

Use Trends of Pesticides Listed by U.S. EPA as A or B Carcinogens or on the State's Proposition 65 List of Chemicals that are 'Known to Cause Cancer': Pounds Applied

[Text files](#) of data are available. The reported pounds of chemicals used that are included on the State's Proposition 65 list of chemicals known to cause cancer as well as the chemicals receiving a 'carcinogen,' 'probable carcinogen,' or 'possible carcinogen' rating from the U.S. Environmental Protection Agency's Chronic Dose-Response Assessment Table (Dose-Response Assessment for Assessing Health Risks Associated with Exposure to Hazardous Air Pollutants). Values greater than one are rounded. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions [Guide](#).

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	1	0	0	0	0	0	0	0	0	0
1,3-dichloropropene	13,615,169	15,693,070	14,132,954	12,581,936	12,580,525	11,304,749	11,686,702	11,089,115	9,749,522	7,023,406
4-vinylcyclohexenediep oxide	0	0	0	0	< 1	< 1	2	1	< 1	1
Acifluorfen, sodium salt	< 1	0	0	0	< 1	0	0	< 1	0	0
Aggregated adjuvant data	84	116	488	293	390	360	377	286	66	150
Alachlor	5,118	3,230	84	9	5	9	0	9	9	9
Amitrole	0	0	2	0	0	14	0	0	0	0
Arsenic pentoxide	16,719	22,190	10,508	5,105	3,677	0	0	0	0	0
Arsenic trioxide	< 1	< 1	< 1	0	0	0	0	0	0	0
Cacodylic acid	< 1	0	< 1	< 1	1	0	1	< 1	< 1	< 1
Captan	370,136	511,177	638,313	561,762	414,516	379,101	376,873	333,397	332,165	367,648
Carbaryl	131,744	155,525	221,095	107,470	128,935	113,755	110,504	99,403	85,258	84,510
Carbon tetrachloride	7	< 1	< 1	< 1	< 1	< 1	142	104	0	0
Chlordane	0	2	0	< 1	< 1	0	< 1	0	< 1	1

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Chlordecone	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorothalonil	1,215,726	1,068,885	1,130,328	1,240,450	1,172,502	1,163,049	1,152,719	913,652	799,607	1,194,970
Chromic acid	23,358	31,629	15,709	7,632	5,497	0	0	0	0	0
Coconut diethanolamide	12,891	11,726	15,808	16,637	19,574	28,580	19,794	31,460	21,106	20,829
Creosote	0	1	0	0	< 1	1	3	4	0	1
Daminozide	8,427	8,974	7,585	8,063	6,819	7,146	5,286	4,301	4,628	3,785
Ddvp	4,122	4,132	3,919	3,523	3,581	3,350	4,582	3,542	4,984	4,068
Ddvp, other related	51	34	35	22	28	42	88	31	45	22
Diocetyl phthalate	0	0	0	0	0	0	0	0	0	0
Dipropyl isocinchomeronate	< 1	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1
Diuron	325,345	317,328	248,389	179,467	188,426	171,376	163,510	111,835	93,310	60,128
Ethoprop	3,076	1,820	2,023	2,134	5,848	5,950	7,792	9,490	14,200	13,006
Ethylene dibromide	0	< 1	0	0	0	0	2	2	0	0
Ethylene oxide	< 1	0	0	0	0	0	0	0	0	0
Fenoxycarb	1	9	2	3	< 1	< 1	< 1	< 1	< 1	< 1
Folpet	< 1	< 1	< 1	< 1	0	< 1	< 1	< 1	0	< 1
Formaldehyde	52,989	31,956	23,116	11,825	1,349	3,082	8,696	5,452	5,138	0
Glyphosate	21	129	40	37	70	10	22	0	448	0
Glyphosate, diammonium salt	4,018	3,135	1,900	332	439	245	4,548	47,334	14,574	17,541
Glyphosate, dimethylamine salt	128,942	139,644	156,713	149,505	141,523	172,456	229,831	190,720	191,991	225,844
Glyphosate, isopropylamine salt	4,871,069	4,854,887	5,134,385	5,350,425	5,772,409	6,312,433	5,699,269	4,706,133	5,107,156	5,287,561
Glyphosate, monoammonium salt	28,705	20,737	31,573	25,362	22,787	26,181	27,292	23,832	28,447	26,542
Glyphosate, potassium salt	5,613,811	6,520,135	6,424,645	6,272,933	6,133,674	6,084,115	6,482,858	5,582,470	4,394,932	5,107,766

