

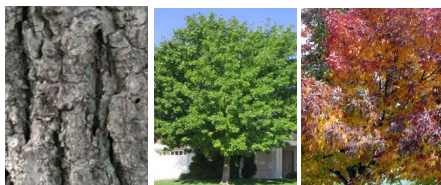


# EMERALD ASH BORER

Recently discovered and responsible for the death of millions of ash trees in the Midwest.

**Do your ash trees show signs of Emerald Ash Borer damage?**

## How to identify ash trees:



- Mature tree bark is gray-brown with deep cracks.
- 7-13 leaflets on each leaf.
- Leaves are on opposite sides of the stem.
- Leaves are green in the spring/summer and the fall color will be yellow (green ash) or purple (purple ash).
- Winter buds are black in color



- Crown (top of tree) dieback on mature trees.



- "D" shaped holes in the bark



- "S" shaped feeding galleries under the bark



- Woodpeckers feeding on damage of bark



- Low sprouting (suckers) branches on the trunk of the tree.

**If your tree shows any sign of damage, contact your county extension office or city arborist.**

# EMERALD ASH BORER

## Insect Stages of the Emerald Ash Borer:



Ash Borer Egg  
Late May - Late July



Larvae  
Late July - October



Larvae Pupa  
Early May



Emerging from a tree  
Late May - Late June

## Emerald Ash Borer Management Strategy:

To get the most out of your existing ash trees, use these preventative measures to protect your trees:

### Treat:

Treat your existing ash trees in the spring or fall with Annual Tree & Shrub Insect Control.



- Annual Tree & Shrub Insect Control is a soil drench.
- Remove all organic matter (leaves/mulch) from around the base of the tree. This allows the insecticide solution to go directly into the soil.
- Apply the drench next to the trunk of the tree when the soil is moist, but not saturated.
- Mix Tree & Shrub Insect Control according to label directions.

### Fertilize:

Fertilize and water your trees as needed. A healthy vigorous tree is less likely to be attacked. We suggest fertilizing your tree with a

root feeder or fertilizer spikes.

### Plant:

Plant a different type of tree nearby for the future. It is assumed that no control measure will be 100% effective over time. For information on alternative shade trees, see our Plant & Nursery Library at [earlmay.com](http://earlmay.com) or contact your local Earl May Garden Center.

### Alternative trees to replace the ash tree:



#### Oak

Bicolor, Bur, or Red



#### Locust

Skyline



#### Red Maple

Autumn Blaze®, Burgundy Belle®, Princeton Gold, Redpointe™, Royal Red, or Sun Valley



#### Linden

Greenspire, or Shamrock®



#### Tulip Tree

### Other trees to consider:

Aspen, Prairie Gold®  
Birch, Heritage® or Royal Frost  
Cypress, Bald  
Kentucky Coffee Tree  
London Planetree