

2022 Annual Statewide Pesticide Use Report Commodity Totals

Text files of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. Apps = Number of agricultural applications, N/A = Not Available: many nonagricultural pesticide use reports are not legally required to report area treated or number of applications. N-outdoor = Outdoor nursery. N-grnhs = Greenhouse nursery. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

Commodity or Site	Pounds Applied	Apps	Area Treated
Airport	590.48	15	374.2
Alfalfa	2,120,594.41	78,650	4,205,574.61
Almond	30,718,810.48	418,485	22,296,789.53
Animal burrows	4.35	3	15.0
Animal premise	400,000.39	268	4,297.37
Apple	192,961.26	4,995	71,867.91
Apricot	117,258.09	4,421	56,773.58
Artichoke, globe	57,416.86	9,469	119,505.27
Arugula	30,060.38	6,635	38,008.13
Asparagus	8,844.62	244	11,138.61
Avocado	594,417.5	13,461	157,354.13
Bamboo shoots	4,571.0	N/A	N/A
Barley	15,086.96	552	48,455.3
Barley (forage - fodder)	2,614.21	284	11,228.84
Basil, sweet	11,715.2	2,427	10,591.36
Bean, dried	62,157.76	1,942	94,051.3
Bean, succulent	11,655.85	1,135	21,558.38
Bean, unspecified	4,268.31	768	8,360.81
Beehive	699.37	174	982.1
Beet	38,428.27	2,221	20,514.28
Bermudagrass	730,527.06	2,271	165,291.08
Beverage crop	5.07	9	22.15
Bitter melon	19.6	14	47.0
Blackberry	374,384.45	11,945	115,814.53
Blueberry	170,711.16	4,569	115,128.07
Bok choy (choy sum, pak choy)	19,947.6	7,716	28,364.42
Boysenberry	34.29	11	10.5
Broccoli	576,852.74	86,937	959,003.39
Brussels sprout	415,169.38	30,338	402,927.38
Buildings/non-ag outdoor	97.97	1	279.03
Bushberry	189.56	4	10.5

Commodity or Site	Pounds Applied	Apps	Area Treated
Cabbage	218,398.75	39,952	345,452.21
Cabbage, savoy	277.67	66	586.9
Cactus pear	9.27	1	8.8
Cannabis (all or unspecified)	81,781.66	44,976	38,834.13
Canola (rape)	869.47	115	781.0
Cantaloupe	209,348.54	2,989	194,434.86
Cardoon	32.34	26	208.8
Carrot	4,825,569.81	10,154	461,633.18
Cauliflower	232,335.87	43,598	410,796.75
Celeriac	253.92	140	466.04
Celery	283,397.88	56,755	567,511.79
Cherimoya	186.25	33	152.03
Cherry	1,144,905.65	30,918	583,947.53
Chervil	0.12	4	4.59
Chestnut	495.24	29	208.04
Chicory	234.7	87	534.93
Chinese amaranth (chinese spinach, tampala, yin choy)	24.72	50	438.56
Chinese broccoli (gai lon)	4,199.33	1,824	7,756.2
Chinese cabbage (napa, wong bok, celery cabbage)	63,669.67	7,815	40,867.7
Chinese greens	2,783.88	242	1,024.76
Chive	301.53	177	279.88
Christmas tree	1,168.81	134	677.76
Chrysanthemum, edible leaved	84.22	46	65.5
Chrysanthemum, garland	0.07	1	1.0
Cilantro	43,393.55	8,500	45,058.69
Citrus	96,318.97	1,408	27,496.0
Clover	1,263.35	27	1,443.0
Cole crop	51.75	507	338.34
Collard	20,895.26	3,232	12,522.29
Commercial storages or warehouses (all or unspec)	5.64	N/A	0.9
Commercial, institutional or industrial areas	12,081.33	22	3,874.16
Commodity fumigation	653,646.88	165	69.08
Corn (forage - fodder)	1,095,615.86	37,795	1,886,185.22
Corn, grain	35,230.29	1,867	75,815.17

