

**2014 California Plant and Soil Conference**  
**Building Resiliency in California Agriculture**  
**TUESDAY, February 4 and WEDNESDAY, February 5, 2014**  
**Fresno Radisson Hotel and Conference Center, 2233 Ventura Street, Fresno, CA**

9:50 **General Session Introduction** – Chapter President – Dave Goorahoo, California State Univ., Fresno

10:00 **KEYNOTE - SPEAKER** Hank Giclas, Western Growers Association, “Anecdotes and Data: A Shotgun Wedding”

**DAY 1 (February 4) CONCURRENT SESSIONS – 10:55AM – 12:15PM**

<b>Session 1 – Food Safety</b>		<b>Session 2 – Water and Drought Management</b>	
10:55	Session Chairs: Karen Lowell, NRCS; Scott Stoddard, UCCE	10:55	Session Chairs: Florence Cassel-Sharma, CSU Fresno; Dan Munk, UCCE, Bob Hutmacher, UCCE
11:00	Jim Gorny: Produce Marketing Association; “Understanding the Complexity of Managing for both Crop Yield/Quality and Food Safety”	11:00	Jim Ayers, USDA/ARS, “Water and Nitrogen Requirements for Developing Pomegranates”
11:25	Trevor Suslow, UC Davis; “Overview: Microbiological Hazard Associated with Water In Crop Production”	11:25	Rick Snyder – UC Davis/UCCE, “Evapotranspiration-based Scheduling During a Drought “
11:50	Trevor Suslow, UC Davis: “Factors Influencing Pathogen Persistence in Crop Environment”	11:50	Shankar Sharma, Calif. Natural Resources Agency DFW-IDR, “Water Balancing and Nutrient Bioavailability under Renewable Energy Development in Desert Agro-ecosystems”

**HOSTED LUNCH – Opportunity to Network: 12:15PM – 1:25PM**

**DAY 1 (February 4) CONCURRENT SESSIONS – 1:30PM – 2:50PM**

<b>Session 3 – Pest Mgmt. (emphasis on IPM)</b>		<b>Session 4 – Nutrient Management</b>	
1:30	Session Chairs: Mark Sisterson, USDA-ARS; Warren Hutchings, Innovative Ag; Anil Shrestha, CSU Fresno	1:30	Session Chairs: Dan Munk, UCCE; Scott Stoddard, UCCE; Richard Smith, UCCE
1:35	Joe Siegel, USDA-ARS, “Navel Orangeworm Control in Almonds and Pistachios: Maximizing the Impact of Insecticides through Improved Timing, Coverage and Choice of Material”	1:35	Marsha Mathews, David Crohn, Jorge Delgado and Khaled Bali UCCE, “New Nitrogen Budget Tool for Agronomic Crops”
2:00	Mary Lou Polek, Citrus Research Board, “The Challenge of Managing Huanglongbing (HLB) Disease and its Vector, the Asian Citrus Psyllid”	2:00	Katherine S. Pope, UC Davis, “Optimizing Fertilizer Management in Walnuts”
2:25	Kurt Hembree, UCCE Fresno, “Potential Herbicide Carryover in Western Fresno County Drip-irrigated Fields”	2:25	Tim Hartz, UC Davis/UCCE, “Nitrogen Budgeting for Annual Crops”

**BREAK – 3:00PM – 3:20PM**

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**DAY 1 (February 4) Continued- CONCURRENT SESSIONS – 3:20PM – 4:40PM**

