

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). 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. Values are rounded. N/A means there was not any reported acres treated during that year.

Chemical	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	N/A	N/A	N/A	18	N/A	9	N/A	N/A	N/A	N/A
1,3-dichloropropene	38,849	54,209	59,065	69,422	71,794	69,656	78,332	75,735	70,641	65,635
2,4-d	22,422	22,913	7,565	7,749	10,773	11,041	13,243	12,019	8,704	10,917
4-vinylcyclohexenediepoide	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1
acifluorfen, sodium salt	N/A	<1	N/A	<1	<1	4	N/A	N/A	N/A	<1
alachlor	2,261	3,276	3,385	3,284	2,670	2,033	1,497	70	3	3
alpha-chlorohydrin	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
amitrole	<1	<1	<1	<1	N/A	N/A	N/A	70	N/A	N/A
arsenic acid	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
arsenic pentoxide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
arsenic trioxide	<1	<1	<1	<1	N/A	<1	<1	<1	N/A	N/A
auramine	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
cacodylic acid	<1	<1	<1	<1	N/A	<1	N/A	<1	6	88
captan	173,133	245,464	209,979	209,406	187,988	211,312	212,100	246,074	220,620	218,301

Chemical	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
carbaryl	107,934	81,683	68,394	97,229	96,647	108,805	136,319	116,667	106,737	99,446
carbon tetrachloride	<1	N/A	<1	<1	N/A	<1	<1	<1	<1	N/A
chlordane	8	<1	N/A	<1	N/A	N/A	<1	N/A	<1	<1
chlordecone	N/A	N/A	<1	<1	<1	<1	<1	<1	<1	<1
chlorothalonil	378,600	493,216	588,777	571,892	530,262	566,228	541,345	542,115	584,820	548,568
chromic acid	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
creosote	2	N/A	N/A	N/A	<1	N/A	<1	N/A	N/A	<1
daminozide	2,111	4,357	2,430	2,981	2,546	2,443	2,408	2,083	2,258	2,241
ddvp	2,685	1,880	5,184	6,530	5,593	3,307	6,282	3,317	787	12
ddvp, other related	2,017	410	1,945	5,442	5,537	3,301	5,149	3,287	703	10
diclofop-methyl	30	N/A	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A
diethanolamine	N/A	N/A	N/A	N/A	N/A	N/A	4,872	16,766	17,244	20,205
dioctyl phthalate	4,928	7,921	4,741	5,311	3,188	1,885	626	76	N/A	46
dipropyl isocinchomeronate	<1	19	<1	<1	<1	<1	1	<1	<1	<1
diuron	405,973	520,587	691,396	555,459	440,233	342,061	279,721	330,900	408,775	352,394
ethoprop	4,293	1,348	1,892	541	676	844	591	575	582	1,712
ethyl acrylate	N/A	72	88	N/A	24	222	<1	<1	N/A	N/A
ethylene dibromide	<1	N/A	N/A	<1	N/A	N/A	<1	N/A	N/A	N/A
ethylene oxide	60	N/A	N/A	<1	N/A	<1	N/A	N/A	N/A	N/A
fenoxycarb	353	100	107	110	37	58	15	33	76	20
folpet	N/A	<1	N/A	<1	<1	<1	<1	<1	3	N/A
formaldehyde	5	1	6	4	52	2	30	<1	<1	<1
glyphosate	1,708	1,741	1,808	508	451	<1	24	2	23	<1
glyphosate, diammonium salt	58,768	16,353	8,559	3,287	2,938	3,381	1,173	665	308	22
glyphosate, dimethylamine salt	897	3,847	6,291	9,406	9,707	25,463	34,323	36,507	35,727	37,632
glyphosate, isopropylamine salt	2,733,831	2,872,797	2,594,759	2,379,745	2,425,424	2,322,698	2,184,853	2,166,537	2,278,594	2,378,762
glyphosate, monoammonium salt	11,367	11,443	12,479	545	19,922	11,919	6,446	5,786	359	883
glyphosate, potassium salt	1,633,054	1,961,989	2,899,024	3,151,422	3,130,438	3,110,231	3,426,729	3,397,714	3,280,889	3,218,657
glyphosate-trimesium	2,023	295	431	172	43	450	N/A	N/A	90	30
heptachlor	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A	<1	<1
imazalil	<1	26	2	<1	<1	32	1	50	2	<1
iprodione	434,812	578,691	638,632	529,986	479,106	459,139	407,066	519,831	479,159	141,247
kresoxim-methyl	180,877	236,638	280,738	192,745	199,709	210,369	172,536	177,876	177,275	150,966

