

The Top 100 Chemicals by Acres Treated in Total Statewide Pesticide Use in 2020

Text files of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. The ranking of chemicals 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. Chemical names that end with an " * " are adjuvants. Application counts (Apps) include only agricultural pesticide uses. A zero value in Acre Treated or Apps indicates all applications were nonagricultural uses. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

Chemical	Rank	Pounds Applied	Apps	Acre Treated
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)*	1	2,117,714	238,167	9,664,737
sulfur	2	47,313,370	145,209	5,481,278
mineral oil	3	43,640,090	156,859	5,435,013
dimethylpolysiloxane*	4	228,384	146,786	5,414,579
methylated soybean oil*	5	2,745,701	134,025	4,800,115
glyphosate, potassium salt	6	6,464,485	92,015	3,260,162
lecithin*	7	895,723	83,671	3,080,241
lambda-cyhalothrin	8	112,010	75,396	2,727,184
alpha-undecyl-omega-hydroxypoly(oxyethylene)*	9	542,432	80,293	2,693,599
ammonium sulfate	10	967,267	75,940	2,594,883
abamectin	11	48,164	70,243	2,570,906
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids*	12	180,175	69,595	2,446,978
glufosinate-ammonium	13	2,457,481	80,724	2,335,289
citric acid	14	178,100	63,436	2,324,513
chlorantraniliprole	15	187,443	49,885	2,323,460
glyphosate, isopropylamine salt	16	5,705,955	80,449	2,248,551
oxyfluorfen	17	952,744	67,906	2,231,517
phosphoric acid	18	181,667	64,696	2,178,447
fatty acids, mixed*	19	181,937	44,077	2,126,282

Chemical	Rank	Pounds Applied	Apps	Acre Treated
methoxyfenozide	20	599,667	39,352	2,086,056
tall oil fatty acids*	21	183,353	50,530	2,064,965
diethylene glycol*	22	236,482	30,838	1,577,072
bifenthrin	23	307,581	33,391	1,540,282
polyacrylamide polymer*	24	13,996	26,885	1,494,056
azoxystrobin	25	290,372	34,973	1,486,588
4-nonylphenol, formaldehyde resin, propoxylated*	26	167,398	42,946	1,386,670
copper hydroxide	27	3,115,937	42,333	1,375,603
imidacloprid	28	378,619	53,324	1,362,750
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), phosphate ester*	29	249,135	33,601	1,344,639
propionic acid	30	173,242	38,078	1,313,246
fluopyram	31	125,636	32,393	1,294,899
spinetoram	32	75,229	59,611	1,187,018
pendimethalin	33	2,440,989	31,111	1,144,074
polybutenes	34	95,208	36,084	1,140,576
propylene glycol	35	103,531	39,459	1,137,882
polyalkene oxide modified heptamethyl trisiloxane*	36	42,872	36,086	1,127,876
fatty acids, c16-c18 and c18-unsaturated, methyl esters*	37	459,224	36,205	1,121,530
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)*	38	112,907	44,896	1,077,300
pyraclostrobin	39	128,798	35,918	1,045,506
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)*	40	126,535	31,489	1,016,052
saflufenacil	41	39,250	22,908	988,622
spirotetramat	42	106,779	54,070	979,825
polyether modified polysiloxane*	43	98,038	37,942	926,986
isopropyl alcohol	44	44,920	40,640	923,253
trifloxystrobin	45	90,602	24,062	892,722
tebuconazole	46	135,775	21,903	891,455
polyethylene glycol*	47	135,906	23,992	879,133
rimsulfuron	48	38,905	27,895	815,622
mancozeb	49	1,557,453	34,559	810,416
paraquat dichloride	50	854,429	15,384	808,407
alpha-pinene beta-pinene copolymer*	51	246,961	28,178	806,766
heptamethyltrisiloxane-1,3-propanediol ether, ethoxylated propoxylated*	52	90,054	25,978	798,243
oleic acid, methyl ester*	53	1,114,418	17,845	792,043
pyraflufen-ethyl	54	2,845	18,868	764,270

Chemical	Rank	Pounds Applied	Apps	Acre Treated
polyoxyethylene polyoxypropylene*	55	142,189	27,796	755,877
carfentrazone-ethyl	56	16,339	20,614	744,178
indaziflam	57	41,662	28,788	741,169
clethodim	58	133,628	16,575	737,943
oleic acid*	59	82,636	21,806	733,672
difenoconazole	60	63,753	16,054	713,405
oleic acid, ethyl ester*	61	329,975	30,904	708,546
polyethylene glycol stearate*	62	81,378	30,894	708,165
alkyl (c8,c10) polyglucoside*	63	116,582	21,707	707,808
esfenvalerate	64	44,150	18,597	681,382
benzoic acid*	65	5,715	22,673	661,212
dimethyl alkyl tertiary amines*	66	6,233	22,669	661,020
ammonium nitrate*	67	80,341	26,376	651,114
alpha-alkyl (c9-c16)-omega-hydroxypoly(oxyethylene)*	68	208,325	14,017	625,498
acetamiprid	69	68,377	23,686	623,968
glycerol*	70	112,227	16,033	582,306
alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate*	71	39,317	14,595	573,153
propiconazole	72	123,783	18,735	569,489
modified phthalic glycerol alkyd resin*	73	126,981	17,478	567,916
tall oil*	74	54,577	20,988	567,598
cyprodinil	75	138,287	18,499	553,268
metconazole	76	59,226	8,835	553,057
urea dihydrogen sulfate	77	281,545	12,233	549,115
butyl alcohol*	78	37,674	12,330	545,796
fluxapyroxad	79	54,733	12,770	536,908
ammonium propionate*	80	89,503	16,926	536,557
etoxazole	81	66,292	11,143	536,111
penthiopyrad	82	128,650	14,032	534,919
heptamethyltrisiloxane ethoxylated*	83	55,737	12,676	531,499
permethrin	84	162,533	38,898	525,691
chlorothalonil	85	1,149,169	16,222	524,266
gibberellins	86	29,027	17,395	507,540
thiamethoxam	87	50,627	26,466	506,626
bifenazate	88	301,708	12,513	489,912
methyl silicone resins*	89	96,722	16,835	486,335
alpha-(para-dodecylphenyl)-omega-hydroxypoly(oxyethylene)*	90	21,846	20,173	483,161
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate*	91	116,749	25,070	472,408
boscalid	92	123,591	23,360	469,678
potassium phosphite	93	1,408,631	23,426	467,634

Chemical	Rank	Pounds Applied	Apps	Acre Treated
sodium polyacrylate*	94	2,302	11,496	459,979
flonicamid	95	39,092	13,347	456,984
flupyradifurone	96	64,584	19,969	455,912
beta-cyfluthrin	97	21,096	20,057	445,387
hexythiazox	98	77,211	9,707	441,133
dimethoate	99	149,535	7,514	438,556
quinoxifen	100	40,195	13,867	424,732