Research and Regulatory Wrap Up

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CA Garlic & Onion Research Advisory Board
WHITE ROT UPDATE

- Registration Status
- Grant-In-Aid Program
- White Rot Master Plan
- GPS Mapping Program Grant
2012 Research Projects

WHITE ROT

- Davis/Ferry (UCDavis)- Sensitivity of white rot to various fungicides
- BoMing Wu (Oregon State) New strategies for managing white rot
- Eady (New Zealand Crop & Food Research) Biotech development white rot resistance
- Turini/Biscaro/Wu White Rot mapping and site specific management for garlic and onion fields in Fresno County
White Rot Mapping Plan

- Utilize GPS mapping system
- Use software to allow mapping of infected sites
- Use computer software to treat, when possible, infected sites plus offset
- Obtain additional grant $$ to expand program and purchase additional hardware and software for mapping and application
WHITE ROT MASTER PLAN

- Inspection of all garlic seed fields
- Garlic seed field maintenance
- Policy for planting and harvesting from areas known to have white rot
- Reporting of fields with white rot infection
- Treatment for known infestations (all Allium producers)
- Certified Garlic Seed Programs
- Development of methods to reduce soil populations of white rot sclerotia
Garlic Rust Management

- First observed CA 1934
- Severe outbreak spring 1998
- Section 18 for Folicur 1999 (7 years except 2003)
- Azoxystrobin (Quadris) is only other registered compound
- Steve Koike/Richard Smith (Salinas) to screen new products & evaluate management plan. Koike & Board Task Force build Management Plan
IYSP and Thrips Control

Researchers:

- Hanu Pappu (WA State Univ. Virology)
- Eric Natwick (UCCE Imperial Valley)
- Donna Henderson (UCCE Imperial Valley)
- Steve Orloff/Larry Godfrey (Tulelake)
- Tom Turini (UCCE Fresno County)
- Mike Davis (UC Extension Pathologist, Davis)
- Howard Schwartz (CSU)
IYSP and Thrips Control

- Determine effects of early season preventative treatments
- Identify thrips species during season
- Evaluate an alternating programmed spray program for thrips
- Determine overwintering sites for thrips
- Evaluate new chemistries for control
Seed Corn Maggot

- Rob Wilson/Larry Godfrey (UCCE/IREC)
  - Evaluation of seed treatment products
- Mary Ruth McDonald (Univ. of Guelph, Ontario)
- Commercial evaluation of FarMor seed treatment
Weed Control Processed Onions

- Weed Control
  - Rob Wilson (IREC) Herbicide programs for weed control in processed onions
Thank you to:

- Syngenta
- Dow Chemical
- Bayer CropScience
- DuPont
- Valent
- MANA
- BASF
- Bejo Seeds
- John Deere Water
QUESTIONS???

THANKS FOR YOUR TIME