

CALIFORNIA PLANT & SOIL CONFERENCE
Optimizing Agriculture with Diminishing Resources

TUESDAY, FEBRUARY 2, 2010

- 10:00 **General Session Introduction** – Session Chair & Chapter President – **Joe Fabry**, Fabry Ag Consulting
- 10:10 **Beware the Myth of the Easy Fix: Conflicts Over California’s Natural Resources are NOT Simply “Fish Versus Agriculture”** - **John Shelton**, Staff Environmental Scientist concentrating on Water Planning for the Central Region DFG
- 10:40 **Legal Aspects Affecting Water Battles** - **Chris Campbell**, Attorney with Baker Manock & Jensen
- 11:10 **Economics of Water Deliveries** - **David Sunding**, UC Berkeley
- 11:40 Discussion

12:00 **Luncheon Speaker:**

Dan Dooley, Vice President, Division of Agriculture and Natural Resources, University of California

CONCURRENT SESSIONS (PM)

- | I. Pest Management | II. Nutrient Management |
|--|---|
| 1:30 Introduction - Session Chairs: Brad Hanson, USDA-ARS; Tom Babb, CA Dept. of Pesticide Regulation | 1:30 Introduction – Session Chairs: Sharon Benes, CSU, Fresno; Nathan Herringa, Innovative Ag Services |
| 1:40 Pesticide Use Reduction in CA peach and nectarines – Matt Fossen, CA Dept. of Pesticide Regulation | 1:40 Evaluation of Organic vs. Inorganic-based Fertilizer - Chris Van Kessel, UC Davis |
| 2:00 Herbicide Resistant Conyza in the San Joaquin Valley – Anil Shrestha, CSU Fresno | 2:00 Nutrient Ratios, Sufficiency Levels, or Both? – Nat Dellavalle, Dellavalle Laboratory, Inc. |
| 2:20 Organic Almond Production in the S. San Joaquin Valley – Brent Holtz, UCCE Madera Co. | 2:20 Plant Nutrition and Responses to Stress – Emanuel Epstein, UC Davis |
| 2:40 Discussion | 2:40 Discussion |
| 3:00 BREAK | 3:00 BREAK |
| 3:20 Current and Emerging Invasive Insect Pest Problems in CA – Ted Batkin, Citrus Research Board | 3:20 Managing Soil Microbiology for Improved Nutrition – Tom Gerecke, Actagro Plant Nutrients |
| 3:40 Effect of Reduced Irrigation Allotments on Lygus and other Insect Problems – Pete Goodell, UC IPM | 3:40 Nutrient Considerations When Converting to Microirrigation – Jerome Pier, Crop Production Services |
| 4:00 Movement of Glassy Wing Sharpshooter in a Deficit-irrigated Citrus Orchard – Rodrigo Krugner, USDA-ARS | 4:00 Fluctuating Fertilizer Prices: Getting the Right Information to Make Good Decisions – Rob Mikkelsen, IPNI |
| 4:20 Discussion | 4:20 Discussion |
| 4:30 ADJOURN | 4:30 ADJOURN |

ADJOURN to a Wine and Cheese Reception in the Poster Room.

A complimentary drink coupon is included in your registration packet.

WEDNESDAY, FEBRUARY 3, 2010
CONCURRENT SESSIONS (AM)

III. Changing Landscapes: Drivers and Trends for Production Agriculture

- 8:30 **Introduction** – Session Chairs: **Lori Berger**, CA Specialty Crops Council and **Ben Faber**, UCCE, Ventura Co.
- 8:40 **Conservation and Food Safety** – Daniel Mountjoy, NRCS
- 9:00 **Sustainability Initiatives** – Andrew Arnold, SureHarvest
- 9:20 **Row Crop Trends** – Roger Isom, CA Cotton Growers
- 9:40 Discussion
- 10:00 BREAK**
- 10:20 **Transitioning to Organics and/or Sustainable Agriculture** – Richard Molinar, UCCE Fresno Co.
- 10:40 **Tree Crop Trends** – Joe Grant, UCCE San Joaquin Co.
- 11:00 **What is Driving CA Agriculture.**– Mechel Paggi, CSU, Fresno
- 11:20 Discussion

IV. Water Management

- 8:30 **Introduction** – Session Chairs: **Larry Schwankl**, UCCE UC Davis and **David Goorahoo**, CSU, Fresno
- 8:40 **Irrigating Winegrapes with Limited Water Supplies** – Terry Prichard, UCCE, UC Davis
- 9:00 **Irrigating Pistachios with Limited Water Supplies** – David Goldhamer, UCCE, UC Davis
- 9:20 **Irrigating Corn with Limited Water Supplies** – Carol Frate, UCCE Tulare Co.
- 9:40 Discussion
- 10:00 BREAK**
- 10:20 **Issues in the San Joaquin Delta** – Jay Lund, UC Davis
- 10:40 **Issues in the San Joaquin Delta** – Jay Lund, UC Davis
- 11:00 **Environmental Issues in the San Joaquin Delta** – John Herrick, Attorney for South Delta Irrigation District
- 11:20 Discussion

12:00

ANNUAL CHAPTER BUSINESS MEETING LUNCHEON:
Presentation of Honorees, scholarship awards and election of new officers

CONCURRENT SESSIONS (PM)

V. Dairy Issues

- 1:30 **Introduction** – Session Chairs: **Brook Gale**, USDA, NRCS and **Nathan Herringa**, Innovative Ag Services
- 1:40 **Effect on Dairy Diets on Manure Mineral Composition** – Alejandro Castillo, UCCE Merced Co.
- 2:00 **Management of Groundwater Use on Dairy Facilities** – Ken Schmidt, Ken Schmidt and Associates
- 2:20 **Importance of Customizing the Sampling and Analysis Plan for Your Dairy** – Ben Nydam, Dellavalle Laboratory, Inc.
- 2:40 **BREAK**
- 3:00 **Updates on Carbon Sequestering and Implementing reduced Tillage on Dairy Farms** – Jeff Mitchell, UCCE, UC Davis
- 3:20 **4 Year Progress Report on Reduced Tillage from a Dairy Farmer Perspective** – Dino Giacomazzi, Dairy farmer
- 3:40 **Groundwater Salt Risks from Dairy Ponds, Corrals, and Cropland Sources** – Thomas Harter, UCCE UC Davis
- 4:00 Discussion and **ADJOURN**

VI. Optimizing Agriculture with Diminishing Resources

- 1:30 **Introduction** – Session Chairs: **Steve Grattan**, UCCE, UC Davis, and **Joe Voth**, Paramount Farming Company
- 1:40 **Sustainability of Westside Agriculture: Need for a Comprehensive Salinity Management Plan** – Jose Faria, DWR
- 2:00 **Forage Production Using Saline Drainage Waters** – Sharon Benes, CSU Fresno
- 2:20 **Tree Tolerance to Salinity and Potential Toxicities due to Na, Cl, and Boron** – Patrick Brown, UC Davis
- 2:40 **BREAK**
- 3:00 **Salinity Management Under Drip and Microsprinklers: Leaching and Salt Distribution Patters** – Blaine Hanson, UCCE, UC Davis
- 3:20 **Drip Irrigation Filtration and Acidification of Irrigation Waters** – Larry Schwankl, UCCE, UC Davis
- 3:40 **Strategies to Improve Soil Physical Conditions (Conservation Tillage, Maintaining High Org. Matter, Management)** – Jeff Mitchell, UCCE, UC Davis
- 4:00 Discussion and **ADJOURN**