Diseases in the Garden
(Powdery Mildews)
Matt Hanson, UW-Extension Dodge County

Diseases in the Garden
(Downy Mildews)
Amanda Gevens, UW-Madison

Diseases in the Garden
(Viral Diseases)
Anette Phibbs, WI DATCP

Diseases in the Garden
(Foliar Nematode)

Diseases in the Garden
(Southern Blight)
Diseases in the Garden

White Mold

Aster Yellows

Tomato Blights

Black Rot

Common Corn Smut

Rhizosphaera Needle Cast
Diseases in the Garden

Brown Rot

Plum Pockets

Abiotic Disorders
- Chlorosis
- Impreis Injury
- Salt Damage
- Blossom End Rot
- 2,4-D Injury
- Urine Damage
- Cold Injury
- Drought Stress
- Heat Injury
- Winter Injury
- Improper Planting

Non-Diseases: Fungi/Fungi Allies
- Giant Puffballs
- Bird's Nest Fungi
- Lichens
- Stink Horns
- Slime Mold

Non-Diseases: Insects
- Maple Eyespot Gall
- Broad Mite Injury
- Spindle Gall
- Velvet Gall
Diseases in the Garden
Control

• Select the right plant for the right place
  – Hardiness
  – Environmental requirements
  – Alternate hosts
  – Disease resistance
• Select healthy plants
  – Transplants
  – Seeds

• Diversify and rotate
• Plant properly
  – Mulch properly
    – Type
    – Amount
• Fertilize properly
  – Amount
  – Timing

Diseases in the Garden
Control

• Water properly
  – Source
  – Amount
  – Delivery method
• Prune and thin routinely
• Control weeds

Diseases in the Garden
Control

• Clean up in the autumn
  – Burn
  – Bury
  – Compost
• Decontaminate gardening materials
  – Pruning tools
  – Pots and working surfaces
  – Soil

Diseases in the Garden
Control

• Fungicides/bactericides are a last resort
  – Chemical
  – Biological

Where to Go for Help

Plant Disease Diagnostics Clinic
Department of Plant Pathology
University of Wisconsin-Madison
1630 Linden Drive
Madison, WI 53706-1598
(608) 262-2863
pddc@plantpath.wisc.edu
http://pddc.wisc.edu
Follow the clinic on Twitter @UWPDDC