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	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
Aluminum phosphide	159,056	82,175	70,523	73,229	64,404	53,239	43,626	48,766	36,028	30,410
Carbon dioxide	19	2	0	0	4,530	0	9	7	0	0
Carbon disulfide	0	0	0	0	0	0	0	0	0	0
Carbon tetrachloride	0	0	0	0	0	0	0	0	0	0
Chloropicrin	53,794	49,207	48,256	42,154	46,382	47,302	45,991	49,113	46,532	45,225
Dazomet	368	18	88	35	8	34	71	10	0	16
Diallyl disulfide	0	225	222	0	0	85	0	0	0	0
Ethylene dibromide	0	0	0	0	0	0	0	0	0	0
Ethylene dichloride	0	0	0	0	0	0	0	0	0	0
Magnesium phosphide	131	9	20	3	7	< 1	< 1	3	3	3
Metam-sodium	24,254	19,437	17,423	20,139	22,626	21,752	17,697	18,249	13,237	13,785
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
Phosphine	25	3	93	112	59	1	48	90	27	86,581
Potassium n-methyldithiocarbamate	48,516	49,049	47,542	45,459	32,751	45,567	44,736	40,018	44,045	45,282

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Propylene oxide	0	0	14	0	0	0	0	0	0	0
Sulfur dioxide	777	400	1,396	546	439,708	117	129	75	10,976	9
Sulfuryl fluoride	153	0	30	< 1	40	9	20	2,513	2,024	1,180
Total	348,513	306,675	237,271	232,100	655,738	214,408	196,048	197,757	179,572	248,375