

Non-Agricultural Pesticide Sales 2017

Introduction

The Minnesota Department of Agriculture (MDA) is responsible for monitoring urban (non-agricultural) and rural (agricultural) pesticideⁱ use in Minnesota. Pesticide registrants provide the MDA the total pounds of non-agricultural active ingredients (ai) sold in Minnesota each year. Over 500 ais are reported through product sales and each product sold is assigned to one of 13 pesticide product type categories. These categories group pesticides according to their primary use as listed on the pesticide label. This fact sheet details the non-agricultural pesticide products soldⁱⁱ in 2017. Accordingly, crop chemicals and formulatingⁱⁱⁱ pesticides are not included in this report. The remaining 11 categories are shown in the following table.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	DEFINITION
Animal Care	Products used for the care of livestock and household pets.
Disinfectants and Sanitizers	All professional and homeowner use of disinfectant and sanitizer products.
Garden and Lawn	Products generally used by homeowners on lawns and gardens.
Home	Products used in the home by homeowner: includes mosquito repellents.
Industrial, Right-of-Way, and Forestry	Products used along highways and power lines rights-of-way, in industrial areas and forest management products.
Miscellaneous	Products that don't fit into any other category. Examples include certain antimicrobial products used in industrial settings, aquatic use products, professional mosquito control products, and anti-fouling paints applied to boats. Examples of antimicrobial uses include water treatment in sewage and wastewater systems, pulp and paper mill systems, and commercial and industrial water cooling systems.
Pool, Spa, and Hot Tub	Products used in swimming pools, spas, and hot tubs (except disinfectants and sanitizers).
Structural	Products include pesticides used in and around structures by professionals.
Turf and Ornamental	Professional use turf and ornamental products and products used on golf course.
Vertebrate Control	Products include avicides, rodenticides, piscicides and animal repellents
Wood Preservatives	Products that protect wood from decay by fungus and insects.

Additional detailed information can be found in a searchable database at:
www.mda.state.mn.us/pesticide-fertilizer/pesticide-use-sales-data.

For Additional Information: Denton Bruening

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2017 Reported Sales

The following table details the total pounds of ai sold in each non-agricultural pesticide category. This data is accurate as of 2/10/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2017
Animal Care	30,189
Disinfectants and Sanitizers	27,532,611
Garden and Lawn	290,576
Home	43,727
Industrial, Right-of-Way, and Forestry	306,479
Miscellaneous	20,296,051
Pool, Spa, and Hot Tub	690,320
Structural	52,462
Turf and Ornamental	759,802
Vertebrate Control	30,117
Wood Preservatives	4,006,426
Total Non-Agricultural Pounds Sold	54,038,760

The following table details the total pounds of ai sold of the top 50 pesticide ai sold in 2017.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (ai)	TOTAL POUNDS SOLD IN 2017
CHLORINE	33,559,533
SODIUM HYPOCHLORITE	8,298,940
ZINC BORATE	2,545,060
PENTACHLOROPHENOL	904,064
ISOPROPYL ALCOHOL	715,957
TRICHLORO-S-TRIAZINETRIONE	713,775
HYDROGEN PEROXIDE	699,913
CALCIUM HYPOCHLORITE	546,533
2,4-D	476,792

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (ai)	TOTAL POUNDS SOLD IN 2017
COPPER OXIDE (OUS)	292,027
SODIUM DICHLORO-S-TRIAZINETRIONE	273,713
CHLOROTHALONIL	234,577
COPPER CARBONATE, BASIC	227,247
AMMONIUM BROMIDE	227,015
GLUTARALDEHYDE	220,644
HYDROGEN CHLORIDE	203,326
AMMONIUM SULFATE	196,178
ETHYL ALCOHOL	157,383
ETHYLENE OXIDE	141,192
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	138,897
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	135,407
PEROXYACETIC ACID	125,517
SODIUM BROMIDE	121,197
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	119,714
UREA	115,592
GLYPHOSATE	111,505
SODIUM CHLORITE	110,728
ALKYL (67%C12, 25%C14, 7%C16, 1%C8,C10,C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	96,062
ENDOTHALL	94,228
BORIC ACID	92,464
POTASSIUM DIMETHYL DITHIO CARBAMATE	87,286
MCP-P	79,167
PHOSPHORIC ACID	78,462
FORMALDEHYDE	75,254
CHROMIC ACID	65,083
DISODIUM OCTABORATE TETRAHYDRATE	62,685
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	55,005

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (ai)	TOTAL POUNDS SOLD IN 2017
DAZOMET	52,892
DIDECYL DIMETHYL AMMONIUM CHLORIDE	51,693
1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN	46,960
4,4-DIMETHYL OXAZOLIDINE	46,212
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	45,835
ARSENIC PENTOXIDE	44,662
TRICLOPYR	40,801
AMMONIA	39,818
MCPA	38,090
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	36,275
DICAMBA	36,031
2,2-DIBROMO-3-NITRILOPROPIONAMIDE	35,663
COPPER SULFATE	34,501

In 2017 MDA received reports of 115,841,812 total pounds of ai sold (agricultural and non-agricultural combined) and non-agricultural pesticide ai accounted for 47% of the total.

- Trends of non-agricultural pesticide sales over time can be developed by data from the searchable database listed above.
- Charts and graphs detailing pesticide sales by percent of product within each category can also be developed by using data from the searchable database.
- Additional questions or comments can be directed to the Minnesota Department of Agriculture, Denton Bruening 651-201-6399.

ⁱ A pesticide is any substance or mixture of substances intended for preventing, destroying, repelling or lessening the damage of any pest and may be a chemical substance or a biological agent.

ⁱⁱ Registrants reporting sales may include products that are distributed or offered for sale in Minnesota as well as actually sold in 2017. Registrants may not know exactly how much of their product was accurately sold at the retail level compared to being available for sale.

ⁱⁱⁱ Formulating chemicals are chemicals that are used in Minnesota in the manufacturing or formulating of end-use products.

^{iv} Data is subject to change based on corrections made to the data or additions from non-reported products.