



**THE ALMOND
CONFERENCE**
WELCOME

DECEMBER 8
DAY 1 AGENDA

DECEMBER 9
DAY 2 AGENDA

DECEMBER 10
DAY 3 AGENDA

**POSTER
SESSION MAP**

**TRADE SHOW
MAPS + COMPANY
DESCRIPTIONS**



2015 THE ALMOND CONFERENCE

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DECEMBER 8–10, 2015
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Dear Almond Community Members and Stakeholders,

Welcome! The Almond Board of California (ABC) directors and staff are very pleased that you are attending the 43rd Almond Conference. As our industry continues to face unprecedented challenges, we hope that you will avail yourselves of all of the learning opportunities during the conference, which are designed to help you continue operating responsibly and successfully in the face of California's severe drought. We have experienced a very stressful year on many fronts, but the future is full of opportunities for our industry to exhibit agricultural leadership and contribute to solutions across a changing landscape in agriculture.

Similar to last year's program, the conference begins on Tuesday at 12:00 p.m. New to this year's program is the addition of several concurrent tracks of presentations, which will require participants to carefully study each day's agenda and select sessions to attend based on the material that is most relevant to them. Ideally, participant companies and growers will attend the conference with colleagues and family members so that they can "divide and conquer," taking full advantage of all of the informational offerings.

From 4:30–5:30 p.m. on Tuesday, Chairman Mike Mason and I will open the conference with our viewpoints covering the present and future state of the industry. Also at the opening session, CDFA Secretary Karen Ross (invited) and Sacramento Mayor Kevin Johnson (invited) will share with us their thoughts on Central Valley agriculture and Sacramento's goal of becoming America's Food to Fork Capital. Immediately following the State of the Industry session, we will all celebrate another successful year with the conference opening reception in the trade exhibit hall sponsored by Premier Sponsor BASF.

For those of you who have attended past conferences, you have recognized that this annual gathering of our community affords us all the opportunity to get together to discuss, debate, share experiences and have some fun. The Almond Conference is the only event of its kind for our industry, and it's very important that we use this time to take stock of where we are as an industry and to collectively contemplate our future. I hope that this year will be the most rewarding conference yet for all attendees.

Wednesday's and Thursday's agendas are likewise full of multiple track content. You will readily notice that there is a very heavy subject-matter concentration this year again on the issues of water. Water is the biggest challenge facing all Californians. Therefore, we are dedicating a great deal of conference time for discussion and debate on water matters. In addition, we will have the traditional research update sessions, where our researchers will present their research findings in rapid-fire succession. Plenty of time has also been built into the agenda for the research poster sessions and interaction with the trade exhibitors.

Also on the agenda, our global market development activities and achievements will be well represented with highlights on each of our major markets. I strongly encourage you to attend these sessions as they provide significant insight into the challenges and opportunities of building global demand for almonds. In addition, we will have a presentation from one of the members of this year's ABC Almond Leadership class.



2015 THE ALMOND CONFERENCE

I always find these presentations of great value as the thought behind the projects that the class participants develop, and the presentations themselves, come from the future leadership of our industry.

This year we will have two sit-down lunches, each with keynote speakers. Lunch on Wednesday, December 9, will dive into various aspects of the monumental challenges of water management in much of the United States, but more specifically right here at home in California. Lunch on Thursday, December 10, will delve into the expectations of retailers, food manufacturers and consumers when it comes to California agriculture sustainability. You will not want to miss these two luncheon sessions, so be sure to check with the registration kiosks and purchase lunch tickets before they run out!

Thursday night is the annual Gala Dinner and, since we're getting back into the swing of national elections, we will be entertained by Capitol Steps, a hilarious comedy troupe that pokes fun at politicians of all stripes. Following much laughter, we will get up and shake a leg, dancing to the music of the same great cover band that had us hooting and wanting more last year! Be sure not to miss the Gala evening. If you haven't done so already, purchase your tickets and reserve your table with friends and family now!

I wish you a truly wonderful conference.



Richard Waycott
President & CEO

THE ALMOND
CONFERENCE
WELCOME

DECEMBER 8
DAY 1 AGENDA

DECEMBER 9
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DECEMBER 10
DAY 3 AGENDA

POSTER
SESSION MAP

TRADE SHOW
MAPS + COMPANY
DESCRIPTIONS





CEU OVERVIEW

TUES DEC 8

| TIME | SESSION | UNITS |
|-----------------|---|--|
| 12:00–1:00 p.m. | California Almonds: The Passage to India (Room 314) | CCA: 1 Professional Development |
| 12:00–1:30 p.m. | What's the Buzz on Bees (Room 310–311) | CCA: 0.5 Integrated Pest Management CCA: 1 Crop Management DPR: 0.5 Laws and Regulations DPR: 1 Other |
| 12:00–1:30 p.m. | Characteristics of CA Almonds (Room 306) | CCA: 1.5 Professional Development |
| 12:00–1:30 p.m. | What are the Aussies Up to Down Under? (Room 307) | CCA: 0.5 Soil and Water Management CCA: 1 Crop Development |
| 1:30–2:20 p.m. | Air Quality Regs and Requirements (Room 307) | CCA: 1 Crop Management |
| 1:45–2:45 p.m. | Research Update: Pollination (Room 310–311) | CCA: 0.5 Integrated Pest Management CCA: 0.5 Crop Management DPR: 0.5 Laws and Regulations DPR: 0.5 Other |
| 1:45–2:45 p.m. | How Does an Almond Tree Grow? (Room 307) | CCA: 1 Crop Management DPR: 1 Other |

