

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": Pounds Applied

Text files of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. The reported pounds of chemicals used 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 both agricultural and reportable nonagricultural applications. The word "none" or "N/A" indicates no use at all that year. Values > 1 are rounded.

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-dichloropropene	12,960,537	13,614,468	15,689,571	14,129,401	12,581,936	12,580,525	11,300,809	11,678,006	11,086,414	9,748,837
4-vinylcyclohexenediepoide	N/A	N/A	N/A	N/A	N/A	0	1	2	1	1
Acifluorfen, sodium salt	0	0	N/A	N/A	N/A	<0.01	N/A	N/A	<0.01	N/A
Alachlor	6,562	5,118	3,230	84	9	5	9	N/A	9	9
Amitrole	N/A	N/A	N/A	2	N/A	N/A	14	N/A	N/A	N/A
Arsenic pentoxide	8,480	16,719	22,190	10,508	5,105	3,677	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	N/A	<0.01	0	1	N/A	1	0	1
Captan	349,430	370,136	511,177	638,406	561,762	414,516	379,101	376,873	333,320	332,669
Carbaryl	117,272	131,744	155,525	221,095	107,470	128,818	113,587	110,403	99,402	84,128
Carbon tetrachloride	N/A	7	0	0	0	0	0	142	104	N/A
Chlordane	N/A	N/A	2	N/A	0	<0.01	N/A	1	N/A	0
Chlordecone	<0.01	<0.01	<0.01	<0.01	<0.01	0	<0.01	<0.01	0	0
Chlorothalonil	1,115,499	1,215,464	1,068,458	1,127,282	1,240,450	1,172,482	1,162,993	1,150,043	915,338	800,485
Chromic acid	11,847	23,358	31,629	15,709	7,632	5,497	N/A	N/A	N/A	N/A

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Creosote	3	N/A	1	N/A	N/A	<0.01	1	3	4	N/A
Daminozide	8,576	8,427	8,974	7,585	8,063	6,819	6,071	4,619	4,301	4,609
Ddvp	4,630	4,034	4,084	3,868	3,456	3,515	3,309	4,517	3,508	4,944
Ddvp, other related	278	162	165	123	113	109	84	153	65	95
Diethanolamine	N/A	N/A	76	392	293	389	352	373	281	49
Diocetyl phthalate	198	73	36	94	N/A	1	8	4	6	17
Dipropyl isocinchomeronate	<0.01	0	1	0	0	0	0	2	0	0
Diuron	414,228	325,345	317,328	248,389	179,467	188,426	171,441	163,315	111,835	92,716
Ethoprop	2,502	3,076	1,820	2,023	2,134	5,848	5,950	7,792	9,490	14,200
Ethyl acrylate	2	11	4	1	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	2	2	N/A
Ethylene oxide	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenoxycarb	1	1	9	2	3	1	0	0	0	1
Folpet	<0.01	<0.01	0	0	<0.01	N/A	<0.01	<0.01	0	N/A
Formaldehyde	11,165	52,989	31,956	23,116	11,825	1,349	3,082	8,696	5,452	5,138
Glyphosate	645	21	129	40	37	70	10	22	N/A	448
Glyphosate, diammonium salt	2,989	3,673	1,019	897	112	28	N/A	4,265	47,212	14,493
Glyphosate, dimethylamine salt	92,504	128,942	139,644	156,713	149,505	141,523	172,456	229,422	190,720	191,940
Glyphosate, isopropylamine salt	5,010,196	4,877,876	4,859,314	5,147,898	5,364,813	5,786,541	6,318,089	5,716,220	4,714,483	5,141,183
Glyphosate, monoammonium salt	36,553	21,965	12,386	18,724	9,033	7,100	10,910	8,790	8,862	16,432
Glyphosate, potassium salt	5,309,433	5,613,444	6,517,551	6,424,377	6,272,882	6,130,707	6,083,864	6,469,398	5,668,382	4,399,453
Glyphosate-trimesium	41	310	N/A	N/A	34	19	3	N/A	N/A	60
Heptachlor	N/A	N/A	N/A	N/A	0	<0.01	N/A	N/A	N/A	N/A
Imazalil	26,134	19,312	22,305	26,528	22,293	28,336	28,752	31,198	31,046	21,179
Iprodione	260,748	240,613	223,795	297,611	260,557	111,666	108,606	79,259	63,839	38,552
Kresoxim-methyl	26,213	28,346	23,915	22,905	23,566	20,018	17,445	16,818	11,859	26,880
Lindane	2	N/A	6	N/A	N/A	N/A	1	20	2	2
Malathion	446,890	502,997	443,128	355,223	334,893	361,816	325,226	360,218	252,111	450,398
Mancozeb	1,148,671	1,282,145	1,273,707	1,435,363	1,521,544	1,323,416	1,543,570	1,558,153	1,043,265	996,511

