Use Trends of Pesticides on DPR's Toxic Air Contaminants List: Pounds Applied

Text files of data are available. The reported pounds of chemicals used that are toxic air contaminants. Toxic air contaminants (TACs) are defined as air pollutants that may cause or contribute to increases in serious illness or death, that may pose a present or potential hazard to human health, or pesticides identified as hazardous air pollutants per Section 7412 of Title 42 of the United States Code and pesticides determined to be TACs in consultation with the Office of Environmental Health Hazard Assessment. The toxic air contaminants category included all chemicals listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 2, Article 1, Section 6860. Values greater than one are rounded. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions Guide.

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1,3-dichloropropene	15,693,070	14,132,954	12,581,936	12,580,525	11,304,749	11,670,917	11,018,263	9,749,518	7,023,406	6,989,162
10,10'-oxybisphenoxyarsine	0	0	0	0	0	0	0	0	15	995
2,4-d	7,371	6,042	4,314	6,079	5,532	6,861	8,789	8,044	9,326	11,557
2,4-d, 2-ethylhexyl ester	27,330	32,264	19,551	21,093	24,025	20,571	18,242	20,025	22,727	21,004
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	201	21	82	204	7	1	< 1	0	0	0
2,4-d, butoxyethanol ester	1,791	893	1,325	2,105	1,948	3,344	2,405	3,185	1,872	4,187
2,4-d, butyl ester	129	0	50	0	33	0	0	0	0	0
2,4-d, diethanolamine salt	3,628	3,227	2,977	3,254	3,044	3,383	2,899	2,617	1,857	999
2,4-d, dimethylamine salt	362,286	368,390	305,705	328,654	320,242	357,390	331,159	336,032	286,685	249,515
2,4-d, dodecylamine salt	0	10	0	0	0	0	0	0	0	0
2,4-d, isooctyl ester	680	549	192	417	318	176	461	402	317	490
2,4-d, isopropyl ester	11,489	14,954	12,769	13,590	13,904	12,913	12,961	13,059	13,077	13,664

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2,4-d, tetradecylamine salt	0	2	0	0	0	0	0	0	0	0
2,4-d, triethylamine salt	10	137	2	< 1	12	< 1	1	11	0	0
2,4-d, triisopropanolamine salt	3,318	2,814	1,284	1,675	876	610	186	644	93	28
2,4-dichlorophenoxyacetic acid, choline salt	0	0	0	0	0	10,989	27,978	38,271	22,940	23,336
Acrolein	56,830	48,108	56,227	57,971	54,899	54,950	50,253	44,828	57,320	50,384
Aggregated adjuvant data	0	41	3	< 1	2	< 1	< 1	0	7	0
Aluminum phosphide	90,315	160,806	299,644	123,661	90,506	149,498	130,580	136,134	83,886	113,903
Arsenic pentoxide	22,190	10,508	5,105	3,677	0	0	0	0	0	1
Arsenic trioxide	< 1	< 1	0	0	0	0	0	0	0	0
Captan	511,177	638,313	561,762	414,516	379,101	376,873	333,335	332,479	368,402	368,327
Captan, other related	4,030	4,838	4,159	3,853	3,482	4,227	3,428	3,353	4,436	5,977
Carbaryl	155,525	221,095	107,470	128,935	113,755	110,504	99,403	85,258	84,492	91,083
Chlorine	603,519	726,781	418,713	589,661	676,123	246,961	192,703	558,588	503,083	125,680
Chloropicrin	8,520,057	8,658,076	8,788,431	7,486,861	8,062,337	8,370,895	8,506,634	8,775,753	8,515,832	9,128,132
Chlorpyrifos	1,107,435	903,260	947,954	602,946	12,817	14,121	7,507	1,825	1,933	2,445
Chromic acid	31,629	15,709	7,632	5,497	0	0	0	0	0	< 1
Dazomet	83,058	53,928	47,513	25,085	13,317	22,048	41,747	27,787	11,078	13,163
Ddvp	4,132	3,919	3,523	3,581	3,350	4,582	3,542	4,984	4,068	3,582
Endosulfan	6,420	576	55	1	81	231	105	59	< 1	12
Formaldehyde	31,956	23,116	11,825	1,349	3,082	8,696	5,452	5,138	0	0
Hydrogen chloride	553	589	1,573	3,958	1,385	1,059	802	855	277	277
Lindane	6	0	0	0	< 1	20	2	2	0	0
Magnesium phosphide	22,316	14,766	9,021	8,344	9,660	8,313	35,652	15,674	18,563	42,742
Mancozeb	1,273,730	1,437,311	1,521,364	1,323,805	1,544,627	1,558,374	1,041,638	1,001,051	773,716	960,577

