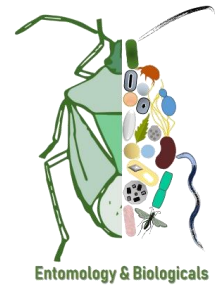




5 MAR 2019 VETERANS' MEMORIAL CENTER, SANTA MARIA



## Conference and Trade Show on Biologicals

Register by 28 February, 2019 at <http://ucanr.edu/AIC2019>

**5.5 CCA CEUs have been approved and 3.5 DPR CEUs have been requested**

The purpose of the Ag Innovations Conference series is to introduce new technologies to the grower community by speakers from universities, research organizations, and the agriculture input industry. The first event in Santa Maria (2014) covered a variety of topics while the second one in San Diego (2017) was on microbial control. Considering the growing interest in biologicals and demand for sustainably produced food, the third conference is organized with carefully selected topics on biocontrol agents, biostimulants, and botanical and microbial pesticides and fungicides. Early [registration](#) until February 28 is \$50 per individual and \$100 for onsite registration. Registration includes lunch and refreshments. Please contact Hiromi Peck at 805-781-5940 if you have any questions about registration or if you are interested in participating in the trade show. Come join us for an informative day at the Veterans' Memorial Center ([313 W Tunnell St, Santa Maria](#)).

### AGENDA

07:30 AM

Sign-in

07:55 AM

Welcome remarks

Surendra Dara

08:00 AM



**The potential for spotted-wing drosophila biological control with imported natural enemies  
Vine mealybug mating disruption and biological controls – is a 'soft' approach possible?**

Update on new biocontrol strategies of two insect pests

**Kent Daane** CE Specialist, Kearney Ag Research and Education Center, Parlier

08:30 AM



**Regulatory update on biopesticides and biostimulants**

**Jolynn Mahmoudi-Haeri**, Senior Environmental Scientist (Specialis) California Department of Pesticide Regulation, Sacramento

08:50 AM



**Harnessing the power of biologicals for harvesting more, sustainably**

Role of biologicals in improving crop health and productivity and opportunities and challenges for their use in sustainable agriculture.

**Surendra Dara** CE Advisor-Entomology and Biologicals, UC Cooperative Extension, San Luis Obispo

09:10 AM



**How private research changed over the past decade into biologicals**

What worked best and what didn't and what are some good application strategies.

**David Holden** Holden Research, Camarillo

09:30 AM



**Biostimulants, soil amendments, biofungicides, and biopesticides in tomato, strawberry, and grape for improved yields and/or pest and disease management.** Multiple studies demonstrating the potential of biologicals in crop production and protection and new uses for entomopathogenic fungi.

**Surendra Dara** CE Advisor-Entomology and Biologicals, UC Cooperative Extension, San Luis Obispo

9:50 AM



**How beneficial microbes improve plant health and boost grower ROI**

Importance of beneficial microbes, mode of action, application and use strategies. Concentric's science-driven philosophy and highlights from last two years of >200 independent field studies.

**Bill Schwoerer** Western Regional Sales Director, Concentric, San Luis Obispo

10:10 AM



**Enhanced microbial product performance using distributed fermentation**

Field performance of products and the development status of a rapid low-cost, quantitative microbial field assay to further optimize product performance under local conditions.

**Paul Zorner** CEO, Locus Agricultural Solutions, LLC, Adjunct Professor, NC State University

**Coffee Break-Expo Visit 10:30 AM**

11:15 AM

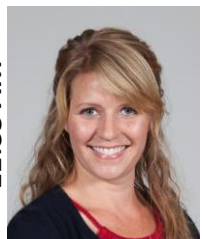


**Fixed carbon (biochar): enabling a thriving rhizosphere**

Unpacking biochar's synergy with soil biology and long-term improvement of water and nutrient availability in lab, greenhouse, and field studies and impact on yields and profitability.

**Drew Jackson** Vice President-Commercial, Cool Planet, Camarillo

11:35 AM



**Serifel® biofungicides in conventional programs for better disease control and resistance management**

Bacillus amyloliquefaciens was evaluated in conventional programs as a resistance management tool for high-risk pathogens and for added disease control benefits.

**Katherine Walker** Technical Service Representative, BASF, Santa Cruz

11:55 AM



**Stargus and Ennoble: new biological solutions for managing plant pathogens**

Stargus (*Bacillus amyloliquefaciens*) and Ennoble (*Muscodor albus*): two new tools for a broad range of soilborne and folia pathogens affecting leafy greens, strawberry, grape, and several other crops.

**Melissa O'Neal** Product Development Manager, Marrone Bio Innovations, Arroyo Grande

12:15 AM



**Potential of seaweed products in grapes**

Mode of action of seaweed products, physiological stages of grape for their use, and improving table grape quality.

**Ashraf El-kereamy**, Viticulture Advisor, UC Cooperative Extension, Bakersfield

**Lunch Break-Expo Visit 12:35 AM**

01:35 PM



**Successful use of biologicals in outdoor crops**

Strategies and factors such as weather, pest/biological ratios, and compatible pesticides that influence them.

**Antonin van der Lely** Technical Sales Specialist, Biobest-USA, San Luis Obispo

01:55 PM



**Biocontrol of insect and mite pests and opportunities for biologicals: a strawberry grower's experience**

Strategies for controlling arthropod pests with natural enemies and experiences in using biostimulants and beneficial microbes for crop health and disease management.

**Dave Peck** Owner, Manzanita Berry Farms, Santa Maria

02:15 PM



**Building a better mouse trap**

History and use of neem-based products and formulation improvements for better efficacy. Recent field trials with Rango™ and Terramera's vision and investment in agricultural research.

**Deb Shatley** Field R&D Leader, Terramera, Lincoln, NC

02:35 PM



**Biostimulant Vitazyme and biological Bio Seed: a natural synergy**

How two products with unique modes of action complement each other, increase productivity, and value to both conventional and organic farming operations.

**Tristan Hudak** Vice President, Ag Biotech, Inc., Sacramento

02:55 PM

**Panel Discussion and Q&A**

All speakers will engage in additional discussion, respond to questions from the audience

03:55 PM

**Closing remarks**

**Surendra Dara**

**04:00-05:00 PM Expo visit and interaction with the exhibitors**

Early online registration with credit card is \$50 by 28 February 2019  
Walk-in registration is \$100 by check, made out to UC Regents  
Register at <http://ucanr.edu/AIC2019> or scan the QR code ➤



**THANKS TO THE MEETING SPONSORS**

