

The Top Five Commodities by Pounds in each County in 2019

Text files of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. The ranking of commodities (sites) is determined by total pounds of chemicals used. Acres treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres. Cumulative acres treated totals include pesticide use reports (PURs) with unit treated equal to acres (A) or square feet (S), the latter of which was converted to acres. PURs with volume (cubic feet, etc.), weight (tons, lbs, etc.), or miscellaneous units (bins, holes, etc.) are not included in the acres treated totals. Most nonagricultural PURs are not required to report acres treated, so the acres treated totals are predominantly agricultural pesticide uses. Application counts (Apps) include only agricultural pesticide uses. A zero value in acres treated or number of applications therefore indicates nonagricultural uses. Values are rounded. N-outdoor = Outdoor nursery. N-grnhs = Greenhouse nursery. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Alameda	Structural pest control	95,485	0	0
Alameda	Grape, wine	57,391	6,784	54,653
Alameda	Landscape maintenance	50,512	1	1
Alameda	Rights of way	44,192	0	0
Alameda	Water (industrial)	7,639	0	76
Alpine	Rights of way	247	0	0
Alpine	Structural pest control	86	0	0
Alpine	Regulatory pest control	62	0	0
Alpine	Rangeland	60	5	23
Alpine	Alfalfa	4	6	5
Amador	Grape, wine	110,746	5,418	52,013
Amador	Forest, timberland	10,671	79	2,184
Amador	Rights of way	4,616	6	40
Amador	Landscape maintenance	3,990	6	321
Amador	Alfalfa	2,352	71	3,649
Butte	Walnut	1,119,257	20,256	818,816

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Butte	Rice	882,810	7,564	603,120
Butte	Almond	418,976	11,543	503,884
Butte	Prune	132,317	1,602	62,237
Butte	Uncultivated ag	90,935	113	6,867
Calaveras	Grape, wine	13,808	861	7,359
Calaveras	Forest, timberland	13,155	305	5,427
Calaveras	Rights of way	8,799	6	5
Calaveras	Landscape maintenance	8,334	0	0
Calaveras	Walnut	6,821	106	4,262
Colusa	Rice	989,138	10,111	691,375
Colusa	Almond	554,071	15,406	946,291
Colusa	Walnut	302,747	4,426	224,609
Colusa	Tomato, processing	220,231	3,203	186,109
Colusa	Uncultivated ag	104,571	1,655	113,606
Contra Costa	Grape, wine	147,462	2,706	32,720
Contra Costa	Structural pest control	54,761	0	0
Contra Costa	Tomato, processing	49,114	853	35,899
Contra Costa	Landscape maintenance	45,568	22	22
Contra Costa	Rights of way	34,943	13	13
Del Norte	Soil fumigation/preplant	142,978	56	472
Del Norte	N-outdr flower	83,065	2,650	18,918
Del Norte	Forest, timberland	1,128	82	1,335
Del Norte	Rights of way	335	3	0
Del Norte	N-grnhs plants in containers	298	500	267
El Dorado	Grape, wine	64,149	4,363	36,845
El Dorado	Forest, timberland	60,491	897	15,033
El Dorado	Rights of way	18,580	7	13
El Dorado	Structural pest control	14,089	0	0

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
El Dorado	Apple	13,085	584	3,456
Fresno	Almond	9,696,729	91,055	5,700,283
Fresno	Tomato, processing	5,241,097	10,819	1,260,773
Fresno	Grape	5,141,084	64,871	2,015,083
Fresno	Grape, wine	2,469,225	14,647	1,053,385
Fresno	Pistachio	1,634,015	21,073	1,865,178
Glenn	Almond	755,492	14,996	1,028,395
Glenn	Rice	711,245	8,975	520,366
Glenn	Walnut	494,271	11,330	404,010
Glenn	Olive	84,224	1,761	42,123
Glenn	Rights of way	65,018	15	152
Humboldt	Forest, timberland	23,809	847	16,025
Humboldt	Rights of way	3,333	0	0
Humboldt	Structural pest control	2,379	0	0
Humboldt	Cannabis (all or unspecified)	1,254	1,295	79
Humboldt	N-grnhs flower	1,155	1,451	2,205
Imperial	Rights of way	1,347,457	0	0
Imperial	Alfalfa	978,700	21,746	1,474,982
Imperial	Sugarbeet	908,985	4,800	337,548
Imperial	Carrot	810,144	2,360	113,945
Imperial	Bermudagrass	566,622	2,254	155,676
Inyo	Rights of way	5,050	0	0
Inyo	Alfalfa	2,211	47	3,968
Inyo	Forage hay/silage	441	5	415
Inyo	Garlic	403	14	687
Inyo	Uncultivated ag	333	18	330
Kern	Almond	8,316,841	64,008	4,575,353
Kern	Grape	5,593,682	51,042	2,477,281

