

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	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	6	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-dichloropropene	11,953,290	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
2,4-d	4,259	5,665	6,384	7,372	6,046	4,344	6,083	5,575	6,860	8,788
4-vinylcyclohexenediepoxyde	N/A	N/A	N/A	N/A	N/A	N/A	0	1	2	1
acifluorfen, sodium salt	<0.01	0	0	N/A	N/A	N/A	<0.01	N/A	N/A	<0.01
alachlor	8,836	6,562	5,118	3,230	84	9	5	9	N/A	9
amitrole	6	N/A	N/A	N/A	2	N/A	N/A	14	N/A	N/A
arsenic pentoxide	9,240	8,480	16,719	22,190	10,508	5,105	3,677	N/A	N/A	N/A
arsenic trioxide	<0.01	N/A	<0.01	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A
cacodylic acid	0	N/A	0	N/A	<0.01	0	1	N/A	1	0
captan	403,224	349,430	370,136	511,177	638,406	561,762	414,516	379,101	376,873	332,842
carbaryl	113,845	117,272	131,744	155,525	221,095	107,470	128,818	113,587	110,403	99,400
carbon tetrachloride	90	N/A	7	0	0	0	0	0	142	104
chlordane	16	N/A	N/A	2	N/A	0	<0.01	N/A	1	N/A
chlordecone	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0	<0.01	<0.01	0
chlorothalonil	1,185,479	1,115,499	1,215,464	1,068,458	1,127,282	1,240,450	1,172,482	1,162,993	1,149,369	913,164
chromic acid	12,908	11,847	23,358	31,629	15,709	7,632	5,497	N/A	N/A	N/A
creosote	N/A	3	N/A	1	N/A	N/A	<0.01	1	3	4
daminozide	8,263	8,576	8,427	8,974	7,585	8,063	6,819	6,071	4,619	4,294
ddvp	4,890	4,630	4,034	4,084	3,868	3,456	3,515	3,309	4,517	3,507
ddvp, other related	276	278	162	165	123	113	109	84	153	65

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
diethanolamine	N/A	N/A	N/A	76	392	293	389	352	373	281
dioctyl phthalate	262	198	73	36	94	N/A	1	8	4	6
dipropyl isocinchomeronate	0	<0.01	0	1	0	0	0	0	2	0
diuron	554,597	414,228	325,345	317,328	248,389	179,467	188,426	171,441	163,031	111,555
ethoprop	2,077	2,502	3,076	1,820	2,023	2,134	5,848	5,950	7,792	9,490
ethyl acrylate	N/A	2	11	4	1	N/A	N/A	N/A	N/A	N/A
ethylene dibromide	6	N/A	N/A	<0.01	N/A	N/A	N/A	N/A	2	2
ethylene oxide	8	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
fenoxycarb	2	1	1	9	2	3	1	0	0	0
folpet	<0.01	<0.01	<0.01	0	0	<0.01	N/A	<0.01	<0.01	0
formaldehyde	3,847	11,165	52,989	31,956	23,116	11,825	1,349	3,082	8,696	5,452
glyphosate	1,894	645	21	129	40	37	70	10	22	N/A
glyphosate, diammonium salt	2,428	2,989	3,673	1,019	897	112	28	N/A	4,265	47,212
glyphosate, dimethylamine salt	123,833	92,504	128,942	139,644	156,713	149,505	141,523	172,456	229,410	190,622
glyphosate, isopropylamine salt	4,987,114	5,010,196	4,877,876	4,859,314	5,147,898	5,364,813	5,786,142	6,317,633	5,713,229	4,704,007
glyphosate, monoammonium salt	11,921	36,553	21,965	12,386	18,724	9,033	7,100	10,910	8,790	8,856
glyphosate, potassium salt	5,405,920	5,309,433	5,613,444	6,517,551	6,424,377	6,272,882	6,130,706	6,083,774	6,467,137	5,609,918
glyphosate-trimesium	144	41	310	N/A	N/A	34	19	3	N/A	N/A
heptachlor	0	N/A	N/A	N/A	N/A	0	<0.01	N/A	N/A	N/A
imazalil	25,085	26,134	19,312	22,305	26,528	22,293	28,336	28,752	31,198	31,046
iprodione	298,077	260,748	240,613	223,794	297,611	260,557	111,666	108,606	79,194	63,686
kresoxim-methyl	26,280	26,213	28,346	23,915	22,905	23,566	20,018	17,443	16,813	11,858
lindane	N/A	2	N/A	6	N/A	N/A	N/A	1	20	2
malathion	405,415	446,890	502,997	443,128	355,223	334,893	361,816	325,226	355,908	247,106
mancozeb	1,131,071	1,148,671	1,282,145	1,273,707	1,435,363	1,521,544	1,323,416	1,543,570	1,558,069	1,043,342
maneb	6,260	1,383	1,274	286	1,275	2,224	59	3,221	866	653
metam-sodium	8,444,536	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
methyl eugenol	N/A	9	N/A	N/A	126	386	1,149	1,138	500	691
methyl iodide	21	N/A	N/A	N/A	N/A	N/A	N/A	9	N/A	N/A
methylene chloride	61	53	76	35	39	36	10	19	11	14
metiram	34	17	13	0	4	26	18	13	11	37
naphthalene	N/A	<0.01	N/A	N/A	N/A	0	<0.01	0	N/A	0