WED DEC 9

| TIME | SESSION | UNITS |
|------------------|---|--|
| 8:30–9:30 a.m. | Almond Industry Leadership: Visibility, Responsibility and Providing Next-Generation Solutions (Room 310–311) | CCA: 0.5 Soil and Water Management CCA: 0.5 Crop Management DPR: 0.5 Other |
| 10:15–11:15 a.m. | Irrigation 1.0 Standards (Room 310–311) | CCA: 1 Soil and Water Management |
| 10:15–11:15 a.m. | Achieving Irrigation 2.0 + 3.0 Efficiencies (Room 307) | CCA: 1 Soil and Water Management |
| 10:15–11:00 a.m. | West Coast Ports: What Comes Next? (Room 314) | CCA: 0.5 Professional Development |
| 10:15–11:45 a.m. | A European Odyssey: From Shipments to Supermarkets (Room 306) | CCA: 1.5 Professional Development |
| 11:15–12:00 p.m. | Managing Orchard Salinity During and After Drought (Room 310–311) | CCA: 0.5 Soil and Water Management DPR: 0.5 Other |
| 11:15–12:00 p.m. | Understanding Groundwater (Room 307) | CCA: 0.5 Soil and Water Management |
| 11:15–12:00 p.m. | What's Coming from Sacramento? (Room 314) | CCA: 0.5 Soil and Water Management |
| 12:00–1:15 p.m. | Luncheon (Hall C) | CCA: 1 Soil & Water Management |

THURS DEC 10

| TIME | SESSION | UNITS |
|------------------|---|---|
| 9:00–10:30 a.m. | Soil Quality: What's Relevant to Growing Almonds? (Room 307) | CCA: 1.5 Soil and Water Management DPR: 1 Other |
| 9:00–10:00 a.m. | Crunch On: Snacking and Sustainability in North America (Room 314) | CCA: 1 Professional Development |
| 9:00–10:30 a.m. | Postharvest Pest Management (Room 306) | CCA: 1.5 Professional Development |
| 9:00–12:00 p.m. | Insect Pest Management Workshop (Room 310–311) | CCA: 3.0 Integrated Pest Management DPR: 1 Laws and Regulations DPR: 2.0 Other |
| 9:00–12:00 p.m. | Western United States Agricultural Trade Association European Buying Mission | CCA: 3.0 Professional Development |
| 10:15–11:45 a.m. | Taste the Sunshine: Bringing the Benefits of California Almonds to Chinese Consumers (Room 314) | CCA: 1.5 Professional Development |
| 10:30–12:00 p.m. | Certifying Orchard Best Management Practices: How, When and Why? (Room 306) | CCA: 0.5 Nutrient Management CCA: 0.5 Soil & Water Management CCA: 0.5 Integrated Pest Management |
| 10:45–11:30 a.m. | Soil Pest Management: The Latest in Regs & Research (Room 307) | CCA: 0.5 Soil and Water Management CCA: 0.5 Integrated Pest Management DPR: 0.5 Other |

| TIME | SESSION | UNITS |
|----------------|--|--|
| 1:45–3:15 p.m. | Almond Shelf Life and Quality Preservation (Room 306) | CCA: 1.5 Professional Development |
| 2:30–3:30 p.m. | Uniform Almond Export Contract: What's New (Room 310–311) | CCA: 1 Professional Development |
| 3:00–4:00 p.m. | Research Update: Growing Almonds (Room 310–311) | CCA: 0.5 Crop Management CCA: 0.5 Nutrient Management DPR: 0.5 Other |
| 3:00–4:15 p.m. | Growing Organic (Room 307) | CCA: 1 Crop Management CCA: 0.5 Soil and Water Management DPR: 1.5 Other |
| 3:20–4:30 p.m. | Use of <i>Enterococcus faecium</i> as a Surrogate (Room 306) | CCA: 1 Professional Development |
| 4:30–5:30 p.m. | State of the Industry (Room 310–311) | CCA: 1 Professional Development |

| TIME | SESSION | UNITS |
|----------------|--|---|
| 1:15–1:45 p.m. | The Future of Net Metering (Almond Stage, Hall A+B) | CCA: 0.5 Professional Development |
| 1:45–3:45 p.m. | Research Update: Irrigation (Room 310–311) | CCA: 1.0 Soil and Water Management CCA: 1.0 Crop Management DPR: 0.5 Other |
| 1:45–3:00 p.m. | Water: What New Regulations May Mean for You (Room 307) | CCA: 1 Soil and Water Management |
| 1:45–2:45 p.m. | Growers Tell Their Stories to the Media – Why That Matters! (Room 314) | CCA: 1 Professional Development |
| 1:45–3:15 p.m. | So, You Want to Validate a Process System? (Room 306) | CCA: 1.5 Professional Development |
| 3:00–3:45 p.m. | Groundwater Recharge: A Role for Almonds? (Room 314) | CCA: 0.5 Soil and Water Management |
| 3:00–4:00 p.m. | Grants for Growers (Room 314) | CCA: 0.5 Nutrient Management CCA: 0.5 Integrated Pest Management |
| 3:45–4:15 p.m. | The Changing Landscape of Social Media (Room 306) | CCA: 0.5 Professional Development |
| 3:30–5:00 p.m. | Research Poster Session (Hall A+B) | CCA: 0.5 Soil and Water Management CCA: 0.5 Nutrient Management CCA: 0.5 Integrated Pest Management DPR: 0.5 Other |

| TIME | SESSION | UNITS |
|------------------|--|---|
| 11:30–12:00 p.m. | What's Up with Nickels Soil Lab Research (Room 307) | CCA: 0.5 Crop Management |
| 12:00–1:20 p.m. | Luncheon: Perspective on California Ag in Sustainability (Hall C) | CCA: 1 Professional Development |
| 2:00–3:00 p.m. | Research Poster Session (Hall A+B) | CCA: 0.5 Soil and Water Management CCA: 0.5 Nutrient Management |
| 3:00–3:45 p.m. | Live Life Beautifully: Almond Board's Marketing Evolution in S. Korea (Room 314) | CCA: 0.5 Professional Development |
| 3:00–4:15 p.m. | Almonds and Carbon Sequestration: What It Means for the Future (Room 307) | CCA: 1 Crop Management |
| 3:00–4:30 p.m. | FSMA is Here...Let's Roll (Room 306) | CCA: 1.5 Professional Development |
| 3:00–5:00 p.m. | Research Update: Pest Management | CCA: 1 Integrated Pest Management CCA: 1 Crop Management DPR: 1 Other |
| 4:00–5:00 p.m. | Export Shipments: What's Going Bump in the Night around the World? (Room 314) | CCA: 1 Professional Development |
| 4:20–4:50 p.m. | Canker Diseases of Almond (Room 307) | CCA: 0.5 Crop Management DPR: 0.5 Other |



