



RETAIL PESTICIDE SALES REPORT

21 September 2015

Communities, Land
and Environment

Each year, retail stores must report sales of both domestic (controlled-purchase only) and non-domestic pesticides to the Department of Communities, Land and Environment. The following information is based on sales that occurred during the 2013 and 2014 calendar year.

Domestic Pesticides

Domestic pesticides are intended for use by the public in or around their home. They are packaged in small containers. They are intended for a single application or a single use season. Domestic pesticides pose little risk to users or the environment when the directions on the label are followed.

There are two kinds of domestic pesticides sold in Prince Edward Island. Self-select pesticides can be purchased off the shelf at retail stores. Controlled-purchase pesticides are kept behind the counter. They are often sold in larger packages or have active ingredients that require more care and consideration for use. Only the sale of controlled-purchase domestic pesticides must be reported by retailers.

Retail Sales of Controlled Purchase Domestic Pesticides		
Pesticide Type	Amount Sold (kilogram of active ingredient)	
	2013	2014
Herbicide	40	32
Insecticide	263	337
Fungicide	11	17
Other ¹	240	596
Total	554	982

¹ this includes combination products (i.e. insecticide / fungicide), rodenticides, animal and bird repellents, disinfectant, and preservatives

Non-Domestic Pesticides

Non-domestic includes all kinds of pesticides, except domestic pesticides. This includes commercial, restricted, and manufacturing pesticides. Non-domestic pesticides are used in agriculture, forestry, industry and other commercial operations (e.g. lawn care by commercial companies).

Non-domestic pesticides can pose greater risk to the applicator and the environment due to the type of active ingredient, its concentration, or other factors. As a result, non-domestic pesticides can only be used by a certified applicator.

Retail Sales of Non-Domestic Pesticides		
Pesticide Type	Amount Sold (kilogram of active ingredient)	
	2013	2014
Herbicide	158,114	161,536
Insecticide	222,124	190,376
Fungicide	766,805	647,627
Other ²	15,574	19,758
Total	1,162,617	1,019,297

² this includes combination products (i.e. insecticide / fungicide), rodenticides, animal and bird repellents, disinfectant, and preservatives

Retail Sales of Non-Domestic Pesticides by Active Ingredient ³		
Active Ingredient	Amount Sold (kilogram)	
	2013	2014
2,4-D	1,605	1,844
atrazine	2,114	2,870
azoxystrobin	1,229	1,952
boscalid	1,822	1,771
captan	1,640	1,040
carbathiin	1,083	2,319
chlorantraniliprole	1,187	1,382
chlorothalonil	141,457	140,491
chlorpropham	531	1,028
chlorpyrifos	788	741
clethodim	804	834
clothianidin	879	1,322
copper hydroxide	1,647	1,423
cymoxanil	197	536
diazinon	455	247
dimethoate	4,296	2,376
diquat	16,284	22,409
fenamidone	1,179	816
flonicamid	1,202	1,138
fluazifop-p-butyl	813	711
fluazinam	616	1,596
fludioxonil	567	693
glyphosate	52,351	57,696
hexazinone	6,619	7,627
imidacloprid	3,453	3,919
linuron	31,625	27,528
maleic hydrazide	5,122	3,700
mancozeb	424,457	303,957
mandipropamid	748	1,380
MCPA	21,442	18,361
metalaxyl-M and S-isomer	2,014	1,982
metiram	43,565	39,535
s-metolachlor	2,994	2,249
metribuzin	6,284	9,528
mineral oil	175,987	140,961
mono- and di-basic sodium, potassium, and ammonium phosphites	5,810	7,749
mono- and di-potassium phosphite	124,992	124,733
phorate	21,945	27,557

³ Active ingredients with sales less than 1,000 kg are not included

phosmet	8,222	6,796
propiconazole	1,892	1,591
propyzamide	1,621	1,673
pyraclostrobin	2,084	1,981
rimsulfuron	4,600	276
surfactant blend	8,264	12,617
terbacil	1,652	2,025
thiabendazole	865	604
thiophanate-methyl	5,184	5,988
thiram	965	2,060
tribenuron-methyl	1,218	42
trifuralin	1,021	944
all other active ingredients	13,226	14,699
TOTAL	1,162,617	1,019,297

NOTE: Due to the wide variance in properties among pesticides, the amount of active ingredient is only one factor of many that needs to be considered when assessing risk. Other factors, such as the product toxicity, exposure patterns, exposure amounts, chemical family, and individual susceptibility, must also be considered. It is important to remember that all pesticides must undergo a thorough scientific review prior to being registered by Health Canada for use in Canada.