

# EAB or Native Borer?

Insect Galleries Often Confused for Emerald Ash Borer (EAB)

Emerald Ash Borer		Native Borers
	<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>	
<b>EAB</b>		<b>Bark Beetle tunnel and larval galleries</b>
	<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>	
<b>EAB</b>		<b>Ash-lilac Clearwing Borer</b>
	<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>	
<b>EAB</b>		<b>Flatheaded Appletree Borer</b>

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## **Emerald Ash Borer**



**EAB**

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**



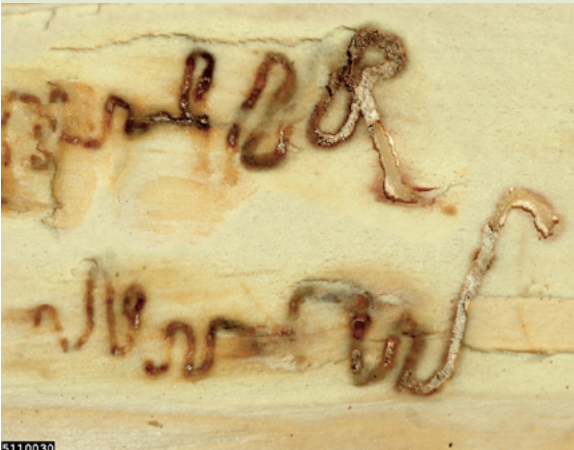
**EAB**

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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