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Kern	Carrot	3,153,930	2,833	169,980
Kern	Orange	3,100,888	16,925	647,410
Kern	Pistachio	2,078,897	22,230	1,757,496
Kings	Tomato, processing	1,679,040	2,991	411,906
Kings	Cotton	1,510,853	21,794	3,837,419
Kings	Almond	961,925	13,612	798,549
Kings	Soil fumigation/preplant	797,119	268	25,279
Kings	Pistachio	607,875	10,193	623,875
Lake	Grape, wine	485,898	8,302	163,119
Lake	Pear	305,575	2,957	58,533
Lake	Water area	10,670	7	712
Lake	Landscape maintenance	9,806	0	0
Lake	Rights of way	6,484	123	898
Lassen	Strawberry	85,261	188	4,157
Lassen	Soil fumigation/preplant	24,098	3	67
Lassen	Alfalfa	18,221	476	42,809
Lassen	Forest, timberland	17,009	274	12,458
Lassen	Rights of way	6,271	33	237
Los Angeles	Structural pest control	915,109	0	0
Los Angeles	Carrot	311,047	418	31,202
Los Angeles	Rights of way	220,317	0	0
Los Angeles	Water (industrial)	153,268	0	0
Los Angeles	Landscape maintenance	136,680	40	110
Madera	Almond	4,095,813	52,825	3,040,212
Madera	Grape, wine	2,226,050	11,460	676,482
Madera	Grape	1,444,658	10,869	487,052
Madera	Pistachio	688,696	13,198	857,295
Madera	Tangerine	189,274	1,137	69,346

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Marin	Landscape maintenance	21,299	0	0
Marin	Structural pest control	17,928	0	0
Marin	Water area	10,389	0	30
Marin	Rights of way	7,789	0	0
Marin	Grape, wine	5,868	320	2,215
Mariposa	Rights of way	11,179	91	194
Mariposa	Rangeland	1,320	21	653
Mariposa	Landscape maintenance	734	0	0
Mariposa	Forest, timberland	476	10	306
Mariposa	Structural pest control	427	0	0
Mendocino	Lumber, treated	1,394,943	0	0
Mendocino	Grape, wine	701,324	11,363	214,996
Mendocino	Pear	126,026	922	34,248
Mendocino	Forest, timberland	18,549	488	13,316
Mendocino	Rights of way	16,899	4	10
Merced	Almond	2,937,712	51,390	2,635,271
Merced	Tomato, processing	1,248,988	4,504	289,285
Merced	Sweet potato	1,146,750	1,079	28,056
Merced	Grape, wine	892,287	3,777	290,691
Merced	Animal premise	520,160	0	0
Modoc	Potato	66,821	672	39,796
Modoc	Alfalfa	40,281	1,176	83,089
Modoc	Rights of way	16,197	4	100
Modoc	Forest, timberland	12,955	103	10,667
Modoc	Uncultivated ag	12,906	50	3,436
Mono	Alfalfa	10,140	198	17,327
Mono	Landscape maintenance	434	3	5
Mono	Uncultivated ag	199	6	136

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Mono	Rights of way	174	0	0
Mono	Forage hay/silage	169	6	350
Monterey	Strawberry	3,143,643	20,728	575,608
Monterey	Grape, wine	2,136,442	52,144	1,514,740
Monterey	Lettuce, leaf	830,618	148,949	1,490,078
Monterey	Lettuce, head	469,363	80,914	936,675
Monterey	Broccoli	319,470	48,144	500,542
Napa	Grape, wine	1,465,110	114,043	797,491
Napa	Landscape maintenance	30,290	0	0
Napa	Public health	25,241	0	0
Napa	Fumigation, other	14,434	0	0
Napa	Soil fumigation/preplant	7,966	1	24
Nevada	Grape, wine	19,740	392	7,181
Nevada	Rights of way	19,329	0	0
Nevada	Landscape maintenance	7,264	24	60
Nevada	Forest, timberland	2,921	51	1,835
Nevada	Structural pest control	2,078	0	0
Orange	Structural pest control	441,251	0	0
Orange	Landscape maintenance	393,823	0	0
Orange	Strawberry	70,225	261	5,295
Orange	Rights of way	66,325	32	57
Orange	Public health	36,878	0	0
Placer	Rice	132,045	1,057	58,317
Placer	Walnut	81,043	593	38,527
Placer	Rights of way	37,556	5	5
Placer	Landscape maintenance	34,649	0	0
Placer	Water area	23,472	0	230
Plumas	Forest, timberland	16,859	270	9,305

