

Use Trends of Fumigants: Cumulative Acres Treated

[Text files](#) of data are available. The reported cumulative acres treated 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. 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1,2-dichloropropane, 1,3-dichloropropene and related c3 compounds	8	0	0	0	0	0	0	0	0	0
1,3-dichloropropene	69,658	78,360	75,790	70,641	65,782	62,136	63,497	61,521	57,086	44,554
Aluminum phosphide	150,088	159,056	82,175	70,523	73,229	64,404	53,239	43,654	48,766	40,049
Carbon dioxide	20	19	2	0	0	4,530	0	9	7	0
Carbon disulfide	< 1	0	0	0	0	0	0	0	0	0
Carbon tetrachloride	< 1	0	0	0	0	0	0	0	0	0
Chloropicrin	54,875	53,794	49,207	48,256	42,154	46,382	47,302	45,991	49,113	46,532
Dazomet	152	368	18	88	35	8	34	71	10	0
Diallyl disulfide	0	0	225	222	0	0	85	0	0	0
Ethylene dibromide	0	0	0	0	0	0	0	0	0	0
Ethylene oxide	0	0	0	0	0	0	0	0	0	0
Magnesium phosphide	14	131	9	20	3	7	< 1	< 1	3	3
Metam-sodium	24,424	24,254	19,437	17,423	20,139	22,626	21,752	17,697	18,249	13,237
Methyl bromide	16,599	12,796	59,534	6,051	5,602	5,605	5,932	5,786	5,851	6,288
Methyl iodide	0	0	0	0	0	1	0	0	0	0
Methyl isothiocyanate	0	0	0	0	0	0	0	0	0	0

Chemical	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Phosphine	2	25	3	93	112	59	1	48	90	27
Potassium n-methylthiocarbamate	39,708	48,516	49,049	47,542	45,459	32,751	45,567	44,736	40,018	44,045
Propylene oxide	0	0	0	14	0	0	0	0	0	0
Sodium tetrathiocarbonate	4	0	0	0	0	0	0	0	0	0
Sulfur dioxide	535	777	400	1,396	546	439,708	117	129	75	10,937
Sulfuryl fluoride	585	153	0	30	< 1	42	36	40	2,563	2,326
Total	321,336	348,513	306,675	237,271	232,100	655,740	214,480	196,332	197,807	183,856