

Non-Agricultural Pesticide Sales 2006

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 2006. 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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2006 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 5/8/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2006
Animal Care	40,218
Disinfectants and Sanitizers	29,369,536
Garden and Lawn	643,924
Home	160,487
Industrial, Right-of-Way, and Forestry	467,963
Miscellaneous	2,508,423
Pool, Spa, and Hot Tub	923,903
Structural	96,663
Turf and Ornamental	866,224
Vertebrate Control	26,299
Wood Preservatives	3,940,120
Total Non-Agricultural Pounds Sold	39,043,760

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2006.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2006
CHLORINE	13,342,659
SODIUM HYPOCHLORITE	11,855,211
ZINC BORATE	2,667,411
TRICHLORO-S-TRIAZINETRIONE	958,097
SODIUM DICHLORO-S-TRIAZINETRIONE	917,595
PENTACHLOROPHENOL	739,204
CALCIUM HYPOCHLORITE	632,188
AMMONIUM BROMIDE	530,573
2,4-D	498,709
SODIUM BROMIDE	420,009
COPPER OXIDE (OUS)	376,231
HYDROGEN CHLORIDE	243,569

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2006
MCPA	235,846
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	224,023
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	218,063
HYDROGEN PEROXIDE	212,799
GLYPHOSATE	192,607
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	183,493
GLUTARALDEHYDE	180,000
PENDIMETHALIN	178,386
ETHYL ALCOHOL	176,418
SODIUM CHLORITE	165,076
ETHYLENE OXIDE	161,903
COPPER SULFATE	141,517
PINE OIL	138,957
MCPP-P	136,489
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	131,770
ISOPROPYL ALCOHOL	129,695
PHOSPHORIC ACID	123,206
PERMETHRIN	117,455
DIURON	111,494
CHLOROTHALONIL	111,098
TRICLOPYR	100,623
DIDECYL DIMETHYL AMMONIUM BICARBONATE	87,432
PEROXYACETIC ACID	71,945
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	67,452
CHROMIC ACID	66,893
BORIC ACID	65,617
NABAM	63,505
SODIUM DIMETHYL DITHIO CARBAMATE	63,505
DIDECYL DIMETHYL AMMONIUM CHLORIDE	61,432
POTASSIUM DIMETHYL DITHIO CARBAMATE	59,248

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2006
PCNB	56,512
METHYL BROMIDE	55,072
QUINOXYFEN	54,959
SODIUM TETRABORATE (PENTAHYDRATE)	54,476
DAZOMET	52,605
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	51,769
TCMTB	51,169
ARSENIC PENTOXIDE	47,391

In 2006 MDA received reports of 95,049,192 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 41% 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 2006. 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.