

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.

Chemical	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	None	None	6	None	1	None	None	None	None	None
1,3-dichloropropene	8,797,078	10,924,344	11,953,290	12,960,537	13,614,468	15,689,571	14,129,227	12,581,936	12,580,525	11,300,809
2,4-d	11,914	5,400	4,259	5,665	6,384	7,372	6,046	4,344	6,083	5,389
4-vinylcyclohexenediepoide	None	None	None	None	None	None	None	None	<0.01	1
acifluorfen, sodium salt	<0.01	None	<0.01	<0.01	<0.01	None	None	None	<0.01	None
alachlor	9,936	9,294	8,836	6,562	5,118	3,230	84	9	5	9
alpha-chlorohydrin	None	2	None	None	None	None	None	None	None	None
amitrole	4	4	6	None	None	None	2	None	None	14
arsenic acid	None	17	None	None	None	None	None	None	None	None
arsenic pentoxide	16,144	8,034	9,240	8,480	16,719	22,190	10,508	5,105	3,677	None
arsenic trioxide	<0.01	<0.01	<0.01	None	<0.01	<0.01	<0.01	None	None	None
cacodylic acid	3	<0.01	<0.01	None	<0.01	None	<0.01	<0.01	1	None
captan	450,225	376,790	403,224	349,430	370,136	511,177	638,401	561,715	414,516	375,417
carbaryl	113,983	74,946	113,845	117,272	131,744	155,525	221,095	107,453	128,631	113,084
carbon tetrachloride	None	6	90	None	7	<0.01	<0.01	<0.01	None	None
chlordane	6	None	16	None	None	2	None	<0.01	<0.01	None
chlordecone	None	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
chlorothalonil	962,102	1,151,524	1,185,479	1,115,499	1,215,447	1,068,449	1,127,282	1,240,450	1,173,767	1,160,779
chromic acid	22,555	11,224	12,908	11,847	23,358	31,629	15,709	7,632	5,497	None
creosote	None	None	None	3	None	1	None	None	<0.01	1

Chemical	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
daminozide	9,361	8,441	8,263	8,576	8,427	8,959	7,585	8,063	6,819	6,071
ddvp	4,176	5,480	4,890	4,630	4,034	4,083	3,868	3,456	3,515	3,331
ddvp, other related	194	268	276	278	162	165	123	113	109	84
diclofop-methyl	None	7	None	None	None	None	None	None	None	None
diethanolamine	None	None	None	None	None	76	392	293	389	352
dioctyl phthalate	453	248	262	198	73	36	94	None	1	8
dipropyl isocinchomeronate	1	1	<0.01	<0.01	<0.01	1	<0.01	<0.01	<0.01	<0.01
diuron	588,905	676,479	554,596	414,263	325,345	317,328	248,389	179,467	188,424	169,639
ethoprop	5,796	7,475	2,077	2,502	3,076	1,820	2,023	2,134	5,848	5,950
ethyl acrylate	9	36	None	2	11	4	1	None	None	None
ethylene dibromide	None	None	6	None	None	<0.01	None	None	None	None
ethylene oxide	None	None	8	None	<0.01	None	None	None	None	None
fenoxycarb	3	3	2	1	1	9	2	3	1	<0.01
folpet	<0.01	None	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	None	<0.01
formaldehyde	5,511	4,615	3,847	11,165	52,989	31,956	23,116	11,825	1,349	3,082
glyphosate	10,737	5,301	1,894	645	21	129	40	37	70	10
glyphosate, diammonium salt	11,987	11,468	2,428	2,989	3,673	1,019	897	112	28	None
glyphosate, dimethylamine salt	29,788	130,752	123,833	92,504	128,942	139,644	156,713	149,505	141,523	172,484
glyphosate, isopropylamine salt	5,661,592	5,915,206	4,987,632	5,010,260	4,877,876	4,859,304	5,147,166	5,368,830	5,784,258	6,306,993
glyphosate, monoammonium salt	24,675	22,748	11,921	36,553	21,965	12,386	18,724	9,033	7,099	10,862
glyphosate, potassium salt	3,074,156	4,714,262	5,405,924	5,309,433	5,613,513	6,517,500	6,424,340	6,268,575	6,128,741	6,068,783
glyphosate-trimesium	535	574	144	41	310	None	None	34	19	3
heptachlor	None	None	<0.01	None	None	None	None	<0.01	<0.01	None
imazalil	26,181	25,767	25,085	26,134	19,312	22,305	26,528	22,293	28,307	28,839
iprodione	353,695	355,634	298,068	260,748	240,613	223,793	297,623	260,557	111,666	108,238
kresoxim-methyl	32,107	38,671	26,280	26,213	28,346	23,915	22,905	23,565	20,008	17,427
lindane	18	1	None	2	None	6	None	None	None	1
malathion	561,398	512,004	405,396	446,890	502,997	443,128	355,223	334,893	361,816	323,905
mancozeb	757,894	1,047,232	1,131,071	1,149,271	1,282,145	1,273,707	1,435,408	1,521,544	1,322,745	1,540,119
maneb	370,333	54,541	6,260	1,383	1,274	286	1,275	2,224	59	3,157
metam-sodium	11,428,913	10,919,085	8,444,536	4,846,428	4,297,539	3,606,650	3,297,827	3,144,356	3,765,659	4,124,364
methyl eugenol	None	5	None	9	None	None	126	386	1,149	1,138
methyl iodide	None	1,157	21	None	None	None	None	None	None	9
methylene chloride	31	24	61	53	76	35	39	36	10	19
metiram	None	15	34	17	13	<0.01	4	26	18	13
naphthalene	1	<0.01	None	<0.01	None	None	None	<0.01	<0.01	<0.01
nitrapyrin	211	None	<0.01	2	None	5	2	None	16	179

