The Top 100 Chemicals by Acres Treated in Total Statewide Pesticide Use in 2024

Text files of data are available. 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. Application counts (Apps) include only agricultural pesticide uses. A zero value under Acres Treated or Apps indicates that the pounds applied were nonagricultural uses. Chemicals in adjuvant products are excluded from this table. Values are rounded. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions Guide.

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	1	1,786,045	191,556	8,758,517
Dimethylpolysiloxane	2	223,742	130,876	5,159,451
Methylated soybean oil	3	2,717,308	141,038	4,868,675
Sulfur	4	38,208,168	123,556	4,579,454
Mineral oil	5	30,492,723	135,978	4,505,862
Lecithin	6	738,879	93,585	3,273,709
Citric acid	7	230,171	80,101	2,979,060
Glyphosate, potassium salt	8	5,655,010	73,394	2,795,638
Ammonium sulfate	9	1,201,028	72,110	2,789,849
Lambda-cyhalothrin	10	156,591	72,381	2,771,679
Alpha-undecyl-omega-hydroxypoly(oxyethylene)	11	553,249	89,523	2,737,918
Tall oil fatty acids	12	343,202	59,199	2,619,312
N,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	13	159,622	71,311	2,565,895
Glufosinate-ammonium	14	2,398,177	81,214	2,430,441
Glyphosate, isopropylamine salt	15	5,510,421	77,194	2,281,522
Chlorantraniliprole	16	171,590	45,102	2,189,323
Abamectin	17	39,996	60,680	2,146,698
Methoxyfenozide	18	623,817	39,886	2,052,578
Oxyfluorfen	19	751,282	60,649	1,933,475
Alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	20	238,952	60,243	1,874,355
Bifenthrin	21	357,355	36,420	1,844,087
Alcohols, c12-14-secondary, ethoxylated	22	161,280	38,633	1,703,074

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Phosphoric acid	23	127,718	60,388	1,694,744
Azoxystrobin	24	324,408	39,244	1,621,903
Propionic acid	25	209,908	38,585	1,484,598
Clethodim	26	231,282	36,283	1,445,786
Polyacrylamide	27	11,359	24,330	1,414,064
Polyalkeneoxide modified heptamethyltrisiloxane	28	98,415	40,897	1,387,035
Diethylene glycol	29	200,321	22,287	1,331,074
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxy ethylene), phosphate ester	30	149,757	30,912	1,238,151
Fatty acids, mixed	31	8,304	23,180	1,218,233
Pendimethalin	32	2,198,343	28,018	1,074,367
Pyraclostrobin	33	132,852	35,957	1,064,799
Propylene glycol	34	77,321	40,210	960,959
Copper hydroxide	35	1,836,642	31,768	957,220
4-nonylphenol, formaldehyde resin, propoxylated	36	94,099	30,667	938,907
Rimsulfuron	37	43,992	29,803	902,776
Spinetoram	38	56,141	51,785	880,445
Spirotetramat	39	88,670	51,574	848,361
Oleic acid, methyl ester	40	657,479	17,002	826,458
Difenoconazole	41	93,836	17,826	820,818
Polyethylene glycol	42	109,459	19,312	818,302
Heptamethyltrisiloxane-1,3-propanediol ether, ethoxylated propoxylated	43	113,897	25,636	812,286
Methylated silicones	44	98,840	40,295	810,628
Heptamethyltrisiloxane ethoxylated	45	75,521	15,330	809,761
Imidacloprid	46	256,770	41,355	799,261
Alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate	47	66,187	19,092	791,193
Carfentrazone-ethyl	48	15,324	20,724	787,627
Pyraflufen-ethyl	49	2,640	18,768	770,422
Saflufenacil	50	30,652	18,641	770,126
Isopropyl alcohol	51	27,936	22,690	767,643
Polybutene	52	56,816	25,857	764,887
Fatty acids, c16-c18 and c18-unsaturated, methyl esters	53	264,472	25,996	755,205
Urea dihydrogen sulfate	54	310,247	16,718	716,233
Alpha-pinene-beta-pinene copolymer	55	190,891	26,589	707,290

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Etoxazole	56	84,179	13,892	682,471
Fluxapyroxad	57	67,289	15,864	679,656
Polyoxyethylene polyoxypropylene	58	144,601	21,911	650,132
Indaziflam	59	43,746	26,068	645,883
Acetamiprid	60	75,808	22,103	641,330
Propiconazole	61	122,671	19,280	638,989
Alpha-alkyl(c9-c16)-omega-hydroxypoly(oxyethylene)	62	121,748	14,100	634,677
Fluopyram	63	61,323	21,177	633,724
Methyl silicone resins	64	132,992	22,647	608,414
Cyprodinil	65	161,625	18,749	604,393
Glycerol	66	129,349	16,405	597,789
Flonicamid	67	53,770	19,711	585,670
Ammonium propionate	68	85,690	16,715	573,417
Alkyl (c8,c10) polyglucoside	69	110,766	21,175	558,457
Tebuconazole	70	95,857	13,651	552,718
Sodium hypochlorite	71	886,570	52	552,295
Oleic acid	72	47,096	17,390	551,403
Vegetable oil	73	752,645	7,414	548,002
Flupyradifurone	74	84,660	23,898	537,416
Permethrin	75	216,825	37,994	531,887
Propanil	76	2,234,256	6,887	523,150
Trifloxystrobin	77	54,548	17,187	515,078
Zeta-cypermethrin	78	13,106	22,554	512,879
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), branched	79	103,180	12,386	510,079
Ammonium nitrate	80	65,790	17,837	506,888
Oleic acid, ethyl ester	81	244,809	27,599	504,580
Polyethylene glycol stearate	82	57,001	27,532	502,043
Chlorothalonil	83	1,114,665	15,920	494,545
Fludioxonil	84	97,234	17,595	491,865
Benzoic acid	85	3,394	18,525	484,745
Dimethyl alkyl tertiary amines	86	3,704	18,525	484,745
Esfenvalerate	87	45,115	15,451	484,179
Mancozeb	88	960,577	25,111	482,675
Castor oil ethoxylate	89	35,435	13,948	481,889

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Emulsifiable methylated vegetable oil	90	243,309	27,741	463,965
Flumioxazin	91	113,471	16,786	463,785
Sodium polyacrylate	92	2,117	11,028	460,099
Afidopyropen	93	44,705	15,786	458,673
Potassium phosphite	94	1,243,143	23,405	449,373
Butyl alcohol	95	28,632	8,254	444,696
Triethanolamine	96	33,012	9,693	442,633
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	97	89,847	25,126	436,911
Ethephon	98	382,851	8,800	436,681
Tall oil	99	34,897	10,522	435,081
Modified phthalic glycerol alkyd resin	100	79,776	14,191	433,862