Symptoms and Signs of the Emerald Ash Borer

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Adult





Michigan State University

- Bright, metallic green (Figs. A, B)
- Half inch long, flattened back (Figs. A, B)
- Purple abdominal segments beneath wing covers

Larva



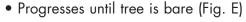
- Creamy white, legless (Fig. C)
- Flattened, bell-shaped body segments (Fig. C)
- Terminal segment bears a pair of small appendages

Canopy Dieback





• Begins in top one-third of canopy (Fig. D)



Epicormic Shoots





- Leaves often larger than normal

Sprouts grow from roots and trunk (Figs. F, G)





Bark Splitting





J. Smith, USDA APHIS PPG

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- Vertical fissures on bark (Fig. H) due to callous tissue formation (Fig. I)
- Galleries exposed under bark split

Serpentine Galleries and D-shaped Exit Holes





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- Larval feeding galleries typically serpentine (Fig. J)
- Galleries weave back and forth across the woodgrain
- Packed with frass (mix of sawdust and excrement)
- Adults form D-shaped holes upon emergence (Fig. K)

Increased Woodpecker Activity/Damage





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- Several woodpecker species (Fig. L) feed on EAB larvae/pupae
- Peck at outer bark while foraging (Fig. M)
- Create large holes when extracting insects (Fig. M)

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