AGENDA: DAY 1 TUESDAY, DECEMBER 8

12:00–1:00 P.M.
California Almonds: The Passage to India
Room 314

12:00–1:30 P.M.
What's the Buzz on Bees
Room 310–311

12:00–1:30 P.M.
Characteristics of California Almonds
Room 306

12:00–1:30 P.M.
What are the Aussies Up to Down Under?
Room 307

1:30–2:20 P.M.
Air Quality Regs and Requirements
Room 314

1:45–2:45 P.M.
Research Update: Pollination
Room 310–311

1:45–2:45 P.M.
How Does an Almond Tree Grow?
Room 307

1:45–3:15 P.M.
Almond Shelf Life and Quality Preservation
Room 306

2:30–3:30 P.M.
Uniform Almond Export Contract: What's New
Room 314

3:00–4:00 P.M.
Research Update: Growing Almonds
Room 310–311

3:00–4:15 P.M.
Growing Organic
Room 307

3:20–4:30 P.M.
Use of *Enterococcus faecium* NRRL B-2354 as a Surrogate
Room 306

4:00–4:20 P.M.
Metal Sponsor Presentation
BASF: A New Mode of Action in Mite Control
Room 310–311

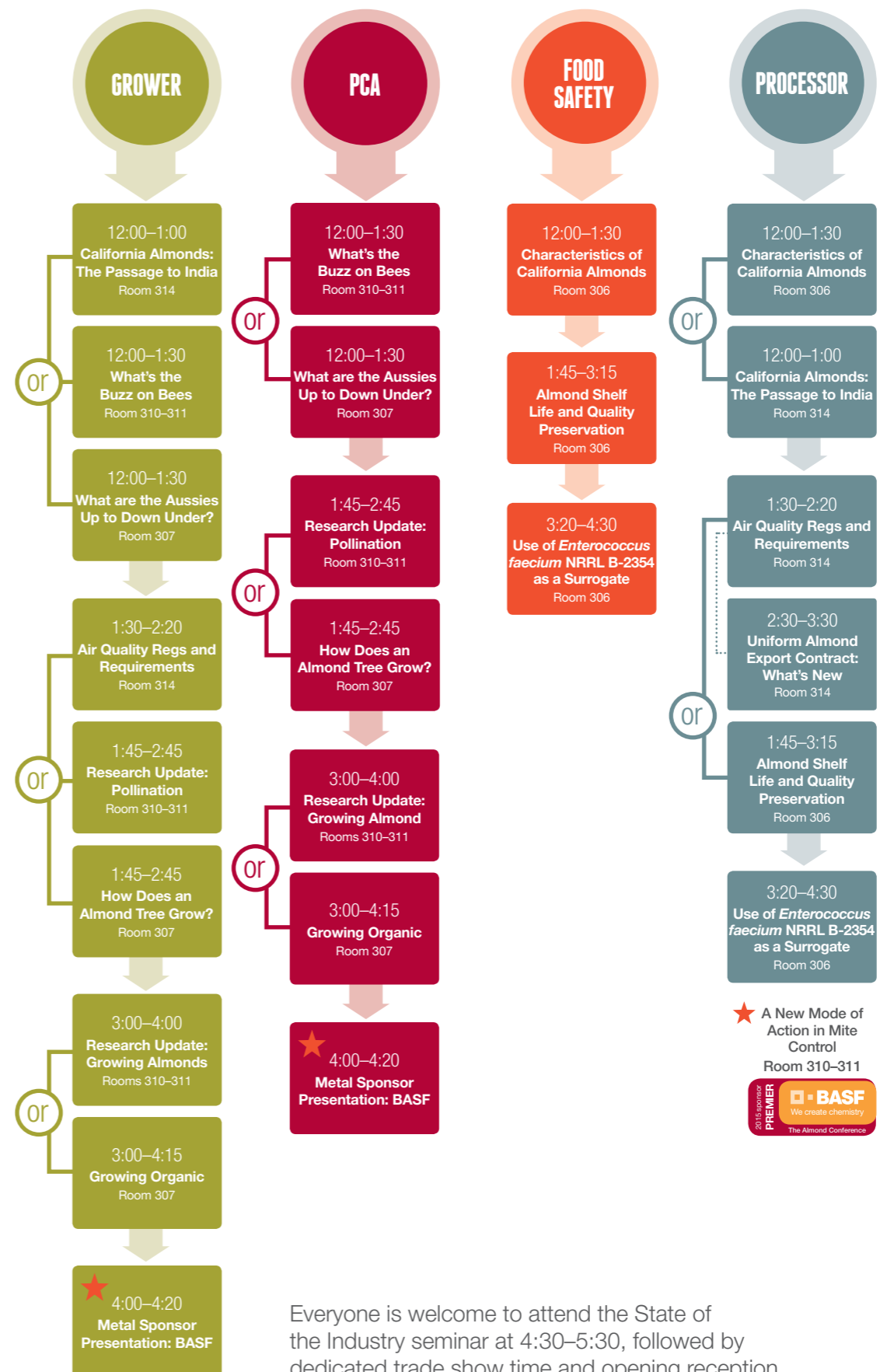
4:30–5:30 P.M.
State of the Industry
Room 310–311

5:30–7:00 P.M.
Dedicated Trade Show Time
Hall A+B

5:30–7:00 P.M.
Opening Reception
Hall A+B

SUGGESTED CONFERENCE EXPERIENCES:

Select your audience and follow your specific color to identify symposiums and events to maximize your conference experience.



