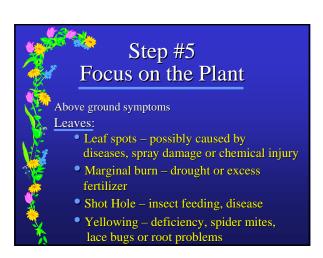


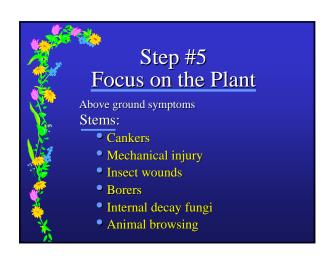
Winter Daphne (Daphne odora)

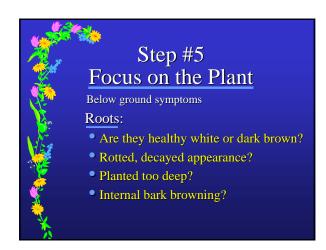




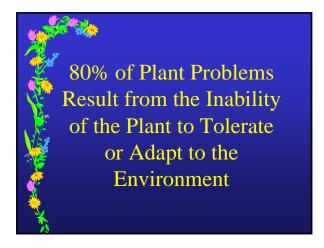
Step #4 Be Prepared to Ask for Samples • Helpful Diagnostic tools: • Hand lens • White paper • Pocket knife • Zip-lock plastic bag • Container for insects • Soil Bags











Avoiding Plant Stress It's a Killer!!!

Two Kinds of Plant Stress • Environmental Stress



Environmental Stress

- Too dry
- Too wet
- Fluctuations in soil moisture
- Too much sun
- Too much shade
- Cold injury
- Heat tolerance





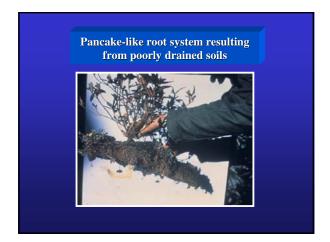




More plants are killed in Georgia from too much water than from the lack of water









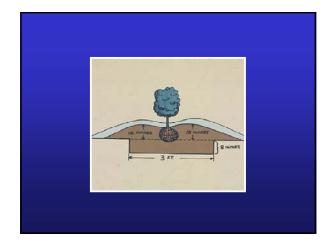






Solutions to Wet Sites

- Plant on elevated beds
- Break apart a hard-pan layer
- Select adapted plants
- Install Sub-surface drainage







Stressed plants are generally more prone to insect and disease problems.



Suggestions

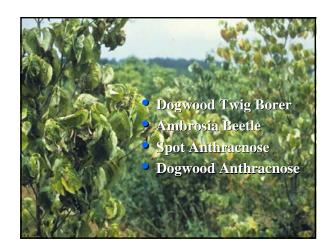
Instead of shore juniper, plant groupings of Siberian iris, ornamental grasses, daylilies, dwarf wax myrtle, asiatic jasmine, or Carolina jessamine. Red maple and/or hibiscus for height

Select adapted plants when you can't change the site













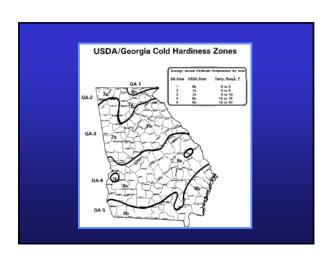
Sun/drought effects on Japanese Pachysandra





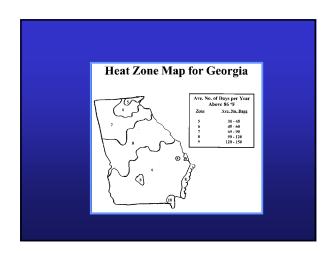














Some plants are less tolerant of stress than others and therefore more prone to problems when the environment isn't perfect











