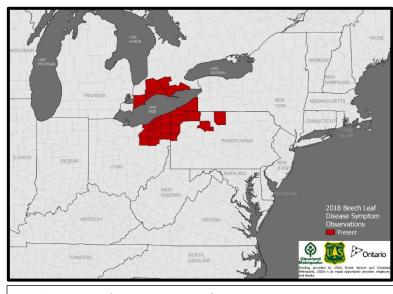
Forest Health Pest Alert

Beech Leaf Disease

June 2019

Hosts and Distribution

An affliction generically referred to as beech leaf disease (BLD) has been contributing to the decline and mortality of American beech across Ohio, Pennsylvania, New York, and Ontario. BLD was initially discovered in Lake County, Ohio in 2012 and now affects at least 24 counties (see map). To date, BLD symptoms have been found on American beech (*Fagus grandifolia*), European beech (*F.sylvatica*), and Oriental beech (*F.orientalis*). While the causal agent

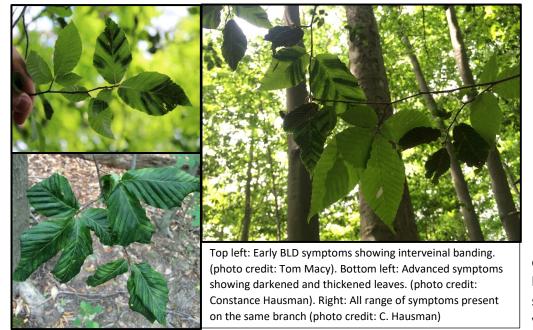


Distribution map of BLD symptoms as of 2018.

has yet to be officially identified, diagnostic efforts have revealed an association with a foliar nematode (*Litylenchus crenatae*).

Symptoms

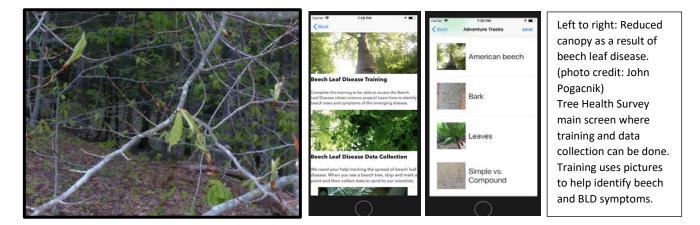
Very early symptoms include dark bands between lateral veins of leaves. Banding is most apparent when viewing from below, looking upwards into the canopy and is evident immediately upon leaf-out in



the spring. Later stages result in heavily bandeddarkened leaves that are thickened and leathery in texture, often with shriveled or curled edges. Aborted bud development and reduced leaf production results in a loss of canopy cover. Mortality has been noted in saplings within 2-5 years.

What can you do?

Report symptom observations using Tree Health Survey, an iOS app that trains users to identify beech trees and beech leaf disease symptoms (an Android version will be available late summer 2019). Tree Health Survey can be used to record location, symptom severity, and submit photos. It is necessary to record both healthy and symptomatic trees to help delineate range and extent. In addition, contact your state forest health administrator if BLD symptoms are observed.



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