Everyone is welcome to attend the State of the Industry seminar at 4:30–5:30, followed by dedicated trade show time and opening reception.



DAY 1 SYMPOSIUM DESCRIPTIONS

TUESDAY, DECEMBER 8

Registration Hours:
8:00 A.M.—7:00 P.M.

California Almonds: The Passage to India

12:00–1:00 P.M.
Room 314
Moderator: Stacey Humble (ABC)
Speakers: Sudarshan Mazumdar (ABC), Joanna Clifton (Innova Market Insights), Julie Adams (ABC)

India was the third largest export market for Almond Board of California in crop year 2014–15. Having said that, there is a big growth opportunity for almonds in India. India is culturally very different from other regions, and in this session we will talk about how the India program leverages this cultural context for driving demand and promoting enhanced consumption. We will also cover the big opportunity areas that almonds could leverage and how our current advertising and public relations programs are helping market growth for both today and the future. Additionally, the session will highlight how trade in India is structured differently from other markets in which we run programs and how we are encouraging trade. The regulatory environment in India is complex and rapidly evolving. During this session, we will review the regulatory environment and talk about our interventions to ensure smooth market access for almonds so that the almond trade continues to flourish in the years to come.



What's the Buzz on Bees?

12:00–1:30 P.M.
Room 310–311
Speakers: Christi Heintz (Project Apis m.), Neal Williams (UC Davis), Mike Silveira (B&S Orchards), Danielle Veenstra (ABC), Brittney Goodrich (UC Davis)

Responsible for one-third of all food production, pollinators—specifically honey bees—are essential to global food security. With their health an area of concern and the essential service they provide to almond growers, Almond Board is committed to helping find solutions for beekeepers and growers alike. This session will outline the latest in issues and research facing honey bees as well as the newly announced White House Pollinator Strategy, which will shape the way our nation addresses this concern. A component of the strategy, providing forage for bees, is something that almond growers can implement in their operations and will be discussed both from researcher and grower field-tested perspectives. Growers can directly contribute to honey bee health by following the Almond Board's Honey Bee BMPs, which will be outlined at the session. Concluding the session will be an interactive discussion and survey about pollination agreements.

Characteristics of California Almonds

12:00–1:30 P.M.
Room 306
Moderator: Guangwei Huang (ABC)
Speakers: Zata Vickers (University of Minnesota), Alyson Mitchell (UC Davis), Dawn Chapman (The National Food Laboratory), Ellie King (The National Food Laboratory)

Eleven varieties account for more than 95% of California Almond production volume. Recent quality research has begun to characterize the uniqueness of California's major varieties. This session will provide up-to-date research findings on flavor-volatile and flavor-contributing component mapping, sensory properties and sensorial correlation, and consumer-preferred sensory quality. This information will help almond processors and users to better understand and communicate compositional and sensory differences among almond varieties grown in California.

What are the Aussies Up to Down Under?

12:00–1:30 P.M.
Room 307
Moderators: Karen Lapsley (ABC), Brenton Woolston (Almondco Australia Ltd.)
Speakers: Michelle Wirthensohn (University of Adelaide), Michael Coates (University of South Australia)

The California and Australian almond industries share a range of production challenges as each looks forward to ongoing growth. This session will focus on key areas of common interest, ranging from selection of almond varieties for self-compatibility and drought tolerance, to the lessons learned on water management from southeastern Australia's 10-year drought, to different almond harvest practices being explored.



Almond Shelf Life and Quality Preservation

1:45–3:15 P.M.
Room 306
Moderator: Guangwei Huang (ABC)
Speakers: Roger Ruan (University of Minnesota), Ron Pegg (University of Georgia), Alyson Mitchell (UC Davis)

Almond quality and shelf life can be influenced by three general factors: the product characteristics, the environment during distribution and storage, and the package. These factors interact in many ways to influence almond quality and impact shelf life. Two recently completed shelf-life studies on different raw and roasted whole almonds have confirmed long shelf life potential of California Almonds, and importance

of considering storage conditions and packaging. This session will update stakeholders on the latest learnings about the shelf life of California Almonds and the techniques for quality preservation.



Research Update: Pollination

1:45–2:45 P.M.
Room 310–311

For more than 40 years, the Almond Board of California's research programs have advanced knowledge around yields, quality and environmental stewardship, contributing to the growth and success of the industry. Almond Board-funded researchers have helped to identify areas of opportunity and success through all parts of the growing lifecycle. Be sure to attend these six-minute updates by researchers, offering insight into all ongoing research projects concerning pollination and honey bee health. Researchers will also be available at poster sessions in Hall A+B at the times noted on page 26, giving conference attendees a chance to ask follow-up questions.

Research Topics and Speakers:

- Honey Bee Stock Improvement, Steve Sheppard, Washington State University
- Bloom Spray Timing and Bee Exposure, Jody Johnson, Cullaborate
- Fungicide Effects on Pollination Efficiency, Neal Williams, UC Davis
- Tech Transfer Teams for Commercial Beekeeping: Pacific Northwest Team, Ramesh Sagili, Oregon State University
- Effects of Supplemental Forage on Honey Bee Health, Ramesh Sagili, Oregon State University

- Effects of Supplemental Forage on Honey Bee Health, Quinn McFrederick, UC Riverside
- Varroa Mite IPM Program, Fabiana Ahumada, Ag Science Consulting
- Varroa Miticide Resistance and Development, Troy Anderson, Virginia Tech

Air Quality Regs and Requirements

1:30–2:20 P.M.
Room 314
Moderator: Julie Adams (ABC)
Speakers: Roger Isom (Western Agricultural Processors Association), Danielle Veenstra (ABC), CA Air Resource Board (TBD)

Whether PM2.5, ozone, greenhouse gases or dust, the regulatory environment keeps changing. This panel will address the status of current air quality regulations, looking at what programs are available to help growers with training, compliance and equipment transition. Recently released ABC dust best management practices will also be reviewed.

