

# 23RD ANNUAL CONFERENCE

A JOINT EVENT

EARLY REGISTRATION DEADLINE:

**OCTOBER 6, 2015**

2015



## CONFERENCE

Nutrient Management:  
Challenges and Opportunities

November 5-6, 2015  
Seaside, California  
Embassy Suites

The Fertilizer Research and Education Program (FREP) of the California Department of Food and Agriculture (CDFA) and the Western Plant Health Association (WPHA) present this one and a half day conference on nutrient management for California agriculture. Presenters from academia, industry, governmental agencies, and agricultural consulting will provide general and technical information, current research data, and practical applications addressing statewide and regional nutrient management issues. The program is geared toward a wide range of agriculturalists, including agricultural supply and service consultants, growers, university extension specialists, crop advisers, and local, state and national governmental agency personnel.

### THE SPONSORS



The CDFA Fertilizer Research and Education Program coordinates and funds research and education 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)



**WPHA**

Western Plant Health Association

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)

CCA and PCA credits have been applied for.  
Special registration is available for students.

# CONFERENCE PROGRAM

## THURSDAY, NOVEMBER 5, 2015

**Facilitator:** Dr. Jerome Pier

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

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

**9:30 – 10:00 Determination of Root Distribution, Dynamics, Phenology and Physiology of Almonds to Optimize Fertigation Practices**

*Dr. Patrick Brown, Professor, UC Davis, Department of Plant Sciences*

**10:00-10:30 Evaluation of a 24 Hour Soil CO<sub>2</sub> Test for Estimating Potential N-Mineralization to Reassess Fertilizer N Recommendations**

*Dr. William Horwath, Professor of Soil Biogeochemistry, UC Davis, Department of Land, Air and Water Resources*

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

**10:50-11:20 Development of Economical Variable Rate P Application Protocols for Desert Vegetable Production Systems**

*Dr. Charles Sanchez, Professor, University of Arizona*

**11:20-11:50 Nitrogen Reporting in the Central Coast Region**

*Chris Rose, Senior Environmental Scientist, Irrigated Lands Regulatory Program Manager, Central Coast Water Board*

**11:50 – 1:00 Lunch**

**1:00 – 1:30 Water and Nitrogen Management: Recognizing and Adapting to Logistical Challenges at the Farm Field Level**

*Dr. Marcus Buchanan, Agronomist, Buchanan Associates*

**1:30 – 3:00 Panel Discussion: Challenges to the Implementation of BMPs on the Central Coast**

*Moderator: Dr. Patrick Brown*

*Panel: Dr. Michael Cahn, Dr. Marcus Buchanan, and Mark Mason*

**3:00 – 3:20 Break**

**3:20 – 3:50 Improving Pomegranate Fertigation and Nitrogen Use Efficiency with Drip Irrigation Systems**

*Dr. Claude Phene, Irrigation and Soil Physics Consultant, SDI+*

**3:50 – 4:20 Assessment of Baseline Nitrous Oxide Emissions in Response to a Range of Nitrogen Fertilizer Application Rates in Corn Systems**

*Dr. Martin Burger, Associate Project Scientist, UC Davis, Department of Land, Air and Water Resources*

## FRIDAY, NOVEMBER 6, 2015

**Facilitator:** Mr. Steve Vasquez

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

**8:30 - 9:00 Optimizing the Use of Groundwater Nitrogen for Nut Crops**

*Dr. David Smart, Professor, UC Davis, Department of Viticulture and Enology*

**9:00 – 9:30 Developing Nitrogen Management Strategies to Optimize Grain Yield and Protein Content While Minimizing Leaching Losses in California Wheat**

*Dr. Robert Hutmacher, Cooperative Extension Specialist and Center Director, West Side REC*

**9:30 – 10:00 Fertilizer Sources and Nutrient Management**

*Dr. Jerome Pier, Agronomist, North Valley Division, Crop Production Services*

**10:00-10:15 Break**

**10:15-10:45 Challenges in Developing an Organic Fertilization Program for Processing Tomatoes**

*Gene Miyao, Farm Advisor for Vegetable Crops, UC Cooperative Extension, Yolo County*

**10:45-11:15 Interpreting Soils – Old and New Techniques**

*Keith Backman, Consultant Manager, Dellavalle Laboratory, Inc.*

**11:15-11:45 Salinity Management in Strawberries and Caneberries**

*Mark Bolda, Farm Advisor for Strawberries and Cane Berries, UC Cooperative Extension, Santa Cruz County*

**11:45-12:00 Closing Remarks**

### Continuing Education Units (CEUs)

PCA and CCA hours have been applied for. Details will be available at <http://www.cdca.ca.gov/go/frep>



# REGISTRATION INFORMATION

## EMBASSY SUITES

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 \$10 a day.

## HOTEL RESERVATION

The hotel room rate is \$174 per night, and the room code for conference attendees is WP1. Reserve your room online at [embassysuites.hilton.com/en/es/groups/personalized/M/MRYESES-WP1-20151104/index.jhtml?WT.mc\\_id=POG](http://embassysuites.hilton.com/en/es/groups/personalized/M/MRYESES-WP1-20151104/index.jhtml?WT.mc_id=POG). You may also book your room by calling 1-800-Embassy and mentioning "Western Plant Health."

## CONFERENCE REGISTRATION

**Early** (submitted by October 6, 2015): \$80 per day or \$150 for both days. Students' fee is \$45 per day or \$80 for both days.

**Late** (submitted after October 6, 2015 or on-site\*): \$90 per day or \$175 for both days. Students' fee is \$50 per day or \$90 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 6, 2015. No refunds after that date.

**Fill 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

Which format do you prefer for the 2015 conference handouts and annual FREP research report?

☐ Paper (hard copy)

☐ Flash drive (soft copy)

### Send completed registration forms to:

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

**-OR-**

### Fill and 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 October 6, 2015

Regular: ☐ \$150 for Nov. 5 & 6 ☐ \$80 for Nov. 5 ☐ \$80 for Nov. 6

Students: ☐ \$80 for Nov. 5 & 6 ☐ \$45 for Nov. 5 ☐ \$45 for Nov. 6

### Late registration is submitted after October 6, 2015, or on-site\*

Regular: ☐ \$175 for Nov. 5 & 6 ☐ \$90 for Nov. 5 ☐ \$90 for Nov. 6

Students: ☐ \$90 for Nov. 5 & 6 ☐ \$50 for Nov. 5 ☐ \$50 for Nov. 6

**\*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)

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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

