

2017 California Plant and Soil Conference

Agricultural Information Overload- Separating Fact from Fiction

January 31 – February 1, 2017

**DoubleTree Hotel & Fresno Convention Center;
2233 Ventura Street, Fresno, CA 93721; Tel: 559-268-1000**

- 9:50 **General Session Introduction:** Chapter President, Dr. Robert Hutmacher, University of California, Davis.
- 10:00 – 10:45 **Keynote Speaker–Dr. Ken Cassman, Professor Emeritus, University of Nebraska, Lincoln.** *Agricultural Information Overload—Separating Fact from Fiction*

DAY 1 (Tuesday, January 31st) CONCURRENT SESSIONS: 10:55AM – 12:15PM

Session 1 – Pest Management Chair(s): Margaret Ellis & Rachel Naegele		Session 2 – Nutrient Management: Responsibilities and Liability. Chair(s): Karen Lowell & Ann Collins Burkholder	
10:55	Introductory remarks	10:55	Introductory remarks
11:00	Steven Fennimore , CE specialist, UC Davis. <i>New automated technology has the potential to improve weed control systems in vegetable crops</i>	11:00	Tess Dunham, Esq. , Attorney, Somach, Simmons & Dunn Attorneys at Law, Sacramento, CA <i>Understanding Grower Liability in Nutrient Management Planning</i>
11:25	Tim Miles , Professor, CSU Monterey Bay. <i>Detection of Erysiphe necator fungicide resistant alleles in environmental samples</i>	11:25	John Dickey , Soil Scientist/Agronomist, PlanTierra LCC, Davis, CA <i>Case Study: Managing Liability Risks as a Soil Scientist</i>
11:50	Pete Goodell , IPM Extension Coordinator, UCCE <i>IPM: It's Time to Revisit a Familiar Concept</i>	11:50	Anne Collins-Burkholder , Soil Scientist, CCA, Dellavalle Lab, Davis, CA <i>Scenarios: Consulting in a Complex Regulatory and Social Environment</i>

LUNCH 12:20 PM – 1:25 12:25 – 1:45 PM DAY 1

DAY 1 (January 31st) CONCURRENT SESSIONS: 1:30PM – 2:50PM

Session 3 – Nutrient Management Chair(s): Sharon Benes & Hossein Zakeri		Session 4 – Complex Issues in Agriculture Chair(s): Dan Munk, Stan Grant, Bob Hutmacher	
1:30	Introductory remarks	1:30	Introductory remarks
1:35	Dr. Jeff Schoenau , Professor and Chair, Ministry of Agriculture Strategic Research- Univ. Saskatchewan – Canada. <i>Macronutrient and micronutrient content of cattle manure</i>	1:35	Cliff Ohmart , Senior Scientist, Sure Harvest. <i>Comparing sustainable farming to conventional, organic and biodynamic farming</i>
2:00	Richard Smith , UCCE Monterey Co. <i>Nitrogen Technologies for Improving N use efficiency in leafy green vegetable production</i>	2:00	Tom Willey , TD Willey Farms- Madera, CA. <i>Resource sustainability in organic agriculture: Public understanding</i>
2:25	Bob Beede , formerly UCCE King's Co. <i>Zinc nutrition in perennial plants: a historical and current research review</i>	2:25	Carl Winter , UCCE Food Toxicology Specialist, UCD. <i>Pesticide residue issues in California: Is our food safe?</i>

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BREAK 2:50PM – 3:20PM

DAY 1 (January 31st) CONCURRENT SESSIONS: 3:20PM – 4:40PM

Session 5 – Water Management Chair(s): Robert Hutmacher & Dan Munk		Session 6 – Soil Biology: Understanding Management Options and Potential Benefits Chair(s): Karen Lowell & Margaret Ellis	
3:20	Introductory remarks	3:20	Introductory remarks
3:25	Helen Dahlke , UC Davis. Sustainable groundwater management: on-farm vs. dedicated storage issues	3:25	Eric B. Brennan , Research Horticulturalist, Organic Crop Production, USDA-ARS, Salinas, CA. <i>Soil Health Lessons from Long-term, Organic Vegetable Research</i>
3:50	Joel Kimmelshue , Land IQ <i>Intentional Agricultural Recharge Suitability</i>	3:50	Daniel Kluepfel , Research Leader, USDA-ARS Crops Pathology and Genetics Research Unit, Davis, CA. <i>Impact of Biological Amendments on Agrobacterium tumefaciens survival in soil</i>
4:15	<i>tbd</i>	4:15	Margaret Shake Lloyd , Small Farms Advisor, UCCE, Woodland, CA <i>Evaluation of Four Composts on Plant Productivity and Soil Characteristics</i>

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

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DAY 2 (Wednesday, February 1st) CONCURRENT SESSIONS: 8:30AM – 9:50AM

Session 7 –Measuring and managing variability Chair(s): Andre Biscaro & Stan Grant		Session 8 – Water Sustainability Chair(s): Sharon Benes, Robert Hutmacher, Dan Munk	
8:30	Introductory remarks	8:30	Introductory remarks
8:35	Patrick Brown – UC Davis, Dept. Plant Science. <i>Precision Nutrient Management in California Orchards</i>	8:35	Arthur Hinojosa , CA Department of Water Resources. <i>SGMA implementation and regional water management/sustainability</i>
9:00	Brent Sams - E&J Gallo Winery. <i>Precision Viticulture Tools for Wine Grape Vineyard Management in California</i>	9:00	Sarge Green , California Water Institute (CWI), Fresno State <i>A SGMA* Implementation Update</i> <i>*Sustainable Groundwater Management Act</i>
9:25	Danny Royer - Bowles Farming Co. <i>Creating Actionable Intelligence at Bowles Farming Co.</i>	9:25	<i>tbd</i>

BREAK: 9:50 – 10:20AM

DAY 2 (February 1st) CONCURRENT SESSIONS: 10:20AM – 11:40AM

Session 9 – Biostimulants Chair(s): Eric Ellison & Dave Holden <i>*2 speakers only</i>		Session 10 – New Ways of Looking at Old Problems: Innovations in agronomic analysis and research. Chair: Mark Lundy	
10:20	Introductory remarks	10:20	Introductory remarks
10:30	Patrick Brown , Professor, University of California. <i>“Overview of Biostimulants for Agriculture”</i>	10:25	Nicholas George , UC Davis? <i>Unlocking Information from Multi-environment variety trials via Principle Component Analysis Tools</i>
		10:50	Daniel Turkovich/Matt Meisner , Farmers Business Network <i>“Bringing the Power of Big Data to Agriculture.”Farmer’s Business Network</i>
11:10	Joshua I. Armstrong , Ph.D. VP Biologicals R&D Mendel Biological Solutions, LLC <i>“Biostimulant Discovery and Development using Plant Gene Regulatory Networks”</i>	11:15	Tom Shapland , Tule Technologies <i>“ET-based site-specific moisture release curves for forecasting both plant water stress and plant response to irrigation events”</i>

BUSINESS MEETING and LUNCH 12 Noon – 1:45PM