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Maneb	286	1,275	2,224	59	3,221	866	653	166	95	5
Meta-cresol	< 1	< 1	4	< 1	< 1	1	1	< 1	< 1	< 1
Metam-sodium	3,606,650	3,297,827	3,144,344	3,765,658	4,307,477	4,326,370	3,593,891	3,636,234	2,800,594	2,833,708
Methanol	0	2	0	0	0	0	0	0	0	0
Methidathion	245	146	11	140	2	< 1	3	0	0	< 1
Methoxychlor	< 1	0	3	0	10	0	< 1	< 1	45	0
Methoxychlor, other related	0	0	0	0	0	0	0	0	6	0
Methyl bromide	2,655,364	2,604,013	1,798,430	1,683,024	1,641,575	1,687,149	1,604,892	1,624,932	1,676,651	1,603,994
Methyl iodide	0	0	0	0	9	0	0	0	0	0
Methyl isothiocyanate	63	77	153	511	0	79	246	0	0	0
Methyl parathion	182	24	5	10	4	74	54	22	< 1	< 1
Methyl parathion, other related	5	< 1	0	0	< 1	< 1	0	0	0	< 1
Naphthalene	0	0	< 1	< 1	< 1	0	< 1	0	0	0
Para-dichlorobenzene	0	0	< 1	< 1	1	0	2	< 1	0	0
Parathion	836	41	3	3	49	11	< 1	149	68	280
Pcnb	20,626	53,374	76,601	83,944	69,718	45,784	25,405	9,159	8,680	5,888
Pcp, other related	< 1	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorophenol	2	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenol	1	0	0	0	0	0	0	0	0	0
Phosphine	28,397	19,234	21,700	19,561	48,814	83,260	88,343	15,933	15,383	89,426
Phosphorus	0	0	0	0	0	< 1	0	< 1	< 1	< 1
Potassium n-methyldithiocarbamate	10,256,414	9,346,591	8,940,720	8,527,736	6,629,298	9,000,088	8,513,080	8,005,694	8,633,739	8,685,286
Potassium permanganate	0	113	0	0	0	12	0	52	0	0
Propoxur	100	49	43	29	15	5	3	3	2	< 1
Propylene oxide	396,191	368,260	255,702	216,833	229,979	271,228	163,231	138,059	168,176	134,498

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
S,s,s-tributyl phosphorotrithioate	6,472	6,882	8,151	8,911	8,104	6,546	6,804	3,974	3,503	2,768
Sodium cyanide	3,108	2,869	3,057	2,986	2,618	2,698	2,389	2,350	1,727	1,630
Sodium pentachlorophenate	0	0	0	0	0	0	< 1	0	0	0
Sulfuryl fluoride	3,042,482	3,301,117	3,146,765	3,013,619	3,013,690	2,831,672	3,091,584	3,149,999	3,077,590	2,833,033
Trifluralin	471,559	387,921	346,476	352,470	323,595	300,856	301,995	326,808	284,052	271,531
Xylene	649	143	30	151	277	281	236	109	49	141
Zinc phosphide	4,001	3,722	4,202	4,334	2,278	3,718	2,889	4,608	4,570	6,710
Total	49,129,814	46,877,678	43,470,783	41,421,280	38,923,950	41,579,208	39,271,829	38,083,827	34,484,343	34,690,125