

2018

FREP



WPHA

CONFERENCE

Nutrient Management:
Challenges and Opportunities

October 22-24, 2018
Seaside, California
Embassy Suites

The California Department of Food and Agriculture's (CDFA) Fertilizer Research and Education Program (FREP) and the Western Plant Health Association (WPHA) present the 26th annual conference on managing agricultural nutrients. The broad agenda is geared toward a range of agriculturalists, including agricultural supply and service consultants, growers, university extension specialists, crop advisers, and local, state and national governmental agency personnel. This year, a Pre-Conference Farm Tour on the first day is new to the schedule.

Early Registration Deadline:
September 24, 2018

About the joint event sponsors:

The CDFA Fertilizer Research and Education Program coordinates and funds research and projects that advance the environmentally safe and agronomically sound use and handling of fertilizer materials. www.cdfa.ca.gov/frep



The Western Plant Health Association is a not-for-profit trade association that represents fertilizer and crop protection manufacturers, agricultural biotechnology providers, and agricultural retailers in California, Arizona, and Hawaii. WPHA's mission is to promote the environmentally safe and agronomically sound use and handling of plant health products and services for the production of safe, high quality food, fiber and horticultural products. www.healthyplants.org



CCA, PCA, and Central Valley grower credits have been applied for. Student registration is available.

See inside for details about the Pre-Conference Central Coast Farm Tour, October 22, 2018, 1 - 5 PM.

CONFERENCE PROGRAM

MONDAY, OCTOBER 22, 2018

Central Coast Irrigation and Nutrient Management Farm Tour

This pre-conference tour will leave at 1:00 PM from Embassy Suites in Seaside and return at 5:00 PM. Field stops are with Mark Mason at Huntington Farms and Anthony Duttie at Tanimura & Antle.

TUESDAY, OCTOBER 23, 2018

Facilitators: *Dr. Rob Mikkelsen, IPNI, and Keith Backman, Dellavalle Laboratory, Inc.*

9:00 - 9:30 **Welcome**

*Renee Pinel, Executive Director, WPHA
Karen Ross, Secretary, CDFA*

9:30 - 10:00 **Developing a Decision Support Tool for Processing Tomato Irrigation and Fertilization in the Central Valley Based on CropManage**

Dr. Daniel Geisseler, Assistant Cooperative Extension Specialist, UC Davis Department of Land, Air, and Water Resources

10:00 - 10:30 **Prediction of Summer Leaf Nitrogen Concentration from Early Season Samples to Better Manage Nitrogen Inputs at the Right Time in Walnuts, Prunes, and Pears**

Dr. Sebastian Saa, Senior Manager, Almond Board of California

10:30 - 10:50 **Break**

10:50 - 11:20 **Integrating Compost into Nutrient Planning**

Jocelyn Bridson, Director of Environmental Science and Resources, Rio Farms

11:20 - 11:50 **Fertility Management for Cannabis**

Dr. Jerome Pier, Agronomist, Nutrien Ag Solutions

11:50 - 1:10 **Lunch**

1:10 - 2:25 **Panel Discussion: Innovations in Irrigation Management and Efficiency**

Moderator: Dr. Khaled Bali. Panel: Dr. Michael Cahn, Dr. Aliasghar Montazar, Kevin Greer, and Dino Giacomazzi

2:25 - 2:55 **Understanding Influences on Grower Decision Making and Adoption of Improved Nitrogen Management Practices**

Sat Darshan Khalsa, Assistant Project Scientist, UC Davis Department of Plant Sciences

2:55 - 3:15 **Break**

3:15 - 3:45 **Using Drone Technology for Nutrient and Irrigation Management**

Justin Metz, Technology Integration Specialist, Bowles Farming Company

3:45 - 4:15 **Evaluation of the Multiple Benefits of Nitrogen Management Practices in Walnuts**

Parry Klassen, Executive Director, Coalition for Urban Rural Environmental Stewardship

4:15 - 4:45 **Quantifying N₂O Emissions Under Different Irrigation and Nutrient Management BMPs that Reduce Groundwater Nitrate Loading and Applied Water**
Dr. Arlene Haffa, Associate Professor, CSU Monterey Bay, School of Natural Sciences

4:45 - 6:00 **Poster Session: Nutrient Management Research and Projects**

WEDNESDAY, OCTOBER 24, 2018

Facilitator: *Stephen Vasquez, Sun World, Inc.*

8:15 - 8:30 **Welcome and Recap**

8:30 - 9:00 **Evaluation and Demonstration of Nitrogen and Phosphorous Management in Organic Leafy Green Vegetable Production on the Central Coast**

Richard Smith, Farm Advisor, UC Cooperative Extension Monterey County

9:00 - 9:30 **Soil Health Impacts on Plant Disease and IPM**

Dr. Lacey Mount, Consultant, Dellavalle Laboratory, Inc.

