

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. A zero indicates some nonagricultural use occurred, but acreage was not reported. The word "none" 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	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1,3-dichloropropene	54,209	59,065	69,441	71,852	69,656	78,332	75,735	70,641	65,782	62,143
2,4-d	22,913	7,565	7,749	10,773	11,041	13,243	12,019	8,704	10,917	9,725
2,4-d, 2-ethylhexyl ester	11,797	10,396	7,703	11,634	8,541	11,339	15,697	9,098	9,761	9,960
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	172	1	36	26	0	0	2	59	28	0
2,4-d, butoxyethanol ester	2,542	1,206	1,054	990	1,775	813	1,000	1,438	1,508	1,346
2,4-d, butyl ester	0	0	14	0	None	33	None	38	None	0
2,4-d, diethanolamine salt	27,009	11,075	7,033	8,859	7,547	6,581	8,176	7,087	7,387	7,319
2,4-d, dimethylamine salt	520,477	446,114	378,312	351,901	311,534	329,376	331,889	264,633	291,008	274,651
2,4-d, dodecylamine salt	None	None	None	None	None	None	0	None	None	None
2,4-d, isoctyl ester	2,424	2,903	414	885	30	97	318	306	475	300
2,4-d, isopropyl ester	139,387	145,982	161,042	149,908	136,530	147,250	155,601	149,369	161,511	163,405
2,4-d, propyl ester	895	None	None	128	None	None	None	None	None	None
2,4-d, tetradecylamine salt	None	None	None	None	None	None	0	None	None	None
2,4-d, triethylamine salt	165	117	3	0	10	45	0	0	0	0

Chemical	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
2,4-d, triisopropanolamine salt	720	623	308	524	936	861	209	45	125	0
2,4-d, triisopropylamine salt	0	25	37	653	585	238	0	75	80	30
acrolein	12	45	56	68	306	432	79	34	47	14
aluminum phosphide	100,859	133,103	164,083	148,962	150,088	159,056	82,175	70,387	73,214	62,760
arsenic acid	None	0	None	None	None	None	None	None	None	None
arsenic pentoxide	0	0	0	0	0	0	0	0	0	None
arsenic trioxide	0	0	0	None	0	0	0	None	None	None
captan	245,464	210,103	209,406	187,988	211,312	212,100	246,074	220,586	219,034	200,571
captan, other related	245,464	210,103	205,402	144,375	119,113	98,445	105,766	100,369	90,112	85,156
carbaryl	81,683	68,469	97,229	96,667	108,805	136,319	116,667	106,736	99,449	97,953
chlorine	88,144	24,253	24,097	0	38,381	6,258	2,275	0	323	0
chloropicrin	51,805	65,975	63,433	57,655	54,872	53,765	49,149	48,256	42,126	46,357
chlorypyrifos	1,099,064	1,189,181	1,056,329	1,297,547	1,108,167	829,304	641,561	690,841	431,961	6,957
chromic acid	0	0	0	0	0	0	0	0	0	None
dazomet	274	243	594	768	152	368	18	89	35	8
ddvp	1,880	5,184	6,530	5,593	3,307	6,282	3,317	787	12	829
endosulfan	48,023	19,812	11,134	1,856	8,331	6,561	644	106	13	19
ethylene oxide	None	None	0	None	0	None	None	None	None	None
formaldehyde	1	6	4	52	2	30	0	0	0	0
hydrogen chloride	116	0	5	1	155	100	0	11	3	0
lindane	31	1	None	0	None	28	None	None	None	0
magnesium phosphide	145	80	29	19	14	131	9	20	3	7
mancozeb	434,040	636,488	679,086	675,954	711,031	740,602	830,305	858,641	719,694	854,058
maneb	290,266	41,106	4,559	1,524	1,006	425	987	1,286	75	1,824
meta-cresol	79	145	857	614	6	128	690	1,218	253	87
metam-sodium	72,748	71,078	59,078	28,145	24,422	24,254	19,437	17,423	20,139	21,765
methanol	None	None	None	None	None	None	23	None	None	None
methidathion	49,968	34,918	31,741	9,046	3,564	453	198	27	138	6
methoxychlor	90	58	None	0	None	0	8	3	None	4
methoxychlor, other related	None	None	None	None	None	None	8	None	None	None
methyl bromide	32,293	47,050	30,147	26,431	16,578	12,753	11,031	6,051	5,602	5,605
methyl iodide	None	279	37	None	None	None	None	None	None	1
methyl isothiocyanate	0	0	0	None	0	0	0	0	0	None
methyl parathion	13,046	13,343	15,551	12,486	0	298	60	0	27	5
methyl parathion, other related	13,029	13,327	15,337	12,440	0	36	18	None	None	1
naphthalene	3	0	None	0	None	None	None	0	0	0
para-dichlorobenzene	0	0	0	0	None	None	None	0	0	0

Chemical	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
parathion	56	68	15	0	1	207	82	60	0	299
pcnb	4,429	879	331	605	1,365	811	2,084	3,561	3,347	2,958
pcp, other related	4	1	15	170	3	5	97	296	413	259
pcp, sodium salt	None	47	None	None	1	None	None	None	None	None
pentachlorophenol	4	1	15	170	3	5	97	296	413	259
phenol	None	None	None	114	315	170	557	65	35	53
phenol, ferrous salt	None	None	None	None	2	None	None	None	None	None
phosphine	643	824	687	110	2	25	3	93	112	59
phosphorus	0	None	74	109	None	None	None	None	None	None
potassium n-methyldithiocarbamate	41,444	44,080	50,361	46,861	39,708	48,504	49,022	47,542	45,459	32,751
potassium permanganate	None	None	None	None	None	None	0	None	None	None
propoxur	0	3	0	4	179	39	19	0	25	0
propylene oxide	0	0	288	9	0	0	0	14	0	0
s,s,s-tributyl phosphorotrithioate	15,785	27,139	21,894	22,774	15,139	7,582	7,725	10,624	11,007	6,091
sodium cyanide	0	0	0	0	0	18	0	0	0	0
sodium dichromate	None	None	None	None	0	None	None	None	None	None
sodium tetrathiocarbonate	7,301	4,826	1,672	0	4	None	None	None	None	None
sulfuryl fluoride	130	537	532	63	585	153	0	30	1	42
trifluralin	438,859	471,911	468,619	479,181	531,635	480,763	387,998	350,431	339,569	279,393
xylene	589	633	1,010	2,157	1,778	1,225	671	225	270	1,615
zinc phosphide	12,751	21,417	21,686	22,425	44,037	51,789	45,360	57,274	34,791	23,599
Total	3,840,117	3,749,037	3,595,006	3,679,047	3,578,729	3,331,339	3,060,614	2,970,422	2,565,640	2,143,506