

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

Text files 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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1,3-dichloropropene	10,924,344	11,953,290	12,960,537	13,614,468	15,689,571	14,129,401	12,581,936	12,580,525	11,300,809	11,678,006
2,4-d	5,400	4,259	5,665	6,384	7,372	6,046	4,344	6,083	5,575	6,860
2,4-d, 2-ethylhexyl ester	25,795	27,640	25,647	21,655	26,985	31,914	19,382	20,880	23,839	20,324
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	1	16	18	<1	201	21	82	204	7	1
2,4-d, butoxyethanol ester	1,757	1,798	2,483	2,318	1,791	893	1,325	2,105	1,948	3,344
2,4-d, butyl ester	4	13	26	N/A	129	N/A	50	N/A	33	N/A
2,4-d, diethanolamine salt	3,165	2,649	2,880	4,081	3,628	3,227	2,977	3,254	3,044	3,381
2,4-d, dimethylamine salt	408,970	371,798	352,142	329,058	361,610	368,389	305,705	328,049	320,089	356,399
2,4-d, dodecylamine salt	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	N/A
2,4-d, isooctyl ester	5,361	4,623	1,421	779	1,026	899	361	630	490	373
2,4-d, isopropyl ester	19,452	13,528	11,768	10,806	11,488	14,951	12,738	13,585	13,858	12,777
2,4-d, propyl ester	N/A	N/A	6	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	N/A	N/A	2	N/A	N/A	N/A	N/A
2,4-d, triethylamine salt	106	5	<1	23	10	137	2	<1	12	<1
2,4-d, triisopropanolamine salt	2,741	1,746	1,588	2,439	1,945	1,675	534	1,412	807	491

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
2,4-d, triisopropylamine salt	1,971	770	1,263	1,871	1,372	1,139	749	264	69	119
2,4-dichlorophenoxyacetic acid, choline salt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,989
acrolein	101,425	114,130	101,817	84,220	56,830	48,108	56,227	57,971	54,899	54,950
aluminum phosphide	157,006	149,050	142,905	113,910	90,314	160,806	299,642	123,661	90,456	149,941
arsenic acid	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
arsenic pentoxide	8,034	9,240	8,480	16,719	22,190	10,508	5,105	3,677	N/A	N/A
arsenic trioxide	<1	<1	N/A	<1	<1	<1	N/A	N/A	N/A	N/A
captan	376,790	403,224	349,430	370,136	511,177	638,401	561,762	414,516	378,091	376,057
captan, other related	8,399	8,904	5,967	4,717	4,030	4,837	4,159	3,853	3,463	4,209
carbaryl	74,946	113,845	117,272	131,744	155,525	221,095	107,453	128,818	113,531	110,231
chlorine	834,152	1,437,637	1,323,645	800,013	603,519	726,781	418,713	589,661	676,122	246,961
chloropicrin	7,307,900	8,931,248	8,220,328	8,994,608	8,514,720	8,642,911	8,788,404	7,484,288	8,061,484	8,370,636
chlorpyrifos	1,301,135	1,107,027	1,469,645	1,312,209	1,107,417	903,262	948,004	602,946	12,817	14,120
chromic acid	11,224	12,908	11,847	23,358	31,629	15,709	7,632	5,497	N/A	N/A
dazomet	59,245	39,229	63,920	58,652	83,058	53,928	47,513	25,948	13,317	22,048
ddvp	5,480	4,890	4,630	4,034	4,084	3,868	3,456	3,515	3,309	4,477
endosulfan	15,679	11,113	1,833	8,136	6,420	576	55	1	81	231
ethylene oxide	N/A	8	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A
formaldehyde	4,615	3,847	11,165	52,989	31,956	23,116	11,825	1,349	3,082	8,696
hydrogen chloride	504	336	395	412	553	589	1,573	3,958	1,385	1,059
lindane	1	N/A	2	N/A	6	N/A	N/A	N/A	1	N/A
magnesium phosphide	12,769	11,497	12,373	7,562	22,316	14,766	9,021	8,344	9,660	8,308
mancozeb	1,047,232	1,131,071	1,148,671	1,282,145	1,273,707	1,435,417	1,521,544	1,323,395	1,543,530	1,557,326
maneb	54,541	6,260	1,383	1,274	286	1,275	2,224	59	3,221	865
meta-cresol	1	2	7	<1	<1	1	4	<1	<1	1
metam-sodium	10,919,085	8,444,536	4,846,428	4,297,539	3,606,650	3,297,827	3,144,356	3,765,658	4,307,477	4,320,642
methanol	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A
methidathion	29,545	23,396	6,375	3,614	245	146	11	140	2	<1
methoxychlor	39	N/A	<1	N/A	<1	<1	3	N/A	10	N/A
methoxychlor, other related	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A
methyl bromide	4,055,208	4,017,411	3,534,488	2,963,143	2,655,355	2,603,395	1,798,430	1,683,010	1,639,850	1,685,379
methyl iodide	1,157	21	N/A	N/A	N/A	N/A	N/A	N/A	9	N/A
methyl isothiocyanate	476	764	N/A	92	63	77	153	511	N/A	79
methyl parathion	22,970	25,408	21,520	481	182	24	5	10	4	74

