The Top Five Commodities by Acres Treated in each County in 2024

Text files of data are available. The ranking of commodities (sites) is determined by total cumulative acres treated. Acres treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres. Cumulative acres treated totals include pesticide use reports (PURs) with unit treated equal to acres (A) or square feet (S), the latter of which was converted to acres. PURs with volume (cubic feet, etc.), weight (tons, lbs, etc.), or miscellaneous units (bins, holes, etc.) are not included in the acres treated totals. Most nonagricultural PURs are not required to report acres treated, so the acres treated totals are predominantly agricultural pesticide uses. Application counts (Apps) include only agricultural pesticide uses. A zero value under Acres Treated or Apps indicates that the pounds applied were nonagricultural uses. N-outdr = Outdoor nursery. N-grnhs = Greenhouse nursery. Values greater than one are rounded. 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	Pounds Applied	Apps	Acres Treated
Alameda	Grape, wine	1	44,218	3,413	22,038
Alameda	Almond	2	3,391	92	14,976
Alameda	Pistachio	3	241	21	1,032
Alameda	Uncultivated ag	4	637	103	671
Alameda	Wheat (forage - fodder)	5	173	14	590
Alpine	Cannabis (all or unspecified)	1	224	1	17
Amador	Grape, wine	1	48,973	1,741	19,669
Amador	Forest, timberland	2	3,791	153	4,090
Amador	Alfalfa	3	2,305	46	2,430
Amador	Wheat (forage - fodder)	4	739	30	1,695
Amador	Walnut	5	283	71	429
Butte	Walnut	1	471,533	11,165	445,338
Butte	Rice	2	1,030,827	4,756	383,124
Butte	Almond	3	195,527	6,499	270,127
Butte	Prune	4	80,014	871	34,085
Butte	Forest, timberland	5	34,129	422	22,916

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Calaveras	Forest, timberland	1	14,053	337	7,578
Calaveras	Grape, wine	2	10,313	590	5,253
Calaveras	Rangeland	3	314	14	1,321
Calaveras	Almond	4	1,242	30	1,057
Calaveras	Walnut	5	398	19	720
Colusa	Almond	1	496,155	12,743	719,540
Colusa	Rice	2	912,005	9,263	630,454
Colusa	Tomato, processing	3	258,161	3,323	181,525
Colusa	Walnut	4	147,877	2,422	139,523
Colusa	Uncultivated ag	5	82,511	779	54,719
Contra costa	Corn, human consumption	1	13,113	2,163	53,157
Contra costa	Almond	2	15,112	331	28,427
Contra costa	Tomato, processing	3	104,418	757	27,802
Contra costa	Cherry	4	21,542	1,531	20,076
Contra costa	Grape, wine	5	73,975	1,365	15,761
Del norte	N-outdr flower	1	57,367	1,483	9,794
Del norte	Forest, timberland	2	4,845	308	5,199
Del norte	Soil fumigation/preplant	3	68,658	52	214
Del norte	N-grnhs plants in containers	4	226	322	171
Del norte	N-outdr plants in containers	5	47	35	21
El dorado	Forest, timberland	1	51,523	931	19,465
El dorado	Grape, wine	2	39,524	2,045	18,593
El dorado	Apple	3	15,932	412	2,544
El dorado	Pear	4	3,186	74	377
El dorado	Peach	5	1,497	76	257
Fresno	Almond	1	3,957,242	56,623	2,999,877
Fresno	Pistachio	2	1,372,844	18,672	1,586,380

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Fresno	Grape	3	3,238,679	34,821	1,118,541
Fresno	Cotton	4	534,576	8,829	708,915
Fresno	Grape, wine	5	1,874,878	9,828	686,428
Glenn	Almond	1	675,937	11,248	757,980
Glenn	Rice	2	667,364	6,620	387,884
Glenn	Walnut	3	295,799	7,665	218,291
Glenn	Olive	4	79,841	1,183	33,073
Glenn	Alfalfa	5	15,649	525	27,229
Humboldt	Forest, timberland	1	15,559	1,003	21,566
Humboldt	N-grnhs flower	2	691	439	1,210
Humboldt	Raspberry	3	524	569	725
Humboldt	Turf/sod	4	427	0	377
Humboldt	N-grnhs plants in containers	5	270	93	277
Imperial	Alfalfa	1	917,885	17,234	1,157,335
Imperial	Sugarbeet	2	457,857	4,293	307,189
Imperial	Corn, human consumption	3	116,374	3,462	220,223
Imperial	Lettuce, leaf	4	141,085	9,672	208,778
Imperial	Onion, dry	5	189,369	3,222	187,913
Inyo	Alfalfa	1	1,302	19	1,244
Inyo	N-grnhs flower	2	361	0	640
Inyo	Forage hay/silage	3	255	2	160
Inyo	Pastureland	4	8	0	6
Kern	Almond	1	5,665,832	42,027	2,787,135
Kern	Pistachio	2	2,040,333	19,502	1,504,143
Kern	Grape	3	3,639,150	33,776	1,384,511
Kern	Water (industrial)	4	99,703	0	550,000
Kern	Orange	5	2,734,654	13,397	480,850

