

Use Trends of Pesticides Listed by U.S. EPA as A or B Carcinogens or on the State's Proposition 65 List of Chemicals that are "Known to Cause Cancer": 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 listed by U.S. EPA as A or B carcinogens or on the State's Proposition 65 list of chemicals that are 'known to cause cancer.' 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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	N/A	18	N/A	9	N/A	N/A	N/A	N/A	N/A	N/A
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
4-vinylcyclohexenediepoide	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01
acifluorfen, sodium salt	N/A	<0.01	<0.01	4	N/A	N/A	N/A	<0.01	N/A	N/A
alachlor	3,385	3,284	2,670	2,033	1,497	70	3	3	3	N/A
alpha-chlorohydrin	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
amitrole	<0.01	<0.01	N/A	N/A	N/A	70	N/A	N/A	<0.01	N/A
arsenic acid	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
arsenic pentoxide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A

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arsenic trioxide	<0.01	<0.01	N/A	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A
cacodylic acid	<0.01	<0.01	N/A	<0.01	N/A	<0.01	6	88	N/A	<0.01
captan	210,103	209,406	187,988	211,312	212,100	246,074	220,606	219,034	202,223	235,283
carbaryl	68,469	97,229	96,667	108,805	136,319	116,667	106,736	99,823	98,844	108,589
carbon tetrachloride	<0.01	<0.01	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
chlordane	N/A	<0.01	N/A	N/A	<0.01	N/A	<0.01	<0.01	N/A	<0.01
chlordecone	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
chlorothalonil	590,737	573,875	530,738	566,227	541,351	542,115	584,739	549,211	541,754	524,266
chromic acid	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A
creosote	N/A	N/A	<0.01	N/A	<0.01	N/A	N/A	<0.01	<0.01	15
daminozide	2,430	2,983	2,549	2,443	2,412	2,083	2,258	2,241	1,886	1,717
ddvp	5,184	6,530	5,593	3,307	6,282	3,317	787	12	829	735
ddvp, other related	1,945	5,442	5,537	3,301	5,149	3,287	703	10	615	470
diclofop-methyl	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
diethanolamine	N/A	N/A	N/A	N/A	4,872	16,766	17,244	20,205	18,357	19,290
dioctyl phthalate	4,741	5,311	3,188	1,885	626	76	N/A	46	176	86
dipropyl isocinchomerate	<0.01	<0.01	<0.01	<0.01	1	<0.01	<0.01	<0.01	<0.01	101
diuron	692,252	555,463	440,691	342,061	279,721	330,900	408,775	352,532	343,921	253,055
ethoprop	1,892	541	676	844	591	575	582	1,712	1,682	2,299
ethyl acrylate	88	N/A	24	222	<0.01	<0.01	N/A	N/A	N/A	N/A
ethylene dibromide	N/A	<0.01	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	<0.01
ethylene oxide	N/A	<0.01	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
fenoxycarb	107	110	37	58	15	33	76	20	6	11
folpet	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	3	N/A	2	<0.01
formaldehyde	6	4	52	2	30	<0.01	<0.01	<0.01	<0.01	30
glyphosate	1,808	508	451	<0.01	24	2	23	<0.01	<0.01	<0.01
glyphosate, diammonium salt	8,559	3,287	2,938	3,381	1,173	665	308	22	N/A	2,087
glyphosate, dimethylamine salt	6,291	9,412	9,707	25,463	34,323	36,507	35,727	38,558	43,798	64,526

