

25<sup>th</sup>  
ANNUAL

2017

FREP WPHA



## CONFERENCE

Nutrient Management:  
Challenges and Opportunities

November 1-2, 2017  
Modesto, California  
DoubleTree Hotel

Early registration deadline:  
September 30, 2017

The California Department of Food and Agriculture's (CDFA) Fertilizer Research and Education Program (FREP) and the Western Plant Health Association (WPHA) present the 25th 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. Presenters from academia, industry and agricultural consulting will provide general and technical information, current research data, and practical applications addressing statewide and regional nutrient management issues.

### 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. FREP serves growers, agricultural supply and service consultants, university extension personnel, and local, state and national governmental agencies and organizations. [www.cdfa.ca.gov/go/frep](http://www.cdfa.ca.gov/go/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](http://www.healthyplants.org)





# CONFERENCE PROGRAM

## WEDNESDAY, NOVEMBER 1, 2017

- Facilitator:** *Dr. Sebastian Braum, Tremont/Lyman Groups*
- 9:00 - 9:20** **Welcome**  
*Renee Pinel, Executive Director, WPHA*  
*Karen Ross, Secretary, CDFG*
- 9:20 - 9:45** **A Data Driven Nitrate Leaching Hazard Index and BMP Assessment Tool**  
*Dr. Toby O'Geen, Soil Resource Specialist, UC Davis Department of Land, Air, and Water Resources*
- 9:45 - 10:10** **Nitrogen Removed with Harvested Crops**  
*Dr. Daniel Geisseler, Cooperative Extension Specialist, UC Davis Department of Land, Air and Water Resources*
- 10:10 - 10:35** **Field Evaluation and Demonstration of Controlled Release N Fertilizers in the Western United States**  
*Dr. Charles Sanchez, Professor, University of Arizona*
- 10:35 - 10:50** **Break**
- 10:50 - 11:15** **CAPCA and CCA Update**  
*Adam Barsanti, Outreach Relations Manager, California Association of Pest Control Advisers*
- 11:15 - 11:40** **Plant Nutrients in the Classroom**  
*Judy Culbertson, Executive Director, California Foundation for Agriculture in the Classroom*
- 11:40 - 1:00** **Lunch**
- 1:00 - 2:30** **Panel Discussion: Navigating the Complexities of Nitrogen Reporting in the Central Valley**  
*Moderator: Dan Munk. Panel: Mike Wackman, Anne Burkholder, and Dan Errotabere*
- 2:30 - 2:55** **New Fertigation Book**  
*Dr. Charles Burt, Chairman of Irrigation Training & Research Center, and Professor Emeritus at Cal Poly State University, San Luis Obispo*
- 2:55 - 3:10** **Break**
- 3:10 - 3:35** **Salinity Management: Correcting a Saline Soil**  
*Keith Backman, Consultant Manager, Dellavalle Laboratory, Inc.*
- 3:35 - 4:00** **Plant Nutrition: Past, Present, and Future**  
*Dr. Marja Koivunen, Product Development Manager for Western Region, AMVAC Chemical Corporation*
- 4:00 - 4:40** **Speed Updating: Five Ongoing FREP Projects**  
*Multiple speakers: Richard Smith, Dr. Patrick Brown, Daniela Reineke, Parry Klassen, and Dr. Arlene Haffa*
- 4:40 - 6:00** **Poster Session: Nutrient management research and projects**