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Kings	Cotton	1	931,184	9,288	1,790,825
Kings	Pistachio	2	606,899	8,775	608,751
Kings	Almond	3	650,424	9,406	498,070
Kings	Soil fumigation/preplant	4	673,884	1,988	362,797
Kings	Tomato, processing	5	1,495,006	2,207	288,772
Lake	Grape, wine	1	352,596	3,838	99,578
Lake	Pear	2	172,745	1,652	34,075
Lake	Cannabis (all or unspecified)	3	6,189	500	1,942
Lake	Walnut	4	581	49	1,137
Lake	Water area	5	8,010	1	257
Lassen	Alfalfa	1	16,505	526	43,436
Lassen	Forest, timberland	2	39,937	290	22,218
Lassen	Strawberry	3	70,901	215	7,534
Lassen	Forage hay/silage	4	1,906	63	3,592
Lassen	Pastureland	5	989	28	1,842
Los angeles	Carrot	1	428,637	286	22,914
Los angeles	N-outdr plants in containers	2	10,031	4,743	7,872
Los angeles	Onion, dry	3	3,808	198	6,459
Los angeles	Alfalfa	4	5,050	22	2,827
Los angeles	N-grnhs flower	5	1,591	205	2,041
Madera	Almond	1	2,259,256	34,629	1,916,023
Madera	Pistachio	2	524,037	10,127	690,992
Madera	Grape, wine	3	1,580,328	6,990	444,547
Madera	Grape	4	1,218,329	7,325	325,281
Madera	Tomato, processing	5	295,232	1,067	69,402
Marin	Grape, wine	1	4,326	386	1,698
Marin	Pastureland	2	369	18	1,207

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Marin	Olive	3	3,154	80	359
Marin	Water area	4	15,344	0	177
Marin	Rangeland	5	18	8	79
Mariposa	Forest, timberland	1	82	21	79
Mariposa	Apple	2	302	20	77
Mariposa	Uncultivated ag	3	18	5	24
Mariposa	Grape, wine	4	27	5	16
Mariposa	Rangeland	5	3	4	4
Mendocino	Grape, wine	1	555,634	6,724	145,340
Mendocino	Pear	2	98,099	601	24,327
Mendocino	Forest, timberland	3	7,603	365	11,697
Mendocino	Uncultivated non-ag	4	48	8	337
Mendocino	Pastureland	5	97	20	151
Merced	Almond	1	1,818,364	34,429	1,894,214
Merced	Cotton	2	214,733	9,637	438,424
Merced	Grape, wine	3	750,919	2,775	233,393
Merced	Pistachio	4	153,923	3,965	227,027
Merced	Tomato, processing	5	962,926	3,592	224,292
Modoc	Alfalfa	1	21,980	825	53,859
Modoc	Potato	2	29,266	563	36,185
Modoc	Onion, dry	3	12,664	276	15,690
Modoc	Forage hay/silage	4	7,562	184	11,331
Modoc	Wheat	5	4,663	162	11,079
Mono	Alfalfa	1	5,928	74	3,945
Mono	Forage hay/silage	2	8	2	78
Mono	Landscape maintenance	3	49	2	5
Mono	Pastureland	4	5	0	3

