

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	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,3-dichloropropene	71,852	69,656	78,332	75,739	70,641	65,782	62,136	63,497	61,509	57,076
2,4-d	10,773	11,041	13,243	12,019	8,704	10,917	9,725	13,206	13,914	11,783
2,4-d, 2-ethylhexyl ester	11,634	8,543	11,339	15,697	9,098	9,761	10,021	8,656	9,156	5,756
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	26	0	<0.01	2	59	28	0	<0.01	<0.01	N/A
2,4-d, butoxyethanol ester	990	1,775	813	1,000	1,438	1,508	1,346	1,889	1,585	1,397
2,4-d, butyl ester	<0.01	N/A	33	N/A	38	N/A	<0.01	N/A	N/A	N/A
2,4-d, diethanolamine salt	8,859	7,547	6,581	8,176	7,087	7,387	7,319	7,843	7,568	6,033
2,4-d, dimethylamine salt	351,901	311,534	329,376	331,887	264,632	291,657	275,087	299,969	268,776	281,612
2,4-d, dodecylamine salt	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
2,4-d, isooctyl ester	885	30	97	318	306	475	284	143	124	134

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
2,4-d, isopropyl ester	149,908	136,530	147,250	155,601	149,369	161,569	163,556	158,086	148,549	153,552
2,4-d, propyl ester	128	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	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
2,4-d, triethylamine salt	<0.01	10	45	<0.01	<0.01	<0.01	<0.01	3	<0.01	13
2,4-d, triisopropanolamine salt	524	936	861	209	45	125	<0.01	<0.01	<0.01	1
2,4-d, triisopropylamine salt	653	585	238	<0.01	75	80	30	<0.01	N/A	<0.01
2,4-dichlorophenoxyacetic acid, choline salt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,768	44,653	70,239
Acrolein	68	306	432	79	34	47	14	15	<0.01	<0.01
Aluminum phosphide	148,962	150,088	159,056	82,175	70,387	73,229	64,406	53,241	44,990	48,414
Arsenic pentoxide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	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	187,988	211,312	212,100	246,074	220,606	219,034	202,843	210,302	190,894	186,861
Captan, other related	144,375	119,113	98,445	105,766	100,389	90,105	86,278	108,968	87,818	82,625
Carbaryl	96,667	108,805	136,319	116,667	106,736	99,823	98,844	108,678	108,335	106,089
Chlorine	<0.01	38,381	6,258	2,275	<0.01	323	0	767	<0.01	<0.01
Chloropicrin	57,655	54,872	53,765	49,156	48,256	42,126	46,383	47,302	45,991	49,077
Chlorpyrifos	1,297,547	1,108,167	829,304	641,560	690,841	432,121	6,999	7,489	2,882	374
Chromic acid	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A
Dazomet	768	152	368	18	89	35	8	34	74	10
Ddvp	5,593	3,307	6,282	3,317	787	12	829	735	868	2,192
Endosulfan	1,856	8,331	6,561	638	106	13	19	254	155	<0.01
Ethylene oxide	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	52	2	30	<0.01	<0.01	<0.01	<0.01	30	<0.01	<0.01
Hydrogen chloride	1	155	100	<0.01	11	3	<0.01	7	144	19

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Lindane	<0.01	N/A	28	N/A	N/A	N/A	<0.01	<0.01	1	1
Magnesium phosphide	19	14	131	9	20	3	7	0	0	3
Mancozeb	675,657	711,031	740,602	830,281	858,640	720,035	855,328	810,692	555,426	555,198
Maneb	1,524	1,006	425	987	1,286	75	1,858	924	376	95
Meta-cresol	614	6	128	690	1,218	253	87	121	309	63
Metam-sodium	28,145	24,422	24,254	19,437	17,423	20,139	22,626	21,752	17,697	18,209
Methanol	N/A	N/A	N/A	23	N/A	N/A	N/A	N/A	N/A	N/A
Methidathion	9,046	3,564	453	198	27	138	6	<0.01	13	N/A
Methoxychlor	<0.01	N/A	<0.01	8	3	N/A	4	N/A	<0.01	<0.01
Methoxychlor, other related	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A	N/A	<0.01
Methyl bromide	26,431	16,578	12,753	11,034	6,051	5,602	5,605	5,932	5,786	5,825
Methyl iodide	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A	N/A
Methyl isothiocyanate	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	<0.01	<0.01	N/A
Methyl parathion	12,486	<0.01	298	60	<0.01	27	4	75	177	7
Methyl parathion, other related	12,440	<0.01	36	18	N/A	N/A	<0.01	4	N/A	N/A
Naphthalene	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	0	N/A
Para-dichlorobenzene	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	8	<0.01
Parathion	<0.01	1	207	82	60	<0.01	304	80	<0.01	50
Pcnb	605	1,365	811	2,084	3,561	3,347	2,958	2,504	1,165	564
Pcp, other related	170	3	5	97	296	413	243	111	53	<0.01
Pcp, sodium salt	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	<0.01	N/A
Pentachlorophenol	170	3	5	97	296	413	243	111	53	2
Phenol	114	315	170	557	65	35	53	36	N/A	N/A
Phenol, ferrous salt	N/A	2	N/A	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A
Phosphine	110	2	25	3	93	112	59	1	48	90
Phosphorus	109	N/A	N/A	N/A	N/A	N/A	N/A	<0.01	N/A	<0.01
Potassium n-methyldithiocarbamate	46,861	39,708	48,516	49,022	47,542	45,459	32,751	45,567	44,736	40,018

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Potassium permanganate	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	6	N/A	<0.01
Propoxur	4	179	39	19	<0.01	25	<0.01	<0.01	<0.01	<0.01
Propylene oxide	9	<0.01	<0.01	<0.01	14	<0.01	<0.01	<0.01	<0.01	<0.01
S,s,s-tributyl phosphorotrithioate	22,774	15,139	7,582	7,725	10,624	11,007	6,091	5,106	5,449	3,505
Sodium cyanide	<0.01	<0.01	18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium dichromate	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium tetrathiocarbonate	0	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfuryl fluoride	63	585	153	<0.01	30	1	42	36	42	2,569
Trifluralin	479,181	531,635	480,763	387,998	350,396	339,563	281,568	276,733	261,909	281,107
Xylene	2,157	1,778	1,225	671	225	270	1,616	1,320	561	260
Zinc phosphide	22,425	44,037	51,789	45,360	57,274	34,791	24,030	34,179	21,230	42,757
Total	3,678,750	3,578,731	3,331,350	3,060,587	2,970,405	2,567,229	2,153,781	2,175,084	1,832,695	1,900,610