<b>Session 5 – Pest Mgmt (emphasis on environmental impacts)</b>		<b>Session 6 – Nutrient Management</b>	
3:20	Session Chairs: Mark Sisterson, USDA-ARS; Warren Hutchings, Innovative Ag; Anil Shrestha, CSU Fresno	3:20	Session Chairs: Dan Munk, UCCE; Scott Stoddard, UCCE; Richard Smith, UCCE
3:25	Eric Mussen, UC Davis, “Honey Bees and Pesticides”	3:25	Scott Bucy, Fruit Growers Laboratory, “The What, Why, When and How of Soil and Plant-tissue Sampling”
3:50	Parry Klassen , CURES, “Management Practices to Protect Surface Water from Pesticide Impacts”	3:50	Erik Athorp, SSJV Water Quality Coalition, “Implementing the ILRP: A Coalition Perspective”
4:15	Randy Segawa, California Dept. of Pesticide Regulation, “Reducing Air Impacts of Pesticides”	4:15	Will Horwath, UC Davis, “Will We Ever Get Fertilizer Nitrogen Applications Right?”
4:40	Discussion	4:40	Discussion

**EVENING SOCIAL – POSTER SESSION, WINE AND CHEESE RECEPTION (5:30pm; Location TBD)**

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**DAY 2 (February 5) CONCURRENT SESSIONS – 8:30AM – 9:50AM**

<b>Session 7 – Salinity Management, Problem Soil Issues</b>		<b>Session 8 – Wastewater and Manure Management</b>	
8:30	Session Chairs: Steve Grattan, UC Davis/UCCE; Bob Hutmacher, UC Davis/UCCE	8:30	Session Chairs: Dave Goorahoo, CSU Fresno; Toby O’Geen, UC Davis/UCCE
8:35	Parry Klassen and Daniel Cozad, CV SALTS, “Regional Salinity Management Challenges and the CV-SALTS Opportunities”	8:35	Robert Mikkelsen, Intl. Plant Nutr. Institute. “Nitrification and Mineralization Dynamics Associated with Manure Management Practices”.
9:00	Dan Putnam, CE Specialist, UC Davis, “Field and Greenhouse Studies to Evaluate Salt-tolerant Alfalfa Varieties”	9:00	Sanjar Taromi, Biofiltro Inc. “Implementing ‘BIDA’ Technology to Manage Dairy, Food Processing, and Municipal Wastewater”
9:25	Gary Bañuelos, USDA/ARS “Alternate Crops for High Salt and Boron Conditions”	9:25	John Suen, CSUF, “Using Nitrogen Isotopes to Trace Nitrates in Dairy and Municipal Waste Waters”

**BREAK: 10:00AM – 10:20AM**

**DAY 2 (February 5) CONCURRENT SESSIONS – 10:20AM – 11:40AM**

<b>Session 9 – Salinity Management, Problem Soil Issues (continued)</b>		<b>Session 10 – Soil Quality and Agricultural Practices</b>	
10:20	Session Chairs: Steve Grattan, UC Davis/ICCE; Bob Hutmacher, UC Davis/UCCE	10:20	Session Chairs: Karen Lowell, NRCS; Dave Goorahoo, CSU Fresno; Toby O’Geen, UC Davis/UCCE
10:25	Dennis Corwin, Soil Scientist, USDA-ARS Salinity Lab, “Delineating Site-Specific Irrigation Management Units for Managing Soil Salinity”	10:25	Daniel Geisseler, UC Davis, “Nutrient Guidelines for Major Crops Grown in California”
10:50	David Doll, UC Farm Advisor, “Salinity Tolerance in Almond: Long-term Management Issues and Research Gaps”	10:50	Kate Scow, UC Davis. “Biological Indicators of Soil Quality: Effects of Long-term Management”
11:15	Blake Sanden, UC Farm Advisor, “Salinity Tolerance of Pistachio: Long-term Management Issues and Research Gaps”	11:15	Will Horwath, UC Davis, “Gaseous Losses of Nitrogen from Agricultural Systems”
11:40	Discussion	11:40	Discussion

**BUSINESS MEETING and LUNCH**

**12 Noon – 1:45PM**

**Afternoon Demonstration (Feb 5<sup>th</sup>)**

**1:45-2:45pm: Bill Green Center for Irrigation Technology, CSUF.** 1 hour demonstration workshop with the CIT mobile unit in the parking lot of the hotel. The topic will be “*Chemigation, fertigation and back flow prevention techniques for efficient nutrient and water management*”.