

Use Trends of Fumigants: Pounds Applied

[Text files](#) of data are available. The reported pounds of chemicals used that are considered to be higher-risk fumigants. Fumigants are volatile gas pesticides that can penetrate into soil, stored products (such as food, seeds, fibers), structures, and other sites to kill pests. Values greater than one are rounded. For more information, see [Pesticide Use Annual Report Data Access, References, and Definitions Guide](#).

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	1	0	0	0	0	0	0	0	0	0
1,3-dichloropropene	13,615,169	15,693,070	14,132,954	12,581,936	12,580,525	11,304,749	11,686,702	11,089,115	9,749,522	7,023,406
Aluminum phosphide	113,910	90,315	160,806	299,645	123,661	90,506	149,498	130,562	156,330	83,696
Carbon dioxide	18,297	17,675	25,366	26,359	36,307	73,226	38,421	45,292	41,510	115,473
Carbon disulfide	1	< 1	< 1	< 1	< 1	< 1	48	21	0	2
Carbon tetrachloride	7	< 1	< 1	< 1	< 1	< 1	142	104	0	0
Chloropicrin	8,994,591	8,520,057	8,658,076	8,788,431	7,486,861	8,062,341	8,384,767	8,506,634	8,775,770	8,515,832
Dazomet	58,652	83,058	53,928	47,513	25,086	13,317	22,048	41,748	27,788	11,078
Diallyl disulfide	0	0	103	94	0	0	26	0	0	1
Ethylene dibromide	0	< 1	0	0	0	0	2	2	0	0
Ethylene oxide	< 1	0	0	0	0	0	0	0	0	0
Magnesium phosphide	7,562	22,316	14,766	9,021	8,344	9,660	8,313	35,652	15,653	18,521
Metam-sodium	4,297,719	3,606,650	3,297,827	3,144,344	3,765,658	4,307,477	4,326,370	3,593,891	3,636,234	2,800,317
Methyl bromide	2,969,523	2,655,364	2,604,013	1,798,430	1,683,024	1,641,579	1,687,149	1,604,892	1,624,932	1,676,651
Methyl iodide	0	0	0	0	0	9	0	0	0	0
Methyl isothiocyanate	92	63	77	153	511	0	79	246	0	0
Phosphine	11,399	28,397	19,234	21,700	19,561	48,814	83,260	88,346	15,934	15,380
Potassium n-methyldit hiocarbamate	7,798,703	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
Propylene oxide	400,719	396,191	368,260	255,702	216,833	229,979	271,228	163,231	138,059	168,176

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Sodium tetrathiocarbonate	120	0	0	0	0	0	0	0	0	0
Sulfur dioxide	227,978	247,898	280,535	263,661	278,038	285,949	360,243	296,027	301,616	226,956
Sulfuryl fluoride	2,801,523	3,042,482	3,301,117	3,146,765	3,013,619	3,013,702	2,831,687	3,091,624	3,149,943	3,071,223
Total	41,315,966	44,659,950	42,263,653	39,324,475	37,765,766	35,710,607	38,850,071	37,200,466	35,638,985	32,360,449