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Plumas	Rights of way	7,910	6	34
Plumas	Landscape maintenance	1,434	2	6
Plumas	Forage hay/silage	639	10	860
Plumas	Uncultivated ag	517	12	812
Riverside	Pepper, fruiting	572,444	3,151	79,309
Riverside	Lemon	413,214	1,878	89,716
Riverside	Grape	305,127	6,229	184,863
Riverside	Alfalfa	263,911	17,697	699,645
Riverside	Landscape maintenance	137,830	138	683
Sacramento	Grape, wine	3,260,757	12,916	730,246
Sacramento	Pear	673,472	2,861	124,679
Sacramento	Rice	93,760	702	55,989
Sacramento	Structural pest control	77,893	0	0
Sacramento	Landscape maintenance	63,308	53	1,084
San Benito	Grape, wine	150,129	4,709	87,010
San Benito	Pepper, fruiting	119,648	1,691	39,544
San Benito	Lettuce, leaf	64,273	12,079	88,231
San Benito	Ditch bank	36,090	0	0
San Benito	Spinach	31,524	10,280	65,223
San Bernardino	Water (industrial)	170,921	0	23
San Bernardino	Landscape maintenance	122,586	14	189
San Bernardino	Structural pest control	90,113	0	0
San Bernardino	Rights of way	73,290	0	0
San Bernardino	Orange	23,449	2,152	14,794
San Diego	Structural pest control	513,116	2	0
San Diego	Landscape maintenance	142,073	9	3
San Diego	Tomato	109,095	1,205	47,375
San Diego	Rights of way	97,579	0	0

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
San Diego	Orange	74,024	1,399	40,002
San Francisco	Water (industrial)	6,245	0	0
San Francisco	Structural pest control	6,217	0	0
San Francisco	N-grnhs flower	4,443	0	3,554
San Francisco	Landscape maintenance	1,955	0	0
San Francisco	N-grnhs transplants	1,316	0	472
San Joaquin	Grape, wine	7,223,190	41,550	1,390,249
San Joaquin	Almond	1,732,039	34,693	1,385,136
San Joaquin	Walnut	1,115,873	26,506	878,981
San Joaquin	Tomato, processing	700,541	4,747	227,056
San Joaquin	Soil fumigation/preplant	529,243	3,366	151,701
San Luis Obispo	Strawberry	1,081,276	9,603	348,390
San Luis Obispo	Grape, wine	907,190	22,627	710,352
San Luis Obispo	Carrot	105,998	242	12,947
San Luis Obispo	Chinese cabbage (nappa)	61,333	3,384	15,721
San Luis Obispo	Lemon	60,776	880	21,260
San Mateo	Structural pest control	55,481	0	0
San Mateo	Landscape maintenance	50,845	1	20
San Mateo	Rights of way	14,759	0	0
San Mateo	Public health	11,171	0	0
San Mateo	Brussels sprout	10,037	439	5,376
Santa Barbara	Strawberry	2,408,153	20,065	628,642
Santa Barbara	Grape, wine	1,219,564	32,983	575,065
Santa Barbara	Carrot	391,971	907	37,512
Santa Barbara	Lemon	135,937	1,518	20,882
Santa Barbara	N-outdr flower	116,756	8,735	81,539
Santa Clara	Structural pest control	254,503	1	1
Santa Clara	Pepper, fruiting	157,652	1,715	41,432

