

Beech leaf mining weevil

Orchestes fagi (Linnaeus)

Beech leaf mining weevil



⚠ INVASIVE ALIEN SPECIES

A native to Europe, the beech leaf mining weevil was first reported in Nova Scotia in 2011:

- A type of tiny, snout-nosed beetle
- First reported as diseased or distressed beech trees near Halifax and on Cape Breton Island
- Crown dieback and mortality can occur after several successive years of defoliation

HOST

- American beech

DESCRIPTION

Mature larva

- 5 mm; shiny white with a black head

Adult weevil

- 2–3 mm; black beetle with short golden hair; large back legs; jumps like a flea when foliage disturbed

Beech leaf mining weevil

Beech leaf
mining
weevil
damage



WHAT TO LOOK FOR

- Spring feeding on newly expanding leaves by adults appears as a peppering of small holes and midrib damage
- Larvae feed within the leaf, creating a narrow mine from the midrib to the edge of the leaf, ending in a small brown blotch

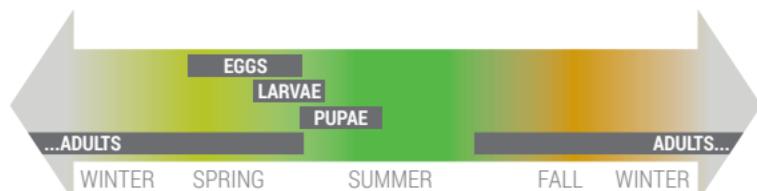
CONTROL

- Insecticidal controls may work on individual trees, but are not practical for larger forest environments
- Work continues on developing biocontrol methods, including various natural enemies and pathogens



Larval mining damage

LIFE CYCLE



Please visit novascotia.ca/natr/forestprotection to download a copy of the "Field Guide to Pests of the Acadian Forest".