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Monterey	Lettuce, leaf	1	711,750	121,064	1,092,208
Monterey	Grape, wine	2	2,035,041	27,523	1,013,520
Monterey	Lettuce, head	3	367,868	63,467	675,122
Monterey	Broccoli	4	254,363	46,352	492,387
Monterey	Strawberry	5	3,669,101	18,662	452,852
Napa	Grape, wine	1	1,157,419	34,179	475,398
Napa	Wheat	2	38	6	1,150
Napa	Water area	3	2,946	19	755
Napa	Olive	4	772	364	563
Napa	Pastureland	5	773	4	500
Nevada	Grape, wine	1	4,102	169	3,036
Nevada	Forest, timberland	2	5,753	156	2,193
Nevada	Pastureland	3	9	4	2,000
Nevada	Turf/sod	4	263	0	290
Nevada	Water area	5	842	16	169
Orange	N-outdr plants in containers	1	9,659	2,556	13,861
Orange	Golf course turf	2	14,962	0	11,022
Orange	Strawberry	3	49,786	237	4,639
Orange	Lemon	4	2,325	123	2,719
Orange	Avocado	5	8,019	249	1,903
Placer	Almond	1	29,836	292	31,422
Placer	Walnut	2	36,668	441	30,320
Placer	Rice	3	67,944	427	27,984
Placer	Forest, timberland	4	31,185	371	8,961
Placer	Wheat	5	552	19	2,018
Plumas	Forest, timberland	1	106,025	614	63,293
Plumas	Alfalfa	2	1,187	21	2,165

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Plumas	Forage hay/silage	3	1,575	11	1,150
Plumas	Golf course turf	4	808	23	453
Plumas	N-grnhs flower	5	266	0	336
Riverside	Alfalfa	1	318,417	8,697	358,090
Riverside	Lemon	2	518,218	1,923	83,222
Riverside	Grape	3	234,158	2,360	80,257
Riverside	Cotton	4	57,237	1,899	72,007
Riverside	Pepper, fruiting	5	328,775	2,666	70,398
Sacramento	Grape, wine	1	2,981,459	11,364	511,186
Sacramento	Pear	2	600,300	3,270	129,821
Sacramento	Tomato, processing	3	70,269	768	48,080
Sacramento	Rice	4	91,674	478	41,199
Sacramento	Almond	5	28,808	712	39,193
San benito	Lettuce, leaf	1	92,669	9,735	62,998
San benito	Grape, wine	2	100,330	2,827	48,584
San benito	Spinach	3	25,609	3,586	26,969
San benito	Pepper, fruiting	4	117,292	1,233	20,098
San benito	Lettuce, head	5	8,679	1,936	14,904
San bernardino	Orange	1	12,785	1,434	11,728
San bernardino	Alfalfa	2	6,327	86	6,888
San bernardino	Water area	3	47,835	3	3,786
San bernardino	N-outdr plants in containers	4	3,371	1,141	2,495
San bernardino	Golf course turf	5	6,109	0	2,211
San diego	N-outdr plants in containers	1	53,910	23,292	44,782
San diego	Tomato	2	100,519	1,345	43,778
San diego	Avocado	3	68,742	1,953	27,741
San diego	N-grnhs plants in containers	4	22,137	19,647	16,860

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
San diego	Citrus	5	5,143	341	13,390
San francisco	Golf course turf	1	10,275	0	5,741
San francisco	Uncultivated non-ag	2	11	0	126
San francisco	Water systems - human potable/drinking	3	216	0	21
San francisco	Recreation area	4	15	0	18
San francisco	Cannabis (all or unspecified)	5	46	570	15
San joaquin	Almond	1	1,300,613	26,203	1,170,018
San joaquin	Grape, wine	2	5,894,111	28,726	946,420
San joaquin	Walnut	3	482,414	12,879	415,730
San joaquin	Cherry	4	390,594	14,798	243,230
San joaquin	Tomato, processing	5	449,302	3,777	205,653
San luis obispo	Grape, wine	1	832,297	15,635	458,244
San luis obispo	Strawberry	2	1,277,741	5,116	169,843
San luis obispo	Lettuce, head	3	40,664	6,600	55,600
San luis obispo	Lettuce, leaf	4	17,061	5,118	32,774
San luis obispo	Carrot	5	139,895	467	32,026
San mateo	Brussels sprout	1	43,863	671	7,945
San mateo	N-grnhs plants in containers	2	511	872	923
San mateo	Water (industrial)	3	5,766	0	772
San mateo	Grape, wine	4	2,443	202	649
San mateo	Uncultivated non-ag	5	35	0	536
Santa barbara	Strawberry	1	3,581,326	19,425	615,819
Santa barbara	Grape, wine	2	798,933	11,432	339,201
Santa barbara	Lettuce, head	3	49,621	9,745	112,703
Santa barbara	Broccoli	4	43,570	10,758	111,016
Santa barbara	Lettuce, leaf	5	44,382	11,028	96,282
Santa clara	N-grnhs transplants	1	1,417	4,623	217,111

