



Woolly Adelgid Control



STARKLE INSECTICIDE

Starkle® is a systemic insecticide that has received emergency use registration in Canada for control of Hemlock Woolly Adelgid in Hemlock trees in Ontario and Nova Scotia.

The active ingredient in Starkle is Dinotefuran which is registered in many countries for use on food crops and control of invasive insects.





Once applied to the bark, research has shown Starkle insecticide penetrates the cambium of the tree and is quickly transported throughout the stem.

Early control could be evident within two weeks of application. Starkle can stay active in the stem for 24 months depending on climate conditions and dosage.

TECHNICAL INFORMATION

For use on: Hemlock

Active Ingredient: Dinotefuran

Formulation: Water Soluble Granules

Packaging: 500 gram bottle

IRAC Group: 4 Insecticide

Key pests: Hemlock Woolly Adelgid

APPLICATION INFORMATION

Pest	Recommendations	REI	Rate
Hemlock Woolly Adelgid	<p>When mixing large batches of product, it is recommended to pre-dissolve the required product in a smaller container then add the solution to mix tank and thoroughly mix the solution.</p> <p>Applications should be made to the bark between 10 cm and 1.4 meters above the ground when hemlocks are actively growing and transporting water in the xylem. (March to November)</p> <p>The entire circumference of the stem should be treated using a low pressure of 20 psi or less to avoid drift or back-splash. Do not allow solution to run off bark or contact soil.</p> <p>Starkle mixes easily with water. No other penetrant or additional surfactant is required when mixing and applying Starkle.</p>	When dry	<p>67.5 g of product / L water (13.5 grams a.i. / L or water)</p> <p>When applied to the point of runoff, 3.78 L of spray solution should treat approx. 1.6 – 2 m of cumulative trunk diameter. (calibrated flow rate should deliver 44 – 60 mL of spray solution per 2.5 cm of trunk diameter for suitable coverage or</p> <p>5 L of spray solution should treat approximately 2.1 to 2.8 m</p> <p>DO NOT exceed more than 1 application / yr.</p> <p>MAXIMUM 3025 grams STARKLE 20SG / ha / yr. (605 g of a.i. / ha / yr.)</p>

Always read and follow label directions

Starkle® Insecticide is a registered trademark of Mitsui Chemical Company