

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

Text files 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. 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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1,3-dichloropropene	59,065	69,441	71,852	69,656	78,332	75,739	70,641	65,782	62,136	63,497
2,4-d	7,565	7,749	10,773	11,041	13,243	12,019	8,704	10,917	9,725	13,206
2,4-d, 2-ethylhexyl ester	10,396	7,703	11,634	8,541	11,339	15,697	9,098	9,761	10,021	8,656
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	1	36	26	<1	<1	2	59	28	<1	<1
2,4-d, butoxyethanol ester	1,206	1,054	990	1,775	813	1,000	1,438	1,508	1,346	1,889
2,4-d, butyl ester	<1	14	<1	N/A	33	N/A	38	N/A	<1	N/A
2,4-d, diethanolamine salt	11,075	7,033	8,859	7,547	6,581	8,176	7,087	7,387	7,319	7,838
2,4-d, dimethylamine salt	446,114	378,312	351,901	311,534	329,376	331,889	264,633	291,657	275,083	299,423
2,4-d, dodecylamine salt	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A
2,4-d, isooctyl ester	2,903	414	885	30	97	318	306	475	284	143
2,4-d, isopropyl ester	145,982	161,042	149,908	136,530	147,250	155,601	149,369	161,569	163,491	157,385
2,4-d, propyl ester	N/A	N/A	128	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	<1	N/A	N/A	N/A	N/A
2,4-d, triethylamine salt	117	3	<1	10	45	<1	<1	<1	<1	3
2,4-d, triisopropanolamine salt	623	308	524	936	861	209	45	125	<1	<1

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
2,4-d, triisopropylamine salt	25	37	653	585	238	<1	75	80	30	<1
2,4-dichlorophenoxyacetic acid, choline salt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,768
acrolein	45	56	68	306	432	79	34	47	14	15
aluminum phosphide	133,103	164,083	148,962	150,088	159,056	82,175	70,387	73,229	64,445	53,241
arsenic acid	<1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
arsenic pentoxide	<1	<1	<1	<1	<1	<1	<1	<1	N/A	N/A
arsenic trioxide	<1	<1	N/A	<1	<1	<1	N/A	N/A	N/A	N/A
captan	210,103	209,406	187,988	211,312	212,100	246,074	220,606	219,034	202,223	235,283
captan, other related	210,103	205,402	144,375	119,113	98,445	105,766	100,389	90,105	85,774	132,009
carbaryl	68,469	97,229	96,667	108,805	136,319	116,667	106,736	99,823	98,844	108,589
chlorine	24,253	24,097	<1	38,381	6,258	2,275	<1	323	<1	767
chloropicrin	65,975	63,433	57,655	54,872	53,765	49,156	48,256	42,126	46,383	47,302
chlorpyrifos	1,189,181	1,056,329	1,297,547	1,108,167	829,304	641,561	690,841	432,121	6,999	7,210
chromic acid	<1	<1	<1	<1	<1	<1	<1	<1	N/A	N/A
dazomet	243	594	768	152	368	18	89	35	8	34
ddvp	5,184	6,530	5,593	3,307	6,282	3,317	787	12	829	735
endosulfan	19,812	11,134	1,856	8,331	6,561	644	106	13	19	254
ethylene oxide	N/A	<1	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A
formaldehyde	6	4	52	2	30	<1	<1	<1	<1	30
hydrogen chloride	<1	5	1	155	100	<1	11	3	<1	7
lindane	1	N/A	<1	N/A	28	N/A	N/A	N/A	<1	N/A
magnesium phosphide	80	29	19	14	131	9	20	3	7	<1
mancozeb	636,488	679,086	675,657	711,031	740,602	830,311	858,638	720,038	855,347	810,364
maneb	41,106	4,559	1,524	1,006	425	987	1,286	75	1,858	918
meta-cresol	145	857	614	6	128	690	1,218	253	87	121
metam-sodium	71,078	59,078	28,145	24,422	24,254	19,437	17,423	20,139	22,626	21,707
methanol	N/A	N/A	N/A	N/A	N/A	23	N/A	N/A	N/A	N/A
methidathion	34,918	31,741	9,046	3,564	453	198	27	138	6	<1
methoxychlor	58	N/A	<1	N/A	<1	8	3	N/A	4	N/A
methoxychlor, other related	N/A	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A
methyl bromide	47,050	30,147	26,431	16,578	12,753	11,034	6,051	5,602	5,605	5,932
methyl iodide	279	37	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A
methyl isothiocyanate	<1	<1	N/A	<1	<1	<1	<1	<1	N/A	<1
methyl parathion	13,343	15,551	12,486	<1	298	60	<1	27	4	75

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>methyl parathion, other related</b>	13,327	15,337	12,440	<1	36	18	N/A	N/A	<1	4
<b>naphthalene</b>	<1	N/A	<1	N/A	N/A	N/A	<1	<1	<1	N/A
<b>para-dichlorobenzene</b>	<1	<1	<1	N/A	N/A	N/A	<1	<1	<1	N/A
<b>parathion</b>	68	15	<1	1	207	82	60	<1	304	80
<b>pcnb</b>	879	331	605	1,365	811	2,084	3,561	3,347	2,958	2,504
<b>pcp, other related</b>	1	15	170	3	5	97	296	413	243	111
<b>pcp, sodium salt</b>	47	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A
<b>pentachlorophenol</b>	1	15	170	3	5	97	296	413	243	111
<b>phenol</b>	N/A	N/A	114	315	170	557	65	35	53	36
<b>phenol, ferrous salt</b>	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	<1
<b>phosphine</b>	824	687	110	2	25	3	93	112	59	1
<b>phosphorus</b>	N/A	74	109	N/A	N/A	N/A	N/A	N/A	N/A	<1
<b>potassium n-methyldithiocarbamate</b>	44,080	50,361	46,861	39,708	48,516	49,022	47,542	45,459	32,751	45,567
<b>potassium permanganate</b>	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A	6
<b>propoxur</b>	3	<1	4	179	39	19	<1	25	<1	<1
<b>propylene oxide</b>	<1	288	9	<1	<1	<1	14	<1	<1	<1
<b>s,s,s-tributyl phosphorotrithioate</b>	27,139	21,894	22,774	15,139	7,582	7,725	10,624	11,007	6,091	5,106
<b>sodium cyanide</b>	<1	<1	<1	<1	18	<1	<1	<1	<1	<1
<b>sodium dichromate</b>	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A
<b>sodium tetrathiocarbonate</b>	4,826	1,672	<1	4	N/A	N/A	N/A	N/A	N/A	N/A
<b>sulfuryl fluoride</b>	537	532	63	585	153	<1	30	1	42	36
<b>trifluralin</b>	471,911	468,619	479,181	531,635	480,763	387,998	350,396	339,569	281,552	276,590
<b>xylene</b>	633	1,010	2,157	1,778	1,225	671	225	270	1,616	1,319
<b>zinc phosphide</b>	21,417	21,686	22,425	44,037	51,789	45,360	57,274	34,791	24,030	33,899
<b>Total</b>	3,749,037	3,595,006	3,678,750	3,578,729	3,331,350	3,060,626	2,970,404	2,567,239	2,153,134	2,197,646