## THURSDAY, NOVEMBER 2, 2017

- Facilitator:** *Don Wolf, Helena Chemical Co.*
- 9:00 - 9:05** **Welcome and Recap**
- 9:05 - 9:30** **Nitrogen Fertilizer Loading to Groundwater in the Central Valley**  
*Dr. Thomas Harter, Chair of Water Management and Policy, UC Davis Department of Land, Air, and Water Resources*
- 9:30 - 9:55** **Accounting for Organic Input Material**  
*Dr. Rob Mikkelsen, Director of Western North America, International Plant Nutrition Institute*
- 9:55 - 10:20** **Impact of Improved Plant Nutrition on Pest Management**  
*Dr. Steve Petrie, Director of Agronomic Services, Yara North America*
- 10:20 - 10:30** **Break**
- 10:30 - 10:55** **Nitrogen Management in Table Grapes**  
*Dr. Matthew Fidelibus, CE Specialist, Department of Viticulture and Enology, UC Davis*
- 10:55 - 11:20** **Micronutrient Formulations and How They Fit into Fertilization Regimens**  
*Jay Irvine, President and CEO, Mar Vista Resources*
- 11:20 - 11:45** **Update on Walnut Nitrogen Uptake**  
*Dr. Katherine Pope, UCCE Orchard Systems Advisor, UC Davis Department of Plant Sciences*
- 11:45 - 11:50** **Closing Remarks**

Early registration deadline:  
**September 30, 2017**

### Continuing Education Units (CEUs)

Grower, CCA, and PCA hours have been applied for. Details will be available at [www.cdffa.ca.gov/go/frep](http://www.cdffa.ca.gov/go/frep).

# REGISTRATION INFORMATION

## DOUBLETREE HOTEL

1150 Ninth Street • Modesto, CA 95354 • Tel: (209) 526-6000

## DIRECTIONS

**From Northern California:** Take CA-99 South toward Modesto/Fresno. Take the CA-132/Maze Boulevard exit toward CA-108. Turn left on CA-132/L Street. Continue down L Street to the hotel.

**From Southern California:** Take CA-99 North toward Sacramento. Take the exit toward CA-132/Central Modesto. Turn slight left onto 6th street. Turn right onto L Street. Continue down L street to the hotel.

**From the Bay Area:** Take I-5 North. Merge onto CA-120 East toward Manteca/Sonora. Merge onto CA-99 South toward Modesto/Fresno. Take the CA-132/Maze Boulevard exit toward CA-108. Turn left onto CA-132/L Street. Continue down L Street to the hotel.

## PARKING

Self parking on 9th Street is \$12 per day. Valet parking is \$17 per day.

## HOTEL RESERVATION

A limited amount of conference rate rooms is available until October 8, 2017. The conference rate is \$124 per night, and the code for conference attendees is WPH. Reserve your room online at [http://doubletree.hilton.com/en/dt/groups/personalized/D/DSTO-DT-WPH-20171029/index.jhtml?WT.mc\\_id=POG](http://doubletree.hilton.com/en/dt/groups/personalized/D/DSTO-DT-WPH-20171029/index.jhtml?WT.mc_id=POG). You may also book your room by calling (209) 526-6000 and mentioning Western Plant Health.

## CONFERENCE REGISTRATION

**Early** (submitted by September 30, 2017): \$110 per day or \$180 for both days. Students' fee is \$75 per day or \$110 for both days.

**Late** (submitted on or after October 1, 2017, or on-site\*): \$120 per day or \$210 for both days. Students' fee is \$85 per day or \$120 for both days.

**\*On-site registrations will be charged an extra \$2 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, 2017. *No refunds after that date.*

**Fill in and submit your registration form online at:**  
[www.cdfa.ca.gov/go/FREPCONference](http://www.cdfa.ca.gov/go/FREPCONference)

## 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](mailto:conference-regn@healthyplants.org)

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## 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/FREPCONference](http://www.cdfa.ca.gov/go/FREPCONference)

## REGISTRATION FEES

### Early registration is submitted by September 30, 2017

Regular:  \$180 for Nov. 1-2     \$110 for Nov. 1     \$110 for Nov. 2  
Students:  \$110 for Nov. 1-2     \$75 for Nov. 1     \$75 for Nov. 2

### Late registration is submitted October 1 - 26, 2017, or on-site\*

Regular:  \$210 for Nov. 1-2     \$120 for Nov. 1     \$120 for Nov. 2  
Students:  \$120 for Nov. 1-2     \$85 for Nov. 1     \$85 for Nov. 2

**\*On-site registrations will be charged an extra \$2 processing fee**

## 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)

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

