

2021 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	786.63	N/A
Alfalfa	2,495,354.64	84,532
Alfalfa-grass mixture	475.36	4
Almond	34,323,828.28	456,802
Animal burrows	31.94	18
Animal premise	298,296.45	183
Apple	243,646.53	5,634
Apricot	121,013.83	4,667
Artichoke, globe	35,192.38	8,302
Arugula	29,144.79	6,686
Asparagus	6,294.76	205
Avocado	535,241.81	13,684
Bamboo shoots	1,000.0	N/A
Barley	9,064.68	444
Barley (forage - fodder)	1,478.62	123
Basil, sweet	56,835.58	2,392
Bean, dried	53,639.25	2,598
Bean, succulent	19,617.69	1,204
Bean, unspecified	8,842.49	1,400
Beehive	565.4	46
Beet	66,812.25	3,453
Bermudagrass	688,276.91	2,407
Beverage crop	9.52	10
Bitter melon	33.46	9
Blackberry	244,037.43	10,110
Blueberry	160,810.64	3,178
Bok choy	49,959.96	10,044
Boysenberry	30.74	13
Broccoli	631,016.09	83,351
Brussels sprout	428,321.3	29,266
Buildings/non-ag outdoor	165.09	6
Bushberry	0.86	9

Commodity or Site	Pounds Applied	Apps
Cabbage	262,592.27	41,538
Cabbage, savoy	248.21	114
Cactus pear	42.51	6
Cannabis (all or unspecified)	81,285.0	56,266
Canola (rape)	496.55	68
Cantaloupe	264,878.62	3,848
Cardoon	64.5	113
Carrot	4,838,514.47	9,774
Cauliflower	283,825.07	43,362
Celeriac	5,719.38	334
Celery	323,411.11	57,753
Chayote	0.31	1
Cherimoya	211.68	39
Cherry	1,259,992.38	37,330
Chervil	29.39	19
Chestnut	777.47	99
Chicory	8.24	51
Chinese amaranth (chinese spinach, tampala, yin choy)	18.9	54
Chinese broccoli (gai lon)	3,378.49	1,687
Chinese cabbage (napa, won bok, celery cabbage)	81,279.5	7,621
Chinese greens	2,175.47	109
Chive	443.27	209
Christmas tree	899.56	128
Chrysanthemum, edible leaved	130.8	51
Cilantro	113,883.08	8,845
Citrus	86,853.89	2,047
Clover	632.91	16
Cole crop	59.18	399
Collard	32,523.47	3,189
Commercial storages or warehouses (all or unspec)	69.84	N/A
Commodity fumigation	779,528.2	294
Corn (forage - fodder)	1,020,127.97	34,980
Corn, grain	50,776.46	2,337
Corn, human consumption	251,003.1	17,924
Cotton	1,484,876.84	40,410
Cotton (forage - fodder)	229.47	8
County ag comm	945.68	N/A
Cucumber	22,562.24	3,010
Daikon	615.19	140
Dairy equipment	31.06	5

Commodity or Site	Pounds Applied	Apps
Dandelion green	3,163.51	333
Date	60,525.95	1,062
Dill	7,511.66	230
Ditch bank	814,166.93	337
Dried fruit	8,928.7	N/A
Edible flowers	9.46	24
Eggplant	99,537.21	1,007
Endive (escarole)	3,693.86	3,605
Farm/ag building	1,133.88	116
Fava bean	232.2	141
Fennel	6,152.6	1,065
Fig	33,600.59	615
Flax	151.59	4
Food processing plant	102,041.25	N/A
Forage hay/silage	46,808.77	2,260
Forest, timberland	632,161.89	9,779
Fumigation, other	250,982.48	7
Gai choy	537.7	130
Gai lon	1,895.42	593
Garbanzo bean	10,601.95	271
Garlic	164,457.9	3,752
Ginger	0.77	8
Golf course turf	35,335.34	165
Gourd	3.51	9
Gourds (edible)	4.39	13
Grain	981.11	38
Grape	11,899,294.22	137,042
Grape, wine	25,473,798.62	326,035
Grapefruit	438,205.85	6,318
Grass, seed	28,131.63	1,164
Greenhouse fumigation	17.27	N/A
Guava	975.27	112
Herb, spice	11,230.06	2,407
Hops	99.51	46
Horseradish	978.3	42
Household	6.08	N/A
Industrial hemp	2,590.02	349
Industrial processing water	43,593.78	1
Industrial site	12,373.32	30
Industrial waste disposal systems, disposal water	308.18	N/A
Jicama	99.3	2
Jojoba bean	645.6	N/A

