Emerald Ash Borer

The emerald ash borer, *Agrilus planipennis fairmaire*, is a small (1/2 inch long, 1/8 inch wide) metallic green beetle native to Asia. While it was first found in Michigan in 2002, it is likely that the beetle population had been established quite a few years before discovery. Discovered in Kane County Illinois in 2006, the beetles’ presence has since been found in Bureau, Cook DeKalb, DuPage, Kendall, Lake, LaSalle, McHenry, McLean and Will counties. EAB’s natural spread is moderate, but its artificial spread can be rapid by people unwittingly transporting this pest through infested firewood and landscape waste. Artificial movement of infested trees has exacerbated the EAB problem in Illinois and North America. To protect our ash trees, it is our responsibility to minimize the spread of EAB by not transporting firewood outside of its local area. Fireplace owners should buy firewood from a known local source and burn all of it before May 1. Campers should buy firewood at your destination and/or burn all wood before leaving the camp-site.

Ash Trees

Ash trees are very common in landscapes and most species, mainly white ash (*Fraxinus Americana*) and green ash (*F. pennsylvanica*) are native to Illinois forests. It is estimated that as much as 20 percent of street trees in the greater Chicagoland area are ash.

Characteristics of ash:
- Compound leaves made up of seven small, glossy green leaflets (5-9 leaflets).
- Leaves, twigs and branches grow symmetrically in opposite pairs.
- Bark of mature trees is gray and furrowed, often appearing in a diamond pattern.
- Some ash trees will produce small canoe paddle-shaped seeds.
- Seedless ash trees are common.
- Some ash produce conspicuous hard, brown “flower galls” on their twigs.

Other Stressors:

Ash trees may suffer from a number of insect disease or other problems that can cause similar symptoms. Native borers also attack ash trees and leave different exit holes. The round or oval holes of native insect borers are not “D” shaped and are usually smaller or larger than those of the EAB.
You Can Help...

**DO NOT MOVE FIREWOOD**

- Emerald Ash Borer can easily be transported in ash logs.
- Purchase firewood locally (within county) from a known source.
- Be sure to use all the firewood in the cold months so that no hidden EAB larvae or adults can survive on logs left through the spring.
- There are both state and federal quarantines in place that restrict the movement of ash logs, branches or other material in certain areas. The entire state of Illinois is under a federal quarantine, which restricts the movement of regulated articles across the state line. Additionally, an internal state quarantine is in effect for all or parts of 21 counties in northeastern Illinois. If you give or sell any ash stock or other hardwood originating from within the internal state quarantined area, inform the person receiving the wood of that fact and the restrictions on wood movement.
- Check [www.IllinoisEAB.com](http://www.IllinoisEAB.com) for more detailed information.
- Monitor the health of ash trees. Look for dead and dying branches at the top of the tree’s crown and other EAB signs and symptoms.

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If You Think You Have Emerald Ash Borer:

If you suspect your tree has EAB, please take some digital photos of the tree and close-ups of the symptoms it is expressing and email those with contact info to: agr.eab@illinois.gov.

For assistance in identifying suspect insects and symptoms:
- Contact your city or village forester, arborist or public works official for assistance.
- In the City of Chicago, contact 312-74BEETL (312-742-3385)
- Contact the Illinois Department of Agriculture at 800/641-3934 or visit [www.IllinoisEAB.com](http://www.IllinoisEAB.com)
- Contact your local University of Illinois Extension office by visiting [http://web.extension.uiuc.edu/state/index.html](http://web.extension.uiuc.edu/state/index.html) or by calling 217-333-5900
- Contact The Morton Arboretum Plant Clinic at 630-719-2424 or [www.mortonarb.org](http://www.mortonarb.org/)
- Contact a certified arborist. To find one in your area, visit [http://www.illinoisarborist.org](http://www.illinoisarborist.org)
- Call the national EAB hotline at 866-EAB-4512.

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