

Pest Science Conference

2003

Pest managers today are under increasing pressure to cost effectively manage key pests but to also provide utmost protection of the environment. The high crop quality emphasized for most commodities, the difficult agricultural economy in many situations, and new exotic pests are among the factors putting added pressure on obtaining efficient pest management. New laws and regulations, affecting water, air, and overall environmental quality have placed added burdens and challenges on pest management. Information and knowledge are paramount for keeping abreast of new developments and for optimizing IPM programs. The flow of information occurs today at unprecedented speed (fueled by the internet); however, in many cases hands-on, oral presentation, and question & answer sessions still function the best for information exchange. Discussing research one-on-one with those involved in the studies has several advantages and that is indeed the strength of this Conference. The UC-Davis College of Agricultural and Environmental Sciences and the "pest management" departments (Entomology, Plant Pathology, Nematology, and Vegetable Crops/Weed Science) are pleased to present the 2003 Pest Science Conference.

This one-day conference will emphasize some of the most relevant topics for pest managers. The first session deals with new regulations for pesticides and water quality which are presently just being developed and adapted for agriculture. The most up-to-date information in this rapidly evolving area will be emphasized. The second portion of the morning session will detail West Nile Virus, a human (and other animals) mosquito-transmitted disease which is approaching CA; the implications this may have on agriculture will be discussed. New management strategies will be emphasized during the afternoon sessions, starting with new methods of control including new pesticides and concluding with new application techniques. Demonstrations and hands-on activities will be available and participants are encouraged to partake in these activities during the breaks and at lunch. Numerous hand-outs will be available, as well as opportunities to discuss topics with the researchers.

Schedule of Events

- 8:30 am Welcome-- Introduction and announcements
Larry Godfrey, Dept. of Entomology, University of California, Davis
- Water Quality Issues-- Moderator: *Rick Roush, Dept of Entomology, University of California, Davis*
- 8:35 am "Ag Discharge Waivers: What Are They, Why Are They Needed, and What PCAs Need to Know?"
Bill Croyle, Chief Irrigated Land Waiver Unit, California Regional Water Quality Control board-- Central Valley Unit, Sacramento
- 8:55 am "General Issues Regarding TMDLs for the Central Valley"
Les Grober, California Regional Water Quality Control Board--Central Valley Unit, Sacramento
- 9:10 am "Proposed TMDL for Diazinon and Chlorphrifos in the San Joaquin River"
Diane Bealaurier, California Regional Water Quality Control Board--Central Valley Unit, Sacramento
- 9:25 am "How to Avoid Problems in Orchards"
Frank Zalom, Dept. of Entomology, University of California, Davis
- 9:40 am "Avoiding Herbicide Run-off in Rice"
James Hill, Dept. of Agronomy and Range Science, University of California, Davis
- 9:55 am "Factors Related to Water Quality and Pesticide Use in Urban Areas"
Mary Lou Flint, Dept. of Entomology, University of California, Davis
- 10:15 am Break and view demonstrations
- West Nile/Resistance Issues-- Moderator: *Greg Lanzaro, Dept. of Entomology, University of California, Davis*
- 11:00 am "West Nile Virus: Conditions Conducive to Spread in Agricultural and Urban Situations"
Anton Cornel, Dept. of Entomology, University of California, Davis and UC Kearney Agricultural Center, Parlier
- 11:30 am "Popular Myths about Managing Pesticide Resistance"
Rick Roush, Dept. of Entomology, University of California, Davis
- 12:00 pm Lunch

New Management Techniques-- Moderator: *Frank Zalom*

- "New Pesticides on the Market and What We Know About Them"
- 1:00 pm Herbicides
Tom Lanini, Dept. of Vegetable Crops, Weed Science Program, University of California, Davis
- 1:15 pm Insecticides
Larry Godfrey, Dept. of Entomology, University of California, Davis
- 1:30 pm Fungicides
Mike Davis, Ph.D., Dept. of Plant Pathology, University of California, Davis
- 1:45 pm "Recent Developments Related to Diseases of Fruit and Nut Trees"
Beth Teviotdale, Dept. of Plant Pathology, Univ. of California, Davis and UC Kearney Agricultural Center, Parlier
- 2:15 pm "Dubious Products for Managing Pests in Urban Areas"
Mike Rust, Dept. of Entomology, University of California, Riverside
- 2:45 pm Break

Application Techniques-- Moderator: *Larry Godfrey*

- 3:00 pm "Optimum Parameters for Drip Fumigation with Methyl Bromide Alternatives"
Husein Ajwa, Dept. of Vegetable Crops, University of California-Davis, Salinas
- 3:30 pm "New Developments in Pesticide Application Equipment"
Ken Giles, Dept. of Biological and Agricultural Engineering, University of California, Davis
- 4:00 pm Wrap-up-- *Larry Godfrey*
- 4:10 pm Adjorn



The conference will begin at **8:30 a.m.** on **Thursday, December 18, 2003** at the Buehler Alumni/Visitors Center, Lot #VP 1. Bring \$6.00 for parking.

The registration fee is \$50.00. Lunch and handouts are included in the registration fee, along with live demonstrations.

To register, return this form and your check (Make checks payable to UC Regents) by Dec 12, 2003 and send to:

Janice Heine
Dept of Entomology
One Shields Ave.
University of California
Davis, CA 95616

For additional questions, call (530)752-0492

PCA credit for 6 hours (1 hour Laws & Regs) is pending.



REGISTRATION FORM

Mail to:

Department of Entomology
One Shields Avenue
University of California
Davis, California 95616

Name: _____

Affiliation: _____

Address: _____

Phone: _____

Email: _____

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University of California
Davis, California 95616

You may view a campus map on the UC Davis web page:

http://www.cevs.ucdavis.edu/vs_pages/vt_our/maps/map_overview.htm

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THURSDAY, DECEMBER 18, 2003
BUEHLER ALUMNI/VISITORS CENTER,
UNIVERSITY OF CALIFORNIA, DAVIS
8:30 AM

**Presented by these U.C. Davis
Departments:**

Entomology
Nematology
Vegetable Crops/Weed Science Program
Plant Pathology

