

Use Trends of Pesticides on DPR's Toxic Air Contaminants List: Pounds Applied

[Text files](https://files.cdpr.ca.gov/pub/outgoing/pur/data/) of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. The reported pounds of chemicals used that are on DPR's toxic air contaminants list applied in California. These pesticides are the chemicals listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6860. Use includes both agricultural and reportable nonagricultural applications. The word "none" or "N/A" indicates no use at all that year. Values > 1 are rounded.

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,3-dichloropropene	12,960,537	13,614,468	15,689,571	14,129,401	12,581,936	12,580,525	11,300,809	11,678,006	11,086,414	9,748,837
2,4-d	5,665	6,384	7,372	6,046	4,344	6,083	5,575	6,860	8,788	7,956
2,4-d, 2-ethylhexyl ester	25,647	21,656	26,985	31,914	19,382	20,880	23,853	20,374	18,084	20,008
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	18	0	201	21	82	204	7	1	0	N/A
2,4-d, butoxyethanol ester	2,483	2,318	1,791	893	1,325	2,105	1,948	3,344	2,405	3,185
2,4-d, butyl ester	26	N/A	129	N/A	50	N/A	33	N/A	N/A	N/A
2,4-d, diethanolamine salt	2,880	4,081	3,628	3,227	2,977	3,254	3,044	3,383	2,900	2,591
2,4-d, dimethylamine salt	352,142	329,058	361,610	368,389	305,705	328,049	320,101	357,310	331,076	316,952
2,4-d, dodecylamine salt	N/A	N/A	N/A	10	N/A	N/A	N/A	N/A	N/A	N/A
2,4-d, isoocetyl ester	1,421	779	1,026	899	361	630	490	373	615	399
2,4-d, isopropyl ester	11,768	10,806	11,488	14,951	12,738	13,585	13,867	12,913	12,958	12,944
2,4-d, propyl ester	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4-d, tetradecylamine salt	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
2,4-d, triethylamine salt	0	23	10	137	2	0	12	0	1	11
2,4-d, triisopropanolamine salt	1,588	2,439	1,945	1,675	534	1,412	807	491	186	599
2,4-d, triisopropylamine salt	1,263	1,871	1,372	1,139	749	264	69	119	N/A	45
2,4-dichlorophenoxyacetic acid, choline salt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,989	27,978	38,239
Acrolein	101,817	84,220	56,830	48,108	56,227	57,971	54,899	54,950	50,253	36,420
Aluminum phosphide	142,905	113,910	90,315	160,806	299,642	123,661	90,506	149,450	130,559	153,945
Arsenic pentoxide	8,480	16,719	22,190	10,508	5,105	3,677	N/A	N/A	N/A	N/A
Arsenic trioxide	N/A	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
Captan	349,430	370,136	511,177	638,406	561,762	414,516	379,101	376,873	333,320	332,669
Captan, other related	5,967	4,717	4,030	4,838	4,159	3,853	3,482	4,227	3,429	3,365
Carbaryl	117,272	131,744	155,525	221,095	107,470	128,818	113,587	110,403	99,402	84,128
Chlorine	1,323,645	800,013	603,519	726,781	418,713	589,661	676,123	246,961	180,763	510,828
Chloropicrin	8,220,328	8,994,608	8,514,720	8,642,911	8,788,404	7,484,288	8,062,333	8,371,465	8,506,634	8,769,970
Chlorpyrifos	1,469,645	1,312,209	1,107,417	903,260	948,004	602,946	12,817	14,121	7,566	1,839
Chromic acid	11,847	23,358	31,629	15,709	7,632	5,497	N/A	N/A	N/A	N/A
Dazomet	63,920	58,652	83,058	53,928	47,513	25,948	13,317	22,048	43,421	30,662
