The Top 100 Chemicals by Pounds in Total Statewide Pesticide Use in 2024

Text files of data are available. The ranking of chemicals is determined by total pounds of chemical used. 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
Sulfur	1	38,208,168	123,556	4,579,454
Mineral oil	2	30,492,723	135,978	4,505,862
Chloropicrin	3	9,128,132	2,754	45,225
Potassium n-methyldithiocarbamate	4	8,685,286	1,143	45,282
1,3-dichloropropene	5	6,989,162	2,781	43,768
Glyphosate, potassium salt	6	5,655,010	73,394	2,795,638
Glyphosate, isopropylamine salt	7	5,510,421	77,194	2,281,522
Calcium hydroxide	8	3,954,626	9,121	214,505
Kaolin	9	3,710,371	3,646	96,546
Metam-sodium	10	2,833,708	386	13,785
Sulfuryl fluoride	11	2,833,033	8	1,180
Methylated soybean oil	12	2,717,308	141,038	4,868,675
Glufosinate-ammonium	13	2,398,177	81,214	2,430,441
Propanil	14	2,234,256	6,887	523,150
Pendimethalin	15	2,198,343	28,018	1,074,367
Copper hydroxide	16	1,836,642	31,768	957,220
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxy ethylene)	17	1,786,045	191,556	8,758,517
Methyl bromide	18	1,603,994	394	6,045
Copper sulfate (pentahydrate)	19	1,373,972	2,655	117,461
Lime-sulfur	20	1,334,638	3,481	137,214
Potassium phosphite	21	1,243,143	23,405	449,373
Ammonium sulfate	22	1,201,028	72,110	2,789,849
Chlorothalonil	23	1,114,665	15,920	494,545
Boric acid	24	1,102,727	39	105

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Disodium octaborate tetrahydrate	25	1,060,076	22	7,150
Mancozeb	26	960,577	25,111	482,675
Sodium hypochlorite	27	886,570	52	552,295
Vegetable oil	28	752,645	7,414	548,002
Oxyfluorfen	29	751,282	60,649	1,933,475
Lecithin	30	738,879	93,585	3,273,709
Copper sulfate (basic)	31	697,786	7,911	182,781
Oleic acid, methyl ester	32	657,479	17,002	826,458
Hydrogen peroxide	33	653,335	17,261	332,335
Methoxyfenozide	34	623,817	39,886	2,052,578
Diatomaceous earth	35	599,394	3,694	35,746
Alpha-undecyl-omega-hydroxypoly(oxyethylene)	36	553,249	89,523	2,737,918
Hydrogen cyanamide	37	519,585	1,102	35,651
Fatty acids, methyl esters	38	484,302	7,530	416,103
Burkholderia rinojensis strain a396	39	460,125	7,079	102,958
Sodium percarbonate	40	387,249	391	17,865
Ethephon	41	382,851	8,800	436,681
Captan	42	368,327	5,968	208,111
Buprofezin	43	366,069	5,858	273,349
Bensulide	44	360,699	10,913	98,267
Bifenthrin	45	357,355	36,420	1,844,087
S-metolachlor	46	349,302	5,518	230,988
Sodium chlorate	47	348,498	472	30,447
Tall oil fatty acids	48	343,202	59,199	2,619,312
Paraquat dichloride	49	342,227	3,740	319,547
Azoxystrobin	50	324,408	39,244	1,621,903
Potassium bicarbonate	51	320,255	7,951	152,440
Malathion	52	318,349	8,123	181,425
Urea dihydrogen sulfate	53	310,247	16,718	716,233
Carbon dioxide	54	292,724	0	0
Ziram	55	291,607	3,509	53,197
Trifluralin	56	271,531	6,199	253,062
Fatty acids, c16-c18 and c18-unsaturated, methyl esters	57	264,472	25,996	755,205
Imidacloprid	58	256,770	41,355	799,261
Bifenazate	59	252,035	11,789	402,758

Chemical	Rank	Pounds Applied	Apps	Acres Treated
2,4-d, dimethylamine salt	60	249,515	5,846	223,637
Copper oxychloride	61	244,854	8,537	244,074
Oleic acid, ethyl ester	62	244,809	27,599	504,580
Thiobencarb	63	244,602	857	75,935
Emulsifiable methylated vegetable oil	64	243,309	27,741	463,965
Alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	65	238,952	60,243	1,874,355
Clethodim	66	231,282	36,283	1,445,786
Citric acid	67	230,171	80,101	2,979,060
Naled	68	224,439	3,088	168,828
Dimethylpolysiloxane	69	223,742	130,876	5,159,451
Caprylic acid	70	222,392	2,270	38,714
Permethrin	71	216,825	37,994	531,887
Peroxyacetic acid	72	216,501	16,076	327,120
Thiophanate-methyl	73	211,234	10,239	219,945
Propionic acid	74	209,908	38,585	1,484,598
Methomyl	75	203,349	18,149	327,260
Diethylene glycol	76	200,321	22,287	1,331,074
Alpha-pinene-beta-pinene copolymer	77	190,891	26,589	707,290
Bacillus velezensis strain: d747	78	190,193	5,765	46,471
Sulfur dioxide	79	187,531	14	9
Thiram	80	177,892	2,093	78,432
Propargite	81	176,160	1,589	79,322
Methylated fatty acids from canola oil	82	173,644	3,148	116,328
Chlorantraniliprole	83	171,590	45,102	2,189,323
Cuprous oxide	84	168,746	4,562	67,426
Triclopyr, triethylamine salt	85	165,693	4,604	327,723
Cyprodinil	86	161,625	18,749	604,393
Alcohols, c12-14-secondary, ethoxylated	87	161,280	38,633	1,703,074
Eptc	88	160,440	898	57,905
Capric acid	89	159,628	2,269	38,706
N,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	90	159,622	71,311	2,565,895
Sodium bromide	91	158,413	1	19
Octhilinone	92	156,772	0	0
Lambda-cyhalothrin	93	156,591	72,381	2,771,679

Chemical	Rank	Pounds Applied	Apps	Acres Treated
Soybean oil	94	154,984	5,504	130,827
Dithiopyr	95	154,142	1,271	4,709
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxy ethylene), phosphate ester	96	149,757	30,912	1,238,151
Sodium chlorite	97	149,661	12	13
Acephate	98	146,126	10,958	161,042
Bacillus thuringiensis subsp. aizawai strain: abts-1857	99	145,318	17,595	175,592
Polyoxyethylene polyoxypropylene	100	144,601	21,911	650,132