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Santa clara	Lettuce, leaf	2	15,313	3,611	31,433
Santa clara	Pepper, fruiting	3	245,309	1,439	29,905
Santa clara	Tomato	4	72,390	805	21,981
Santa clara	Cherry	5	9,174	633	16,030
Santa cruz	Strawberry	1	823,722	4,477	82,780
Santa cruz	Blackberry	2	138,175	2,564	29,096
Santa cruz	Lettuce, head	3	17,772	2,436	23,926
Santa cruz	Raspberry	4	236,441	2,009	21,187
Santa cruz	Lettuce, leaf	5	15,055	2,118	19,542
Shasta	Forest, timberland	1	68,239	1,555	49,362
Shasta	Walnut	2	9,761	611	13,335
Shasta	Forage hay/silage	3	4,918	154	8,356
Shasta	Alfalfa	4	4,864	108	6,169
Shasta	Timothy	5	1,616	57	2,466
Sierra	Forest, timberland	1	6,841	142	3,185
Sierra	Alfalfa	2	116	11	480
Sierra	Grain	3	276	2	200
Sierra	Uncultivated non-ag	4	2	0	10
Siskiyou	Strawberry	1	164,859	1,558	67,972
Siskiyou	Alfalfa	2	31,347	1,012	57,187
Siskiyou	Forest, timberland	3	60,770	786	40,293
Siskiyou	Potato	4	24,771	494	27,057
Siskiyou	Forage hay/silage	5	8,984	97	9,736
Solano	Almond	1	200,143	3,453	255,068
Solano	Tomato, processing	2	256,132	2,513	143,274
Solano	Grape, wine	3	263,672	2,916	70,447
Solano	Alfalfa	4	54,201	1,371	65,308

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Solano	Uncultivated ag	5	55,264	964	47,711
Sonoma	Grape, wine	1	2,091,401	52,043	744,956
Sonoma	Apple	2	43,454	670	5,283
Sonoma	Uncultivated ag	3	3,750	9	1,925
Sonoma	N-outdr plants in containers	4	439	735	1,813
Sonoma	Oat	5	1,261	11	1,703
Stanislaus	Almond	1	3,037,622	50,044	2,526,734
Stanislaus	Walnut	2	288,440	6,394	193,086
Stanislaus	Corn (forage - fodder)	3	105,814	3,680	136,112
Stanislaus	Grape, wine	4	365,100	1,635	82,077
Stanislaus	Tomato, processing	5	230,734	1,301	81,857
Sutter	Rice	1	1,128,865	5,053	478,709
Sutter	Walnut	2	244,978	5,488	166,166
Sutter	Almond	3	109,764	2,662	129,687
Sutter	Peach	4	241,781	5,673	84,581
Sutter	Uncultivated ag	5	74,802	1,031	63,832
Tehama	Walnut	1	485,655	11,639	229,475
Tehama	Almond	2	185,199	4,696	218,819
Tehama	Prune	3	43,125	881	25,414
Tehama	Olive	4	53,036	894	24,827
Tehama	Forest, timberland	5	11,143	414	10,625
Trinity	Forest, timberland	1	18,293	680	18,985
Tulare	Almond	1	1,838,904	20,063	1,118,815
Tulare	Orange	2	5,236,767	60,531	1,115,175
Tulare	Grape	3	2,353,050	22,084	870,130
Tulare	Pistachio	4	703,884	13,264	763,230
Tulare	Tangerine	5	2,056,795	20,533	428,286

County	Commodity or Site	Rank	Pounds Applied	Apps	Acres Treated
Tuolumne	Forest, timberland	1	28,335	462	11,599
Tuolumne	Rights of way	2	8,846	19	607
Tuolumne	Golf course turf	3	206	0	204
Tuolumne	Animal premise	4	< 1	14	157
Tuolumne	Rangeland	5	10	16	143
Ventura	Strawberry	1	3,803,238	13,794	643,955
Ventura	Celery	2	76,088	9,620	162,573
Ventura	Lemon	3	1,062,300	7,754	158,735
Ventura	Avocado	4	308,511	5,120	71,462
Ventura	Pepper, fruiting	5	222,319	2,836	68,760
Yolo	Almond	1	249,537	5,758	365,522
Yolo	Grape, wine	2	1,544,995	7,382	269,203
Yolo	Tomato, processing	3	248,212	3,539	203,371
Yolo	Rice	4	272,154	1,078	115,478
Yolo	Uncultivated ag	5	288,830	1,649	103,082
Yuba	Rice	1	384,193	3,021	196,734
Yuba	Walnut	2	223,159	2,463	101,950
Yuba	Almond	3	24,229	619	34,840
Yuba	Prune	4	74,490	960	32,194
Yuba	Peach	5	61,131	2,098	23,105