

Non-Agricultural Pesticide Sales 2015

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 2015. 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

Phone 651-201-6399 • Denton.Bruening@state.mn.us • 625 Robert Street North, Saint Paul, MN 55155-2538

2015 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 2/28/2019^{iv}.

NON-AGRICULTURAL PESTICIDE PRODUCT TYPE	TOTAL POUNDS SOLD IN 2015
Animal Care	34,465
Disinfectants and Sanitizers	39,615,940
Garden and Lawn	248,153
Home	53,243
Industrial, Right-of-Way, and Forestry	363,538
Miscellaneous	2,009,818
Pool, Spa, and Hot Tub	663,176
Structural	28,208
Turf and Ornamental	702,190
Vertebrate Control	12,307
Wood Preservatives	3,719,791
Total Non-Agricultural Pounds Sold	47,450,829

The following table details the total pounds of a.i. sold of the top 50 pesticide a.i. sold in 2015.

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2015
CHLORINE	20,361,203
SODIUM HYPOCHLORITE	14,300,358
ZINC BORATE	2,295,000
PENTACHLOROPHENOL	981,189
TRICHLORO-S-TRIAZINETRIONE	876,980
CALCIUM HYPOCHLORITE	722,651
HYDROGEN PEROXIDE	528,023
2,4-D	469,289
ISOPROPYL ALCOHOL	430,569
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	377,178
ETHYL ALCOHOL	352,024
SODIUM DICHLORO-S-TRIAZINETRIONE	338,126

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2015
SODIUM BROMIDE	265,539
HYDROGEN CHLORIDE	260,445
COPPER OXIDE (OUS)	254,225
AMMONIUM SULFATE	215,728
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	183,512
AMMONIUM BROMIDE	180,694
ETHYLENE OXIDE	173,517
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	162,522
PEROXYACETIC ACID	159,188
GLYPHOSATE	140,276
COPPER CARBONATE, BASIC	129,652
CHLOROTHALONIL	125,781
PHOSPHORIC ACID	117,086
GLUTARALDEHYDE	115,422
SODIUM CHLORITE	109,159
BORIC ACID	100,262
POTASSIUM DIMETHYL DITHIO CARBAMATE	98,097
ENDOTHALL	94,789
MCPA	94,309
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	86,645
DAZOMET	85,563
MCPP-P	84,616
UREA	83,595
NONANOIC ACID	83,150
DIDECYL DIMETHYL AMMONIUM CHLORIDE	80,645
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	75,952
TRICLOPYR	72,574
ALKYL (67%C12, 25%C14, 7%C16, 1%C8,C10,C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	71,676
CHROMIC ACID	64,783
COPPER SULFATE	61,396

NON-AGRICULTURAL PESTICIDE ACTIVE INGREDIENT (a.i.)	TOTAL POUNDS SOLD IN 2015
BACILLUS THURINGIENSIS, SUBSP. ISRAELENIS, STRAIN AM 65-52	55,844
MINERAL OIL	54,679
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	48,036
ARSENIC PENTOXIDE	44,464
FORMALDEHYDE	43,556
1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN	41,636
AMMONIA	41,594
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	41,110

In 2015 MDA received reports of 119,939,971 total pounds of a.i. sold (agricultural and non-agricultural combined) and non-agricultural pesticide a.i. accounted for 40% 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 2015. 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.