How Does an Almond Tree Grow?

1:45–2:45 P.M.
Room 307
Speakers: Ted DeJong (UC Davis), Astrid Volder (UC Davis), Maciej Zwieniecki (UC Davis)

Understanding how almond trees grow and develop impacts management decisions. Be sure to attend this session to learn more about the following questions: What factors influence tree growth and spur development? What governs root development in almond and other Prunus species? Are almond trees really dormant during dormancy?



Uniform Almond Export Contract: What's New

2:30–3:30 P.M.
Room 314
Moderator: Julie Adams (ABC)
Speakers: John Whittaker (Clyde & Co.), Tara Smith (Clyde & Co.)

Specifications, defaults, arbitration and Pre-Export Checks—all are important elements of the Uniform Almond Export Contract (UAEC). What are some of the issues you need to consider to protect your position contractually? Export shippers and customers are invited to come hear an update and general discussion of the UAEC from John Whittaker and Tara Smith of Clyde & Co. (London).

Research Update: Growing Almonds

3:00–4:00 P.M.
Room 310–311

For more than 40 years, the Almond Board of California's research programs have advanced yields, quality and environmental stewardship, contributing to the growth and success of the industry. Almond Board-funded researchers have helped to identify areas of opportunity and success through all parts of the growing life cycle. Be sure to attend these six-minute updates by researchers, offering insight into ongoing horticultural research projects. Researchers will also be available at poster sessions in Hall A+B at the times noted on page 26, giving conference attendees a chance to ask follow-up questions.

Research Topics and Speakers:

- N2O Emissions from Almond, David Smart, UC Davis
- Life Cycle Assessment of GHG Emissions for Almond Processing and Distribution, Alissa Kendall, UC Davis
- Regional Variety Trials, Bruce Lampinen, UC Davis
- Mechanical Hedging, Bruce Lampinen, UC Davis
- Development of Almond Rootstocks, Malli Aradhya, USDA-ARS, Davis, CA
- Young Orchard Management Educational Materials, Katherine Pope, UCCE-Yolo, Solano, Sacramento Counties
- UC Pomology-Almond Board Farm Advisor Internship, Luke Milliron, UC Davis



Growing Organic

3:00–4:15 P.M.

Room 307

Moderator: Harbinder Maan (ABC)
 Speaker: Joanna Clifton (Innova Market Insights)

Growing almonds organically can be exciting for some and a bit overwhelming for others. This session will cover the production environment and considerations of organic production, including challenges and opportunities in the orchard. Following the “in the orchard” discussion will be a deep dive into the current market environment, including the increase in new organic products and how manufacturers are playing up the organic label.



METAL SPONSOR PRESENTATION



A New Mode of Action in Mite Control

4:00–4:20 P.M.

Room 310–311

Moderator: Richard Waycott (ABC)
 Speaker: Rianna M. Guethling (BASF)

BASF introduces Nealta® Miticide, the latest integrated pest management tool for specialty crops. Nealta Miticide delivers long-lasting control of spider mites at all life stages, including eggs, through a unique mode of action. This product also provides excellent knockdown and residual control of problematic mites while being compatible with beneficial mites and non-target arthropods. Nealta Miticide offers a short per-harvest interval, application flexibility and tank-mix compatibility. Labeled for use on tree nut, grape, strawberry, citrus, tomato and apple crops, Nealta Miticide is part of the BASF portfolio of proven crop protection innovations, including Merivon® fungicide, Pristine® fungicide, Treevix® herbicide, Prowl® herbicide and Altrevin® fire ant bait insecticide. For more information, please visit www.agproducts.basf.us.



Use of *Enterococcus faecium* NRRL B-2354 as a Surrogate

3:20–4:30 P.M.

Room 306

Moderator: Guangwei Huang (ABC)
 Speakers: Linda Harris (UC Davis), Maria Marco (UC Davis), Shirin Abd (The National Food Laboratory), Carrie Ferstl (The National Food Laboratory)

Through numerous ABC-funded projects, *Enterococcus faecium* NRRL B-2354 had been identified as a proper surrogate for *Salmonella* Enteritidis Phage Type 30 in terms of heat resistance and was recommended for process validation in ABC-issued validation guidelines. However, later biosafety reclassification of *Enterococcus faecium* by ATCC (American Type Culture Collection) caused concerns on its use as a surrogate. More recent studies proved its biosafety level and helped ATCC reverse the reclassification. Since that decision, ABC has funded more projects to expand use of the surrogate for different almond forms and to extend the storage duration for surrogate-inoculated samples. The session will cover the latest findings.



State of the Industry

4:30–5:30 P.M.

Room 310–311

Speakers: Mike Mason (Supreme Almonds), Richard Waycott (ABC), Karen Ross (Secretary of the California Department of Food and Agriculture, invited), Kevin Johnson (Mayor of Sacramento, invited)

The California Almond industry successfully weathered another crop year in which many of the Central Valley’s agricultural fundamentals were challenged with scarcity and evolving policy. The resilient nature of our industry was ubiquitous throughout the year as almond growers confronted those challenges with innovation and ingenuity. So, what lies ahead for almond growing and global markets? The State of the Industry session will address these questions with Mike Mason, Almond Board of California (ABC) Chairman, and Richard Waycott, ABC President and CEO, discussing their visions for California agriculture and the leadership that the almond industry must provide in the years to come. California Department of Food and Agriculture (CDFA) Secretary Karen Ross (invited) will join Mike and Richard to share her and the Brown Administration’s outlook on the many issues and opportunities that lie ahead. Sacramento Mayor Kevin Johnson (invited) will add his welcome to conference participants, commenting on his campaign to cement his city as America’s Farm to Fork Capital.

California Almond Industry Political Action Committee (PAC)

sponsored by the Almond Hullers & Processors Association (AHPA)

A VOICE FOR THE CALIFORNIA ALMOND INDUSTRY

WHO BENEFITS FROM THE CALIFORNIA ALMOND INDUSTRY PAC ACTIVITIES?

