



Adult beetle
 Canadian Food Inspection Agency

Emerald Ash Borer

Scientific Name: *Agrilus planipennis*

Emerald Ash Borer (EAB) is an exotic beetle that attacks and kills Green, White, Black and Blue Ash trees. It was introduced from Asia into the Great Lakes region and has devastated native and planted ash throughout the Midwestern and Eastern United States. In May 2009 EAB was discovered in the Twin Cities by Rainbow Treecare and confirmed by the Minnesota Department of Agriculture.

Attacks: All ash species.

- North American ash have no resistance to this beetle.
- Asian ash species "Manchurian ash" have resistance.

What you will see:

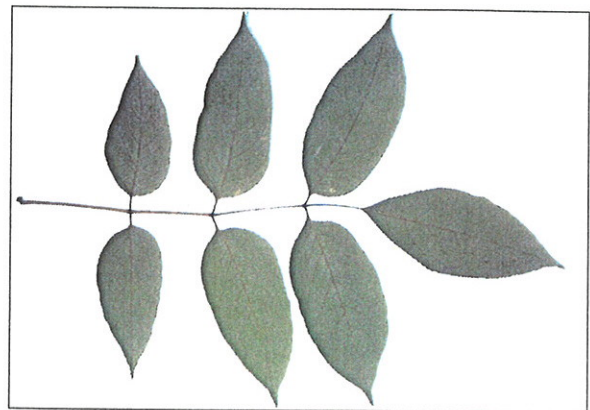
- Early fall coloration
- Dieback of branches with sparse foliage
- Meandering galleries underneath the bark
- New branches sprouting from trunk
- D-shaped exit holes
- Woodpeckers feeding on infested trees
- Decline in entire groups of ash trees



Dieback of branches with sparse foliage



D-shaped exit hole



Ash trees have compound leaves

Emerald Ash Borer Management

Treatments:

Preventive

- Systemic insecticide: Xytect™ (2X)
 - Soil apply
 - Annual applications to prevent infestation

Therapeutic

- Systemic tree injection: TREE-äge™
 - Inject with Arbor Jet system
 - Follow-up with Xytect™ (2X)
 - Annual applications

Cultural practices:

- None
- Remove your ash tree



Meandering galleries underneath the bark



Early fall coloration

An integrated approach

When caring for urban trees it is important to make a complete evaluation of all environmental conditions to accurately diagnose all stress factors and prescribe care based on specific circumstances. This prescriptive care will help your tree meet its full potential.



12800 Arbor Lakes Parkway
P.O. Box 1180
Maple Grove, MN 55311-6180
763-494-6000
www.ci.maple-grove.mn.us