Use Trends of Oil Pesticides: Cumulative Acres Treated

Text files of data are available. The reported cumulative acres treated that are oils. The oils category includes pesticides with a petroleum-based oil chemical (botanical oils are not included in these totals). Petroleum-based oils are often used as insecticides, fungicides, or adjuvants. Oils used as broad spectrum insecticides kill insects by either physically blocking their ability to breathe or affecting how they eat. Some refined petroleum-based oils are relatively lower risk than conventional pesticides and may be used in organic farming. 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
Aggregated adjuvant data	8,515	115,714	4,183	142,780	935	281	5	581	0	14
Kerosene	138	0	50	0	112	0	0	0	0	0
Low molecular weight paraffinic oil	270,979	270,246	243,267	214,371	216,156	190,551	152,919	122,740	213,046	283,402
Mineral oil	4,479,573	4,899,433	5,054,477	5,261,757	5,442,306	5,474,793	4,865,427	4,585,862	4,678,691	4,505,862
Naphtha, heavy aromatic	52,474	0	126,953	0	198,408	135,591	115,971	137,430	155,776	188,225
Paraffinic hydrocarbons	1,744	1,410	1,751	1,433	907	1,296	203	0	292	0
Petroleum derivative resin	0	0	0	0	0	0	0	0	0	0
Petroleum distillates	1,110	11,395	21,023	19,216	4,067	3,191	6,436	6,009	1,500	141
Petroleum distillates, aromatic	70	12	70	154	280	418	87	13	1	10
Petroleum oil, sulfurized	127,113	52,554	32,176	20,011	16,850	14,612	14,827	7,793	2,691	2,474
Total	4,904,036	5,301,800	5,451,563	5,637,357	5,854,677	5,788,853	5,134,124	4,845,168	4,979,087	4,842,512