Chemical	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
lindane	10	31	1	N/A	<1	N/A	28	N/A	N/A	N/A
malathion	277,706	434,717	281,044	271,627	289,749	285,266	266,825	218,282	204,397	216,638
mancozeb	146,402	433,887	634,712	678,932	675,754	711,031	740,602	830,305	857,513	715,654
maneb	471,837	290,266	40,588	4,559	1,524	1,006	425	987	1,286	75
metam-sodium	75,735	72,748	71,003	58,998	28,105	24,422	24,254	19,437	17,423	20,139
methyl eugenol	N/A	N/A	<1	N/A	<1	N/A	N/A	<1	<1	<1
methyl iodide	N/A	N/A	279	37	N/A	N/A	N/A	N/A	N/A	N/A
methylene chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
metiram	N/A	N/A	<1	<1	<1	<1	<1	<1	<1	<1
naphthalene	N/A	3	<1	N/A	<1	N/A	N/A	N/A	<1	<1
nitrapyrin	88	111	N/A	<1	1	N/A	<1	<1	N/A	34
nitrofen	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ortho-phenylphenol	49	58	117	85	130	104	329	264	71	175
ortho-phenylphenol, sodium salt	<1	<1	<1	<1	<1	<1	<1	2	N/A	N/A
oryzalin	236,566	217,193	294,499	263,649	203,850	203,504	162,536	90,433	106,348	92,190
oxadiazon	1,451	1,712	927	1,148	1,511	1,239	1,777	1,067	1,151	1,072
oxythioquinox	4	4	1	1	<1	<1	N/A	7	N/A	2
para-dichlorobenzene	<1	<1	<1	<1	<1	N/A	N/A	N/A	<1	<1
parathion	195	56	68	15	<1	1	207	82	60	<1
pentachlorophenol	N/A	4	1	15	170	3	5	97	296	413
pirimicarb	<1	<1	<1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
potassium dichromate	N/A	N/A	N/A	N/A	<1	N/A	<1	N/A	N/A	N/A
potassium n-methyldithiocarbamate	38,277	41,444	44,079	50,361	46,861	39,708	48,504	49,022	47,542	45,459
propargite	174,063	137,106	142,430	114,213	121,952	104,758	87,943	87,430	106,305	97,880
propoxur	356	<1	3	<1	4	179	39	19	<1	25
propylene oxide	<1	<1	<1	288	9	<1	<1	<1	14	<1
propyzamide	102,176	69,328	61,014	57,625	51,921	51,307	49,022	110,588	122,543	122,108
pymetrozine	30,516	40,675	29,669	33,655	37,201	42,540	30,716	42,744	36,824	52,233
resmethrin	11	<1	6	4	436	18	7	3	<1	21
s,s,s-tributyl phosphorotrithioate	7,182	15,785	27,139	21,894	22,774	15,139	7,582	7,725	10,624	11,007
sedaxane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<1	4	N/A
sodium dichromate	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A
spirodiclofen	148,338	99,851	72,318	83,110	135,077	124,024	97,629	107,825	121,796	120,400
terrazole	711	5,107	443	579	414	660	255	175	283	239
tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Chemical	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
tetrachlorvinphos	<1	5	5	8	4	3	1,044	5	3	<1
thiodicarb	680	192	656	206	247	N/A	N/A	N/A	<1	N/A
toxaphene	45	12	1	<1	<1	<1	<1	<1	2	<1
trichloro ethylene	N/A	N/A	<1	N/A	<1	N/A	N/A	N/A	<1	<1
vinclozolin	85	86	100	33	11	5	10	6	18	13
Total	7,887,826	8,962,971	9,774,534	9,438,331	9,218,941	9,056,480	9,021,670	9,198,413	9,228,984	8,600,552