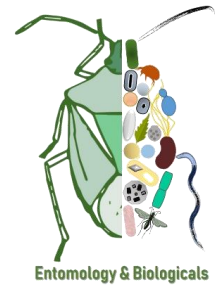




4th AG INNOVATIONS CONFERENCE

AIC2020

COMPREHENSIVE CROP CARE



18 MAR 2020 VETERANS' MEMORIAL CENTER, SANTA MARIA

Conference and Trade Show on Comprehensive Crop Care

Register by 8 March 2020 at <https://ucanr.edu/AIC2020>

6.0 CCA and 4.5 DPR CEUs have been requested

Organizer: Surendra Dara, University of California Cooperative Extension

The purpose of the Ag Innovations Conference series is to introduce new technologies to the grower community by speakers from universities, research organizations, the grower community, and the agriculture input industry. After the first event in Santa Maria (2014) with a general theme, the next two were in San Diego (2017) about microbial control, and Santa Maria (2019) about biologicals. The current theme of Comprehensive Crop Care covers multiple topics from identifying a pest to forecasting crop health with the underlying principle of IPM. Early [registration](#) until March 8 is \$50 per individual and onsite registration is \$100. 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



Regulatory update on pesticides

Update on chlorpyrifos, paraquat, and 1, 3 D regulations and other related topics

Lottie Martin Deputy Ag Commissioner, Santa Barbara County, Santa Maria

08:20 AM



Biology and management of the spotted lanternfly: a potential threat to California grapes

What we need to know about detecting, managing, and preventing the spread of the spotted lanternfly in California

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

08:40 AM



Living with leafroll virus

A grower's perspective of various management tactics for mitigating the effects of the virus

Eric Pooler Vice President Winery Relations, Silverado from Westchester, Napa

09:00 AM



Sustainable pest and disease management in strawberry

A grower's perspective of sustainable management of various arthropod pests and diseases

Dave Peck Owner, Manzanita Berry Farms, Santa Maria

09:20 AM



Regulatory, commercial, and social elements in the new integrated pest management model

There are many factors that influence integrated pest management. Some 'non-control' options can be more impactful than commonly perceived.

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

9:40 AM



Automated weeding in lettuce and tomato using a crop marking system

Using intelligent cultivators for within-row control could remove up to 90% of weeds and reduce hand-weeding costs up to 48%

Steve Fennimore CE Specialist, UC Cooperative Extension, Salinas

10:00 AM



Identification and characterization of a new virus associated with lettuce dieback disease

Identification is the key for effective disease management. Biological and molecular studies provide new insights into a new virus that is probably involved in lettuce dieback.

Bill Wintermantel Research Plant Pathologist, USDA-ARS, Salinas

Coffee Break-Expo Visit 10:20-11:20 AM

11:20 AM



Abiotic stress defense: a new way to grow crops

Abiotic stress negatively impacts plant physiology, leading to weaker cell walls, reduced growth, and lower metabolism. Such plants are more vulnerable to pests and diseases. Strategies to build abiotic stress defense within the plant will be discussed.

Danny Klittich Agronomist, Redox Chemicals, Oxnard

11:40 AM



Transit: solutions for sustainable agriculture

Review of 10 years of data from numerous scientific studies on how this organic matter-derived technology improves nutrient efficiency and crop health to withstand biotic and abiotic stressors

Darryl King Technical Services/Agronomist, FBSciences, Riverton, UT

12:00 PM



Climate smart farming: improving soil health for improved crop productivity to enhance economic and environmental benefits of regenerative farming

Enriching crop rhizosphere microbiome improves crop productivity, accelerates carbon sequestration, and reduces fertilizer inputs and nitrous oxide emissions and thus improving returns

Paul Zorner Chief Agronomist, Locus Agricultural Solutions, Adjunct Professor, NC State University

12:20 PM



Microalgae in agriculture for optimal plant growth

Microalgae contain high levels of nutrients and can benefit plants in multiple ways. See how microalgae improved health and yields in melons, pepper, tomato, and strawberry.

Bill Schwoerer National Sales Director-US, AlgaEnergy, San Luis Obispo

Lunch Break-Expo Visit 12:40-01:40 PM

01:40 PM



The future of microbial augmentation in agriculture

Microbes have strong evolutionary relationship with soil and plants. Let us learn how microbial augmentation improves plant growth, health, and yields especially in strawberry.

Michael Gursky Manufacturer's Representative, Sobec, Clovis

02:00 PM



Biocontrol solutions for major crops on the Central Coast

From small fruits and vegetables to ornamentals, biocontrol strategies and innovative release technologies provide sustainable pest control solutions.

Manuel Gomez Senior Technical Lead, Bioline AgroSciences

02:20 PM



How BASF product portfolio supports IPM in small fruits and vegetables

Best practices for using BASF products based on several field studies to provide IPM solutions in small fruits and vegetables

Katherine Walker Technical Service Representative, BASF, Santa Cruz

02:40 PM



Mating disruption for managing diamondback moth

Using sex pheromones is a powerful IPM tool for managing diamondback moth in vegetables

Greg Montez Technical Manager, Suterra, Fresno

03:00 PM



Managing diseases and insects in strawberry with biopesticides

Best practices for handling and applying biofungicides and bioinsecticides from BioWorks for managing diseases and pests in strawberry

Julie Graesch BPM-Insect Control Management, BioWorks, Ames, IA

03:20 PM



Disease management in organic crops

Understanding the disease development and using various biorational products for managing diseases in various organic crops

Larry Parker Director of Research and Development, Westbridge, Vista

03:40 PM



Artificial intelligence in agriculture for forecasting and decision making

Using ClimateAi forecasting engine to help growers, processors, ag input industry, investors, and insurance companies for making strategic and operational decisions

Borna Poursheikhani Chief of Staff and Head of Agriculture, Climate Ai, San Francisco

04:00 PM

Panel Discussion and Q&A

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

04:30-05:30 PM Expo visit and interaction with the exhibitors

Early registration with credit card at <http://ucanr.edu/AIC2020> is \$50 by 8 March 2020.

Walk-in registration is \$100 by check, made out to UC Regents.

THANKS TO THE MEETING and EXPO SPONSORS