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
glyphosate, isopropylamine salt	2,597,116	2,380,803	2,427,171	2,322,698	2,184,855	2,166,530	2,278,332	2,386,391	2,410,247	2,248,551
glyphosate, monoammonium salt	12,479	545	19,922	11,919	6,446	5,786	359	883	241	426
glyphosate, potassium salt	2,901,917	3,152,672	3,132,079	3,110,231	3,426,747	3,397,818	3,282,399	3,226,931	3,276,859	3,260,162
glyphosate-trimesium	431	172	43	450	N/A	N/A	90	30	4	N/A
heptachlor	N/A	<0.01	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A	N/A
imazalil	2	<0.01	<0.01	32	1	50	2	<0.01	<0.01	137
iprodione	639,260	530,487	479,735	459,139	407,066	519,806	479,145	141,350	137,137	118,089
kresoxim-methyl	281,390	192,781	199,709	210,369	172,536	177,876	177,279	151,272	131,142	127,033
lindane	1	N/A	<0.01	N/A	28	N/A	N/A	N/A	<0.01	<0.01
malathion	281,044	271,663	289,865	285,266	266,825	218,571	204,397	216,999	200,840	217,773
mancozeb	636,488	679,086	675,657	711,031	740,602	830,281	858,638	720,038	855,364	810,416
maneb	41,106	4,559	1,524	1,006	425	987	1,286	75	1,858	918
metam-sodium	71,078	59,078	28,145	24,422	24,254	19,437	17,423	20,139	22,626	21,752
methyl eugenol	<0.01	N/A	<0.01	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01
methyl iodide	279	37	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A
methylene chloride	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
metiram	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
naphthalene	<0.01	N/A	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A
nitrapyrin	N/A	<0.01	1	N/A	<0.01	<0.01	N/A	34	478	N/A
ortho-phenylphenol	117	85	130	104	329	264	71	175	124	47
ortho-phenylphenol, sodium salt	<0.01	<0.01	<0.01	<0.01	<0.01	2	N/A	N/A	N/A	N/A
oryzalin	294,584	263,734	203,900	203,504	162,536	90,433	106,348	92,524	74,061	35,808
oxadiazon	927	1,148	1,511	1,239	1,777	1,067	1,151	1,074	653	418
oxythioquinox	1	1	<0.01	<0.01	N/A	7	N/A	2	N/A	N/A
para-dichlorobenzene	<0.01	<0.01	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A
parathion	68	15	<0.01	1	207	82	60	<0.01	304	80
pentachlorophenol	1	15	170	3	5	97	296	413	243	111
pirimicarb	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Chemical	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
potassium dichromate	N/A	N/A	<0.01	N/A	<0.01	N/A	N/A	N/A	N/A	N/A
potassium n-methyldithiocarbamate	44,080	50,361	46,861	39,708	48,516	49,022	47,542	45,459	32,751	45,567
propargite	142,430	114,213	121,952	104,758	87,943	87,430	106,446	97,986	101,849	93,650
propoxur	3	<0.01	4	179	39	19	<0.01	25	<0.01	<0.01
propylene oxide	<0.01	288	9	<0.01	<0.01	<0.01	14	<0.01	<0.01	<0.01
propyzamide	61,014	57,625	51,921	51,307	49,022	110,619	122,516	122,209	119,543	120,245
pymetrozine	29,669	33,671	37,228	42,540	30,716	42,744	36,824	52,283	62,986	50,094
resmethrin	6	4	436	18	7	3	<0.01	21	<0.01	203
s,s,s-tributyl phosphorotrithioate	27,139	21,894	22,774	15,139	7,582	7,725	10,624	11,007	6,091	5,106
sedaxane	N/A	N/A	N/A	N/A	N/A	<0.01	4	N/A	N/A	N/A
sodium dichromate	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
spirodiclofen	72,318	83,128	135,077	124,024	97,629	107,825	121,796	121,493	110,033	129,999
terrazole	443	579	414	660	255	175	283	239	239	133
tetrachloroethylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
tetrachlorvinphos	5	8	4	3	1,044	5	3	<0.01	<0.01	<0.01
thiodicarb	656	206	247	N/A	N/A	N/A	<0.01	N/A	N/A	N/A
toxaphene	1	<0.01	<0.01	<0.01	<0.01	<0.01	2	<0.01	<0.01	<0.01
trichloro ethylene	<0.01	N/A	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A
vinclozolin	100	33	11	5	10	6	18	13	3	1
Total	9,786,536	9,443,579	9,224,111	9,056,479	9,021,710	9,198,784	9,231,365	8,626,130	8,714,117	8,477,319