

Non-Agricultural Pesticide Sales 2011

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 2011. 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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2011 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 5/14/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2011
Animal Care	28,826
Disinfectants and Sanitizers	22,864,051
Garden and Lawn	293,461
Home	59,138
Industrial, Right-of-Way, and Forestry	524,883
Miscellaneous	3,064,906
Pool, Spa, and Hot Tub	1,113,001
Structural	73,491
Turf and Ornamental	579,351
Vertebrate Control	6,948
Wood Preservatives	2,870,553
Total Non-Agricultural Pounds Sold	31,478,609

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2011.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2011
CHLORINE	9,042,965
SODIUM HYPOCHLORITE	7,179,454
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	2,228,875
ZINC BORATE	1,272,066
PENTACHLOROPHENOL	1,128,365
TRICHLORO-S-TRIAZINETRIONE	1,051,780
CALCIUM HYPOCHLORITE	745,022
SODIUM BROMIDE	595,579
HYDROGEN PEROXIDE	456,660
COPPER OXIDE (OUS)	427,490
HYDROGEN CHLORIDE	370,559
2,4-D	370,524

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2011
GLYPHOSATE	368,350
ISOPROPYL ALCOHOL	345,087
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	308,847
ETHYL ALCOHOL	297,343
SODIUM CHLORATE	268,734
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	263,577
SODIUM CHLORITE	230,296
ETHYLENE OXIDE	220,807
SODIUM DICHLORO-S-TRIAZINETRIONE	220,526
AMMONIUM BROMIDE	220,496
3-iodo-2-propynyl butylcarbamate	203,798
AMMONIUM SULFATE	198,394
UREA	148,791
PEROXYACETIC ACID	136,757
COPPER CARBONATE, BASIC	127,691
PHOSPHORIC ACID	107,322
CITRIC ACID	103,629
DAZOMET	91,896
ENDOTHALL	91,782
CHLOROTHALONIL	90,251
GLUTARALDEHYDE	83,518
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	83,107
MCPA	81,644
POTASSIUM DIMETHYL DITHIO CARBAMATE	80,037
MCPP-P	78,767
TRICLOPYR	73,731
MINERAL OIL	70,709
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	69,839
CHROMIC ACID	68,523
DIDECYL DIMETHYL AMMONIUM CHLORIDE	64,532

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2011
COPPER SULFATE	60,455
POLY(OXYETHYLENE) (DIMETHYLIMINO) ETHYLENE (DIMETHYLIMINO) ETHYLENE DICHLORIDE	58,242
PINE OIL	54,257
DIURON	53,021
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	52,135
BORIC ACID	49,527
NONANOIC ACID	49,069
AMMONIA	46,128

In 2011 MDA received reports of 101,398,626 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 31% 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 2011. 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.