

Non-Agricultural Pesticide Sales 2009

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 2009. 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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2009 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 5/9/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2009
Animal Care	18,909
Disinfectants and Sanitizers	24,008,211
Garden and Lawn	485,570
Home	56,149
Industrial, Right-of-Way, and Forestry	574,854
Miscellaneous	2,109,706
Pool, Spa, and Hot Tub	949,600
Structural	70,210
Turf and Ornamental	789,564
Vertebrate Control	11,227
Wood Preservatives	2,845,063
Total Non-Agricultural Pounds Sold	31,919,062

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2009.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2009
CHLORINE	10,875,911
SODIUM HYPOCHLORITE	7,452,889
SODIUM DICHLORO-S-TRIAZINETRIONE	1,676,571
ZINC BORATE	1,396,000
PENTACHLOROPHENOL	1,044,225
TRICHLORO-S-TRIAZINETRIONE	889,491
CALCIUM HYPOCHLORITE	723,338
2,4-D	440,423
COPPER SULFATE	414,519
HYDROGEN CHLORIDE	408,577
SODIUM BROMIDE	364,623
HYDROGEN PEROXIDE	340,327

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2009
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	307,845
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	294,583
ISOPROPYL ALCOHOL	279,820
GLYPHOSATE	263,714
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	259,889
COPPER OXIDE (OUS)	245,213
AMMONIUM BROMIDE	223,568
ETHYL ALCOHOL	213,648
CHLOROTHALONIL	199,797
ETHYLENE OXIDE	195,871
POTASSIUM DIMETHYL DITHIO CARBAMATE	154,130
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	153,259
PROMETON	145,050
PENDIMETHALIN	124,557
MCPA	115,391
MCPP-P	107,051
SODIUM CHLORITE	104,512
PHOSPHORIC ACID	101,485
PEROXYACETIC ACID	101,045
COPPER CARBONATE, BASIC	100,104
DIURON	95,851
TRICLOPYR	93,909
ZINC NAPHTHENATE	86,245
GLUTARALDEHYDE	84,591
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	77,715
DIDECYL DIMETHYL AMMONIUM CHLORIDE	69,807
PINE OIL	64,353
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	63,198
1,4-BIS (BROMOACETOXY)-2-BUTENE	55,387
CHROMIC ACID	49,830

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2009
ENDOTHALL	46,899
NONANOIC ACID	46,018
DAZOMET	45,662
METHYL BROMIDE	39,994
DIQUAT	38,663
TCMTB	37,179
DICAMBA	36,469
4,4-DIMETHYL OXAZOLIDINE	35,606

In 2009 MDA received reports of 91,769,757 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 2009. 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.