Growers • Huller/Shellers • Processors • Allied Industries

WHY JOIN?

To establish and maintain our industry as a strong, concerned, and active political force and help assure your industry’s involvement in the decision-making process.

WHO ADMINISTERS THE PAC?

An Executive Committee consisting of industry representatives supervises and controls the activities and funds of California Almond Industry PAC.

HOW ARE PAC FUNDS USED?

Support and Educate State Representatives • Support State Campaigns • Committee Operational Expenses

WHO MAY CONTRIBUTE?

Individuals • Partnerships • Corporations

www.ahpa.net

California Almond Industry PAC ID# 1365388 is a political committee registered with the State of California.



AGENDA: DAY 2

WEDNESDAY, DECEMBER 9

8:30–9:30 A.M.
Almond Industry Leadership: Visibility, Responsibility and Providing Next-Generation Solutions
 Room 310–311

9:30–10:15 A.M.
Dedicated Trade Show Time
 Hall A+B

10:15–11:15 A.M.
Irrigation 1.0 Standards
 Room 310–311

10:15–11:15 A.M.
Achieving Irrigation 2.0 + 3.0 Efficiencies
 Room 307

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West Coast Ports: What Comes Next?
 Room 314

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A European Odyssey: From Shipments to Supermarkets
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11:15–12:00 P.M.
Managing Orchard Salinity During and After Drought
 Room 310–311

11:15–12:00 P.M.
Understanding Groundwater
 Room 307

11:15–12:00 P.M.
What's Coming from Sacramento?
 Room 314

12:00–1:15 P.M.
Luncheon: Sponsored by Yosemite Farm Credit
 Hall C

1:15–1:45 P.M.
Metal Sponsor Presentation: JKB Energy: The Future of Net Metering: An Update on NEM Transition Timelines and Other Changing Incentives
 Almond Stage, Hall A+B

1:15–2:15 P.M.
Dedicated Trade Show Time
 Hall A+B

1:45–3:45 P.M.
Research Update: Irrigation and Growing Almonds
 Room 310–311

1:45–3:00 P.M.
Water: What New Regulations May Mean for You
 Room 307

1:45–2:45 P.M.
Growers Tell Their Stories to the Media – Why That Matters!
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1:45–3:15 P.M.
So, You Want to Validate a Process System?
 Room 306

3:00–3:45 P.M.
Groundwater Recharge: A Role for Almonds?
 Room 307

3:00–4:00 P.M.
Grants for Growers
 Room 314

3:45–4:15 P.M.
The Changing Landscape of Social Media
 Room 306

3:30–5:00 P.M.
Research Poster Session
 Hall A+B

3:30–5:30 P.M.
Dedicated Trade Show Time + Social Hour
 Hall A+B

4:20–4:40 P.M.
About the California Almond Sustainability Program
 Almond Stage, Hall A+B

SUGGESTED CONFERENCE EXPERIENCES:

Select your audience and follow your specific color to identify symposiums and events to maximize your conference experience.



Dedicated trade show time is from 9:30–10:15 A.M., 1:15–2:15 P.M. and 3:30–5:30 P.M. in Hall A+B.

DAY 2 SYMPOSIUM DESCRIPTIONS

WEDNESDAY, DECEMBER 9

Registration Hours:
7:00 A.M.–6:00 P.M.

Almond Industry Leadership: Visibility, Responsibility and Providing Next-Generation Solutions

8:30–9:30 A.M.

Room 310–311
Moderator: Richard Waycott (ABC)
Speakers: Stacey Humble (ABC), Karen Lapsley (ABC)

During the State of the Industry session last evening, ABC Chairman Mike Mason and President and CEO Richard Waycott addressed the outlook for agriculture in California and the leading role that the ABC and the almond industry must assume. In this morning's General Session, Richard Waycott ABC Vice President for Global Marketing Stacey Humble and ABC Chief Scientific Officer Karen Lapsley will discuss how ABC and the industry are taking up that leadership role in driving the dissemination of accurate knowledge about farming in California to audiences in the state and around the world, in addition to specific forward-thinking strategies addressing the future of almond farming in California. This session will provide you with a comprehensive update on where almonds are positioned in the hearts and minds of customers and consumers, and will offer up ways that you can personally get involved as leaders in your farming and processing practices, and as representatives of your industry.

Irrigation 1.0 Standards

10:15–11:15 A.M.

Room 310–311
Speakers: Larry Schwankl (UCCE Irrigation Specialist Emeritus), Blake Sanden (UCCE-Kern County)

Attend this session to learn about research-based irrigation management practices that are within reach for all California Almond growers. With water allocations in question and groundwater regulations looming, it is in the best interest of all California farmers to adopt efficiency measures, all of which translate well to orchard settings. This session will discuss the importance of efficient irrigation, estimating crop water use with historic ETC, determining application rate with soil moisture and system efficiency factors, scheduling to meet demand and monitoring results.



Achieving Irrigation 2.0 + 3.0 Efficiencies

10:15–11:15 A.M.

Room 307
Speakers: Terry Prichard (UCCE Irrigation and Water Management Specialist Emeritus), Allan Fulton (UCCE-Tehama County)

Given the current drought and water shortages, interest in innovative irrigation solutions are at an all-time high. And as a permanent crop, California Almond orchards are well suited to adopt these new technologies. Geared at growers already using the practices and technology outlined in the Irrigation 1.0 Standards session, attendees can expect to learn about irrigation management techniques to further increase their irrigation efficiency and move the industry into the 21st century. This session will discuss the importance of efficient irrigation, estimating crop water use with historic and real-time ETC, determining application rate with soil moisture and system efficiency factors, scheduling based on planning and real-time correction, and assessing results with soil moisture and plant water status monitoring.

West Coast Ports: What Comes Next?

10:15–11:00 A.M.

