	3	Trifluralin	11,458	280	16,024
Yolo	Tomato, processing	3	Azoxystrobin	1,597	202	15,485
Yolo	Rice	4	Propanil	114,936	263	28,966
Yolo	Rice	4	Triclopyr, triethylamine salt	3,809	163	18,388
Yolo	Rice	4	Benzobicyclon	3,608	150	17,180
Yolo	Rice	4	Fatty acids, methyl esters	23,916	158	16,399
Yolo	Rice	4	Ammonium sulfate	5,198	133	14,539
Yolo	Uncultivated ag	5	Ammonium sulfate	4,735	604	39,005
Yolo	Uncultivated ag	5	Glyphosate, isopropylamine salt	52,322	446	30,649
Yolo	Uncultivated ag	5	Citric acid	813	439	27,818
Yolo	Uncultivated ag	5	Oxyfluorfen	3,137	417	26,311
Yolo	Uncultivated ag	5	Phosphoric acid	519	332	20,707
Yuba	Rice	1	Propanil	187,202	718	45,401
Yuba	Rice	1	Benzobicyclon	5,749	374	24,096
Yuba	Rice	1	Lambda-cyhalothrin	621	430	23,909
Yuba	Rice	1	Halosulfuron-methyl	888	316	18,070
Yuba	Rice	1	Azoxystrobin	3,677	263	17,714
Yuba	Walnut	2	Copper hydroxide	33,682	254	10,025
Yuba	Walnut	2	Mancozeb	16,578	214	9,256
Yuba	Walnut	2	Glyphosate, potassium salt	16,641	196	8,310
Yuba	Walnut	2	Citric acid	935	164	7,204

County	Commodity or Site	Rank	Chemical	Pounds Applied	Apps	Acres Treated
Yuba	Walnut	2	Ethephon	5,583	136	6,949
Yuba	Almond	3	Glufosinate-ammonium	3,132	36	2,866
Yuba	Almond	3	Clethodim	280	33	2,603
Yuba	Almond	3	Mineral oil	3,032	34	2,569
Yuba	Almond	3	Glyphosate, potassium salt	5,737	43	2,506
Yuba	Almond	3	Chlorantraniliprole	210	36	2,354
Yuba	Prune	4	Chlorothalonil	10,328	79	3,426
Yuba	Prune	4	Esfenvalerate	214	76	3,328
Yuba	Prune	4	Propiconazole	285	68	3,132
Yuba	Prune	4	Mineral oil	40,441	71	2,902
Yuba	Prune	4	Glyphosate, isopropylamine salt	3,848	118	2,699
Yuba	Peach	5	Chlorantraniliprole	207	215	2,479
Yuba	Peach	5	Lambda-cyhalothrin	92	207	2,444
Yuba	Peach	5	Esfenvalerate	144	170	2,149
Yuba	Peach	5	Azoxystrobin	446	184	2,070
Yuba	Peach	5	Mineral oil	31,957	165	1,875