

Non-Agricultural Pesticide Sales 2010

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 2010. 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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2010 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 2010
Animal Care	29,113
Disinfectants and Sanitizers	24,008,211
Garden and Lawn	322,769
Home	51,606
Industrial, Right-of-Way, and Forestry	768,354
Miscellaneous	2,096,218
Pool, Spa, and Hot Tub	2,099,323
Structural	38,327
Turf and Ornamental	652,189
Vertebrate Control	11,081
Wood Preservatives	3,325,012
Total Non-Agricultural Pounds Sold	33,402,206

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2010.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2010
SODIUM HYPOCHLORITE	9,239,055
CHLORINE	8,418,295
SODIUM DICHLORO-S-TRIAZINETRIONE	1,840,137
ZINC BORATE	1,699,284
TRICHLORO-S-TRIAZINETRIONE	1,669,994
PENTACHLOROPHENOL	978,461
CALCIUM HYPOCHLORITE	871,976
GLYPHOSATE	724,587
SODIUM BROMIDE	588,830
HYDROGEN CHLORIDE	583,002
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	464,000
2,4-D	404,620

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2010
HYDROGEN PEROXIDE	376,658
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	357,532
ISOPROPYL ALCOHOL	345,273
COPPER OXIDE (OUS)	341,492
COPPER CARBONATE, BASIC	295,655
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	279,841
AMMONIUM BROMIDE	270,204
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	228,227
ETHYL ALCOHOL	214,394
ETHYLENE OXIDE	200,289
SODIUM CHLORITE	170,102
PHOSPHORIC ACID	128,143
PEROXYACETIC ACID	111,483
GLUTARALDEHYDE	95,319
DAZOMET	90,819
CHLOROTHALONIL	89,407
MCPA	85,348
MCPP-P	84,315
ENDOTHALL	82,547
POTASSIUM DIMETHYL DITHIO CARBAMATE	76,432
CHROMIC ACID	76,250
COPPER SULFATE	76,005
DIDECYL DIMETHYL AMMONIUM CHLORIDE	65,489
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	65,204
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	62,961
BORIC ACID	61,131
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	58,784
PERMETHRIN	56,489
TRICLOPYR	55,540
CITRIC ACID	54,467

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2010
ARSENIC PENTOXIDE	52,144
MINERAL OIL	47,886
4,4-DIMETHYL OXAZOLIDINE	47,264
TCMTB	45,233
AMMONIA	44,550
PINE OIL	43,988
1,4-BIS (BROMOACETOXY)-2-BUTENE	39,841
ALKYL (67%C12, 25%C14, 7%C16, 1%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	33,770

In 2010 MDA received reports of 98,650,675 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 34% 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 2010. 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.