Room 314
Moderator: Debbie McMillan (Derco)
Speakers: Peter Friedmann (AgTC)

With 80% of almonds shipped out of the Port of Oakland, last year's West Coast ports slowdown had long-lasting effects. What are some of the other routes or shipping options that might provide alternatives to delays, fees and cancellations? This session will look at some of the efforts currently underway to improve the ability to respond quickly and hopefully head off future disruptions.

A European Odyssey: From Shipments to Supermarkets

10:15–11:45 A.M.

Room 306
Moderator: Stacey Humble (ABC)
Speaker: Alex Francis (ABC), Joanna Clifton (Innova Market Insights), Dariela Roffe-Rackind (ABC), Julie Adams (ABC)

Western European shipments continue to represent the largest export region at 40% of exports. This session will explore the ongoing European opportunity by providing a clear picture of total almond consumption in key markets, factoring global trade statistics, local production data and sales analysis. We will also look at how Europe continues to dominate the share of global almond new product introduction and delve into the growing snacking opportunity: responding to European consumers' desire for natural and convenient snacks. Finally, we will talk through trade and regulatory initiatives to ensure ongoing, smooth market access for California Almonds.

Managing Orchard Salinity During and After Drought

11:15–12:00 P.M.

Room 310–311
Speaker: David Doll (UCCE-Merced County)

Given drought conditions, the increased reliance on lower quality of irrigation water has impacted almond production by increasing the soil electrical conductivity and concentration of toxic salts. These salts need to be managed in order to maintain yields and extend orchard longevity. This session will discuss the management practices that will help determine and manage potential salinity problems.



Understanding Groundwater

11:15–12:00 P.M.

Room 307
Speaker: Graham Fogg (UC Davis)

Groundwater is the source of drinking water for many Americans, provides drought insurance for 40% of our planet's agriculture and sustains many aquatic ecosystems. Understanding this hidden resource is a key to its sustainable management, something that will soon be required of all Californians through the Sustainable Groundwater Management Act. This session will provide an overview of Central Valley's groundwater—how groundwater functions hydrologically, what factors affect it, groundwater and surface water interaction, trends in groundwater usage and impacts of overuse.

What's Coming from Sacramento?

11:15–12:00 P.M.

Room 314
Moderator: Kelly Covello (Almond Hullers and Processors Association)
Speakers: Dennis Albani (California Advocates), CA Legislator (TBD)

Water, environmental policies, byproducts... the issues impacting almonds in particular and agriculture in general just keep coming! Sacramento advocates and elected representatives will discuss priority issues they've been addressing this year, as well as giving their insights on what issues will be the priorities moving forward.



Luncheon Sponsored by Yosemite Farm Credit

12:00–1:15 P.M.

Hall C
Moderator: Richard Waycott (ABC)
Speaker: Letty Belin (Department of the Interior, invited)

Today's luncheon speaker(s) will delve into various aspects of the monumental challenges of water management in much of the United States, but more specifically right here at home in California. This presentation and discussion will cover the longer-term view of trends in water availability and water quality for the western U.S. and how those trends will impact Californian water management. Changes in the amount of rainfall and snowpack, coupled with environmental and endangered-species laws, will make decisions on water policy for agricultural purposes even more complex. But the fact that California produces 50% of the American supply of fruits, vegetables and nuts makes the food supply from the Central Valley a national food security priority. Our speaker(s) will discuss how the many diverse demands on water will be managed in the future in an environment of changing precipitation and warming temperatures.

METAL SPONSOR PRESENTATION



The Future of Net Metering: An Update on NEM Transition Timelines and Other Changing Incentives

1:15–1:45 P.M.

Almond Stage, Hall A+B
Speaker: Chad Cummings (JKB Energy)

2016 holds significant changes for the solar industry and how it impacts California's agricultural industry. The Net Energy Metering Program will be transitioning mid-year, and the 30% Federal Investment Tax Credit is scheduled to decrease beginning in 2017. Growers, hullers and processors will be significantly impacted by the next iteration of the Net Metering Program. This talk will give a clear timeline of coming transitions, availability of remaining incentives and the coming opportunities for the ag industry.

Growers Tell Their Stories to the Media – Why That Matters!

1:45–2:45 P.M.

Room 314
Moderator: Stacey Humble (ABC)
Speakers: Joe Del Bosque (Del Bosque Farms), Jenny Holtermann (Holtermann Farms), Daniel Bays (Bays Ranch)

Almond growers have added another tool to their production practices toolbox: speaking to the media about how and why they farm. Panelists will explain why they take time from tending to their orchards and reach out to a wide variety of media as the industry is scrutinized for its water use. Panelists include Firebaugh grower Joe Del Bosque, a frequent voice on national TV shows; Wasco grower Jenny Holtermann, known by her blogging handle Almond Girl; and third-generation Patterson grower Daniel Bays. Attendees will come away with a clear understanding of the stories that resonate with the media. They'll also get tips on how to share the most impactful messages and become almond industry ambassadors.



Water: What New Regulations May Mean for You

1:45–3:00 P.M.

Room 307
Moderator: Sarge Green (California Water Institute)
Speakers: Rich Juricich (DWR), Russell McGlothlin (Brownstein Hyatt Farber Schrech, LLP), DeeDee D'Adamo (State Water Resources Control Board)

The passage of both the Sustainable Groundwater Management Act (SGMA) and Prop. 1 last year has brought about a new level of water regulations impacting all Californians and particularly agricultural practices. A panel of state water regulators and legal experts will discuss the adjudication process and how it harmonizes with SGMA; surface water issues, such as unimpaired flows; and how you can participate in the implementation process.





So, You Want to Validate a Process System?

1:45–3:15 P.M.

Room 306

Moderator: Tim Birmingham (ABC)

With newly enacted Preventive Controls requirements under the Food Safety Modernization Act, definitive controls, such as pasteurization, will become the standard across all sectors of the treenut industry and the food industry in general. The California Almond industry has been engaged in pasteurization activities for more than a decade. Since implementation of the pasteurization rule in 2007, more than 170 systems have been validated for use on almonds. This session will provide insights on our learnings and is a must-attend session for those planning to purchase and/or validate equipment. Session highlights include an understanding of common validation pitfalls, a case study on a validation with step-by-step highlights and scientific considerations when conducting challenge testing.

