



Under shade will most likely deal with on Hydrangea macrophylla
 Which Hydrangea cultivars work best for you
 Fungicide sprays

POWDERY MILDEW



Consult with a plant pathologist/plant disease clinic

Several fungi can cause leaf spots on hydrangea: Mmbaga et al. 2011. J. of Phytopathology – Corynespora, Cercospora, Colletotrichum, Phoma, Myrothecium, Botrytis

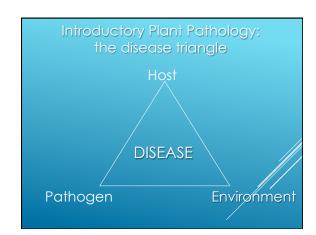
WARNING! LEAF SPOTS CAN LOOK VERY SIMILAR





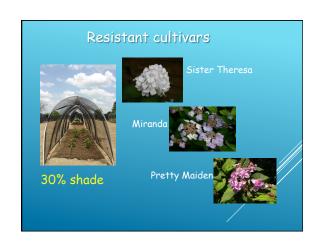








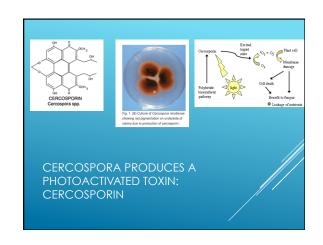


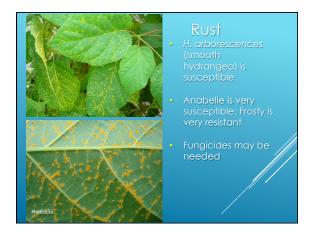




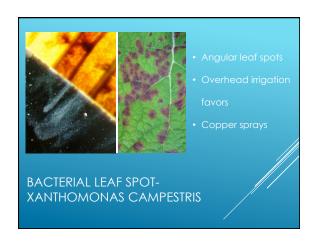


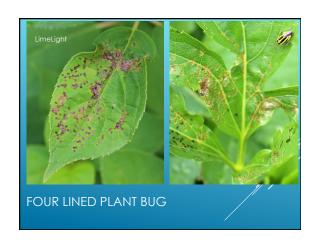






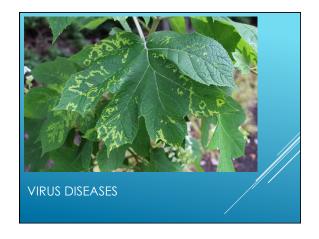








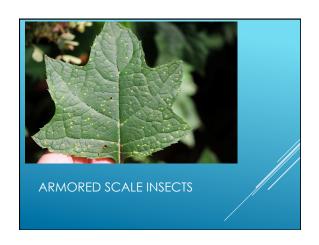








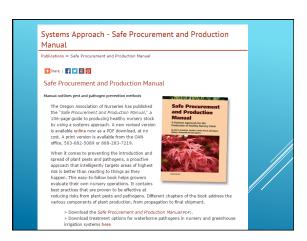




Looks at production path
High risk, vulnerable points of production are identified-"Critical Control Points"
CCP's are where pathogens may be introduced

SYSTEMS APPROACH TO DISEASE MANAGEMENT





Sharpen diagnostic skills
Inspect incoming and outgoing plants
Work cooperative with state regulatory, university and Extension personnel
Protect your reputation by following all shipping regulations

REDUCE RISK
RECEIVING AND SHIPPING

Limit access
 Propagate on site or buy local liners
 Grow stock plants or source cuttings locally
 Cuttings from diseased free plants only
 Propagate in raised beds or on benches to eliminate soil contamination
 Pay attention to detail/sanitation practices

REDUCE RISK - PROPAGATION

- Avoid species/cultivars not resistant to common diseases
 Avoid fields with known soil-borne pathogen problems
 Use new containers stored on concrete pads
 Ground pads should be contoured, covered with fabric or gravel
 Muddy containers could indicate root rot issues
 Limit visitors
 Clean vehicles and implements

 REDUCE RISK
 PRODUCTION AREAS
- How do you manage irrigation?
 Too much, too little or ill-timed can lead to issues
 Check water quality
 Drip irrigation on plants susceptible to foliar diseases

 REDUCE RISK
 WATER MANAGEMENT

- Train and designate at least one person as a scout
- Post images of your top ten disease/pest issues
- Outbreaks should be manned and reported
- Send employees to educational meeting:
- ▶ Use social media to stay engaged

REDUCE RISK
INTEGRATED PEST MANAGEMENT

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FOR MORE INFORMATION