

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 Boone, Bureau, Champaign, Cook, DeKalb, DeWitt, DuPage, Effingham, Grundy, Iroquois, Kankakee, Kendall, Lake, LaSalle, Marion, McHenry, McLean, Ogle, Stark, Will and Winnebago 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 be sure to burn all wood before leaving the campsite.

Life Cycle

The adult emerald ash borer emerges May - July and the female lays numerous eggs in bark crevices and between layers of bark.

The eggs hatch in 7-10 days into larvae which bore into the tree where they chew the inner bark and phloem creating winding galleries as they feed. This cuts off the flow of water and nutrients in the tree, thereby causing the tree's dieback and death.



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 an 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.

Signs and Symptoms

The most visible sign of infestation is crown dieback. Branches at the top of the crown will die and more branches will die in subsequent years. As the tree declines, 'suckers', or new young branches, will sprout from the base of the tree and on the trunk. The bark may also split vertically and woodpeckers may feed on the beetle leaving visible damage on the bark. Successful treatments with insecticides are limited but continue to be studied. All ash trees near any new infestation will most likely become infested and die.



Adult beetles emerging from trees will leave a unique "D" shaped exit hole. This is a small 1/8 inch diameter distinctly "D" shaped hole that may appear anywhere on the trunk or upper branches

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.



Actual Size of EAB is very tiny, no bigger than a penny
Only 1/2" x 1/8"

Residents now can access information about ash trees on or near their property thanks to a new interactive map feature on the village's website. Residents can see the condition of all ash trees in the Village that are on public property simply by accessing the map. To use this feature, navigate your Internet browser to the Tinley Park village website at www.tinleypark.org and follow the below steps:

- On the left side of the Village's homepage, click on the "Interactive Village Maps" link. This will redirect you to MapOffice™, Tinley Park's online Geographic Information System (GIS) Viewer.
- Once in MapOffice™, type your address in the space provided and press "GO." This will zoom in and highlight your property.
- Now click the "Layers" button at the upper right-hand corner of the screen and choose "Tinley Park" from the drop down list. Next, click the box next to "Tree Inventory." Small icons of different-colored trees will appear on your screen, with each one representing a tree that the Village evaluated.
- At this point, you can keep the look of the map as it appears, or select the "Photo" tab at the upper right-hand corner of the screen, which will switch to an aerial photograph of your property.
- Single-click on any one of the tree icons to display details about the actual tree, such as its type and condition.



Village of Tinley Park

16250 S. Oak Park Avenue
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www.tinleypark.org

Hours:

Monday – Friday

8:30 a.m. – 5:00 p.m.

Saturday

9:00 a.m. – 1:00 p.m.

STAY IN TOUCH

- **Online:** www.tinleypark.org hosts information on the latest news and events.
- **Community Email:** Information delivered weekly to your email inbox. Subscribe by visiting the Village website and clicking on the "Stay Informed" tab on the lower left.
- **Facebook:** "Like" us at www.facebook.com/VillageofTinleyPark for information in your news feed.
- **Twitter:** Follow Tinley Park at www.twitter.com/tinleypark_IL.
- **Tinley TV:** Airs constantly on Comcast Channel 4 and U-verse Channel 99, as well as on the Village's YouTube channel. Visit www.tinleypark.org/TPTV for information.



06/2015



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