

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	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	N/A	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-dichloropropene	71,852	69,656	78,332	75,739	70,641	65,782	62,136	63,497	61,509	57,076
4-vinylcyclohexenediepoide	N/A	N/A	N/A	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01
Acifluorfen, sodium salt	<0.01	4	N/A	N/A	N/A	<0.01	N/A	N/A	<0.01	N/A
Alachlor	2,670	2,033	1,497	70	3	3	3	N/A	3	3
Amitrole	N/A	N/A	N/A	70	N/A	N/A	<0.01	N/A	N/A	N/A
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
Cacodylic acid	N/A	<0.01	N/A	<0.01	6	87	N/A	<0.01	107	10
Captan	187,988	211,312	212,100	246,074	220,606	219,034	202,843	210,302	190,894	186,861
Carbaryl	96,667	108,805	136,319	116,667	106,736	99,823	98,844	108,678	108,335	106,089
Carbon tetrachloride	N/A	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Chlordane	N/A	N/A	<0.01	N/A	<0.01	<0.01	N/A	<0.01	N/A	2
Chlordecone	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	530,738	566,230	541,351	542,115	584,739	549,161	541,743	524,701	407,401	358,175
Chromic acid	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A
Creosote	<0.01	N/A	<0.01	N/A	N/A	<0.01	<0.01	15	11	N/A
Daminozide	2,549	2,443	2,412	2,083	2,258	2,241	1,880	1,717	1,726	9,940
Ddvp	5,593	3,307	6,282	3,317	787	12	829	735	868	2,192
Ddvp, other related	5,537	3,301	5,149	3,287	703	10	615	470	569	1,794
Diethanolamine	N/A	N/A	4,872	16,766	17,244	20,205	18,357	19,290	14,749	3,714
Diocetyl phthalate	3,188	1,885	626	76	N/A	46	176	86	25	220
Dipropyl isocinchomeronate	<0.01	<0.01	1	<0.01	0	<0.01	<0.01	101	0	0
Diuron	440,691	342,061	279,721	330,900	408,775	352,532	344,057	253,192	160,399	188,197
Ethoprop	676	844	591	575	582	1,712	1,682	2,299	2,466	3,428
Ethyl acrylate	24	222	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A
Ethylene dibromide	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A
Ethylene oxide	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenoxycarb	37	58	15	33	76	20	6	11	3	54
Folpet	<0.01	<0.01	<0.01	0	3	N/A	2	<0.01	<0.01	N/A
Formaldehyde	52	2	30	<0.01	<0.01	<0.01	<0.01	30	<0.01	<0.01
Glyphosate	451	0	24	2	23	<0.01	<0.01	<0.01	N/A	307
Glyphosate, diammonium salt	2,938	3,381	1,173	665	308	22	N/A	2,087	25,100	6,750
Glyphosate, dimethylamine salt	9,707	25,463	34,323	36,507	35,727	38,558	43,798	64,541	53,811	70,771
Glyphosate, isopropylamine salt	2,427,171	2,322,698	2,184,855	2,166,530	2,278,332	2,386,388	2,410,277	2,250,551	1,924,296	2,200,148
Glyphosate, monoammonium salt	19,922	11,919	6,446	5,786	359	883	241	426	260	136
Glyphosate, potassium salt	3,132,079	3,110,231	3,426,742	3,397,818	3,282,400	3,226,845	3,277,013	3,262,612	2,797,753	2,236,401
Glyphosate-trimesium	43	450	N/A	N/A	90	30	4	N/A	N/A	40

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Heptachlor	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A	N/A	N/A	N/A
Imazalil	<0.01	32	1	50	2	<0.01	<0.01	137	<0.01	<0.01
Iprodione	479,735	459,139	407,066	519,806	479,145	141,350	137,130	92,653	73,910	31,948
Kresoxim-methyl	199,709	210,369	172,536	177,876	177,279	151,272	131,157	127,073	91,336	87,515
Lindane	<0.01	N/A	28	N/A	N/A	N/A	<0.01	<0.01	1	1
Malathion	289,865	285,266	266,825	218,571	204,397	216,999	200,956	218,917	157,273	173,905
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
Metam-sodium	28,145	24,422	24,254	19,437	17,423	20,139	22,626	21,752	17,697	18,209
Methyl eugenol	<0.01	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl iodide	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A	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	6
Naphthalene	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	0	N/A
Nitrapyrin	1	N/A	<0.01	0	N/A	34	478	N/A	247	N/A
Ortho-phenylphenol	130	104	329	264	71	175	124	47	191	138
Ortho-phenylphenol, sodium salt	<0.01	<0.01	<0.01	2	N/A	N/A	N/A	N/A	N/A	N/A
Oryzalin	203,898	203,504	162,536	90,433	106,348	92,524	74,068	35,915	12,551	3,968
Oxadiazon	1,511	1,239	1,777	1,067	1,151	1,074	653	418	834	699
Oxythioquinox	<0.01	<0.01	N/A	7	N/A	2	N/A	N/A	N/A	1
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
Pentachlorophenol	170	3	5	97	296	413	243	111	53	2
Potassium dichromate	<0.01	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	<0.01	N/A
Potassium n-methyldithiocarbamate	46,861	39,708	48,516	49,022	47,542	45,459	32,751	45,567	44,736	40,018
Propargite	121,952	104,758	87,943	87,430	106,446	97,986	101,832	94,838	64,925	73,377
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
Propyzamide	51,921	51,307	49,022	110,619	122,516	122,209	119,543	120,245	118,841	114,952

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Pymetrozine	37,228	42,540	30,716	42,744	36,824	52,283	62,986	50,084	20,462	18,515
Resmethrin	436	18	7	3	<0.01	21	<0.01	205	79	200
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
Sedaxane	N/A	N/A	N/A	<0.01	4	N/A	N/A	N/A	<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
Spirodiclofen	135,077	124,024	97,629	107,825	121,796	121,493	110,033	130,003	129,831	68,147
Terrazole	414	660	255	175	283	239	239	133	224	176
Tetrachloroethylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tetrachlorvinphos	4	3	1,044	5	3	<0.01	<0.01	0	<0.01	10
Thiodicarb	247	N/A	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	N/A
Toxaphene	<0.01	<0.01	<0.01	<0.01	2	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloro ethylene	<0.01	N/A	N/A	N/A	<0.01	<0.01	<0.01	N/A	N/A	N/A
Vinclozolin	11	5	10	6	18	13	3	1	6	1
Total	9,213,335	9,045,441	9,008,462	9,186,764	9,222,664	8,615,070	8,705,392	8,421,555	6,943,436	6,544,702