



# EMERALD ASH BORER: A Monthly Guide to Ash Tree Management in Southeast Michigan

**BEFORE TREATING:** *For professionals and homeowners, the best chance for success occurs when you start treating trees that are healthy before any decline is observed.*

## JANUARY-MARCH

- ◆ Inspect ash trees for bark splits, woodpecker activity (light colored patches on bark, holes), small D-shaped exit holes.
- ◆ Remove dead trees if necessary.
- ◆ Check Web site ([www.emeraldashborer.info](http://www.emeraldashborer.info)) for updates.

## APRIL-MAY\*

- ◆ Treatments may be more effective if tree health is maintained; therefore it is recommended that trees are fertilized in the fall or spring, watered regularly and lightly mulched around base to retain moisture.
- ◆ Check Web site ([www.emeraldashborer.info](http://www.emeraldashborer.info)) for updates.
- ◆ Homeowner Treatment (one treatment only – optimum timing is April and May):
  - 1) Apply Bayer Advanced Garden™ Tree and Shrub Insect Control (imidacloprid) soil drench. Soil should be moist prior to insecticide application. Insecticide should be lightly watered in.
  - 2) For trees larger than 6” in diameter (19” circumference) apply ACECAP® 97 or Bonide® Systemic Insecticide Bullets (acephate) *in addition to the soil drench for the first two years of treatment* after which only the Bayer Advanced Garden™ Tree and Shrub Insect Control (imidacloprid) soil drench is necessary. Due to injury from drilling holes, it is not recommended that trunk injections be used for more than 3 consecutive years.
- ◆ Tree Care Professional Treatment: Soil injection with Merit (imidacloprid), or trunk injection with Pointer or Imicide or IMA-jet (imidacloprid) or Injecticide-B (bidrin). Due to injury from drilling holes, it is not recommended that trunk injections be used for more than 3 consecutive years.

## JUNE\*

- ◆ Watch for adult emerald ash borer beetles to appear with peak emergence occurring in mid to late June.
- ◆ Assess tree health by evaluating foliage cover and check for any dieback on branches.
- ◆ Check trunk for signs of emerald ash borer: D-shaped exit holes, sucker growth.
- ◆ Check Web site ([www.emeraldashborer.info](http://www.emeraldashborer.info)) for updates.
- ◆ Homeowner Treatment (*only if not done in April or May*):
  - 1) Apply Bayer Advanced Garden™ Tree and Shrub Insect Control (imidacloprid) soil drench.
  - 2) For trees larger than 6” in diameter (19” circumference) apply ACECAP® 97 or Bonide® Systemic Insecticide Bullets (acephate) *in addition to the soil drench for the first two years of treatment* after which only the Bayer Advanced Garden™ Tree and Shrub Insect Control (imidacloprid) soil drench is necessary. Due to injury from drilling holes, it is not recommended that trunk injections be used for more than 3 consecutive years.
- ◆ Tree Care Professional Treatment (*only if not done in April or May*): Trunk injection with Pointer or Imicide or IMA-jet (imidacloprid), or Injecticide-B (bidrin).
- ◆ Homeowner Treatment: If trunk/foliage spray is used, spray first application of Bayer Advanced Multi-Insect Killer® (cyfluthrin) in early to mid June.
- ◆ Tree Care Professional Treatment: If trunk/foliage spray is used, spray with Tempo (cyfluthrin) or Onyx (bifenthrin) or Sevin (carbaryl) in early June.

*continued*

## JULY-SEPTEMBER\*

- ◆ Make sure trees receive adequate water in case of drought.
- ◆ Continue monitoring trees for signs of emerald ash borer.
- ◆ Check Web site ([www.emeraldashborer.info](http://www.emeraldashborer.info)) for updates.
- ◆ Homeowner Treatment: Second application (in early July) of Bayer Advanced Multi-Insect Killer® (cyfluthrin) 2 to 4 weeks after first application.
- ◆ Tree Care Professional Treatment (*only if not done in April, May or June*): Trunk injection with Pointer or Imicide or IMA-jet (imidacloprid) through early July, or trunk injection with Injecticide-B (bidrin) through early September.
- ◆ Tree Care Professional Treatment: Second application of Tempo (cyfluthrin) or Onyx (bifenthrin) or Sevin (carbaryl).

## OCTOBER-DECEMBER

- ◆ Inspect ash trees for bark splits, woodpecker activity (light colored patches on bark, holes), small D-shaped exit holes.
- ◆ Remove dead trees if necessary.
- ◆ Check Web site ([www.emeraldashborer.info](http://www.emeraldashborer.info)) for updates.

\*In areas of heavy infestation, more than one method of protection should be used for the first 2-3 years of treatment (examples: soil drench and ACECAP® 97, or trunk injection and tree sprays, or soil drench, ACECAP® 97 and tree sprays). After the first 2-3 years of treatment, yearly treatment can be limited to a single method of your choice. Emerald ash borer research is ongoing and treatment plans are subject to change. Remember to check the Web site [www.emeraldashborer.info](http://www.emeraldashborer.info) for updates.

### Product Information:

Active ingredient is listed after each product name (in parentheses). Read and follow all label instructions carefully.

Information about these products and where they can be purchased can be found on the following Web sites:

ACECAP® 97: [www.acecap-medicap.com](http://www.acecap-medicap.com)

Bayer Advanced Tree and Shrub Insect Control: <http://www.bayeradvanced.com/garden/products/details.cfm?id=12>

Bonide Systemic Insecticide Bullets: [www.bonide.com](http://www.bonide.com)

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