

Use Trends of Pesticides on DPR's Toxic Air Contaminants List: Cumulative Acres Treated

[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 cumulative acres treated with chemicals 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 primarily agricultural applications (Most nonagricultural pesticide use reports are not required to report acreage. A zero indicates some nonagricultural use occurred, but acreage was not reported. The word "none" or "N/A" indicates no use at all that year). The grand total for acres treated may be less than the sum of acres treated for all chemicals because some products contain more than one active ingredient.

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1,3-dichloropropene	69,441	71,852	69,656	78,332	75,739	70,641	65,782	62,136	63,497	61,509
2,4-d	7,749	10,773	11,041	13,243	12,019	8,704	10,917	9,725	13,206	13,914
2,4-d, 2-ethylhexyl ester	7,703	11,634	8,543	11,339	15,697	9,098	9,761	10,021	8,656	9,106
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	36	26	0	<0.01	2	59	28	0	<0.01	<0.01
2,4-d, butoxyethanol ester	1,054	990	1,775	813	1,000	1,438	1,508	1,346	1,889	1,585
2,4-d, butyl ester	14	<0.01	N/A	33	N/A	38	N/A	<0.01	N/A	N/A
2,4-d, diethanolamine salt	7,033	8,859	7,547	6,581	8,176	7,087	7,387	7,319	7,843	7,498
2,4-d, dimethylamine salt	378,312	351,901	311,534	329,376	331,887	264,632	291,657	275,087	299,712	268,137
2,4-d, dodecylamine salt	N/A	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A
2,4-d, isoocetyl ester	414	885	30	97	318	306	475	284	143	124
2,4-d, isopropyl ester	161,042	149,908	136,530	147,250	155,601	149,369	161,569	163,556	158,086	148,247
2,4-d, propyl ester	N/A	128	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	N/A	<0.01	N/A	N/A	N/A	N/A	N/A

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2,4-d, triethylamine salt	3	<0.01	10	45	<0.01	<0.01	<0.01	<0.01	3	<0.01
2,4-d, triisopropanolamine salt	308	524	936	861	209	45	125	<0.01	<0.01	<0.01
2,4-d, triisopropylamine salt	37	653	585	238	<0.01	75	80	30	<0.01	N/A
2,4-dichlorophenoxyacetic acid, choline salt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,768	44,315
acrolein	56	68	306	432	79	34	47	14	15	<0.01
aluminum phosphide	164,083	148,962	150,088	159,056	82,175	70,387	73,229	64,406	53,241	44,340
arsenic pentoxide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A	N/A
arsenic trioxide	<0.01	N/A	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A
captan	209,406	187,988	211,312	212,100	246,074	220,606	219,034	202,843	211,608	190,677
captan, other related	205,402	144,375	119,113	98,445	105,766	100,389	90,105	86,278	110,274	87,720
carbaryl	97,229	96,667	108,805	136,319	116,667	106,736	99,823	98,844	108,678	108,332
chlorine	24,097	<0.01	38,381	6,258	2,275	<0.01	323	0	767	<0.01
chloropicrin	63,433	57,655	54,872	53,765	49,156	48,256	42,126	46,383	47,302	45,991
chlorpyrifos	1,056,329	1,297,547	1,108,167	829,304	641,560	690,841	432,121	6,999	7,179	2,771
chromic acid	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A	N/A
dazomet	594	768	152	368	18	89	35	8	34	74
ddvp	6,530	5,593	3,307	6,282	3,317	787	12	829	735	868
endosulfan	11,134	1,856	8,331	6,561	638	106	13	19	254	155
ethylene oxide	0	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A
formaldehyde	4	52	2	30	<0.01	<0.01	<0.01	<0.01	30	<0.01
hydrogen chloride	5	1	155	100	<0.01	11	3	<0.01	7	144
lindane	N/A	<0.01	N/A	28	N/A	N/A	N/A	<0.01	<0.01	1
magnesium phosphide	29	19	14	131	9	20	3	7	0	0
mancozeb	679,086	675,657	711,031	740,602	830,281	858,640	720,036	855,328	810,841	555,543
maneb	4,559	1,524	1,006	425	987	1,286	75	1,858	924	376
meta-cresol	857	614	6	128	690	1,218	253	87	121	309
metam-sodium	59,078	28,145	24,422	24,254	19,437	17,423	20,139	22,626	21,752	17,697
methanol	N/A	N/A	N/A	N/A	23	N/A	N/A	N/A	N/A	N/A

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
methidathion	31,741	9,046	3,564	453	198	27	138	6	<0.01	13
methoxychlor	N/A	<0.01	N/A	<0.01	8	3	N/A	4	N/A	<0.01
methoxychlor, other related	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A	N/A
methyl bromide	30,147	26,431	16,578	12,753	11,034	6,051	5,602	5,605	5,932	5,785
methyl iodide	37	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A
methyl isothiocyanate	<0.01	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	<0.01	<0.01
methyl parathion	15,551	12,486	<0.01	298	60	<0.01	27	4	75	177
methyl parathion, other related	15,337	12,440	<0.01	36	18	N/A	N/A	<0.01	4	N/A
naphthalene	N/A	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	0
para-dichlorobenzene	<0.01	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	8
parathion	15	<0.01	1	207	82	60	<0.01	304	80	<0.01
pcnb	331	605	1,365	811	2,084	3,561	3,347	2,958	2,504	1,165
pcp, other related	15	170	3	5	97	296	413	243	111	53
pcp, sodium salt	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	<0.01
pentachlorophenol	15	170	3	5	97	296	413	243	111	53
phenol	N/A	114	315	170	557	65	35	53	36	N/A
phenol, ferrous salt	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	<0.01	<0.01
phosphine	687	110	2	25	3	93	112	59	1	48
phosphorus	74	109	N/A	N/A	N/A	N/A	N/A	N/A	<0.01	N/A
potassium n-methyldithiocarbamate	50,361	46,861	39,708	48,516	49,022	47,542	45,459	32,751	45,567	44,736
potassium permanganate	N/A	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	6	N/A
propoxur	<0.01	4	179	39	19	<0.01	25	<0.01	<0.01	<0.01
propylene oxide	288	9	<0.01	<0.01	<0.01	14	<0.01	<0.01	<0.01	<0.01
s,s,s-tributyl phosphorotrithioate	21,894	22,774	15,139	7,582	7,725	10,624	11,007	6,091	5,106	5,449
sodium cyanide	<0.01	<0.01	<0.01	18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
sodium dichromate	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A
sodium tetrathiocarbonate	1,672	0	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
sulfuryl fluoride	532	63	585	153	<0.01	30	1	42	36	42

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
trifluralin	468,619	479,181	531,635	480,763	387,998	350,396	339,563	281,552	276,652	261,165
xylene	1,010	2,157	1,778	1,225	671	225	270	1,616	1,320	561
zinc phosphide	21,686	22,425	44,037	51,789	45,360	57,274	34,791	24,030	34,359	21,230
Total	3,595,006	3,678,750	3,578,731	3,331,350	3,060,587	2,970,405	2,567,230	2,153,765	2,176,071	1,829,756