

Pest Profile



Photo credit: Whitney Cranshaw, Colorado State University, Bugwood.org

Common Name: Boxelder Aphid

Scientific Name: *Periphyllus negundinis*

Order and Family: Hemiptera, Aphididae

Size and Appearance:

	Length (mm)	Appearance
Egg	0.34 mm	Shiny, black and elliptical in shape
Larva/Nymph	0.75 mm	Pale green color
Adult	2.1-2.54 mm	Green color
Pupa (if applicable)		

Type of feeder (Chewing, sucking, etc.): Piercing/sucking mouthparts for feeding on plant juices.

Host plant/s: The boxelder tree, *Acer negundo*.

Description of Damage (larvae and adults): Adults and nymphs feed on the new, uncurled leaves and buds. Heavy feeding from large colonies tend to limit growth on twigs to a few old, tough leaves covered in honeydew. As with most aphids, excessive honeydew buildup can cause sooty mold.

References:

Acer negundo (Box Elder) Aceraceae (N.D.). Environmental Studies, Lake Forestry course. Lake Forest College Illinois.

https://www.lakeforest.edu/academics/programs/environmental/courses/es282/acer_negundo.php

Webster, R. L. (1917). *The box elder aphid, Chaitophorus neundinis Thomas (Vol. 169)*. Agricultural Experiment Station, Iowa State College of Agriculture and Mechanical Arts.