

Non-Agricultural Pesticide Sales 2014

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 2014. 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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2014 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 5/28/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2014
Animal Care	38,769
Disinfectants and Sanitizers	37,625,355
Garden and Lawn	270,476
Home	74,049
Industrial, Right-of-Way, and Forestry	533,274
Miscellaneous	2,172,377
Pool, Spa, and Hot Tub	795,975
Structural	22,054
Turf and Ornamental	1,673,306
Vertebrate Control	4,098
Wood Preservatives	3,986,793
Total Non-Agricultural Pounds Sold	47,196,526

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2014.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2014
CHLORINE	20,240,193
SODIUM HYPOCHLORITE	13,076,052
ZINC BORATE	2,429,000
PENTACHLOROPHENOL	1,083,600
MINERAL OIL	943,482
HYDROGEN PEROXIDE	757,583
CALCIUM HYPOCHLORITE	719,066
TRICHLORO-S-TRIAZINETRIONE	667,364
2,4-D	527,787
GLYPHOSATE	370,850
ISOPROPYL ALCOHOL	340,895
ETHYL ALCOHOL	327,174

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2014
COPPER OXIDE (OUS)	304,811
PEROXYACETIC ACID	280,034
HYDROGEN CHLORIDE	277,235
SODIUM BROMIDE	265,866
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	262,065
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	208,267
AMMONIUM SULFATE	189,476
AMMONIUM BROMIDE	189,242
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	188,818
ETHYLENE OXIDE	170,990
COPPER CARBONATE, BASIC	150,560
GLUTARALDEHYDE	150,276
SODIUM CHLORITE	142,759
SODIUM DICHLORO-S-TRIAZINETRIONE	142,297
PHOSPHORIC ACID	118,962
MCPP-P	108,461
POTASSIUM DIMETHYL DITHIO CARBAMATE	98,396
CHLOROTHALONIL	89,757
BORIC ACID	87,729
MCPA	85,098
UREA	82,236
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	76,960
DIDECYL DIMETHYL AMMONIUM CHLORIDE	73,397
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	73,070
DIDECYL DIMETHYL AMMONIUM BICARBONATE	69,284
DAZOMET	65,301
POLY(OXYETHYLENE) (DIMETHYLIMINO) ETHYLENE (DIMETHYLIMINO) ETHYLENE DICHLORIDE	64,282
ALKYL (67%C12, 25%C14, 7%C16, 1%C8,C10,C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	60,408
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	59,460

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2014
COPPER TRIETHANOLAMINE COMPLEX	59,008
DEET	54,474
ENDOTHALL	54,280
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	50,537
CHROMIC ACID	50,511
COPPER ETHANOLAMINE COMPLEXES, MIXED	45,174
DICAMBA	41,138
ARSENIC PENTOXIDE	39,865
TRICLOPYR	38,560

In 2014 MDA received reports of 116,028,935 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 2014. 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.