Ddvp	4,630	4,034	4,084	3,868	3,456	3,515	3,309	4,517	3,508	4,944
Endosulfan	1,833	8,136	6,420	576	55	1	81	231	105	59
Ethylene oxide	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	11,165	52,989	31,956	23,116	11,825	1,349	3,082	8,696	5,452	5,138
Hydrogen chloride	395	412	553	589	1,573	3,958	1,385	1,059	802	855
Lindane	2	N/A	6	N/A	N/A	N/A	1	20	2	2
Magnesium phosphide	12,373	7,562	22,316	14,766	9,021	8,344	9,660	8,313	35,652	15,370
Mancozeb	1,148,671	1,282,145	1,273,707	1,435,363	1,521,544	1,323,416	1,543,570	1,558,153	1,043,265	996,511
Maneb	1,383	1,274	286	1,275	2,224	59	3,221	866	653	165
Meta-cresol	7	0	0	1	4	0	0	1	1	1
Metam-sodium	4,846,428	4,297,539	3,606,650	3,297,827	3,144,356	3,765,658	4,307,477	4,326,370	3,593,891	3,630,276
Methanol	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Methidathion	6,375	3,614	245	146	11	140	2	0	3	N/A
Methoxychlor	<0.01	N/A	0	<0.01	3	N/A	10	N/A	0	0
Methoxychlor, other related	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	0
Methyl bromide	3,534,488	2,963,143	2,655,355	2,603,395	1,798,430	1,683,010	1,641,575	1,687,149	1,603,942	1,618,797
Methyl iodide	N/A	N/A	N/A	N/A	N/A	N/A	9	N/A	N/A	N/A
Methyl isothiocyanate	N/A	92	63	77	153	511	N/A	79	246	N/A
Methyl parathion	21,520	481	182	24	5	10	4	74	54	22
Methyl parathion, other related	1,131	0	5	0	N/A	N/A	0	0	N/A	N/A
Naphthalene	<0.01	N/A	N/A	N/A	0	<0.01	0	N/A	0	N/A
Para-dichlorobenzene	<0.01	N/A	N/A	N/A	0	0	1	N/A	2	0
Parathion	0	1	836	41	3	3	49	11	0	198
Pcnb	26,131	23,431	20,626	53,374	76,601	83,944	69,718	45,784	25,405	9,159
Pcp, other related	39	2	3	0	0	3	2	1	0	<0.01
Pcp, sodium salt	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A
Pentachlorophenol	274	11	25	1	4	27	20	9	4	1
Phenol	5	3	1	41	3	0	2	0	N/A	N/A
Phenol, ferrous salt	N/A	0	N/A	N/A	N/A	N/A	N/A	0	0	N/A
Phosphine	20,855	11,399	28,397	19,234	21,700	19,561	48,814	83,260	88,597	15,662
Phosphorus	3	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	0
Potassium n-methyldithiocarbamate	9,484,467	7,798,703	10,254,800	9,343,192	8,940,720	8,527,736	6,629,298	9,000,088	8,513,080	8,005,692
Potassium permanganate	N/A	N/A	N/A	113	N/A	N/A	N/A	12	N/A	52
Propoxur	373	251	100	49	43	29	15	5	3	3
Propylene oxide	405,059	400,719	396,191	368,260	255,702	213,681	229,979	271,228	163,231	138,059
S,s,s-tributyl phosphorotrithioate	19,077	11,683	6,472	6,882	8,151	8,911	8,104	6,546	6,804	3,789
Sodium cyanide	2,593	2,611	3,108	2,869	3,057	2,986	2,618	2,698	2,389	2,350
Sodium dichromate	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium tetrathiocarbonate	0	120	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfuryl fluoride	3,061,136	2,801,523	3,042,482	3,301,117	3,146,765	3,013,619	3,013,702	2,831,230	3,088,360	3,472,322

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Trifluralin	510,424	513,766	471,559	387,921	346,848	352,469	323,617	300,855	305,675	326,707
Xylene	1,181	1,712	668	556	167	160	782	629	288	118
Zinc phosphide	2,287	3,598	4,001	3,722	4,202	4,334	2,278	3,718	2,889	4,601
Total	48,305,007	46,095,126	49,118,635	46,853,449	43,471,439	41,415,263	38,919,166	41,586,265	39,331,053	38,326,444