

# Emerald Ash Borer is killing millions of ash trees throughout the United States! Take action NOW to protect your trees.

## What is EAB?

The Emerald Ash Borer is a small (1/2" long, 1/8" wide) metallic green beetle native to Asia. Though it was first discovered in Michigan in 2002, it was likely that a beetle population had been established in the Detroit area for many years prior. More than 15 million ash trees have died since its discovery!



Larva



Emerald Ash Borer

## How do I know if my tree has been infested?

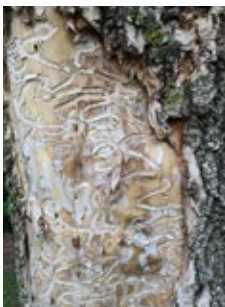
Visible signs of infestation include:



Crown dieback



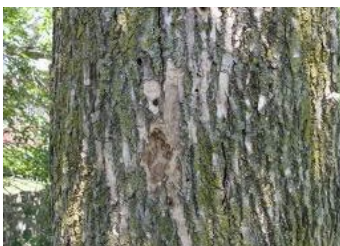
Epicormic branching  
or suckers



Serpentine galleries



D-shaped exit holes



Increased woodpecker  
activity or damage

## How to best treat?

Professionally applied insecticides can effectively and consistently protect even very large ash trees from EAB, even under intense pressure. However, unnecessary insecticide applications waste money. EAB infestations are very difficult to detect when populations are low, but once EAB has been detected within 10-15 miles, your trees may be at risk. Be aware of the status of EAB in your location.

## When to best treat?

Use of insecticides to control EAB require treatment during active growing periods of the tree (late April through September) to be effective. However, the optimal timing for best control of EAB is during the spring (mid-April through June). Timely treatment with proper products can successfully protect Ash trees from EAB but it is important to note that treatments are only good for a certain period of time and will require future treatments until the EAB population pressure has diminished. It is recommended that this regimen be considered for the healthiest and most valuable or sentimental ash trees.

## Why Tree injection?

Tree injection is scientifically proven to improve tree health and create a systemic-acquired resistance. Currently, it is considered the most environmentally-friendly method known and is safe around pets, children and aquatic areas. It is an eco-friendly, target specific method allowing for precise dosage and delivery of pesticide, and uses far lower levels of active ingredients. Tree injection is (1) a reliable long-term control, (2) available for use at any time during the growing season, and (3) ensures a higher level of fast-acting active ingredient available to the tree, providing a superior level of control compared to other methods. Optimal performance for tree injection relies on a relatively healthy vascular system, supportive environmental conditions and well irrigated soil. Drought stress and other environmental pressures can inhibit uptake and transport of systemic insecticides. Supplemental irrigation will be needed during dry periods prior to application.



**BRANDT® enTREE® EB**

# Emerald Ash Borer Protection

## Why BRANDT enTREE?

Brandt enTREE is a revolutionary technology that makes treating trees easier than ever. Using lower pressure micro tree injection, Brandt enTREE treats trees from the inside, gently dispersing insect/disease control chemistries into the tree's vascular system allowing the product to travel evenly and easier throughout the tree. Brandt enTREE applications are (1) ready to use, (2) connect directly to the tree, (3) take only a few minutes to apply and (4) lasts all season long. The devices are self-contained and pre-filled; and once connected, the tree quickly absorbs the solution using its transpiration system.

There is:

- NO high pressure forced delivery of product that could potentially damage the tree
- NO product wastage
- NO direct contact nor exposure to solutions
- NO environmental issues related to residual run off or drift

## Why Emamectin Benzoate?

Research has proven that tree injection treatment with Emamectin Benzoate is the insecticide of choice. It provides up to two years of EAB control with a single application, for even large and mature trees under intense pest pressure. It also has provided a higher level of control than other insecticides in side by side studies including trunk injection, basal sprays and soil drenches. Unlike other chemistries, emamectin benzoate can be injected at any time during the growing season when there is active uptake by the tree. (April - September). The ideal window for optimal control and mitigating damage is mid to late spring (mid-April to late-June) to target the adult stage and interrupt its ability to reproduce. If treated later in the summer or fall, the larva stage will be affected and the tree will be armored for the following life cycles for up to twenty four months following application.

**Important:** Before application, carefully read label in its entirety and follow all instructions.

## Why Brandt enTREE EB?

Brandt enTREE EB is a lower pressure micro tree injection solution for the emerald ash borer. Each self-contained, ready-to-use device comes pre-filled with 25 mL of the active ingredient emamectin benzoate 4% concentration, which when applied appropriately can effectively control EAB with up to two years of protection. It is easily installed into the trunk of the tree using only a drill. Its simple and quick application measurements require only 1 device for every 5 inches DBH allowing for concurrent rather than consecutive tree treatment. The rate of uptake will vary depending upon tree health and environmental conditions and there is no need to seal the holes after treatment as the tree will heal naturally. When application is complete, simply dispose of the device. No special handling is necessary. Other than a drill, no special equipment, measuring, mixing or spraying is required at the site. Simple, ready-to-use, effective and FAST!



**Take control! Stop EAB before it wipes out your ash trees!**  
Visit [www.brandt.co/enTREE](http://www.brandt.co/enTREE) today

**Contact us today!**

**For more information, talk to your distributor about BRANDT enTREE tree care solutions or contact BRANDT enTREE Consultant, [Terry.Fleischman@brandt.co](mailto:Terry.Fleischman@brandt.co)**

Photos and research courtesy of Purdue University.  
For more EAB information be sure to visit: [www.emeraldashborer.info](http://www.emeraldashborer.info) and [extension.entm.purdue.edu/EAB/](http://extension.entm.purdue.edu/EAB/)

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