Chemical	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Maneb	1,383	1,274	286	1,275	2,224	59	3,221	866	653	165
Metam-sodium	4,846,428	4,297,539	3,606,650	3,297,827	3,144,356	3,765,658	4,307,477	4,326,370	3,593,891	3,630,276
Methyl eugenol	9	N/A	N/A	126	386	1,149	1,138	561	691	1,203
Methyl iodide	N/A	N/A	N/A	N/A	N/A	N/A	9	N/A	N/A	N/A
Methylene chloride	53	76	35	39	36	10	19	11	14	7
Metiram	17	13	0	4	26	18	13	11	37	29
Naphthalene	<0.01	N/A	N/A	N/A	0	<0.01	0	N/A	0	N/A
Nitrapyrin	2	N/A	5	2	N/A	16	179	N/A	106	N/A
Ortho-phenylphenol	1,713	1,777	1,316	1,181	472	418	400	88	50	1
Ortho-phenylphenol, sodium salt	4,375	3,611	4,815	2,261	N/A	N/A	N/A	N/A	N/A	N/A
Oryzalin	584,254	582,736	510,680	316,178	338,072	298,726	246,663	131,582	36,787	15,187
Oxadiazon	6,759	4,960	12,139	5,028	6,072	8,264	3,626	3,160	5,010	3,097
Oxythioquinox	0	1	N/A	1	N/A	0	N/A	N/A	N/A	0
Para-dichlorobenzene	<0.01	N/A	N/A	N/A	0	0	1	N/A	2	0
Parathion	0	1	836	41	3	3	49	11	0	198
Pentachlorophenol	274	11	25	1	4	27	20	9	4	1
Potassium dichromate	0	N/A	0	N/A	N/A	N/A	N/A	N/A	0	N/A
Potassium n-methylthiocarbamate	9,484,467	7,798,703	10,254,800	9,343,192	8,940,720	8,527,736	6,629,298	9,000,088	8,513,080	8,005,692
Propargite	291,001	246,496	213,205	206,503	245,228	226,375	227,820	227,074	160,835	167,920
Propoxur	373	251	100	49	43	29	15	5	3	3
Propylene oxide	405,059	400,719	396,191	368,260	255,702	213,681	229,979	271,228	163,231	138,059
Propyzamide	42,022	42,662	41,912	93,887	107,221	114,498	115,292	118,921	114,751	114,278
Pymetrozine	3,719	4,123	2,992	4,243	3,453	4,732	5,846	4,625	2,025	1,814
Resmethrin	19	188	4	146	67	54	3	11	5	111
S,s,s-tributyl phosphorotrithioate	19,077	11,683	6,472	6,882	8,151	8,911	8,104	6,546	6,804	3,789
Sedaxane	N/A	N/A	N/A	0	0	N/A	N/A	N/A	151	148
Sodium dichromate	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spirodiclofen	52,050	49,054	34,540	42,285	47,322	52,804	48,064	58,681	59,843	28,899
Terrazole	393	473	452	400	304	166	108	78	100	128
Tetrachloroethylene	153	221	101	112	81	29	51	33	40	20
Tetrachlorvinphos	2,660	629	173	66	55	109	63	31	38	0

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Thiodicarb	156	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A
Toxaphene	8	7	4	3	35	8	1	1	14	0
Trichloro ethylene	0	N/A	N/A	N/A	10	0	2	N/A	N/A	N/A
Vinclozolin	151	219	149	125	81	39	12	114	6	2
Total	43,118,807	41,938,206	46,451,022	44,004,478	41,769,115	41,646,739	39,583,219	42,128,836	37,259,484	34,496,458