



First Identify the Problem



Slime Mold (*Fulligo septica*) Japanese Maple (May 25, 2018)

Integrated Pest Management (IPM)

- Combines multiple strategies for controlling insect pests and disease
- IPM always begins with accurate pest identification. Good bug or bad bug?



Integrated Pest Management (IPM)

- Use pesticides only if nonchemical controls aren't effective.
- If pesticides are needed, use least toxic products first (soaps, oils, microbials such as Bt and spinosad).
- Less toxic to beneficial organisms.





Eriophid Mites are the Vector for the Rose Rosette Virus



Molly Giesbrecht, Texas A&M AgriLife Extension Service, Bugwood.org

Spread of Rose Rosette



Infected roses should be removed immediately or risk rapid spread and loss of all roses in a planting.



Bigleaf Hydrangea



Bigleaf Hydrangea



Cercospora Leaf Spot

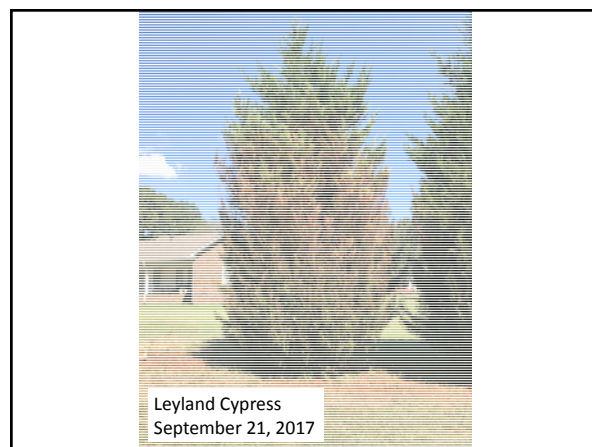
Bigleaf Hydrangea
September 14, 2018

Bigleaf Hydrangea Leaf Spot

- Provide adequate plant spacing for good air circulation
- Avoid watering late in the day
- Remove fallen leaves
- Apply fungicide at first sign of disease
- Spectricide Immunox
Garden Tech Daconil,
Ortho Garden Disease
Control



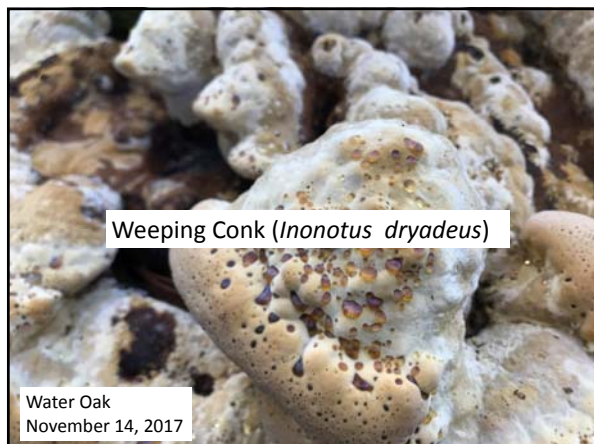
Leyland Cypress
October 31, 2017



Passalora Needle Blight Control Options

- Remove and dispose of infected branches or heavily disease trees
- Fungicides: Spectricide Immunox Garden Tech Daconil, Ortho Garden Disease Control
- Begin Fungicide applications by July 1 continue through October. Every 7-14 days







Emerald Ash Borer

- Small insect – 1/2" long x 1/16" wide
- Wing covers, abdomen and head are iridescent green
- Coppery purple/red body under the wings



Photo from <https://datcpervices.wisconsin.gov/eab>

EAB Larvae

- Tunnels beneath bark
- Distinct, S-shaped paths
- Larval galleries filled with frass
- D-shaped exit holes



