Native ash borers are North American insects that tunnel under the bark of ash trees, sometimes causing enough damage to seriously weaken trees.

**These two borers attack healthy ash trees:**

**Banded ash clearwing**, *Podosesia aureocincta*; adult (Fig. A), larva (Fig. B).

**Ash/lilac borer**, *Podosesia syringae*; adult (Fig. C).
- Wasp-mimicking moths that feed on xylem of ash trees.
- Larvae are round with legs and expel frass from tree (Fig. D).
- Round exit hole (1/4 inch); pupal case exposed in exit hole upon emergence (Fig. E).

**These three borers attack stressed or dying ash trees:**

**Redheaded ash borer**, *Neoclytus acuminatus*; adult (Fig. F), larva (Fig. G).

**Banded ash borer**, *Neoclytus caprea*; adult (Fig. H).
- Longhorned beetles (roundheaded borers) that attack stressed ash trees, but also colonize elm, hickory, oak, linden and others.
- Larvae tunnel deep into xylem (Fig. I) and adults emerge from round-oval exit holes measuring 1/4 inch (Fig. J).
Native Borers (continued)

Eastern ash bark beetle, *Hylesinus aculeatus*; adult (Fig. K).
- Cylindrical bark beetle that forms galleries beneath the bark of ash trees (Fig. L).
- Infested trees peppered with tiny, round exit holes measuring approximately 1/16 inch (Fig. M).

Six-spotted tiger beetle, *Cicindela sexguttata*; adult measures 1/2 inch long (Fig. N).

Caterpillar hunter, *Calosoma scrutator*; adult measures 1 inch long (Fig. O).

Japanese beetle, *Popillia japonica*; adult measures slightly less than 1/2 inch long (Fig. P).

Bronze birch borer, *Agrilus anxius*; adult measures approximately 1/2 inch long (Fig. Q).

Two-lined chestnut borer, *Agrilus bilineatus*; adult measures approximately 1/2 inch long (Fig. R).

Several other uncommon metallic wood-boring beetles.

Emerald Ash Borer Look-alikes

The following insects are common to Michigan and could possibly be confused with emerald ash borer.

Six-spotted tiger beetle, *Cicindela sexguttata*; adult measures 1/2 inch long (Fig. N).

Caterpillar hunter, *Calosoma scrutator*; adult measures 1 inch long (Fig. O).

Japanese beetle, *Popillia japonica*; adult measures slightly less than 1/2 inch long (Fig. P).

Bronze birch borer, *Agrilus anxius*; adult measures approximately 1/2 inch long (Fig. Q).

Two-lined chestnut borer, *Agrilus bilineatus*; adult measures approximately 1/2 inch long (Fig. R).

Several other uncommon metallic wood-boring beetles.