Cultural Controls for Fusarium Management

CRYSTAL STEWART AND ROBERT HADAD
CORNELL COOPERATIVE EXTENSION
The latest research: Fusarium management

Cultural control trials:
- Raised bed vs flat ground
- Black and white plastics, straw mulch, bare ground
- Porcelain vs Rocambole

Nitrogen management and biological control trial
- Does N rate affect Fusarium level?
- Do biological controls and/or seed treatments work?
Cultural Controls
What affects Fusarium severity?

- Winter injury?
- Soil moisture?
- Soil temperatures?
- Plant health?
- Plant vigor?
- Plant injury?
Average of Weight per bulb (lbs)
Average Fusarium % by treatment

- Rocambole
- Bare Ground Black plastic
- Spring planted
- White plastic
- Straw mulch