

# 2019 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
Airport	8.55	N/A
Alfalfa	2,551,295.25	84,215
Alfalfa-grass mixture	24.87	3
Almond	37,741,915.22	473,556
Animal burrows	22.47	7
Animal premise	730,595.04	289
Apple	342,024.52	6,844
Apricot	146,024.53	5,961
Artichoke, globe	51,664.84	9,400
Arugula	30,556.75	7,206
Asparagus	11,400.78	427
Avocado	485,152.54	14,974
Bamboo shoots	4,819.5	N/A
Barley	21,953.38	810
Barley (forage - fodder)	4,187.76	197
Basil, sweet	53,693.01	3,484
Bean sprout	0.38	1
Bean, dried	74,397.59	3,753
Bean, succulent	26,717.51	1,797
Bean, unspecified	7,456.6	951
Beehive	778.92	73
Beet	61,443.37	3,666
Bermudagrass	570,036.88	2,484
Beverage crop	17.33	5
Bitter melon	76.56	46
Blackberry	265,737.23	8,126
Blueberry	289,754.81	4,722
Bok choy	50,246.46	10,585
Boysenberry	7.16	2
Broccoli	571,247.54	78,317
Brussels sprout	480,129.41	26,790
Buildings/non-ag outdoor	2,157.46	2

<b>Commodity or Site</b>	<b>Pounds Applied</b>	<b>Apps</b>
Bushberry	440.32	5
Cabbage	182,633.87	35,511
Cactus pear	356.23	8
Cannabis (all or unspecified)	18,828.37	13,405
Canola (rape)	1,972.11	124
Cantaloupe	237,693.55	3,812
Cardoon	11.77	34
Carrot	5,389,241.33	10,590
Carrot (forage - fodder)	262.37	9
Cauliflower	214,463.17	36,592
Celeriac	4,595.17	674
Celery	325,049.41	60,392
Cherimoya	211.55	26
Cherry	1,209,291.22	40,973
Chervil	32.29	69
Chestnut	526.11	37
Chicory	76.67	40
Chinese amaranth (chinese spinach, tampala, yin choy)	51.48	95
Chinese broccoli (gai lon)	4,252.49	1,310
Chinese cabbage (napa)	76,326.04	9,372
Chinese greens	1,237.26	203
Chive	706.05	351
Christmas tree	401.8	50
Chrysanthemum, garland	4.55	8
Cilantro	97,316.4	11,382
Citrus	128,597.35	1,806
Clover	29.19	3
Cole crop	54.9	482
Collard	52,932.06	6,200
Commercial storages or warehouses (all or unspec)	22.58	N/A
Commodity fumigation	517,189.91	96
Corn (forage - fodder)	1,156,316.53	35,810
Corn salad	2.03	6
Corn, grain	68,668.4	3,440
Corn, human consumption	283,647.87	18,310
Cotton	3,556,693.34	80,769
County ag comm	1,261.99	N/A
Cucumber	37,892.29	4,060
Daikon	546.61	158
Dairy equipment	9.21	1
Dandelion green	2,704.08	796

<b>Commodity or Site</b>	<b>Pounds Applied</b>	<b>Apps</b>
Date	37,256.35	1,089
Dill	11,704.21	453
Ditch bank	824,872.5	617
Dried fruit	13,078.27	N/A
Edible flowers	1.0	22
Eggplant	102,800.35	1,125
Endive (escarole)	11,303.02	4,911
Farm/ag building	1,247.61	9
Fava bean	280.07	228
Fennel	3,595.6	1,310
Fig	59,025.51	1,165
Flax	0.04	N/A
Food processing plant	115,186.62	N/A
Forage hay/silage	51,718.38	2,194
Forest, timberland	500,255.69	7,894
Fumigation, other	557,866.96	13
Gai choy	664.52	67
Gai lon	4,693.41	807
Garbanzo bean	34,127.61	619
Garlic	202,009.73	4,114
Golf course turf	32,049.67	181
Gooseberry	0.31	6
Gourds (edible)	32.39	28
Grain	607.59	6
Grape	15,432,543.0	168,193
Grape, wine	30,593,919.54	489,825
Grapefruit	405,476.75	5,837
Grass, seed	21,398.83	643
Greenhouse fumigation	1,628.95	N/A
Guava	1,380.06	138
Herb, spice	2,696.27	2,108
Hops	262.75	37
Horseradish	432.04	26
Household	45.36	N/A
Indian amaranth (hinn choy)	0.85	2
Industrial hemp	55,917.37	9,960
Industrial processing water	97,754.11	N/A
Industrial site	69,125.16	26
Industrial waste disposal systems, disposal water	1,025.59	N/A
Jicama	0.0	1
Jujube	82.97	7
Kale	111,524.36	23,848

