



**Cornell University
Cooperative Extension
Onondaga County**

The Atrium, Suite 170
2 Clinton Square
Syracuse, NY 13202
Telephone: 315.424.9485
Fax: 315.424.7056
E-mail: onondaga@cornell.edu
www.ExtendOnondaga.org

Systemic Insecticides available for Treatment of Hemlock Woolly Adelgid (HWA) in New York State

If you have identified HWA on your trees don't panic! You have time to act. In many cases even trees that have thin canopies can be brought back to full health. The following systemic insecticides are approved for use in New York State to treat HWA infested trees. We recommend consulting a licensed arborist and registered pesticide applicator to save your trees.

Active Ingredient	Mode	Additional info	Time of Application	Efficacy
Homeowner Application				
Imidacloprid	Soil drench	<ul style="list-style-type: none"> Should not be applied within 75 feet of any water body 	Spring application is preferable or apply in fall. Apply when soils are moist.	Up to 7 years
Restricted Use – requires a NYS registered pesticide applicator				
Imidacloprid	Time-release soil tablets (Core Tect)	<ul style="list-style-type: none"> Releases over a two year period Should not be applied within 75 feet of any water body 	Spring application is preferable or apply in fall. Apply when soils are moist.	Up to 7 years
Imidacloprid	Soil injection	<ul style="list-style-type: none"> Should not be applied within 75 feet of any water body 		Up to 7 years
Imidacloprid	Trunk injection	<ul style="list-style-type: none"> For treatment along shorelines 		Up to 7 years
Imidacloprid	Basal bark spray	<ul style="list-style-type: none"> For treatment along shorelines Use in conjunction with the fast acting Dinotefuran basal bark spray with large trees or on trees with a deteriorated canopy. 		Up to 7 years
Dinotefuran (Safari)	Basal bark spray	<ul style="list-style-type: none"> For treatment along shorelines Rapid uptake into the canopy Use in conjunction with Imidacloprid for long-term protection 		1 year

Other considerations

- After pesticide application, trees do not need to be retreated until HWA appears on them again.
- Imidacloprid moves slowly through the tree. You may not see signs that it is working for up to one year after application but it remains effective for 7 years or more. Use in conjunction with the fast acting Dinotefuran basal bark spray with large trees or on trees with a deteriorated canopy.
- Core Tect tablets remain in the soil for two years. Although they are below soil surface, pets that dig in the soil should avoid the area.

Adapted from *The Hemlock Woolly Adelgid in the Finger Lakes, an Update*, Mark Whitmore, Forest Entomologist, Department of Natural Resources, Cornell University

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