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Santa Clara	Landscape maintenance	86,930	17	66
Santa Clara	Grape, wine	47,839	1,435	17,988
Santa Clara	Water (industrial)	37,171	0	289
Santa Cruz	Strawberry	651,547	6,086	99,609
Santa Cruz	Raspberry	245,581	3,317	36,497
Santa Cruz	Blackberry	106,021	2,955	21,070
Santa Cruz	Brussels sprout	95,245	1,249	21,898
Santa Cruz	Apple	58,686	812	14,043
Shasta	Forest, timberland	111,891	1,430	67,026
Shasta	Soil fumigation/preplant	65,938	16	179
Shasta	Walnut	36,484	1,184	26,885
Shasta	Rights of way	22,101	43	504
Shasta	Water (industrial)	17,620	0	11
Sierra	Forest, timberland	2,068	50	1,511
Sierra	Forage hay/silage	192	5	200
Sierra	Alfalfa	149	6	274
Sierra	Uncultivated ag	132	1	135
Sierra	Rangeland	100	1	40
Siskiyou	Soil fumigation/preplant	1,019,329	182	3,102
Siskiyou	Potato	65,690	785	40,676
Siskiyou	Forest, timberland	63,104	661	34,491
Siskiyou	Strawberry	58,426	1,254	56,139
Siskiyou	Alfalfa	46,335	1,703	94,256
Solano	Industrial site	None	0	0
Solano	Grape, wine	354,002	4,509	93,273
Solano	Almond	316,808	3,662	299,239
Solano	Tomato, processing	182,544	2,290	96,728
Solano	Uncultivated ag	91,663	2,818	153,366

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Sonoma	Grape, wine	2,373,039	103,602	1,134,795
Sonoma	Apple	52,700	811	6,843
Sonoma	Landscape maintenance	44,891	6	42
Sonoma	Structural pest control	43,911	0	0
Sonoma	Rights of way	24,968	15	300
Stanislaus	Almond	4,798,531	75,647	3,692,988
Stanislaus	Walnut	772,155	16,753	518,124
Stanislaus	Grape, wine	545,782	3,042	152,534
Stanislaus	Landscape maintenance	442,657	2	2
Stanislaus	Tomato, processing	160,468	963	57,442
Sutter	Rice	1,090,487	7,373	656,056
Sutter	Walnut	757,559	14,286	420,716
Sutter	Peach	381,981	5,266	118,793
Sutter	Prune	282,829	2,746	103,662
Sutter	Tomato, processing	240,317	1,470	95,963
Tehama	Walnut	512,723	14,898	406,670
Tehama	Soil fumigation/preplant	333,563	21	1,038
Tehama	Almond	216,784	5,363	281,895
Tehama	Uncultivated ag	111,144	701	7,043
Tehama	Commodity fumigation	72,912	0	0
Trinity	Forest, timberland	31,803	582	21,678
Trinity	Rights of way	13,983	0	0
Trinity	Pear	34	6	3
Trinity	Apple	34	6	3
Trinity	Peach	16	2	1
Tulare	Orange	7,134,363	80,951	1,537,128
Tulare	Grape	2,468,549	29,355	1,250,110
Tulare	Almond	2,430,302	26,712	1,419,382

County	Commodity or Site	Pounds Applied	Apps	Acre Treated
Tulare	Tangerine	1,591,453	21,979	465,693
Tulare	Soil fumigation/preplant	849,383	285	3,469
Tuolumne	Forest, timberland	21,174	368	9,274
Tuolumne	Rights of way	10,551	0	0
Tuolumne	Landscape maintenance	7,126	0	0
Tuolumne	Structural pest control	768	0	0
Tuolumne	Grape, wine	638	80	653
Ventura	Strawberry	2,458,940	16,278	635,736
Ventura	Lemon	1,487,963	13,929	227,007
Ventura	Avocado	247,242	6,767	70,735
Ventura	Pepper, fruiting	210,024	1,902	62,902
Ventura	Celery	127,450	13,231	241,553
Yolo	Grape, wine	2,220,626	10,920	425,133
Yolo	Tomato, processing	405,275	3,311	192,959
Yolo	Almond	318,469	7,135	516,185
Yolo	Rice	238,167	1,443	141,549
Yolo	Uncultivated ag	159,027	3,788	242,610
Yuba	Walnut	404,211	5,137	213,215
Yuba	Rice	323,643	3,914	237,747
Yuba	Prune	144,460	1,355	63,082
Yuba	Soil fumigation/preplant	118,007	17	384
Yuba	Peach	106,229	1,860	39,845