

Giroud Alert: ***Emerald Ash Borer—A 100% Fatal Pest***

I. Treat or Remove?

Unfortunately, anyone with an Ash tree will need to make this difficult decision about whether to protect it from Emerald Ash Borer or let it die and remove it. If you have Ash trees you love, you need to take action now because Emerald Ash Borer is spreading rapidly across our region.

II. Emerald Ash Borer Kill Ash Trees

Without treatment, all Ash Trees with Emerald Ash Borer die within 3-5 years. Emerald Ash Borer kill Ash Trees when larvae tunnel beneath the bark, stop food and water and starve the tree to death.

By the time you see visible decline, Emerald Ash Borer has already done significant internal damage to the tree. To be a good candidate for treatment, the Ash Tree must have at least 50% of its crown, meet minimum health standards and be able to absorb treatment. That's why, it's critical to treat now before damage is beyond repair. Learn more at www.giroudtree.com/emerald-ash-borer.



Healthy Ash trees protected with Tree-age trunk injection treatments right next to untreated Ash trees killed by Emerald Ash Borer. (Photo Credit: Daniel Herms, The Ohio State University)

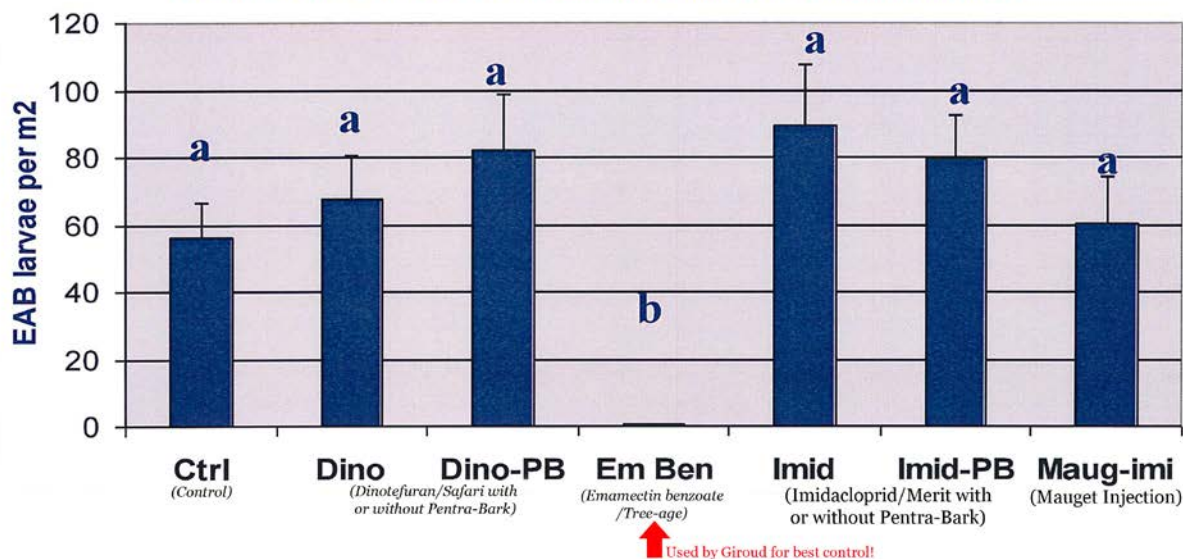
III. Treatment Options

Treatments vary in effectiveness and cost. The options listed below are ranked by the treatment's ability to control Emerald Ash Borer in the tree:

1. Systemic Trunk Injection: In performance tests, Michigan State researchers found that systemic trunk injections of TREE-age® with Emamectin Benzoate (Em Ben), achieved the best results. The chart below shows the number of Emerald Ash Borer found two years after each of the treatment options were performed.

Emerald Ash Borer Found in Ash Trees After Tree-age Injection? Almost ZERO!

Research Proves Tree-age Is Most Effective Control for Emerald Ash Borer *



Treatment Options

Systemic Trunk Injection (*continued*) While virtually no larvae were found after two years in trees treated with Em Ben (*Emamectin benzoate/Tree-age*), adjacent, untreated trees had hundreds of larvae. A Systemic Trunk Injection of TREE-age® should be applied every two years.

2. **Soil Injection/Soil Drench:** Applied to the soil at the base of the tree, the insecticide, Merit® or Xytec® with Imidacloprid, is absorbed up through the canopy. Control has been inconsistent. Experience and research indicate that this treatment is most effective on smaller trees. The treatment must be applied annually in mid-late Spring or mid-Fall.
3. **Basal Trunk Sprays:** As with soil treatments, control of Emerald Ash Borer with Dinotefuran basal trunk sprays has been variable in research trials. Dinotefuran was found to reduce EAB larval density by approximately 30 percent to 60 percent compared to heavily infested untreated trees. The treatment is effective for only one year and needs to be applied annually. In general, control is better and more consistent in smaller trees than large trees.
4. **Topical Cover Sprays:** Studies at MSU have shown that applications of Tempo® or Sevin®SL provided good control, especially when the insecticides were applied in late May and again in early July when the adult Borer are feeding on the leaves.



Trunk injection is the most effective treatment for Emerald Ash Borer. The insecticide provides protection for two years.

IV. Action

Early detection is key to saving your Ash Trees. Take the following actions now:

1. Have your Giroud ISA Certified Arborist survey your property for Ash trees
2. Determine the value of each Ash to your landscape:
 - Highest value Ash should be treated with Systemic Trunk injections every two years.
 - Ash of lesser value may warrant a lower cost treatment or be left untreated.
 - Untreated trees may require removal in the future.
3. Ensure that the tree service company and technicians have the qualifications and training required to successfully perform the treatment.
4. Begin treatment at the optimum time and continue treating each tree on the schedule prescribed by the type of treatment.
5. Remove deadwood and promote healthy growth with regular pruning in combination with treatment.



Schedule a Free Evaluation Today!

Call Today: 215-682-7704

Or, visit www.giroudtree.com/emerald-ash-borer.