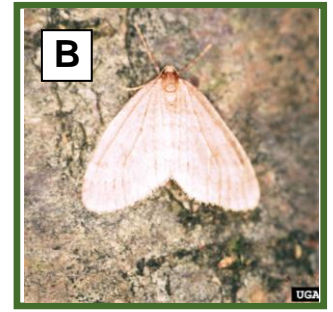
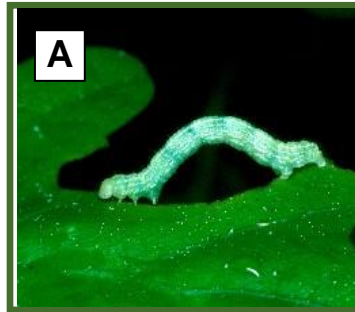


Winter Moth, an introduced pest causes severe defoliation in hardwood trees. Winter Moth is appropriately named since adult moths can be active from November through January. Larvae feed early on developing leaves and severe infestations will defoliate trees. In June they drop to the ground to pupate in the soil until fall. Canadian research has shown 4 consecutive years of defoliation can lead to tree mortality.



PHOTOS:

A: Larval stage Winter Moth (caterpillar)

B: Adult stage Winter Moth (moth)

C: Leaf defoliation caused by Winter Moth larvae

Photos from Forestry Images forestryimages.org

Photo A taken by Louis-Michel Nageleisen, Département de la Santé des Forêts – France. Photos B and C taken by Hannes Lemme.

WHAT TO DO:

Arborjet recommends a well timed trunk Micro-infusion™ using [ACE-jet](#) with the [Tree I.V. system](#) using the [VIPER method](#) when caterpillars are present. [ACE-jet](#) is compatible with the micro-elements [MIN-jet IRON](#), [MIN-jet Calcium](#) and [MIN-jet Manganese](#) for a 2 in 1 application. Select the [Tree I.V. system](#) using either the [VIPER method](#) or [STINGER method](#). The Tree I.V. system enables the arborist or tree custodian to rapidly inject a precise dose of medicament directly into the xylem tissue, assuring a quick plant response.

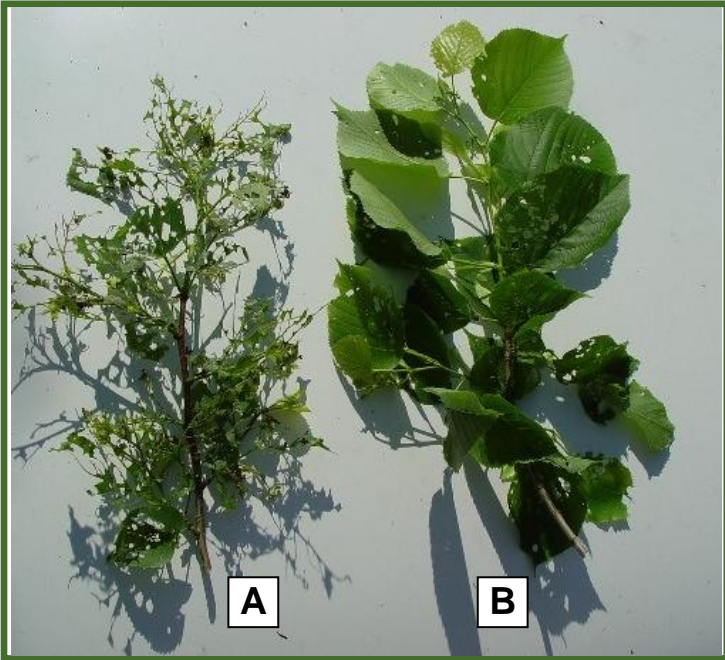
WHEN TO DO IT:

Generally, the best seasons for Micro-infusion™ are fall and spring. Uptake occurs when trees are transpiring. The environmental conditions that favor uptake are moderate temperatures, adequate soil moisture, and high humidity. Soil temperature should be above 40 degrees for Micro-infusion™. Tree health will influence uptake time. Generally, hot weather or dry soil conditions will result in a reduced rate of uptake. If treating trees in the summer, micro-infuse in the morning for the quickest uptake. A dying tree is a poor candidate for treatment. It is the responsibility of the arborist or tree custodian to assess tree health and its potential for recovery before undertaking treatment.

Use [ACE-jet](#) in the spring, when caterpillars or damage first appears. Timing is critical as [ACE-jet](#) will only remain active in the tree for approximately 2-4 weeks.

WHAT WILL HAPPEN:

ACE-jet micro-infusion in the spring will uptake very quickly and caterpillars will die rapidly. Monitor trees annually to determine the need for a repeat treatment. Arborjet is currently working to register a new insecticide for leaf chewing insects. This new insecticide will have a residual in the tree for several years. Call Arborjet for more details at 1-866-ARBORJT.



PHOTOS:

Above: Linden on left (A) was untreated, and Linden on the right (B) was treated with ACE-jet using the Tree I.V.
Top Right: Infested Linden treated with ACE-jet with the Tree I.V. shows new foliage growth after treatment.
Bottom Right: Healthy maple with no Winter Moth damage
Images taken by: Arborjet Inc. research, and Anette Linnea Rasmussen – fotolia.com

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99 Blueberry Hill Road, Woburn, MA 01801

1-866-ARBORJT or 1-866-272-6758 www.arborjet.com