



Non-Agricultural Pesticide Sales 2024

1/16/2026

For Additional Information

Fertilizer Management Unit

Denton Bruening

625 Robert Street North,

St. Paul, MN 55155-2538

(Phone) 651-261-1993

denton.bruening@state.mn.us

www.mda.state.mn.us/pesticide-fertilizer/pesticide-use-sales-data

In accordance with the Americans with Disabilities Act, this information is available in alternative forms of communication upon request by calling 651-201-6000. TTY users can call the Minnesota Relay Service at 711. The MDA is an equal opportunity employer and provider.

Table of Contents

Contents

Table of Contents	3
Introduction.....	4
2024 Non-Agricultural Pesticide Product Types.....	4
2024 Total Pounds Sold	5
2024 Top 50 Non-Agricultural Pesticide Sales by A.I.....	6

Introduction

The Minnesota Department of Agriculture (MDA) is responsible for monitoring urban (non-agricultural) and rural (agricultural) pesticide use in Minnesota. 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. Pesticides can be herbicides, insecticides or fungicides.

Pesticide registrants provide the MDA the total pounds of non-agricultural active ingredients (a.i.) by product sold in Minnesota each year. Over 500 a.i. are reported through product sales and each product sold is assigned to one of 13 pesticide product type categories. These product type categories group pesticides according to their primary use as listed on the pesticide label. Since a product can only be assigned to one product type category, and many products can be used across multiple product type categories, the amount of pesticide sold by product type category may not reflect the actual use patterns of pesticides in Minnesota. This report details the non-agricultural pesticide products sold in 2024. Registrants reporting sales may include products that are distributed or offered for sale in Minnesota as well as sold in 2024. Registrants may not know exactly how much of their product was accurately sold at the retail level compared to being available for sale. Accordingly, crop pesticides, labeled for use on crops, and formulating pesticides, pesticides that are used in Minnesota in the manufacturing or formulating of end-use products, are not included in this report. The remaining 11 product type categories are shown in the following table.

2024 Non-Agricultural Pesticide Product Types

Table 1: Non-Agricultural pesticide product types and their corresponding definitions.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	DEFINITION
Animal Care	Products used for the care of livestock and household pets.
Disinfectants and Sanitizers	Include all professional use and homeowner use disinfectant and sanitizer products.
Garden and Lawn	Products generally used by homeowners on lawns and gardens.
Home	Products used in the home by the homeowner. Mosquito repellents are included here.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	DEFINITION
Industrial, Rights-of-Way, and Forestry	Products include pesticides used on highway and power line rights of ways, in industrial areas, and forest management products.
Miscellaneous	Products include cooling tower microbiocides and slimicides, industrial preservatives and microbiocides, aquatic use products, professional mosquito control products, anti-fouling paints and products that don't fit into any other category.
Pool, Spa, and Hot Tub	Products for use in swimming pools, spas, and hot tubs (except disinfectants and sanitizers).
Structural	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 rodenticides, avicides, piscicides, and animal repellents.
Wood Preservatives	Products that are designed to protect wood from decay by fungus and insects.

2024 Total Pounds Sold

Table 2 is a breakdown of non-agricultural pesticide by product type and the total pounds of a.i. sold in 2024. The information is accurate as of the date of publication as data may change with corrections and additions from non-reported products. Data is subject to change based on corrections made to the data or additions from non-reported products.

Table 2: Summary of total pounds of a.i. sold in each non-agricultural pesticide type. This data is accurate as of 1/16/2026.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD OF A.I. IN 2024
Animal Care	39,197
Disinfectants And Sanitizers	42,781,758
Garden And Lawn	154,191

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD OF A.I. IN 2024
Home	98,089
Industrial, Rights-of-Way, And Forestry	544,183
Miscellaneous	1,671,515
Pool, Spa, And Hot Tub	415,979
Structural	508,852
Turf And Ornamental	716,309
Vertebrate Control	5,246
Wood Preservatives	3,232,772
Total Non-Agricultural Pounds Sold	50,168,091

2024 Top 50 Non-Agricultural Pesticide Sales by A.I.

Out of the 13 pesticide product type categories, the remaining 11 product type categories of non-agricultural pesticides are broken down and listed by individual non-agricultural pesticide a.i. The top 50 non-agricultural pesticide a.i. are summarized in Table 3 by pounds of a.i. sold in 2024.

Table 3: Summary of total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2024.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (A.I.)	TOTAL POUNDS SOLD IN 2024
CHLORINE	22,359,822
SODIUM HYPOCHLORITE	13,513,867
ZINC BORATE	2,335,039
ISOPROPYL ALCOHOL	1,201,545
HYDROGEN PEROXIDE	924,933
TRICHLORO-S-TRIAZINETRIONE	898,299
ETHYL ALCOHOL (previously reported as Ethanol)	852,604
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	655,074
2,4-D	519,176
COPPER CARBONATE, BASIC	507,476
CALCIUM HYPOCHLORITE	459,550
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	384,691
BORIC ACID	325,451
HYDROGEN CHLORIDE	315,734

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (A.I.)	TOTAL POUNDS SOLD IN 2024
AMMONIUM SULFATE	312,643
GLUTARALDEHYDE	292,101
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	251,050
SODIUM BROMIDE	228,606
PEROXYACETIC ACID	194,324
COPPER OXIDE (OUS)	190,012
PHOSPHORIC ACID	174,111
UREA	170,121
SODIUM DICHLORO-S-TRIAZINETRIONE	164,982
ETHYLENE OXIDE	126,699
COPPER SULFATE	114,605
AMMONIUM CARBAMATE	110,716
GLYPHOSATE	102,436
4,5-DICHLORO-2-N-OCTYL-3(2H)-ISOTHIAZOLONE	102,082
COPPER ETHANOLAMINE COMPLEXES, MIXED	93,120
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	92,809
AMMONIUM BROMIDE	90,736
DIDECYL DIMETHYL AMMONIUM CHLORIDE	87,755
CHLOROTHALONIL	85,750
TRICLOPYR	82,145
DIDECYL DIMETHYL AMMONIUM BICARBONATE	72,204
CHROMIC ACID	69,310
MCPP-P	67,629
FORMALDEHYDE	66,487
DODECYLBENZENE SULFONIC ACID	60,515
LACTIC ACID	56,559
1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN	55,186
NONANOIC ACID	52,972
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	52,313
ARSENIC PENTOXIDE	46,361
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S-TRIAZINE	44,342
DICAMBA	42,567
SILICON DIOXIDE	39,615
SODIUM CHLORITE	38,700
POLY(OXYETHYLENE) (DIMETHYLIMINO) ETHYLENE (DIMETHYLIMINO) ETHYLENE DICHLORIDE	36,558
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	35,333

In 2024 MDA received reports of 150,586,332 total pounds of a.i. sold in all pesticide products. This includes 38,755,310 pounds of formulating products. Formulating products are excluded from the total because they are used to make other products. Thus, formulating products would be double counted with other product type categories. There were 111,831,022 total pounds of a.i. (agricultural and non-agricultural) sold in 2024. Excluding formulating a.i., non-agricultural pesticide a.i. accounted for 50,168,091 pounds or 45% of the total.

- Trends of non-agricultural pesticide pounds of a.i. over time can be developed by data from the searchable database found on MDA's website at:
https://www2.mda.state.mn.us/webapp/lis/chemsold_default.jsp.
- Charts and graphs detailing pesticide sales by percent of product within each product type 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 651-261-1993.
- Report generated on 1/16/2026