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
methyl parathion, other related	1,195	1,334	1,131	<1	5	<1	N/A	N/A	<1	<1
naphthalene	<1	N/A	<1	N/A	N/A	N/A	<1	<1	<1	N/A
para-dichlorobenzene	<1	18	<1	N/A	N/A	N/A	<1	<1	1	N/A
parathion	196	25	<1	1	836	41	3	3	49	11
pcnb	11,867	16,750	26,131	23,431	20,626	53,374	76,601	83,944	69,718	45,784
pcp, other related	3	32	39	2	3	<1	<1	3	2	1
pcp, sodium salt	<1	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A
pentachlorophenol	18	224	274	11	25	1	4	27	20	9
phenol	N/A	N/A	5	3	1	41	3	<1	2	<1
phenol, ferrous salt	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	<1
phosphine	125,469	51,278	20,855	11,399	28,397	19,247	21,700	19,561	48,814	83,255
phosphorus	N/A	4	3	N/A	N/A	N/A	N/A	N/A	N/A	<1
potassium n-methyldithiocarbamate	5,674,072	8,320,255	9,484,467	7,798,703	10,254,800	9,343,192	8,940,720	8,527,736	6,629,298	9,000,088
potassium permanganate	N/A	N/A	N/A	N/A	N/A	113	N/A	N/A	N/A	12
propoxur	808	359	373	251	100	49	43	29	15	5
propylene oxide	449,037	389,070	405,059	400,719	396,191	368,260	255,702	213,681	229,979	271,228
s,s,s-tributyl phosphorotrithioate	30,328	21,820	19,077	11,683	6,472	6,882	8,151	8,911	8,104	6,546
sodium cyanide	1,073	2,588	2,593	2,611	3,108	2,869	3,057	2,986	2,618	2,698
sodium dichromate	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A
sodium tetrathiocarbonate	168,761	49,713	<1	120	N/A	N/A	N/A	N/A	N/A	N/A
sulfuryl fluoride	2,359,006	2,663,898	3,061,136	2,801,523	3,042,482	3,301,117	3,146,765	3,013,619	3,012,363	2,817,782
trifluralin	503,687	506,813	510,424	513,766	471,559	387,921	346,848	352,469	323,617	300,595
xylene	282	372	1,181	1,712	668	556	167	160	782	629
zinc phosphide	2,533	2,249	2,287	3,598	4,001	3,722	4,202	4,334	2,278	3,700
Total	47,136,974	50,415,939	48,305,007	46,095,125	49,118,635	46,853,513	43,471,422	41,415,243	38,914,043	41,561,697