

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. <http://calasa.ucdavis.edu>

9:15 a.m. **General Session Introduction:** Chapter President, Dr. Robert Huttmacher, University of California, Davis.

9:30 – 10:30 **Keynote Speaker–Dr. Ken Cassman**, Professor Emeritus, University of Nebraska, Lincoln. Former Head of the Agronomy, Plant Physiology and Agroecology Division of the International Rice Research Institute (IRRI) in the Phillipines.
“Big Data Versus Big Relevant Data: The perfect as enemy of the good”

DAY 1 (Tuesday, Jan. 31st) CONCURRENT SESSIONS: 10:40 a.m. – 12:15 p.m.

Session 1 – Pest/Weed Management Chairs: Margaret Ellis & Rachel Naegele <i>Salon B</i>		Session 2 – Nutrient Management: Responsibilities and Liability. Chairs: Karen Lowell & Ann Collins Burkholder	
10:40	Introductory remarks	10:40	Introductory remarks
10:45	Steven Fennimore , UCCE Weed specialist, UC Davis. <i>New automated technology has the potential to improve weed control systems in vegetable crops</i>	10:45	Tess Dunham, Esq. , Attorney, Somach, Simmons & Dunn Attorneys at Law, Sacramento, CA <i>Understanding Grower Liability in Nutrient Management Planning</i>
11:10	Tim Miles , Professor, CSU Monterey Bay. <i>Detection of Erysiphe necator fungicide resistant alleles in environmental samples</i>	11:10	John Dickey , Soil Scientist/Agronomist, PlanTierra LCC, Davis, CA <i>Case Study: Managing Liability Risks as a Soil Scientist</i>
11:35	Pete Goodell , IPM Extension Coordinator, UCCE <i>IPM: It's Time to Revisit a Familiar Concept</i>	11:35	Harrison W. Scheider , V.P. & Environmental Ins Broker, American Risk Management Resources Network, LLC <i>Environmental Liabilities and Risk Transfer Solutions for Certified Crop Advisors</i>
12-12:15	Q&A/ Discussion (all speakers)	12-12:15	Q&A/ Discussion (all speakers)

LUNCH- DAY 1 12:15 – 1:25 p.m.

DAY 1 (Jan. 31st) CONCURRENT SESSIONS: 1:30 – 3:00 p.m.

Session 3 – Nutrient Management Chairs: Sharon Benes & Hossein Zakeri <i>Salon B</i>		Session 4 – Complex Issues in Agriculture Chairs: Dan Munk, Stan Grant, Bob Huttmacher	
1:30	Introductory remarks	1:30	Introductory remarks
1:35	Jeff Schoenau , Professor and Chair, Ministry of Agriculture Strategic Research- Univ. Saskatchewan – Canada. <i>Availability of Nutrients in Manures</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>
2:50-3:00	Q&A/ Discussion (all speakers)	2:50- 3:00	Q&A/ Discussion (all speakers)

2017 California Plant and Soil Conference

January 31 – February 1, 2017

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

BREAK 3:00 – 3:20 p.m.

DAY 1 (Jan. 31st) CONCURRENT SESSIONS: 3:25 – 5:00 p.m.

Session 5 – Agricultural Water Management Chairs: Robert Hutmacher & Dan Munk <i>Salon B</i>		Session 6 – Soil Biology: Understanding Management Options and Potential Benefits Chairs: Karen Lowell & Margaret Ellis	
3:25	Introductory remarks	3:25	Introductory remarks
3:30	Helen Dahlke , UC Davis. Sustainable groundwater management: on-farm vs. dedicated storage issues	3:30	Eric B. Brennan , Research Horticulturalist, Organic Crop Production, USDA-ARS, Salinas, CA. <i>Soil Health Lessons from Long-term, Organic Vegetable Research</i>
4:10	Joel Kimmelshue , Land IQ <i>Intentional Agricultural Recharge Suitability</i>	3:55	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>
		4:20	Margaret Shake Lloyd , Small Farms Advisor, UCCE, Woodland, CA <i>Evaluation of Four Composts on Plant Productivity and Soil Characteristics</i>
4:45-5:00	Q.A./ Discussion (all speakers)	4:45-5:00	Q.A./ Discussion (all speakers)

EVENING SOCIAL – POSTER SESSION, WINE AND CHEESE RECEPTION, ETC. (5:00 pm, Location TBD)

2017 California Plant and Soil Conference

January 31 – February 1, 2017

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

DAY 2 (Wed. Feb. 1st) CONCURRENT SESSIONS: 8:30 – 10:00 a.m.

Session 7 – Measuring and managing variability Chairs: Andre Biscaro & Stan Grant		Session 8 – Water Sustainability Chairs: 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> <small>*Sustainable Groundwater Management Act</small>
9:25	Danny Royer - Bowles Farming Co. <i>Creating Actionable Intelligence at Bowles Farming Co.</i>	9:25	Parry Klassen , Coalition for Urban & Environmental Stewardship (CURES) <i>CVSALTS: salt and nutrient management plans in coordination with SGMA and integrated water management</i>
9:50-10:00	Q.A./ Discussion (all speakers)	9:50-10:00	Q.A./ Discussion (all speakers)

BREAK: 10:00 – 10:20 a.m.

DAY 2 (Feb. 1st) CONCURRENT SESSIONS: 10:25 – 12:00 a.m.

Session 9 – Biostimulants Chairs: Eric Ellison & Dave Holden <small>*2 speakers</small>		Session 10 – New Ways of Looking at Old Problems: Innovations in agronomic analysis and research. Chair: Mark Lundy	
10:25	Introductory remarks	10:25	Introductory remarks
10:30	Patrick Brown , Professor, University of California, Davis. <i>Overview of Biostimulants for Agriculture</i>	10:30	Nicholas George , UC Davis, Dept. of Plant Sciences. <i>Unlocking Information from Multi-environment Variety Trials via Principle Component Analysis Tools</i>
		10:55	Daniel Turkovich/Matt Meisner , Farmers Business Network <i>Bringing the Power of Big Data to Agriculture</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>	11:20	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>
11:45-12:00	Q.A./ Discussion (all speakers)	11:45-12:00	Q.A./ Discussion (all speakers)

BUSINESS MEETING & LUNCH 12:05 – 1:45 p.m.