Chemical	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ortho-phenylphenol	2,271	2,582	2,964	1,713	1,777	1,316	1,181	472	418	400
ortho-phenylphenol, sodium salt	2,129	5,192	3,586	4,375	3,611	4,815	2,261	None	None	None
oryzalin	602,291	769,232	686,557	584,258	582,736	510,680	316,178	338,072	298,732	245,060
oxadiazon	12,382	7,783	7,272	6,759	4,960	12,139	5,028	6,072	8,264	3,626
oxythioquinox	6	<0.01	1	<0.01	1	None	1	None	<0.01	None
para-dichlorobenzene	None	<0.01	18	<0.01	None	None	None	<0.01	<0.01	1
parathion	257	196	25	<0.01	1	836	41	3	3	47
pentachlorophenol	3	18	224	274	11	25	1	4	27	21
pirimicarb	1	1	None	None	None	None	None	None	None	None
potassium dichromate	None	None	None	<0.01	None	<0.01	None	None	None	None
potassium n-methyldithiocarbamate	4,832,615	5,674,072	8,320,255	9,484,467	7,798,703	10,252,910	9,343,192	8,940,720	8,527,736	6,629,298
propargite	294,853	296,351	252,218	291,001	246,496	213,205	206,503	245,228	226,375	227,357
propoxur	298	808	359	373	251	100	49	43	29	15
propylene oxide	300,008	449,037	389,070	410,360	400,719	396,191	368,260	255,702	213,681	229,979
propyzamide	51,384	49,678	47,404	42,022	42,662	41,906	93,856	107,221	114,498	115,297
pymetrozine	3,820	2,835	3,199	3,719	4,123	2,992	4,243	3,453	4,732	5,843
resmethrin	206	122	46	19	188	4	146	67	54	3
s,s,s-tributyl phosphorotrithioate	18,427	30,328	21,820	19,077	11,683	6,472	6,882	8,151	8,911	8,104
sedaxane	None	None	None	None	None	None	<0.01	<0.01	None	None
sodium dichromate	None	None	None	None	2	None	None	None	None	None
spirodiclofen	31,085	22,729	28,363	52,050	49,054	34,540	42,285	47,322	52,804	47,910
terrazole	1,500	638	503	393	473	452	400	304	166	108
tetrachloroethylene	90	68	176	153	221	101	112	81	29	51
tetrachlorvinphos	1,086	912	665	2,660	629	173	66	55	109	63
thiodicarb	152	472	145	156	None	None	None	1	None	None
toxaphene	16	28	16	8	7	4	3	35	8	1
trichloro ethylene	None	1	None	<0.01	None	None	None	10	<0.01	2
vinclozolin	217	328	467	151	219	149	125	81	39	12
Total	39,497,709	44,332,495	44,901,363	43,130,475	41,944,643	46,456,410	44,009,602	41,773,102	41,648,965	39,363,761