



# Clean Annapolis River Project

## Pesticide Inventory

### Large Facilities & Institutions Sector Fact Sheet

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### Methodology

The following facilities and institutions in the watershed were contacted and asked to provide information on pesticide use in the last year:

- District Health Authority
- Regional School Board
- Community College campuses
- Department of National Defence
- Parks Canada
- six golf courses
- Department of Transportation and Public Works
- Nova Scotia Power
- an amusement park

### Results

Of the fifteen facilities and institutions contacted, pesticide use information was obtained from thirteen. Of the thirteen facilities and institutions that responded, six reported not using any type of pesticide while the remaining seven applied a total of 563.67kg of active ingredients.



#### Golf Courses

Of all the active ingredients applied in this sector, 76% were applied on golf courses. Through interviews with greens superintendents, it was determined that fungicides were used most frequently, followed by herbicides then insecticides.

Four golf courses participated in the inventory. The use intensity of pesticides on these four courses was calculated to be approximately 5.65kg of active ingredients per hectare. As fungicides were the most commonly used pesticide type by a significant margin and their application

was normally limited to greens, the use intensity of fungicides on greens was also calculated. It was determined to be 74.27kg of active ingredients per hectare. Use intensity figures demonstrate that although pesticide application on golf courses accounts for less than one percent total pesticide application in the watershed, the use intensity of pesticides on golf courses is quite elevated.

#### Other Facilities & Institutions

The remaining three facilities and institutions participating in the inventory applied 134.18kg of active ingredients, all of which were herbicides used either for the removal of weeds on hard surfaces such as walkways and parking lots or on cut stumps. Herbicide application on cut stumps is a practice commonly used to eliminate or significantly reduce the re-sprouting of cut trees.



#### Commonly Applied Active Ingredients

Based on data obtained from the thirteen participating facilities and institutions, the active ingredients applied in greatest quantities were chlorothalonil, a fungicide used on golf courses, as well as 2,4-D and mecoprop, two herbicides used to kill weeds.

