

## 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 Hutmacher, 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. 31<sup>st</sup>) CONCURRENT SESSIONS: 10:40 a.m. – 12:15 p.m.

<b>Session 1 – Pest/Weed Management</b> Chairs: Margaret Ellis & Rachel Naegele <i>Salon B</i>		<b>Session 2 – Nutrient Management: Responsibilities and Liability.</b> Chairs: Karen Lowell & Ann Collins Burkholder <i>Salon A1</i>	
10:40	Introductory remarks	10:40	Introductory remarks
10:45	<b>Steven Fennimore</b> , UCCE Weed specialist, UC Davis. <i>New automated technology has the potential to improve weed control systems in vegetable crops</i>	10:45	<b>Tess Dunham, Esq.</b> , Attorney, Somach, Simmons & Dunn Attorneys at Law, Sacramento, CA <i>Understanding Grower Liability in Nutrient Management Planning</i>
11:10	<b>Tim Miles</b> , Professor, CSU Monterey Bay. <i>Detection of Erysiphe necator fungicide resistant alleles in environmental samples</i>	11:10	<b>John Dickey</b> , Soil Scientist/Agronomist, PlanTierra LCC, Davis, CA <i>Case Study: Managing Liability Risks as a Soil Scientist</i>
11:35	<b>Pete Goodell</b> , IPM Extension Coordinator, UCCE <i>IPM: It's Time to Revisit a Familiar Concept</i>	11:35	<b>Harrison W. Scheider</b> , 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	<b>Q&amp;A/ Discussion (all speakers)</b>	12-12:15	<b>Q&amp;A/ Discussion (all speakers)</b>

### LUNCH- DAY 1 12:15 – 1:25 p.m.

### DAY 1 (Jan. 31<sup>st</sup>) CONCURRENT SESSIONS: 1:30 – 3:00 p.m.

<b>Session 3 – Nutrient Management</b> Chairs: Sharon Benes & Hossein Zakeri <i>Salon B</i>		<b>Session 4 – Complex Issues in Agriculture</b> Chairs: Dan Munk, Stan Grant, Bob Hutmacher <i>Salon A1</i>	
1:30	Introductory remarks	1:30	Introductory remarks
1:35	<b>Jeff Schoenau</b> , Professor and Chair, Ministry of Agriculture Strategic Research- Univ. Saskatchewan – Canada. <i>Availability of Nutrients in Manures</i>	1:35	<b>Cliff Ohmart</b> , Senior Scientist, Sure Harvest. <i>Comparing sustainable farming to conventional, organic and biodynamic farming</i>
2:00	<b>Richard Smith</b> , UCCE Monterey Co. <i>Nitrogen Technologies for Improving N use efficiency in leafy green vegetable production</i>	2:00	<b>Tom Willey</b> , TD Willey Farms- Madera, CA. <i>Resource sustainability in organic agriculture: Public understanding</i>
2:25	<b>Bob Beede</b> , formerly UCCE King's Co. <i>Zinc nutrition in perennial plants: a historical and current research review</i>	2:25	<b>Carl Winter</b> , UCCE Food Toxicology Specialist, UCD. <i>Pesticide residue issues in California: Is our food safe?</i>
2:50-3:00	<b>Q&amp;A/ Discussion (all speakers)</b>	2:50- 3:00	<b>Q&amp;A/ Discussion (all speakers)</b>

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**BREAK 3:00 – 3:20 p.m.**

**DAY 1 (Jan. 31<sup>st</sup>) CONCURRENT SESSIONS: 3:25 – 5:00 p.m.**

<b>Session 5 – Agricultural Water Management</b> Chairs: Robert Hutmacher & Dan Munk <i>Salon A1</i>		<b>Session 6 – Soil Biology: Understanding Management Options and Potential Benefits</b> Chairs: Karen Lowell & Margaret Ellis <i>Salon B</i>	
3:25	Introductory remarks	3:25	Introductory remarks
3:30	<b>Helen Dahlke</b> , UC Davis. Sustainable groundwater management: on-farm vs. dedicated storage issues	3:30	<b>Eric B. Brennan</b> , Research Horticulturalist, Organic Crop Production, USDA-ARS, Salinas, CA.  <i>Soil Health Lessons from Long-term, Organic Vegetable Research</i>
4:10	<b>Joel Kimmelshue</b> , Land IQ <i>Intentional Agricultural Recharge Suitability</i>	3:55	<b>Daniel Kluepfel</b> , 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	<b>Margaret Shake Lloyd</b> , Small Farms Advisor, UCCE, Woodland, CA <i>Evaluation of Four Composts on Plant Productivity and Soil Characteristics</i>
4:45-5:00	<b>Q.A./ Discussion (all speakers)</b>	4:45-5:00	<b>Q.A./ Discussion (all speakers)</b>

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

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### DAY 2 (Wed. Feb. 1<sup>st</sup>) CONCURRENT SESSIONS: 8:30 – 10:00 a.m.

<b>Session 7 – Measuring and managing variability</b> Chairs: Andre Biscaro & Stan Grant <i>Salon A1</i>		<b>Session 8 – Water Sustainability</b> <i>Salon B</i> Chairs: Sharon Benes, Robert Hutmacher, Dan Munk	
8:30	Introductory remarks	8:30	Introductory remarks
8:35	<b>Patrick Brown</b> – UC Davis, Dept. Plant Science. <i>Precision Nutrient Management in California Orchards</i>	8:35	<b>Arthur Hinojosa</b> , CA Department of Water Resources. <i>SGMA implementation and regional water management/sustainability</i>
9:00	<b>Brent Sams</b> - E&J Gallo Winery. <i>Precision Viticulture Tools for Wine Grape Vineyard Management in California</i>	9:00	<b>Sarge Green</b> , California Water Institute (CWI), Fresno State <i>A SGMA* Implementation Update</i> <i>*Sustainable Groundwater Management Act</i>
9:25	<b>Danny Royer</b> - Bowles Farming Co. <i>Creating Actionable Intelligence at Bowles Farming Co.</i>	9:25	<b>Parry Klassen</b> , 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	<b>Q.A./ Discussion (all speakers)</b>	9:50-10:00	<b>Q.A./ Discussion (all speakers)</b>

### BREAK: 10:00 – 10:20 a.m.

### DAY 2 (Feb. 1<sup>st</sup>) CONCURRENT SESSIONS: 10:25 – 12:00 a.m.

<b>Session 9 – Biostimulants</b> <i>Salon B</i> Chairs: Eric Ellison & Dave Holden <i>*2 speakers</i>		<b>Session 10 – New Ways of Looking at Old Problems: Innovations in agronomic analysis and research.</b> Chair: Mark Lundy <i>Salon A1</i>	
10:25	Introductory remarks	10:25	Introductory remarks
10:30	<b>Patrick Brown</b> , Professor, University of California, Davis. <i>Overview of Biostimulants for Agriculture</i>	10:30	<b>Nicholas George</b> , UC Davis, Dept. of Plant Sciences. <i>Unlocking Information from Multi-environment Variety Trials via Principle Component Analysis Tools</i>
		10:55	<b>Daniel Turkovich/Matt Meisner</b> , Farmers Business Network <i>Bringing the Power of Big Data to Agriculture</i>
11:10	<b>Joshua I. Armstrong</b> , Ph.D. VP Biologicals R&D Mendel Biological Solutions, LLC <i>Biostimulant Discovery and Development Using Plant Gene Regulatory Networks</i>	11:20	<b>Tom Shapland</b> , 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	<b>Q.A./ Discussion (all speakers)</b>	11:45-12:00	<b>Q.A./ Discussion (all speakers)</b>

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