Use Trends of Pesticides on DPR's Toxic Air Contaminants List: Cumulative Acres Treated

Text files of data are available. The reported cumulative acres treated 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. Acres treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres. Cumulative acres treated totals include pesticide use reports (PURs) with unit treated equal to acres (A) or square feet (S), the latter of which was converted to acres. PURs with volume (cubic feet, etc.), weight (tons, lbs, etc.), or miscellaneous units (bins, holes, etc.) are not included in the acres treated totals. Most nonagricultural PURs are not required to report acres treated, so the acres treated totals are predominantly agricultural pesticide uses. If pounds were reported for a year but acres treated is zero, then the pesticide use was non-agricultural. The total for acres treated may be less than the sum of the table rows because the total is adjusted to prevent the overcounting of acreage for pesticide products with more than one active ingredient. 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	78,360	75,790	70,641	65,782	62,136	63,452	61,284	57,086	44,554	43,768
10,10'-oxybisphenoxyarsine	0	0	0	0	0	0	0	0	0	0
2,4-d	13,237	11,987	8,434	10,917	9,697	13,206	13,914	11,977	12,865	17,047
2,4-d, 2-ethylhexyl ester	11,435	15,732	9,098	9,761	10,021	8,656	9,041	5,762	7,060	5,660
2,4-d, alkanolamine salts (ethanol and isopropanol amines)	0	2	59	28	< 1	0	0	0	0	0
2,4-d, butoxyethanol ester	813	1,000	1,438	1,508	1,346	1,889	1,585	1,397	935	1,320
2,4-d, butyl ester	33	0	38	0	0	0	0	0	0	0
2,4-d, diethanolamine salt	6,581	8,176	7,087	7,387	7,319	7,843	7,568	6,103	4,195	3,134
2,4-d, dimethylamine salt	330,133	331,887	264,632	291,987	275,337	300,029	268,998	284,696	241,565	223,637

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2,4-d, dodecylamine salt	0	0	0	0	0	0	0	0	0	0
2,4-d, isooctyl ester	2	283	306	475	284	143	124	128	83	62
2,4-d, isopropyl ester	147,256	155,633	149,639	161,569	163,583	158,086	148,576	154,380	156,424	165,431
2,4-d, tetradecylamine salt	0	0	0	0	0	0	0	0	0	0
2,4-d, triethylamine salt	45	0	0	0	0	3	0	13	0	0
2,4-d, triisopropanolamine salt	1,099	209	120	205	30	0	0	< 1	0	10
2,4-dichlorophenoxyacetic acid, choline salt	0	0	0	0	0	20,768	44,653	70,269	44,925	41,151
Acrolein	432	78	34	47	14	15	0	0	747	1,600
Aggregated adjuvant data	0	556	64	35	52	36	0	0	98	0
Aluminum phosphide	159,056	82,175	70,523	73,229	64,404	53,239	43,626	48,766	36,028	30,410
Arsenic pentoxide	0	0	0	0	0	0	0	0	0	< 1
Arsenic trioxide	0	0	0	0	0	0	0	0	0	0
Captan	212,100	246,074	220,606	219,034	202,843	210,302	190,877	187,345	207,076	208,111
Captan, other related	98,445	105,766	100,389	90,105	86,278	108,968	87,776	82,920	110,665	149,361
Carbaryl	136,319	116,667	106,725	99,823	98,844	108,678	108,335	106,094	107,895	109,693
Chlorine	6,258	2,275	0	323	29,651	8,180	7,158	26,073	767	3,834
Chloropicrin	53,794	49,207	48,256	42,154	46,382	47,302	45,991	49,113	46,532	45,225
Chlorpyrifos	829,326	641,560	691,056	432,121	6,999	7,489	2,759	167	263	259
Chromic acid	0	0	0	0	0	0	0	0	0	< 1
Dazomet	368	18	88	35	8	34	71	10	0	16
Ddvp	6,282	3,317	787	12	829	735	868	2,192	1,301	1,404
Endosulfan	6,561	638	106	13	19	254	155	0	0	157
Formaldehyde	30	0	0	0	0	30	0	0	0	0

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Hydrogen chloride	100	0	11	3	0	6	144	19	0	0
Lindane	28	0	0	0	0	0	1	1	0	0
Magnesium phosphide	131	9	20	3	7	< 1	< 1	3	3	3
Mancozeb	740,616	831,464	858,620	720,062	855,320	810,702	555,420	556,275	436,536	482,675
Maneb	425	987	1,286	75	1,858	924	376	96	72	29
Meta-cresol	128	690	1,218	252	87	121	308	63	1	23
Metam-sodium	24,254	19,437	17,423	20,139	22,626	21,752	17,697	18,249	13,237	13,785
Methanol	0	23	0	0	0	0	0	0	0	0
Methidathion	453	198	27	138	6	0	13	0	0	3
Methoxychlor	0	8	3	0	4	0	0	0	593	0
Methoxychlor, other related	0	8	0	0	0	0	0	0	592	0
Methyl bromide	12,796	59,534	6,051	5,602	5,605	5,932	5,786	5,851	6,288	6,045
Methyl iodide	0	0	0	0	1	0	0	0	0	0
Methyl isothiocyanate	0	0	0	0	0	0	0	0	0	0
Methyl parathion	298	60	0	27	4	75	177	7	2	< 1
Methyl parathion, other related	36	18	0	0	0	4	0	0	0	0
Naphthalene	0	0	0	0	0	0	< 1	0	0	0
Para-dichlorobenzene	0	0	0	0	< 1	0	8	0	0	0
Parathion	207	82	60	0	304	80	0	0	86	0
Pcnb	811	2,084	3,561	3,347	2,958	2,504	1,165	564	302	207
Pcp, other related	5	0	0	0	0	6	18	0	0	0
Pentachlorophenol	5	0	0	0	0	6	18	0	0	0
Phenol	170	0	0	0	0	0	0	0	0	0
Phosphine	25	3	93	112	59	1	48	90	27	86,581
Phosphorus	0	0	0	0	0	0	0	0	0	0

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Potassium n-methyldithiocarbamate	48,516	49,049	47,542	45,459	32,751	45,567	44,736	40,018	44,045	45,282
Potassium permanganate	0	0	0	0	0	6	0	0	0	0
Propoxur	39	19	0	25	0	0	0	0	9	0
Propylene oxide	0	0	14	0	0	0	0	0	0	0
S,s,s-tributyl phosphorotrithioate	7,582	7,725	10,624	11,007	6,091	5,106	5,449	3,997	2,776	2,435
Sodium cyanide	18	0	0	0	0	0	0	0	0	0
Sodium pentachlorophenate	0	0	0	0	0	0	0	0	0	0
Sulfuryl fluoride	153	0	30	< 1	40	9	20	2,513	2,024	1,180
Trifluralin	480,763	387,998	350,119	339,573	281,641	276,845	261,831	281,238	254,339	253,062
Xylene	1,151	365	133	248	743	555	515	237	155	585
Zinc phosphide	51,789	45,360	57,274	34,791	24,030	34,179	21,230	42,777	40,290	58,153
Total	3,332,141	3,110,043	2,970,354	2,567,602	2,182,871	2,181,840	1,838,103	1,933,119	1,684,999	1,823,838