

Non-Agricultural Pesticide Sales 2012

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 (a.i.) sold in Minnesota each year. Over 500 a.i.s 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 factsheet details the non-agricultural pesticide products soldⁱⁱ in 2012. 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

Phone 651-201-6399 • Denton.Bruening@state.mn.us • 625 Robert Street North, Saint Paul, MN 55155-2538

2012 Reported Sales

The following table details the total pounds of a.i. sold in each non-agricultural pesticide category. This data is accurate as of 5/28/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2012
Animal Care	27,385
Disinfectants and Sanitizers	35,345,502
Garden and Lawn	351,195
Home	53,360
Industrial, Right-of-Way, and Forestry	413,014
Miscellaneous	2,707,690
Pool, Spa, and Hot Tub	1,406,755
Structural	42,349
Turf and Ornamental	782,653
Vertebrate Control	4,582
Wood Preservatives	3,672,234
Total Non-Agricultural Pounds Sold	44,806,720

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2012.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2012
CHLORINE	16,885,680
SODIUM HYPOCHLORITE	12,349,687
ZINC BORATE	2,032,662
TRICHLORO-S-TRIAZINETRIONE	1,341,864
SODIUM DICHLORO-S-TRIAZINETRIONE	1,297,555
PENTACHLOROPHENOL	1,150,089
CALCIUM HYPOCHLORITE	811,020
HYDROGEN PEROXIDE	609,170
SODIUM BROMIDE	531,795
2,4-D	513,377
ISOPROPYL ALCOHOL	435,684
COPPER OXIDE (OUS)	410,582

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2012
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	408,632
ETHYL ALCOHOL	327,518
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	297,502
HYDROGEN CHLORIDE	290,473
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	244,128
SODIUM CHLORITE	229,516
ETHYLENE OXIDE	225,819
UREA	208,620
AMMONIUM BROMIDE	193,365
GLYPHOSATE	174,995
PEROXYACETIC ACID	156,414
SODIUM CHLORATE	154,445
AMMONIUM SULFATE	139,897
PHOSPHORIC ACID	104,600
COPPER CARBONATE, BASIC	102,421
CHLOROTHALONIL	101,332
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	97,569
MCPA	96,967
TRICLOPYR	91,619
DAZOMET	91,104
MCPP-P	91,017
GLUTARALDEHYDE	90,303
MINERAL OIL	88,410
CHROMIC ACID	84,729
POTASSIUM DIMETHYL DITHIO CARBAMATE	84,196
DIDECYL DIMETHYL AMMONIUM CHLORIDE	84,177
ENDOTHALL	80,995
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	78,016
CITRIC ACID	74,239
BORIC ACID	72,208

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2012
POLY(OXYETHYLENE) (DIMETHYLIMINO) ETHYLENE (DIMETHYLIMINO) ETHYLENE DICHLORIDE	70,269
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	65,040
COPPER SULFATE	62,614
ARSENIC PENTOXIDE	56,675
NONANOIC ACID	47,157
AMMONIA	46,958
4,4-DIMETHYL OXAZOLIDINE	44,986
ALKYL (67%C12, 25%C14, 7%C16, 1%C8,C10,C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	43,528

In 2012 MDA received reports of 120,409,772 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 37% 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 2012. 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.