David R. McKay, USDA APHIS PPQ, Bugwood.org

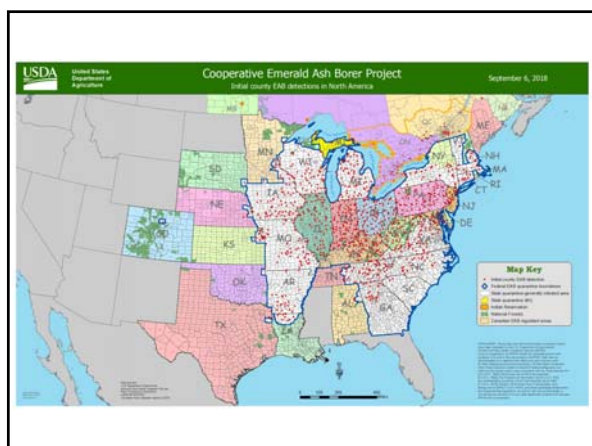


James W. Smith, USDA APHIS PPQ, Bugwood.org

D-Shaped Exit Holes

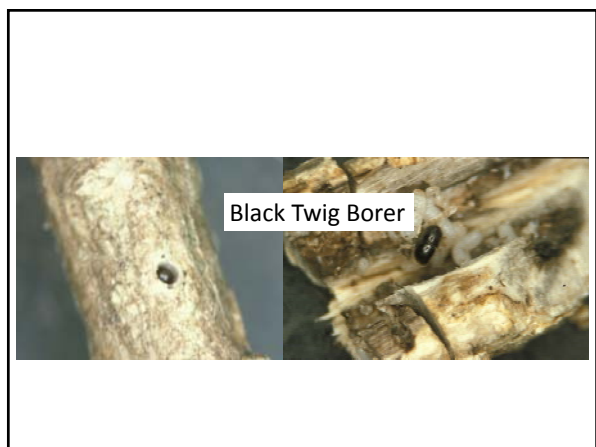


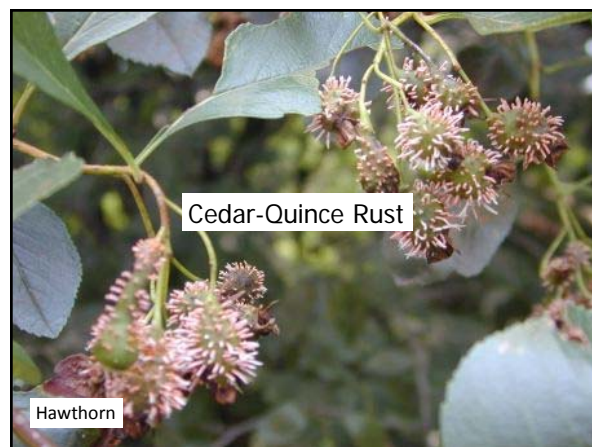
Joseph OBrien, USDA Forest Service, Bugwood.org

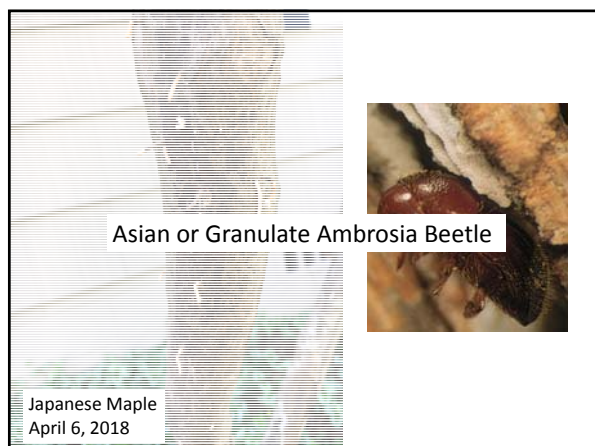


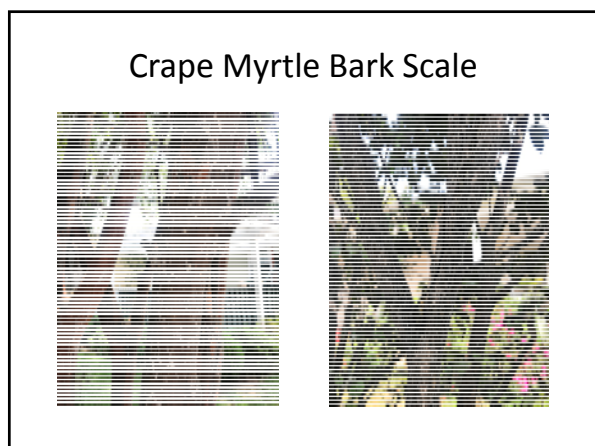
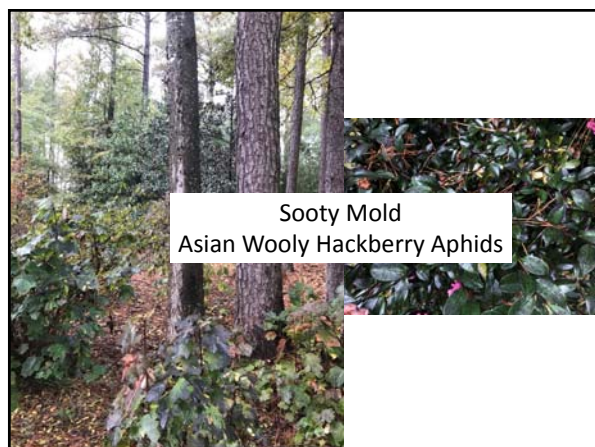
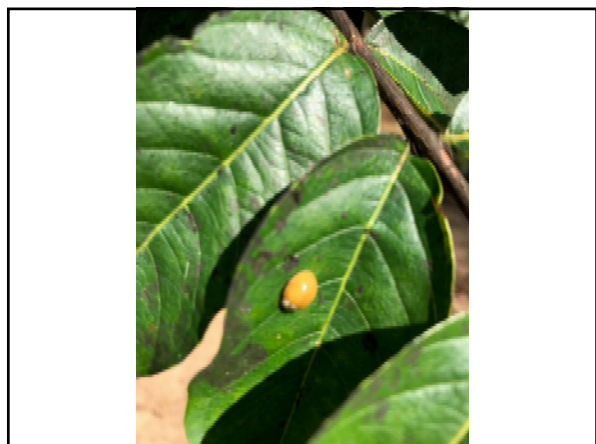
Southern Magnolia





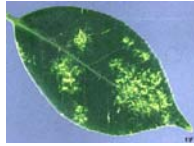






Tea Scale

- Most common on camellia, holly, and anise
- Horticultural oil targeting crawlers during growing season
 - First crawler emergence is April-May (2-3 generations/yr.)
- Bonide Systemic Insect Control (acephate)
- Acetamiprid (Ortho Flower, Fruit, and Vegetable Insect Killer) Translaminar Systemic
- Ortho Tree & Shrub Insect Control (Dinotefuran)



Common camellia

