

Pesticides currently registered by Health Canada (PMRA) for control of Hemlock Woolly Adelgid in Nova Scotia

(Fully registered or currently registered under Emergency Use)

Summary Table prepared by Dan Lavigne, Manager Risk Services, Nova Scotia Department of Natural Resources, Fleet and Forest Protection Division – Aug. 25, 2023

Product Name	Common Name	Classification of Pesticide	Mode of Action	Equipment used for application	Type of Application	Appl. Rate (AI per cm DBH)	Annual Limit	Cost of product ¹ (CDN\$)	Cost of product/cm DBH	Cost of product for 40 cm DBH tree	No. of years of protection	Product Uptake in tree
Xytect 2F	Imidacloprid	Commercial (Emerg. Use)	Systemic	Backpack sprayer	Basal bark application	1.16 mL	1.9 L/ha/yr. (1638 cm)	\$75 per L	\$0.087	\$3.48	5-7	6-9 months
Starkle 20SG	Dinotefuran	Commercial (Emerg. Use)	Systemic	Backpack sprayer	Basal bark application	3.52 mL	3025 g/ha/yr. (2545 cm)	\$81.60 per 1000g	\$0.097	\$3.88	1-2	3-4 weeks
IMA-jet 5%	Imidacloprid	Commercial	Systemic	EcoJect, CHEMJET	Tree injection	5% 1.6 mL	No Limit	5% \$215 per L	5% \$0.344	5% \$13.76	4-5	6-9 months
IMA-jet 10%	Imidacloprid	Commercial	Systemic	QUIK-jet AIR, CHEMJET	Tree injection	10% 0.8 mL	No Limit	10% \$428 per L	10% \$0.342	10% \$13.68	4-5	6-9 months
TreeAzin	Azadiractin	Commercial	Systemic	EcoJect, CHEMJET	Tree injection	3 mL	No Limit	\$600 per L	\$1.80	\$72.00	1-2	3 months

¹ **Please note:** Costs may vary.

<u>Product</u>	<u>Manufacturer/Supplier</u>	<u>Manufacturer Web Site</u>
Xytect 2F	Rainbow Ecoscience	https://www.rainbowecoscience.com/
Starkle 20SG	Belchim Crop Protection Canada	https://www.belchimcanada.com/index.html
IMA-jet	Arborjet Canada	https://arborjet.ca/
TreeAzin	Lallemand Plant Care	https://bioforest.ca/en/canada/product-details/treeazin-systemic-insecticide/