Commodity or Site	Pounds Applied	Apps	Area Treated
Corn, human consumption	205,350.46	17,167	587,608.3
Cotton	1,729,901.6	44,020	3,651,980.68
County ag comm	757.56	N/A	N/A
Cress, garden	27.42	21	49.2
Cucumber	28,461.36	2,544	40,750.66
Daikon	683.51	174	912.7
Dairy equipment	233.75	1	11.0
Dandelion green	178.67	137	115.15
Date	38,844.49	705	15,447.54
Dill	1,714.09	207	2,070.99
Ditch bank	637,960.21	950	12,389.58
Dried fruit	4,407.64	1	1.0
Eggplant	94,225.31	1,172	14,116.11
Endive (escarole)	3,843.25	3,159	8,142.38
Farm/ag building	1,580.21	81	346.55
Fava bean	370.81	122	481.3
Fennel	2,976.08	1,069	5,868.71
Fig	24,038.82	702	22,621.09
Food processing plant	132,795.04	87	135.0
Forage hay/silage	44,780.62	1,960	105,291.91
Forest, timberland	692,648.6	10,723	368,105.35
Fumigation, other	326,534.33	10	14.37
Gai choy	646.36	235	832.73
Gai lon	1,924.45	873	3,785.41
Garbanzo bean	11,633.01	130	9,397.3
Garlic	155,799.3	4,432	298,147.25
Ginger	3.97	32	15.5
Golf course turf	44,673.84	229	41,010.66
Gourds (edible)	9.42	7	22.0
Grain	255.16	35	887.0
Granary	2.75	1	N/A
Grape	11,634,201.78	135,343	4,965,485.34
Grape, wine	25,472,941.63	314,607	9,482,721.29
Grapefruit	443,792.35	6,540	114,985.41
Grass, seed	40,447.41	655	23,840.55
Guava	535.44	96	570.58
Herb, spice	16,380.93	2,902	5,898.89
Hops	167.64	58	272.21
Horseradish	76.65	23	347.34
Household	6.13	N/A	0.21
Industrial hemp	1,549.9	406	1,873.31

Commodity or Site	Pounds Applied	Apps	Area Treated
Industrial processing water	48,017.39	N/A	5.0
Industrial waste disposal systems, disposal water	10.54	4	20.0
Jicama	20.85	4	66.0
Jojoba bean	859.49	N/A	N/A
Jujube	8.35	7	4.5
Kale	55,611.55	12,666	66,283.66
Kiwi fruit fuzzy	121,232.23	4,521	60,056.24
Kiwi fruit hardy	13.79	1	4.0
Kohlrabi	1,446.73	856	2,213.16
Kumquat	273.76	66	248.77
Landscape maintenance	1,374,863.92	858	6,453.52
Leek	10,834.26	1,547	7,202.29
Lemon	3,593,013.67	40,758	817,745.4
Lettuce, head	820,586.93	124,282	1,443,681.8
Lettuce, leaf	1,459,223.55	232,269	2,196,748.3
Lime	8,120.33	413	3,321.51
Loganberry	4.41	2	1.0
Lumber, treated	1,287,804.48	N/A	N/A
Mango	20,006.48	70	2,098.0
Melon	340,371.71	3,306	144,404.48
Mint	3,692.63	897	6,088.26
Mizuna	4,447.66	1,264	3,608.57
Mushroom	2,239.11	3,746	867.38
Mushroom house	518.03	344	129.88
Mushroom soil	110.34	1,402	389.0
Mustard	6,366.5	2,707	7,980.13
Mustard greens	10,755.22	3,954	14,822.68
N-grnhs flower	31,485.09	12,376	32,138.89
N-grnhs plants in containers	44,598.63	59,939	56,399.68
N-grnhs transplants	36,869.5	42,237	143,703.27
N-outdr flower	217,159.97	28,881	105,892.27
N-outdr plants in containers	480,973.45	81,880	170,652.22
N-outdr transplants	554,824.16	17,940	116,864.15
Nectarine	1,242,100.63	34,371	464,708.77
Nursery soil	713.13	108	17.9
Nuts	2,185.39	8	3.0
Oat	11,833.21	733	36,002.37
Oat (forage - fodder)	40,019.17	3,610	150,592.52
Okra	118.4	19	222.0
Olallieberry	4.41	2	1.0

Commodity or Site	Pounds Applied	Apps	Area Treated
Olive	440,952.51	6,916	197,565.74
Onion, dry	1,237,072.4	12,719	699,481.62
Onion, green	37,779.41	212	8,551.86
Orange	9,526,067.06	117,770	2,499,812.87
Orchard floor	1,058.37	39	610.6
Orchardgrass	4,411.93	168	9,654.64
Oregano	139.67	208	204.54
Papaya	0.01	N/A	N/A
Parsley	19,986.3	3,531	25,445.2
Parsnip	2.49	5	9.3
Pasture (forage - fodder)	147.55	20	660.0
Pastureland	18,677.11	1,147	58,093.45
Peach	2,529,439.87	62,863	962,427.92
Pear	1,042,251.58	7,282	221,234.57
Pear, asian (oriental pear, ya, ya li, nashi)	14,331.53	362	3,096.89
Peas	94,373.27	6,811	61,826.19
Pecan	47,072.85	1,387	44,822.45
Pepper, fruiting	1,217,936.36	12,895	307,284.65
Pepper, spice	731.89	187	1,842.21
Peppermint	1.0	1	1.0
Persimmon	6,633.26	641	6,316.08
Pimento	2,077.3	14	118.0
Pistachio	6,373,574.3	106,950	7,412,765.35
Plum	682,720.25	23,384	242,521.12
Pluot	3,053.7	156	751.42
Pome fruit	36.81	23	17.76
Pomegranate	382,040.89	3,409	212,727.06
Pomelo	47,064.59	985	9,227.33
Potato	1,107,871.82	6,177	289,198.23
Prune	515,925.58	8,073	286,034.9
Public health	499,936.18	N/A	N/A
Pumpkin	71,081.69	2,077	55,156.11
Quince	3,839.05	372	2,098.7
Radicchio	5,222.62	706	10,471.43
Radish	13,222.51	4,163	13,749.31
Rangeland	14,850.29	765	46,361.0
Rape (leafy vegetable)	12.83	7	46.0
Rapini	22,008.93	2,384	50,072.2
Raspberry	468,882.93	11,356	102,922.56
Recreation area	141.05	2	110.66
Regulatory pest control	278,752.29	28	242.0
Research commodity	36,596.44	3,738	4,672.63

