



Clean Annapolis River Project

Pesticide Inventory Forestry Sector Fact Sheet

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Pesticide Use in Forestry

Pesticides, or more specifically herbicides, are used to control the growth of unwanted vegetation such as shrubs, woody vegetation, herbaceous vegetation and trees in managed forested stands.

Methodology

Data on pesticide use in forestry was gathered from the Environmental Registry of the Nova Scotia Department of Environment and Labour (NSDOEL). In order to apply pesticides on forested land, the NSDOEL must grant approval for pesticide application. Copies of approvals are accessible through the NSDOEL's Environmental Registry. Information was received for pesticide application approvals in 2002, 2003 and 2004 for Annapolis, Kings and Digby Counties.

Results

Environmental Registry records indicated that 1,857kg of active ingredients were applied in the year 2004. This corresponds to approximately 3% of the total amount of active ingredients applied in the watershed. All pesticides applied were herbicides.

Active Ingredients

Two active ingredients were used, glyphosate and triclopyr. Glyphosate was used in 96.5% (1,792kg) of herbicide applications whereas triclopyr was used in the remaining 3.5% (65kg) of applications.

Application method

A total of 1,068.20ha were treated with herbicides in the watershed in 2004. Of this amount, 5.92% (63.25ha) were ground applications, whereas the remaining 94.08% (1,004.95ha) were aerial applications.

Use intensity

A total of 1,856.78kg of active ingredients were applied to 1,068.20ha, resulting in an average use intensity of 1.74kg of active ingredients per hectare.