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Glyphosate-trimesium	310	0	0	34	19	3	0	0	60	0
Heptachlor	0	0	0	< 1	< 1	0	0	0	0	0
Imazalil	19,312	22,305	26,528	22,293	28,336	28,737	31,198	31,046	21,982	30,979
Iprodione	240,613	223,807	297,611	260,567	111,676	108,611	79,604	63,992	38,623	42,178
Kresoxim-methyl	28,346	23,915	22,905	23,570	20,018	17,447	16,818	11,892	26,937	12,303
Lindane	0	6	0	0	0	< 1	20	2	2	0
Malathion	502,997	443,267	355,452	334,893	361,854	325,357	360,256	252,097	450,592	272,549
Mancozeb	1,282,112	1,273,730	1,437,311	1,521,405	1,323,816	1,544,627	1,558,376	1,043,969	1,000,448	773,398
Maneb	1,307	286	1,275	2,224	59	3,221	866	653	166	95
Metam-sodium	4,297,719	3,606,650	3,297,827	3,144,344	3,765,658	4,307,477	4,326,370	3,593,891	3,636,234	2,800,317
Methyl eugenol	0	0	126	386	1,149	1,138	561	691	1,221	1,966
Methyl iodide	0	0	0	0	0	9	0	0	0	0
Methylene chloride	< 1	< 1	< 1	9	< 1	2	< 1	0	0	0
Metiram	13	< 1	4	26	18	13	11	37	29	5
Naphthalene	0	0	0	< 1	< 1	< 1	0	< 1	0	0
Nitrapyrin	0	5	2	0	16	179	0	106	0	13
Ortho-phenylphenol	1,777	1,316	1,181	472	418	400	88	50	1	1
Ortho-phenylphenol, sodium salt	3,611	4,815	2,261	0	0	0	0	0	0	32
Oryzalin	582,736	510,680	316,178	338,904	298,742	246,672	131,582	37,184	15,281	7,884
Oxadiazon	4,960	12,139	5,028	6,072	8,264	3,626	3,569	5,010	3,097	3,999
Oxythioquinox	< 1	0	1	0	< 1	0	0	0	< 1	< 1
Para-dichlorobenzene	0	0	0	< 1	< 1	1	0	2	< 1	0
Parathion	1	836	41	3	3	49	11	< 1	149	68
Pentachlorophenol	11	2	0	< 1	< 1	< 1	< 1	< 1	1	< 1
Potassium dichromate	0	< 1	0	0	0	0	0	< 1	0	0
Potassium n-methyldit hiocarbamate	7,798,703	10,256,414	9,346,591	8,940,720	8,527,736	6,629,298	9,000,088	8,513,080	8,005,694	8,633,739

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Propargite	246,496	214,128	206,503	245,228	226,488	227,820	227,074	160,835	169,372	140,411
Propoxur	251	100	49	43	29	15	5	3	3	2
Propylene oxide	400,719	396,191	368,260	255,702	216,833	229,979	271,228	163,231	138,059	168,176
Propyzamide	42,662	41,912	94,517	107,221	114,498	115,292	119,001	114,614	114,637	117,557
Pymetrozine	4,123	2,992	4,245	3,453	4,732	5,846	4,635	2,026	1,829	2,434
Resmethrin	188	4	148	67	54	3	11	5	111	1
S,s,s-tributyl phosphorotrithioate	11,683	6,472	6,882	8,151	8,911	8,104	6,546	6,804	3,974	3,504
Sedaxane	0	0	< 1	< 1	0	0	0	151	148	51
Sodium dichromate	2	0	0	0	0	0	0	0	0	0
Spirodiclofen	49,054	34,540	42,285	47,322	52,804	48,064	58,681	59,879	28,884	22,039
Terrazole	473	452	416	304	180	108	78	100	128	105
Tetrachloroethylene	2	< 1	< 1	0	< 1	0	< 1	0	0	0
Tetrachlorvinphos	629	173	66	55	109	63	31	38	< 1	< 1
Thiodicarb	0	0	0	< 1	0	0	0	0	0	0
Toxaphene	7	4	3	35	8	< 1	< 1	14	< 1	8
Trichloro ethylene	0	0	0	10	< 1	2	0	0	0	0
Vinclozolin	219	149	125	81	39	12	114	6	2	5
Total	41,952,570	46,477,766	44,033,436	41,788,520	41,675,046	39,628,184	42,177,716	37,213,984	34,505,252	32,471,609