Commodity or Site	Pounds Applied	Apps
Jujube	7.48	16
Kale	105,202.55	14,846
Kiwi fruit fuzzy	122,379.77	3,905
Kohlrabi	8,091.29	1,269
Kumquat	456.47	83
Landscape maintenance	1,539,300.32	1,175
Leek	19,048.13	1,655
Lemon	3,817,248.19	39,674
Lettuce, head	820,388.89	131,689
Lettuce, leaf	1,454,272.69	231,413
Lime	18,716.57	361
Loganberry	0.07	1
Lumber, treated	1,473,467.85	N/A
Macadamia nut	15.56	19
Mango	29,040.03	94
Melon	337,224.69	3,290
Mint	2,785.27	1,042
Mizuna	2,134.37	1,167
Mushroom	7,977.26	4,034
Mushroom house	1,676.72	435
Mushroom soil	106.04	145
Mustard	14,378.34	2,217
Mustard cabbage (pak choi)	3.31	6
Mustard greens	28,137.65	3,997
N-grnhs flower	35,178.85	12,724
N-grnhs plants in containers	46,501.69	64,534
N-grnhs transplants	38,756.22	40,955
N-outdr flower	188,847.95	29,410
N-outdr plants in containers	605,528.73	81,532
N-outdr transplants	690,273.21	18,741
Nectarine	1,197,521.61	36,130
Nursery soil	75.89	97
Nuts	15.09	N/A
Oat	10,733.97	677
Oat (forage - fodder)	57,935.31	5,305
Okra	524.84	49
Olallieberry	4.29	3
Olive	505,216.26	8,124
Onion, dry	1,323,088.05	13,806
Onion, green	76,718.9	671
Orange	10,637,775.93	119,199
Orchard floor	940.31	47
Orchardgrass	5,772.27	157

Commodity or Site	Pounds Applied	Apps
Oregano	148.8	253
Papaya	0.02	N/A
Parsley	40,089.15	4,650
Parsnip	3.91	7
Pasture (forage - fodder)	462.58	23
Pastureland	24,251.72	1,433
Peach	2,635,352.27	70,331
Peanut	130.8	6
Pear	1,112,476.38	7,865
Pear, asian (oriental pear, ya, ya li, nashi)	6,318.07	264
Peas	92,006.47	6,154
Pecan	36,985.39	1,388
Pepper, fruiting	1,325,059.08	12,428
Pepper, spice	19,527.83	244
Peppermint	7.89	5
Persimmon	8,363.69	880
Pimento	480.73	8
Pistachio	6,251,755.65	100,609
Plum	802,208.65	24,269
Pluot	4,055.28	190
Pome fruit	110.88	52
Pomegranate	576,015.97	3,755
Pomelo	43,792.33	787
Potato	1,073,363.56	4,795
Prune	530,296.6	9,086
Public health	514,677.58	1
Pumpkin	78,842.58	2,478
Purslane, garden	73.91	11
Quince	3,572.29	246
Radicchio	8,504.61	1,164
Radish	13,728.85	4,384
Rangeland	7,460.81	607
Rapini	23,806.43	2,392
Raspberry	467,497.88	10,663
Recreation area	768.33	14
Regulatory pest control	138,579.92	16
Research commodity	6,789.5	2,899
Residential	11.09	N/A
Restaurant	<0.01	N/A
Rice	4,414,437.32	40,099
Rice, wild	35,057.91	91
Rights of way	3,721,206.25	4,402

Commodity or Site	Pounds Applied	Apps
Root vegetable	85.11	117
Rosemary	593.31	498
Rutabaga	15.47	4
Rye	1,044.95	106
Ryegrass	13,047.47	581
Safflower	186,312.34	1,282
Sage	200.92	257
Sesame, seed	0.12	N/A
Sewage system	427.32	N/A
Shallot	296.26	28
Small fruits/berry	4,837.53	100
Sod farm (turf)	11,428.37	509
Soil fumigation/preplant	3,499,713.06	2,328
Sorghum (forage - fodder)	21,537.07	777
Sorghum/milo	18,171.31	715
Soybean	1,082.64	17
Spinach	245,659.36	48,445
Squash	89,396.1	2,058
Squash, summer	37,460.42	364
Squash, winter	39,254.19	254
Squash, zucchini	645.98	53
Stone fruit	5,032.3	307
Storage area/box	281.41	N/A
Strawberry	12,236,138.29	81,161
Structural pest control	4,304,951.33	4
Sudangrass	14,058.91	624
Sugarbeet	613,968.1	4,604
Sugarbeet (forage - fodder)	163.35	3
Sugarcane	42.32	5
Sunflower	114,584.52	3,305
Sweet potato	1,658,414.04	1,313
Swiss chard	42,912.96	6,943
Tangelo	212,303.27	3,369
Tangerine	4,317,235.46	50,401
Tarragon	30.69	96
Tat soi (spinach mustard)	22.01	27
Thyme	199.61	174
Timothy	1,611.42	106
Tomatillo	192.27	14
Tomato	1,102,068.34	16,777
Tomato, processing	10,020,954.41	36,825
Triticale	26,587.91	2,086
Tropical/subtropical fruit	368.95	74

Commodity or Site	Pounds Applied	Apps
Turf/sod	84,019.83	1,493
Turnip	28,079.74	589
Turnip greens	50.11	82
Uncultivated ag	1,509,573.66	36,221
Uncultivated non-ag	40,099.28	1,470
Unknown	14,641.71	199
Upland cress	1,018.07	988
Vegetable	797.6	211
Vegetables, fruiting	307.59	216
Vegetables, leafy	2,215.61	2,428
Vertebrate control	9,656.8	329
Vetch	571.1	2
Walnut	5,379,077.52	146,348
Water (industrial)	2,008,920.01	N/A
Water area	764,101.8	375
Water convolvulus	382.5	N/A
Water systems - human potable/drinking	531.88	N/A
Water washer/cooler/condenser systems	55,058.02	N/A
Watercress	283.67	113
Watermelon	401,139.19	5,127
Wheat	130,877.26	6,884
Wheat (forage - fodder)	129,777.75	15,384
Yam	428.22	7