# Phytophthora ramorum Movement

Eastern US Perspective

### Issues



- Biology
- Regulations
- Trace-Forwards

# Biology

Non-symptomatic positive plants

Symptom expression at temperature

extremes

Pathogen in soil



## Regulations

- No substantive changes in Federal Order in 5 years
- Eastern states have taken every step afforded to gain additional protection



### Trace-Forwards

Nursery stock high-risk pathway

Eastern ecosystems and climates highly-

susceptible

Burden on receiving states



## Eastern US Objective

- Protection of Environment
- Protection of Nursery& Forestry Industries
- Uniformity
- Equally Applied







Christel F. Harden
Department of Plant Industry
Clemson University
864-654-4685
charden@clemson.edu