



Clean Annapolis River Project

Pesticide Inventory Municipal Sector Fact Sheet

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Methodology

The use of herbicides, insecticides, fungicides, rodenticides as well as swimming pool and wastewater disinfectants on watershed municipal grounds was examined. All rural municipalities, town councils and villages in the watershed were contacted and asked to provide information on the use of pesticides on municipal grounds over the last year.

These included:

- Municipality of the County of Annapolis
- Municipality of the County of Kings
- Municipality of the District of Digby
- Town of Annapolis Royal
- Town of Bridgetown
- Town of Digby
- Town of Middleton
- Village of Aylesford
- Village of Greenwood
- Village of Kingston
- Village of Lawrencetown

Results

Data were collected from all eleven rural municipalities, town councils and villages. From this, it was calculated that approximately 6,596kg of active ingredients were applied by municipalities over a one year period. This corresponds to approximately 12% of total pesticide use in the watershed.

Two of eleven municipalities, towns and villages did not apply any type of pesticide.



The majority of pesticides applied (93% or 6,139kg) were wastewater disinfectants. Six of the thirteen wastewater treatment plants in the watershed disinfect using chlorine. The remaining seven plants use ultra-violet light.

The remaining 7% of pesticides applied were swimming pool disinfectants. Five towns and villages in the watershed have outdoor public swimming pools that operate during the summer. Of the two disinfectants used, sodium hypochlorite was applied in greater quantity (266.74kg), followed by calcium hypochlorite (190.45kg).



Minute amounts of herbicides and insecticides (< 1 kg) were used for spot treatment on the grounds of some municipalities, towns and villages.