Commodity or Site	Pounds Applied	Apps	Area Treated
Residential	9.62	N/A	13.08
Rice	3,311,684.38	27,591	1,994,019.44
Rice, wild	32,770.9	83	5,371.1
Rights of way	3,375,612.73	4,686	336,228.17
Root vegetable	76.53	170	283.1
Rosemary	628.58	520	632.59
Rutabaga	3.31	4	11.6
Rye	2,240.01	174	5,209.1
Ryegrass	13,805.73	754	34,518.88
Safflower	242,868.89	1,939	432,800.89
Sage	889.98	387	665.62
Sesame, seed	5.35	2	10.0
Sewage system	4,733.35	N/A	N/A
Shallot	639.36	45	358.92
Small fruits/berry	252.93	30	478.6
Sod farm (turf)	7,374.9	303	3,300.52
Soil fumigation/preplant	3,254,573.65	3,588	528,997.69
Sorghum (forage - fodder)	17,544.17	833	59,486.41
Sorghum/milo	17,427.5	542	33,941.4
Soybean	444.74	6	700.0
Spinach	203,982.72	45,683	394,429.08
Squash	80,713.32	1,767	25,242.82
Squash, summer	31,120.84	424	4,620.44
Squash, winter	30,310.63	190	4,439.99
Squash, zucchini	51.3	40	156.51
Stone fruit	6,190.56	329	3,035.97
Storage area/box	147.75	2	3.33
Strawberry	13,161,031.28	90,804	2,925,675.33
Structural pest control	3,915,456.57	23	63.47
Sudangrass	18,207.42	726	37,434.7
Sugarbeet	507,047.7	3,649	260,161.65
Sugarbeet (forage - fodder)	694.33	13	721.0
Sugarcane	1,150.58	15	573.0
Sunflower	72,350.82	2,215	103,920.17
Sweet potato	1,280,136.44	909	25,377.44
Swiss chard	17,372.85	5,776	21,918.95
Tangelo	198,544.23	3,498	59,784.36
Tangerine	4,765,592.33	49,824	1,273,047.1
Tarragon	39.55	98	59.07
Tat soi (spinach mustard)	2.04	3	0.9
Thyme	212.69	229	214.59
Timothy	1,266.99	144	6,245.0

Commodity or Site	Pounds Applied	Apps	Area Treated
Tomatillo	1,198.42	70	477.29
Tomato	982,816.7	16,821	534,427.25
Tomato, processing	9,691,116.82	41,988	2,918,754.36
Triticale	21,921.97	1,986	108,437.52
Tropical/subtropical fruit	189.04	78	173.37
Turf/sod	59,258.68	1,640	29,101.82
Turnip	1,508.96	672	1,477.05
Turnip greens	16.0	86	32.52
Uncultivated ag	1,329,787.68	30,408	822,208.89
Uncultivated non-ag	36,222.73	1,808	89,610.96
Unknown	2,784.94	226	2,748.12
Upland cress	969.49	706	1,424.79
Vegetable	1,723.88	514	691.39
Vegetables, fruiting	281.77	236	212.45
Vegetables, leafy	1,275.18	2,620	4,267.63
Vertebrate control	13,037.61	241	10,881.9
Vetch	45.5	N/A	N/A
Walnut	5,071,563.25	133,803	4,519,810.8
Water (industrial)	1,802,173.02	2	3,738.52
Water area	572,917.55	525	97,225.51
Water convolvulus	340.0	N/A	N/A
Water systems - human potable/drinking	1,049.78	N/A	90.0
Water washer/cooler/condenser systems	854.59	N/A	119.0
Watercress	164.27	74	233.0
Watermelon	271,058.09	4,116	175,224.18
Wheat	134,850.76	6,825	411,627.74
Wheat (forage - fodder)	111,671.66	12,408	705,777.0
Yam	8.34	22	57.75