9:30 - 10:00 **The Role of Micronutrients in Plant Nutrition Programs**

Eric McGee, Agronomist, Quali Tech, Inc.

10:00 - 10:20 **Break**

10:20 - 10:50 **UC Nursery and Floriculture Alliance Fertilizers and Plant Nutrition Education Program**

Dr. Lorence Oki, Specialist, UC Davis Department of Plant Sciences

10:50 - 11:20 **The Role of Calcium in Disease and Environmental Stress Response in Plants**

Dr. Steve Petrie, Director of Agronomic Services, Yara North America, Inc.

11:20 - 11:50 **Speed Updates: Ongoing FREP Projects**

Dr. Michael Cahn, Dr. Douglas Amaral, Dr. Sanjai Parikh, and Dr. William Horwath

11:50 - 12:00 **Closing Remarks**

Continuing Education Units (CEUs)

Grower, CCA, and PCA hours have been applied for. Details will be available at www.cdfa.ca.gov/go/FREPconference.

REGISTRATION INFORMATION

EMBASSY SUITES MONTEREY BAY - SEASIDE

1441 Canyon del Rey, Seaside, CA 93955
Tel: (831) 393-1115

DIRECTIONS

Seaside is in the Monterey Bay area. Exit Highway 1 at Exit 403 for CA-218 toward Seaside/Del Rey Oaks. Travel east on Canyon del Rey to first stop light. Hotel is located at the intersection of Canyon del Rey and Del Monte Blvd.

PARKING

Self parking is \$14 per day.

HOTEL RESERVATION

A limited number of conference rate rooms are available until September 21, 2018. As of Sept. 10, the conference rate is available October 23 for \$165 per night. Reserve your room online at <http://embassysuites.hilton.com/en/es/groups/personalized/M/MRYESES-CDF-20181023/index.jhtml>. You may also book your room by calling 1-800-Embassy and referring to the CDFA-FREP/WPHA Conference 2018 or "CDF."

PRE-CONFERENCE FARM TOUR

On October 22, 2018, a tour of Huntington Farms and Tanimura & Antle will take place from 1:00 to 5:00 PM, focusing on irrigation and nutrient management practices. Participants will board the tour bus at 1:00 PM at Embassy Suites in Seaside. The tour is \$25, and registration must be

received by October 19, 2018. Additional information will be emailed to you after your registration is received.

CONFERENCE REGISTRATION

Early (submitted by September 24, 2018): \$190 for both days. Students' fee is \$120 for both days.

Late (submitted on or after September 25, 2018, or on-site*): \$220 for both days. Students' fee is \$130 for both days.

***On-site registrations will be charged an extra \$3 processing fee.**

All registrations include handouts, annual FREP research report, continental breakfast, lunch, and refreshments. A completed registration form is required for each attendee.

Payment options are: a) check payable to WPHA, or b) credit card (include information on the form below or online). Regrettably, no cash can be accepted. Registration confirmation will be sent via email. Registration refunds, less a \$10 handling fee, are available up to October 1, 2018. *No refunds after that date.*

Fill in and submit your registration form online at:
www.cdfa.ca.gov/go/FREPreRegistration

SEND REGISTRATION/GET ADDITIONAL INFORMATION

Western Plant Health Association

4460 Duckhorn Drive, Suite A, Sacramento, CA 95834
Phone: 916.574.9744 • Fax: 916.574.9484
conference-regn@healthyplants.org



REGISTRATION FORM Please type or print.

FIRST AND LAST NAME

BUSINESS/AFFILIATION

MAILING ADDRESS (NUMBER, STREET, P.O. BOX)

CITY, STATE, ZIP

TELEPHONE/FAX

E-MAIL ADDRESS

Send completed registration forms to:

WPHA, 4460 Duckhorn Drive, Suite A, Sacramento, CA 95834

-OR-

Fill in and submit your registration form online at:

www.cdfa.ca.gov/go/FREPreRegistration

REGISTRATION FEES

Pre-conference Farm Tour registration is submitted by Oct. 19, 2018

\$25 for Oct. 22

Early conference registration is submitted by Sept. 24, 2018

Regular: \$190 for Oct. 23-24

Students: \$120 for Oct. 23-24

Late registration is submitted Sept. 25-Oct. 19, 2018, or on-site*

Regular: \$220 for Oct. 23-24

Students: \$130 for Oct. 23-24

***On-site registrations will be charged an additional \$3 processing fee**

Total: \$ _____

PAYMENT OPTIONS

Check enclosed, payable to WPHA. Amount: \$ _____

Credit card: VISA MasterCard American Express

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NAME (AS IT APPEARS ON THE CARD)

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EXPIRATION DATE (MM/YY)

CREDIT CARD ZIP CODE



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California Department of Food & Agriculture
Fertilizer Research & Education Program
1220 N Street
Sacramento, CA 95814-5607

