

California Garlic & Onion  
Research Advisory Board

**CALL FOR PROPOSALS 2005/2006 CROP SEASON  
PROPOSAL DUE DATE: DECEMBER 1, 2005**

The purpose of the California Garlic and Onion Research program is to maintain and expand California's position as a leader in the production, processing and distribution of garlic and onions through adequate funding of research and survey studies relating to the production, processing, and distribution of garlic and processed onions. It is intended that such activities include, but not be limited to, research and survey programs relating to disease prevention, insect management, weed control, efficient fertilizer use, tillage, irrigation and harvesting.

The California Garlic and Onion Research Advisory Board extend an invitation to interested parties to submit research proposals for project funding. Specific research interests are prioritized in the attachment included with this request for research proposals. We especially encourage projects geared toward short, intermediate and long term research concerning management of the white rot organism (*Sclerotium cepivorum*). Multiple year projects will also be considered.

The CA Garlic and Onion Research Advisory Board is in its first year of operation. Through mandatory assessments, it is our goal to fund \$100,000 annually for basic and applied research as well as for demonstration projects. We highly encourage proposals that allow cost sharing with other sources.

Research proposals are due in the CA Garlic and Onion Research Advisory Board office by **Thursday, December 1, 2005**. Electronic submission of RFPs is acceptable. Please send them to: [robertehn@sbcglobal.net](mailto:robertehn@sbcglobal.net). The Garlic and Onion Research Committee will review all proposals by **December 15, 2005** and a formal notification on acceptance of research proposals will be issued within 10 days of the December meeting. Research projects submitted by University of California and California State University researchers will be given first priority. Because of the need for global cooperation on white rot research, we encourage white rot researchers to develop collaborative proposals that may be considered by the Research Committee. A suggested format for Research Project Proposals is also attached.

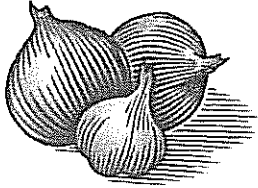
If you have any questions concerning listed research objectives or requirements for completing the research proposal, please contact the Research Advisory Board CEO/Technical Manager, Robert Ehn by telephone at (559) 297-9322 or by e-mail at the address listed above. We look forward to your proposals.

## CALIFORNIA GARLIC AND ONIONS RESEARCH ADVISORY BOARD

### 2005/2006 Research Proposal Priorities (Research interests prioritized within groups)

#### Diseases

- White Rot (garlic and onions)
  - Continue evaluation of chemical controls in conjunction with biostimulants
  - Evaluate reduced rates of synthetic stimulant DADS
  - Evaluate in season chemical treatments applied via chemigation/drip irrigation
  - Evaluate solarization/flooding as practical control measure with emphasis in Tulelake area
  - Develop and assess biotechnology approach for Alliums germplasm resistant to white rot
  - Develop practical field survey and bioassay method for determining levels of white rot sclerotia in field
  - Reinstitution white rot stewardship plan for all growers
- Garlic Rust (Garlic)
  - Continue IR-4 support for Folicur (tebuconazole) registration
  - Screen new fungicides for activity
  - Identification of resistant varieties
- Botrytis (onions and garlic)
  - Determine fungicide spray timing for *B. alli*
  - Develop predictive model for *Botrytis alli/porri* including environmental parameters for infection
- Soft Rots (onions and garlic)
  - Continue to evaluate copper and chlorine as control agents
  - Determine sprinkler irrigation effect on disease development
- Downy Mildew (onions)
  - Screen new fungicides for activity on mildew



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#### Nematodes

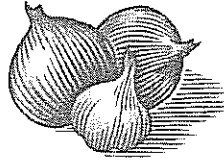
- Bulb and Stem (onions and garlic)
  - Develop testing program for garlic cloves
  - Screen chemical control products as replacement for Vydate
  - Confirm effect of non-host plants/rotations on reducing bulb and stem nematode populations in field

#### Insects/Mites

- Thrips (onions)
  - Test new conventional chemistry and biorational pesticides to control thrips feeding and spread of IYSV
  - Evaluate biotech utility in developing resistant varieties
  - Determine contribution of thrips in garlic to ISYN spread
- Maggots (onions)
  - Test new chemistry for maggot control
  - Determine impact of loss of OP chemistry on control
- Bulb Mites (onions)
  - Determine source of infestation (seed/soil/debris)
  - Screen new pesticides for control

#### Weeds

- Screen new herbicides for pre-emergence activity
- Register Roundup on onions and Shark/ET on onions and garlic for pre-harvest control of morningglory, field bindweed and nutsedge



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**REQUEST FOR PROPOSAL (RFP)  
(Suggested Format)  
RESEARCH PROPOSAL**

California Garlic and Onion Research Advisory Board  
1629 Pollasky, Suite 111  
Clovis, CA 93612

Project Title: Provide brief description of project.

Principal Investigator: Give name, address, contact information for PI.

Cooperators: List names, addresses

Abstract of previous work: Include when appropriate.

Past Funding: List if applicable.

Proposed Funding: Attach details of anticipated costs.

Justification of Research: Describe research need.

Research Objectives: Provide statement of specific objectives in concise terms.

Work Plan/Procedures: Describe basic experimental plan.

Success criteria/Benchmarks: List time lines for project benchmarks including dates of initiation, completion of study and presentation of data.

Suggested budget detail:

Salaries	Benefits	Travel	Communication	Supplies
Services	Equipment	Contractual	Indirect	

Signature page: Allow room for PI signature and approval by Research Advisory Committee chair and Board Chairman.