Commodity or Site	Pounds Applied	Apps
Kiwi fruit fuzzy	76,007.09	3,282
Kohlrabi	10,131.6	1,672
Kumquat	271.08	71
Landscape maintenance	2,290,938.38	891
Leek	17,053.48	2,680
Lemon	3,598,271.36	38,775
Lettuce, head	899,111.65	130,339
Lettuce, leaf	1,371,153.98	221,672
Lime	8,748.08	302
Lumber, treated	1,394,942.54	N/A
Macadamia nut	0.0	2
Mango	25,739.17	77
Melon	282,653.43	3,491
Mint	7,771.7	1,582
Mizuna	1,916.68	1,195
Mushroom	2,490.08	3,069
Mushroom house	123.49	64
Mushroom soil	82.81	90
Mustard	24,010.99	3,415
Mustard greens	34,147.16	6,060
N-grnhs flower	70,479.45	20,927
N-grnhs plants in containers	52,247.62	60,785
N-grnhs transplants	34,124.83	39,714
N-outdr flower	297,716.02	36,226
N-outdr plants in containers	731,595.7	76,656
N-outdr transplants	513,945.92	19,302
Nectarine	1,255,251.75	37,298
Nursery soil	312.01	120
Nuts	721.42	19
Oat	11,986.55	807
Oat (forage - fodder)	47,507.42	4,371
Okra	78.14	29
Olive	642,972.02	8,154
Onion, dry	1,415,084.91	16,580
Onion, green	4,868.11	695
Orange	12,117,480.22	123,440
Orchard floor	11,209.82	343
Orchardgrass	2,472.34	71
Oregano	268.84	329
Papaya	0.01	6
Parsley	43,482.09	7,790
Parsnip	3.27	4
Pasture (forage - fodder)	344.42	27

Commodity or Site	Pounds Applied	Apps
Pastureland	22,576.65	1,068
Peach	3,313,404.7	72,120
Peanut	17.22	11
Pear	1,212,372.0	8,076
Pear, asian (oriental pear, ya, ya li, nashi)	7,231.01	464
Peas	86,891.8	7,570
Peas (forage - fodder)	3.72	N/A
Pecan	40,732.47	1,623
Pepper, fruiting	1,432,241.98	13,228
Pepper, spice	1,465.79	82
Peppermint	8.53	4
Persimmon	10,221.83	938
Pimento	1,948.83	20
Pistachio	5,917,082.5	87,645
Plum	788,479.0	25,309
Pluot	1,760.69	146
Pome fruit	155.1	87
Pomegranate	491,822.2	3,982
Pomelo	36,967.44	681
Potato	844,496.64	4,808
Poultry	0.03	32
Prune	820,103.79	11,080
Public health	723,127.71	N/A
Pumpkin	90,021.46	2,069
Quince	5,017.43	271
Radicchio	11,881.97	1,402
Radish	13,851.2	5,413
Rangeland	17,274.05	809
Rape (leafy vegetable)	41.61	26
Rapini	102,296.41	2,354
Raspberry	473,808.09	12,353
Recreation area	71.18	1
Regulatory pest control	43,879.82	13
Research commodity	20,139.06	3,637
Residential	4.41	1
Rice	4,531,644.01	41,822
Rice, wild	25,061.51	53
Rights of way	5,110,758.84	4,137
Root vegetable	44.9	222
Rosemary	776.3	320
Rutabaga	865.15	29
Rye	2,529.86	130

<b>Commodity or Site</b>	<b>Pounds Applied</b>	<b>Apps</b>
Ryegrass	11,463.92	490
Safflower	264,308.16	2,653
Sage	1,135.39	553
Sesame, seed	9.72	4
Sewage system	1,088.59	N/A
Shallot	50.6	21
Small fruits/berry	6.27	3
Sod farm (turf)	17,068.14	513
Soil fumigation/preplant	4,040,116.94	4,874
Sorghum (forage - fodder)	45,064.2	1,268
Sorghum/milo	27,193.46	554
Soybean	69.22	2
Spinach	281,020.27	62,979
Squash	47,190.04	2,425
Squash, summer	47,229.5	394
Squash, winter	45,552.51	310
Squash, zucchini	886.74	86
Stone fruit	11,079.52	277
Storage area/box	218.67	N/A
Strawberry	9,984,437.54	75,139
Structural pest control	3,373,281.1	4
Sudangrass	20,873.82	625
Sugarbeet	909,011.96	4,804
Sugarcane	1,192.05	11
Sunflower	177,005.56	4,020
Sweet potato	1,324,271.3	1,310
Swiss chard	57,416.73	12,366
Tangelo	264,778.37	4,164
Tangerine	4,083,631.05	51,696
Tarragon	59.43	151
Tat soi (spinach mustard)	704.24	513
Thyme	349.76	384
Timothy	1,799.98	93
Tomatillo	134.01	58
Tomato	1,082,310.82	14,989
Tomato, processing	10,592,500.29	38,598
Trefoil, birdsfoot	207.52	7
Triticale	12,808.24	1,699
Tropical/subtropical fruit	377.18	48
Turf/sod	58,682.46	1,532
Turnip	10,550.48	1,450
Turnip greens	249.75	104
Uncultivated ag	1,855,256.76	42,721

<b>Commodity or Site</b>	<b>Pounds Applied</b>	<b>Apps</b>
Uncultivated non-ag	79,452.65	1,623
Unknown	43,195.82	141
Upland cress	1,096.76	976
Vegetable	1,245.53	270
Vegetables, fruiting	137.85	162
Vegetables, leafy	1,668.04	3,084
Vegetables, stem	0.0	1
Vertebrate control	15,694.23	152
Vetch	66.44	3
Walnut	6,907,968.34	150,195
Water (industrial)	1,731,270.89	21
Water area	735,292.31	592
Water systems - human potable/drinking	1,011.94	N/A
Water washer/cooler/condenser systems	22,189.36	N/A
Watercress	500.64	211
Watermelon	322,948.39	5,015
Wheat	128,078.25	7,430
Wheat (forage - fodder)	114,620.69	13,278
Yam	6.14	24