

Non-Agricultural Pesticide Sales 2007

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 2007. 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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2007 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 4/25/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2007
Animal Care	33,170
Disinfectants and Sanitizers	35,552,329
Garden and Lawn	474,306
Home	69,512
Industrial, Right-of-Way, and Forestry	409,385
Miscellaneous	2,923,065
Pool, Spa, and Hot Tub	1,441,582
Structural	95,676
Turf and Ornamental	861,681
Vertebrate Control	13,941
Wood Preservatives	3,798,145
Total Non-Agricultural Pounds Sold	45,672,791

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2007.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2007
CHLORINE	18,076,541
SODIUM HYPOCHLORITE	11,907,892
ZINC BORATE	2,248,713
SODIUM DICHLORO-S-TRIAZINETRIONE	1,858,077
TRICHLORO-S-TRIAZINETRIONE	1,474,793
PENTACHLOROPHENOL	966,961
COPPER OXIDE (OUS)	657,664
CALCIUM HYPOCHLORITE	590,472
AMMONIUM BROMIDE	495,432
COPPER SULFATE	397,388
2,4-D	371,939
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	345,664

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2007
SODIUM BROMIDE	324,723
HYDROGEN PEROXIDE	305,549
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	254,528
GLYPHOSATE	252,651
HYDROGEN CHLORIDE	234,881
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	229,084
COPPER	227,375
GLUTARALDEHYDE	197,149
ETHYLENE OXIDE	187,983
SODIUM CHLORITE	147,453
ETHYL ALCOHOL	145,538
PENDIMETHALIN	144,044
MCPA	143,386
PHOSPHORIC ACID	127,715
CHLOROTHALONIL	123,499
LITHIUM HYPOCHLORITE	114,844
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	114,450
DIURON	111,659
DAZOMET	108,467
MCP-P	101,884
ISOPROPYL ALCOHOL	101,266
PEROXYACETIC ACID	95,821
PINE OIL	89,210
PERMETHRIN	82,478
ENDOTHALL	82,195
POTASSIUM DIMETHYL DITHIO CARBAMATE	80,628
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	78,660
DIDECYL DIMETHYL AMMONIUM CHLORIDE	69,593
DISODIUM OCTABORATE TETRAHYDRATE	69,384
FORMALDEHYDE	63,147

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2007
QUINOXYFEN	60,954
TRICLOPYR	58,641
TCMTB	58,147
PCNB	52,506
METHYL BROMIDE	51,899
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	49,654
BORIC ACID	49,363
DIDECYL DIMETHYL AMMONIUM BICARBONATE	47,656

In 2007 MDA received reports of 118,394,899 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 39% 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 2007. 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.