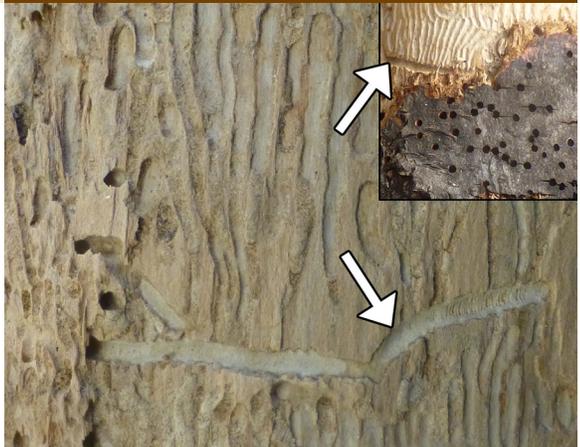


# EAB or Native Borer?

Insect Galleries Often Confused for Emerald Ash Borer (EAB)

Emerald Ash Borer		Native Borers
 <p>A photograph showing the intricate, winding galleries of an Emerald Ash Borer (EAB) in a piece of wood. The galleries are light-colored and contrast with the surrounding wood. An inset image shows a close-up of the wood surface with small, round exit holes.</p>	<p>Bark Beetles have a main tunnel (arrows) with many perpendicular larval galleries.</p> <p>Tiny, round exit holes are evident on the outer bark.</p>	 <p>A photograph of a bark beetle's main tunnel and perpendicular larval galleries in wood. Two white arrows point to the main tunnel. An inset image shows a close-up of the wood surface with small, round exit holes.</p>
<p>EAB</p>		<p>Bark Beetle tunnel and larval galleries</p>
 <p>A photograph showing the large, irregular, and somewhat chaotic galleries of an Ash-lilac Clearwing Borer in wood. The galleries are filled with sawdust or frass. An inset image shows a close-up of a larva.</p>	<p>Ash-lilac Clearwing Borer has large, irregular larval galleries nearly clean of sawdust or frass.</p> <p>Oval exit holes are evident on the outer bark.</p>	 <p>A photograph showing the large, irregular galleries of an Ash-lilac Clearwing Borer in wood. The galleries are filled with sawdust or frass. An inset image shows a close-up of a larva.</p>
<p>EAB</p>		<p>Ash-lilac Clearwing Borer</p>
 <p>A photograph showing the wide, flat-headed galleries of a Flatheaded Appletree Borer in wood. The galleries are wider than those of the EAB and follow the wood grain. An inset image shows a close-up of an oval to indistinct D-shaped exit hole next to a ruler for scale.</p>	<p>Flatheaded Appletree Borer larval galleries are wider than EAB and follow the wood grain.</p> <p>Oval to indistinct D-shaped exit holes evident; whereas, EAB exit holes distinctly D-shaped.</p>	 <p>A photograph showing the wide, flat-headed galleries of a Flatheaded Appletree Borer in wood. The galleries are wider than those of the EAB and follow the wood grain. An inset image shows a close-up of an oval to indistinct D-shaped exit hole.</p>
<p>EAB</p>		<p>Flatheaded Appletree Borer</p>

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### Emerald Ash Borer



EAB

Redheaded Ash Borer larval galleries have round cross sections when compared to EAB or Flatheaded Appletree Borer.

The sawdust is more coarse and less compact.

### Native Borers



Redheaded Ash Borer



EAB

Redheaded Ash Borer larval galleries wander without a distinct serpentine pattern.

Round exit holes are evident on the outer bark.



Redheaded Ash Borer tunnels (and prepupa)



EAB

Ash Cambium Miner larval galleries either follow a zig-zag pattern or are straight.

Little frass or sawdust is present.

Exit holes are not evident on outer bark.



Ash Cambium Miner

Pictures: Bugwood.org (5476313 Christopher Asaro, Virginia Department of Forestry; 5110030 David Cappaert, Michigan State University); Iowa State University Extension and Outreach; Iowa Department of Agriculture and Land Stewardship.



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