WELCOME TO THE 2011 CALIFORNIA GARLIC & ONION SYMPOSIUM

Kevin Lehar
Chairman
California Garlic & Onion Research Advisory Board
The CA Processed Onion and Garlic Industry

**Garlic**
- Estimate 17,500 for 2011 crop
- 91% of total US production
- 95% Fresno, Kern, Kings Counties
- 65% processed
- Farm gate value $190 million
- Ranks 35th in state crop value

**Onions**
- 49,000 acres statewide (rank 29th in state crop value)
- 22,500 processing onions
- Also grow in AZ, NV, OR
- ~50% of production processed
- Farm gate value processed onions $120 million
- * Based on 2009 Ag Commissioner’s Data
FORMATION OF MARKETING ORDER: MEMBERSHIP

- All fresh, dehydrated and processed garlic
- All processed onions
- All seed onion and garlic growers
- Areas include Southern desert, San Joaquin Valley and Tulelake production regions
- CURRENT MEMBERS:
  Sensient Dehydrated Flavors, Christopher Ranch, Harris Fresh, Sequoia Packing, The Garlic Company, Olam Spices and Vegetables, George Chiala Farms and their growers
RESEARCH BUDGET

Commitment to Generate $100K per year for:

- White rot research
  - Conventional and Biopesticide research
  - Application technology
  - Biotech project with New Zealand Institute for Crop Research
- Solutions to other pest problems:
  - Garlic Rust
  - Iris Yellow Spot Virus
  - Bulb mites
  - Nutsedge and bindweed
2010 Research Projects

WHITE ROT

- **Davis/Ferry (UCDavis)** -
  *Sensitivity of white rot to various fungicides*

- **BoMing Wu (Oregon State)** -
  *New strategies for managing white rot*

- **Giles/Moules (UCDavis Ag Engineering)** -
  *Machinery development for chemical placement white rot products*

- **Turini (UCCE Fresno)** -
  *Fungicide applications through drip irrigation for white rot*

- **Eady (New Zealand Crop & Food Research)** -
  *Biotech development white rot resistance*
2010 Research Projects

- INSECT CONTROL
  - Rob Wilson/Larry Godfrey (UC IREC/UCDavis)
    Seed corn maggot control with seed treatments
  - Mary Ruth McDonald (Univ. of Guelph, Ontario)
    Seed treatments for control of maggots on onions
  - Hanu Pappu (WSU)
    Management of Iris Yellow Spot Virus and thrips in onions
  - Steve Orloff/Larry Godfrey (UCCE Siskiyou Co./UC Davis)
    Thrips management in Klamath Basin
  - Eric Natwick/Donna Henderson (UCCE Imperial Co.)
    Management of IYSV and thrips in onions
2010 Research Projects

- Weed Control
  - Rob Wilson (IREC)

*Herbicide programs for weed control in processed onions*
RESEARCH FUNDING 2005-2011

- WHITE ROT RESEARCH
  - $331,900

- ONION THRIPS, WEED CONTROL & RUST/DISEASE MANAGEMENT
  - $129,070

Six year total $460,970
REGISTRATION ACTIONS

- CAGORAB/Industry Partnerships
  - Cannonball (fludioxonil)
    work with IR-4 and Syngenta to obtain soil/in-furrow label for white rot
  - Endura (boscalid) from BASF –
    provided efficacy data to support CA registration currently under review
  - Touchdown Total (glyphosate) from Syngenta-
    provided efficacy and residue data and justification for SLN (Sec. 24(c)) under review
  - GoalTender Herbicide (oxyfluorfen)
    worked with Dow to maintain use on onions first leaf
OUTREACH ACTIVITIES

• Member CA Specialty Crops Council
  23 members with 18 commodity groups from bees to peppers to peaches and prunes
  Member and Chairman of CSCC Research Committee

• Member of CDFA Office of Pesticide Consultation & Analysis (OPCA) Advisory Committee
  Participating with SureHarvest in a CDFA Specialty Crop Grant for Sustainable Ag.
OUTREACH ACTIVITIES

- Participated in Washington DC meeting with USDA, Dept. of State, and EPA Office of Pesticide Programs.
OUTREACH ACTIVITIES

- Participated in Minor Crops Tour with 48 participants from USDA, EPA, CDFA, CA DPR, IR-4, Cal Poly, UCDavis and UC IPM.
CRITICAL ISSUES FOR INDUSTRY

- Water
  - Cities versus Agriculture
  - Endangered species (Delta smelt)
- Environmental Issues
  - Clean Water Act
  - VOCs (Clean Air Act)
  - Endangered species
- Foreign competition
  - China, India, Argentina
- Anti-Ag sentiment
  - Federal and State Governments
  - US EPA and CAL EPA
- Loss of funding for University Extension Agents
CAGORAB CORE OBJECTIVES

- Reinstate White Rot Master Plan
  - *Industry agreed to guidelines for preventing further spread of white rot*

- Consider new integrated strategies, including biotech, biopesticides, and cultural control to manage white rot

- Expand scope of Research Board to Include All Allium Crops
  - *Ask dry bulb industry to participate on ad hoc basis for non-white rot problems*
  - *Provide a unified voice for CA Allium production*

- Update Research Objectives with Input from All of Allium Industry
WELCOME TO:
WWW.CAGARLICANDONION.COM
QUESTIONS???

THANKS FOR YOUR INTEREST AND SUPPORT!