TSU NURSERY NEWS TO USE

ISSUE 7 OCTOBER 1, 2019





LAUREL WILT CONFIRMED IN SASSAFRASS. Laurel wilt is a vascular disease caused by the fungus *Raffaelea lauricola*. It is transmitted by the redbay ambrosia beetle, *Xyleborus glabratus*. The disease affects and kills members of the laurel family.

Confirmed hosts in the U.S. include redbay and sassafras. Trees freshly attacked by X. *glabratus* exhibit few initial symptoms. Removal of bark with a draw knife or hatchet will revel dark brown discolored sapwood (A). Small strings of compacted sawdust, aka frass tubes or toothpicks, may protrude from the bark at the point of entry, however, these tubes destroy easily (C). Removal of bark at the point of attack reveals holes surrounded by a dark stain, extending into surrounding tissue (B). The stain is the tree's response to infection by the fungus, which spreads through much of the outer sapwood. Attacked trees eventually exhibit wilted foliage with a reddish or purplish discoloration. Foliar discoloration may occur first within a section (major branch) or throughout the entire crown. The foliage eventually browns but remains attached. As the host weakens and dies, it is typically colonized by several other species of ambrosia beetles. We will continue to update the Tennessee nursery industry as information becomes available, however, you can stay up-to-date by monitoring the USDA National Invasive



Species Information Center at https://www.invasivespeciesinfo.gov/profile/laurel-wilt.

UPCOMING EVENTS AND PROGRAMS

BOXVOOD DISEASES & PESTS

NOVEMBER 13TH, 9am - 12pm The Pavilion at TSU Farm 1946 Ed Temple Blvd Nashville, TN 37208

9:00 am CLOUDING BOXWOODS Josiah Lockard, Josiah Lockard & Associates 9:45 am BOXWOOD DISEASES Dr. Fulya Baysal-Gurel, TSU NRC, Plant Pathologist 11:30 am BOXWOOD INSECT PESTS Amy Dismukes, TSU NRC, Nursery Extension Specialist 12:00 pm QUESTIONS and adjourn NOVEMBER 14TH, 9am - 12pm Wilson County Fairgrounds 945 E Baddour Pkwy Lebanon, TN 37087

9:00 am BOXWOOD DISEASES Dr. Fulya Baysal-Gurel, TSU NRC, Plant Pathologist 10:45 am Management Practices for BOXWOODS Lucas Holman, TSU Wilson Co. Extension 11:30 am BOXWOOD INSECT PESTS Amy Dismukes, TSU NRC, Nursery Extension Specialist 12:00 pm QUESTIONS and adjourn NOVEMBER 15TH, 9am - 12pm Montgomery County Extension Office 1030 Cumberland Heights Road, Ste. A Clarksville, TN 37040

Agriculture

9:00 am BOXWOOD DISEASES Dr. Fulya Baysal-Gurel, TSU NRC, Plant Pathologist 10:45 am Management Practices for BOXWOODS Karla Kean, TSU Montgomery Co. Extension 11:30 am BOXWOOD INSECT PESTS Amy Dismukes, TSU NRC, Nursery Extension Specialist 12:00 pm QUESTIONS and adjourn

REGISTRATION REQUIRED! To register, please complete the link at https://forms.gle/1f1knjfqQoFfW2tr6

NEW! Confirmed in the Americas in November of 2018 by Jason Smith, Florida Forest Pathologist, HORNBEAM RUST, a European pathogen, has made its way to Tennessee.

Confirmed in Davidson County, *Melampsoridium carpini* affects *Carpinus caroliniana* (American hornbeam), *Ostrya virginina* (American hop hornbeam) and *Carpinus betulus* (Eurpoean hornbeam). Although European hornbeam show slightly more tolerance to the pathogen, due to its history overseas, than the American hornbeam, the pathogen may result in an aesthetic issue and should be notated, reported and considered for treatment the following year in nursery stock. More information will follow as controls and reports are updated.



RUST ON HORNBEAM (TOP AND BOTTOM SIDES OF LEAVES)





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http://www.tnstate.edu/agriculture/nrc/

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