Chemical	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
nitrapyrin	<0.01	2	N/A	5	2	N/A	16	179	N/A	106
ortho-phenylphenol	2,964	1,713	1,777	1,316	1,181	472	418	400	88	50
ortho-phenylphenol, sodium salt	3,586	4,375	3,611	4,815	2,261	N/A	N/A	N/A	N/A	N/A
oryzalin	686,557	584,254	582,736	510,680	316,178	338,072	298,726	246,663	131,426	36,475
oxadiazon	7,272	6,759	4,960	12,139	5,028	6,072	8,264	3,626	3,160	5,010
oxythioquinox	1	0	1	N/A	1	N/A	0	N/A	N/A	N/A
para-dichlorobenzene	18	<0.01	N/A	N/A	N/A	0	0	1	N/A	2
parathion	25	0	1	836	41	3	3	49	11	0
pentachlorophenol	224	274	11	25	1	4	27	20	9	4
potassium dichromate	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A	0
potassium n-methyldithiocarbamate	8,320,255	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
propargite	252,218	291,001	246,496	213,205	206,503	245,228	226,375	227,820	226,083	159,837
propoxur	359	373	251	100	49	43	29	15	5	3
propylene oxide	389,070	405,059	400,719	396,191	368,260	255,702	213,681	229,979	271,228	163,231
propyzamide	47,404	42,022	42,662	41,912	93,887	107,221	114,498	115,292	118,921	114,735
pymetrozine	3,199	3,719	4,123	2,992	4,243	3,453	4,732	5,846	4,625	2,015
resmethrin	46	19	188	4	146	67	54	3	11	5
s,s,s-tributyl phosphorotrithioate	21,820	19,077	11,683	6,472	6,882	8,151	8,911	8,104	6,546	6,804
sedaxane	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	151
sodium dichromate	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
spirodiclofen	28,363	52,050	49,054	34,540	42,285	47,322	52,804	48,064	58,681	59,832
terrazole	503	393	473	452	400	304	166	108	78	100
tetrachloroethylene	176	153	221	101	112	81	29	51	33	40
tetrachlorvinphos	665	2,660	629	173	66	55	109	63	31	38
thiodicarb	145	156	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A
toxaphene	16	8	7	4	3	35	8	1	1	14
trichloro ethylene	N/A	0	N/A	N/A	N/A	10	0	2	N/A	N/A
vinclozolin	467	151	219	149	125	81	39	12	114	6
Total	44,900,872	43,124,471	41,944,590	46,458,394	44,010,523	41,773,458	41,652,423	39,588,247	42,123,800	37,189,859