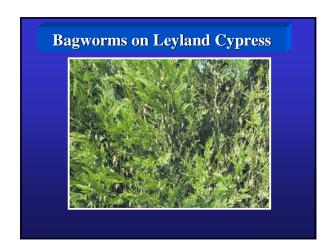








Bot Canker on Leyland Cypress



The Ideal Landscape Plant

- ☐ Requires no pruning
- ☐ Requires no supplemental fertilizer
- ☐ Requires no irrigation
- ☐ Has no known pests
- ☐ Tolerates extreme heat and cold
- ☐ Thrives on neglect









Cultural Causes of Plant Stress

- Planting too deep
- Planting too shallow
 Improper pruning
- Excess water ring
- Planting too close
- Too much mulch
- Over-watering
- Chemical injury
- Mechanical injury
- General plant abuse











Plants should fill the space... not compete for space



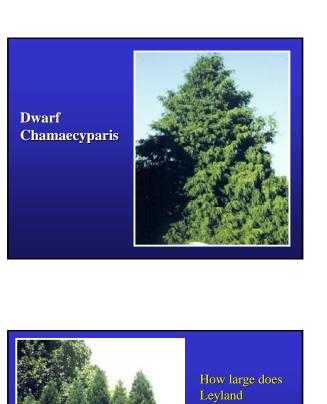


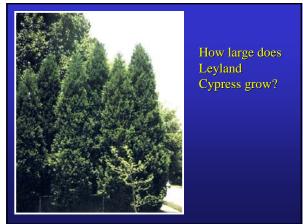




Consider the mature size and shape of ornamental plants when determining their location and spacing in the landscape















Select plants adapted to the site and the local environmental conditions

Above-average Tolerance to Moist Sites

- Weeping willow
- Red maple
- Bald cypress
- Yaupon/dwarf yaupon holly
- Sweetbay magnolia
- Wax myrtle
- Virginia sweetspire
- Clethra
- Iris
- Ornamental grasses

Plants Not Tolerant of Wet Sites or Extreme Fluctuations in Soil Moisture

- Juniper
- Azalea
- Camellia
- Cryptomeria
- Leyland cypress
- Ornamental cherries
- Helleri holly
- Winter daphne

Avoid Planting Plants with Similar Pest Susceptibility Side by Side

Possible Plant Combinations to Avoid

- Marigolds/daylilies/junipers spider mites
- Iris/junipers spider mites
- Spirea/crape myrtle aphids
- Lantana/ornamental sweetpotato –whiteflies
- Camellia/burford holly scale insects
- Azaleas/ornamental cherries

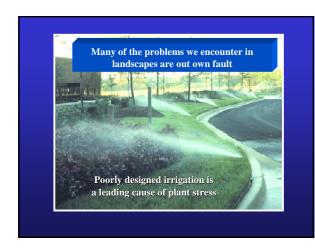
Look for Pest-resistant Alternatives

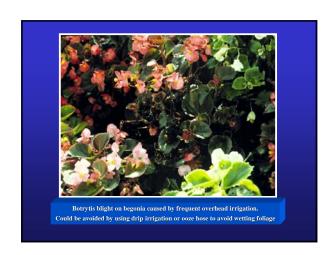


Native Plants are
Not Always
the Answer

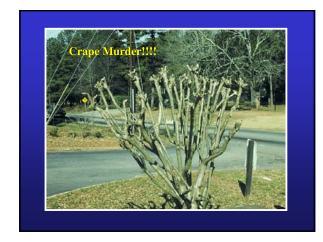






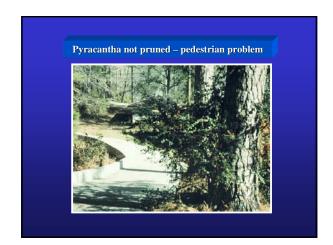












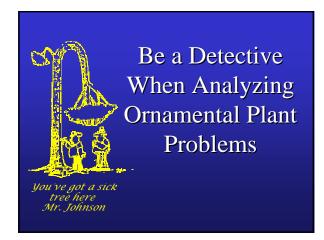














Diagnostic Resources

A compilation of Low-maintenance Plants for Georgia Landscapes

UGA Web Site:

www.uga.edu

Click on departments, then horticulture, then publications