Research Update: Irrigation and Growing Almonds

1:45–3:45 P.M.

Room 310–311

For more than 40 years, the Almond Board of California's research programs have advanced yields, quality and environmental stewardship, contributing to the growth and success of the industry. Almond Board-funded researchers have helped to identify areas of opportunity and success through all parts of the growing lifecycle. Be sure to attend these six-minute updates by researchers, offering insight into ongoing horticultural and irrigation research projects. Researchers will also be available at poster sessions in Hall A+B at the times noted on page 26, giving conference attendees a chance to ask follow-up questions.

Research Topics and Speakers:

- Mobile Platform Measuring Canopy Light and Water Stress, Bruce Lampinen, UC Davis
- Precision Ag Research: Leaf Monitor for Water Status, Shrini Upadhyaya, UC Davis
- Sap Flow Sensors in Almond, Matthew Gilbert, UC Davis
- Winter Water Management in Almond, Ken Shackel, UC Davis
- Whole Tree Response to Water Stress, Ken Shackel, UC Davis
- Almond Water Production Function, Ken Shackel, UC Davis
- Impact of Drought Stress on Roots, Astrid Volder, UC Davis
- Mycorrhizal Fungi and Roots During Drought Stress in Almond, Amélie Gaudin, UC Davis
- Remote Sensing for Tree Water Stress Using Aerial Imagery, Blake Sanden, UCCE-Kern County
- Sodium, Chloride and Boron Accumulation in Almonds, Blake Sanden, UCCE-Kern County
- Physiology of Salinity Stress in Almond, Patrick Brown, UC Davis
- Tools to Assess Salinity Tolerance, Georgia Drakakaki, UC Davis
- Nutrient Availability and Food Safety of Organic Matter Amendments, Daniel Schellenberg, UC Davis
- N Management for Nitrate Minimization, David Smart, UC Davis
- California Almond Water Footprint, Fraser Shilling, UC Davis
- Almond Variety Development, Tom Gradziel, UC Davis
- Rootstock Germplasm, Tom Gradziel, UC Davis
- Rootstock Evaluation, Roger Duncan, UCCE-Stanislaus County
- Tree Spacing, Pruning and Rootstocks, Roger Duncan, UCCE-Stanislaus County
- Mechanical Pruning and Young Tree Training, Roger Duncan, UCCE-Stanislaus County

Grants for Growers

3:00–4:00 P.M.

Room 314

Moderator: Jeff Dlott (SureHarvest)
Speaker: TBD (NRCS), Grower (TBD)

An area of focus for the Almond Board is increasing grower awareness and access to grants supporting water-use efficiency improvements. This panel will discuss state and federal programs that include grant funding that growers can take advantage of to help with the costs of implementing new orchard practices. The session will include growers who have received funding in the past, explaining their experiences with some of these programs.

Groundwater Recharge: A Role for Almonds?

3:00–3:45 P.M.

Room 307

Speaker: Helen Dahlke (UC Davis), Daniel Mountjoy (Sustainable Conservation), Don Cameron (Terranova Ranch)

An important dry-year reserve for California agriculture and beyond, groundwater has been vital in helping the state get through another year of drought. However, like a bank account, the water that is withdrawn by pumping must be balanced with deposits of both natural and managed recharge. Building on innovative research and in-field grower trials, attendees will learn about how this practice, important to sustainable management of groundwater, has the potential to be implemented on California Almond orchards.

The Changing Landscape of Social Media

3:45–4:15 P.M.

Room 306

Moderator: Mike Wade (California Farm Water Coalition)

The electronic age and "big data" has created an entirely new landscape for communications. The days of relying on a press release and the local news outlet are as dated as tailfins on the automobile. This workshop provides an overview of the changing landscape in communications, social media, advocacy and consumer influence. As social media evolves, it provides more and more opportunities and responsibilities for the agricultural industry to tell its story. If you think Facebook is the place to connect with the public and tell your farm-based story, you have already been left behind. Learn the newer, quicker and easier ways to reach consumers and build support for agriculture.

About the California Almond Sustainability Program

4:20–4:40 P.M.

Almond Stage, Hall A+B

Attend this presentation on the trade show floor to learn how to take part in the California Almond Sustainability Program and why participation benefits both you and the California Almond industry as a whole.

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THE FUTURE OF NET METERING

An update on NEM program changes & other changing incentives.

Join JKB Energy for a discussion on The coming NEM 2.0 transition, 2017 ITC reduction, And ag-related solar industry updates.

*Located on The Almond Stage
Wednesday, Dec. 9
1:15 - 1:45 P.M.*

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AGENDA: DAY 3

THURSDAY, DECEMBER 10

- | | |
|--|---|
| 7:30–8:30 A.M. Continental Breakfast Hall A+B | 11:10–11:30 A.M. About the California Almond Sustainability Program Almond Stage, Hall A+B |
| 7:30–8:30 A.M. Dedicated Trade Show Time Hall A+B | 11:30–12:00 P.M. What's Up with Nickels Soil Lab Research Room 307 |
| 8:30–9:00 A.M. Almond Leadership Special Project Presentation Almond Stage, Hall A+B | 12:00–1:20 P.M. Luncheon: <i>Sponsored by Farm Credit Alliance</i> Hall C |
| 9:00–10:00 A.M. Crunch On: Snacking & Sustainability in North America Room 314 | 2:00–3:00 P.M. Research Poster Session Hall A+B |
| 9:00–10:30 A.M. Soil Quality: What's Relevant to Growing Almonds? Room 307 | 3:00–5:00 P.M. Research Update: Pest Management Room 310–311 |
| 9:00–10:30 A.M. Postharvest Pest Management Room 306 | 3:00–4:15 P.M. Almonds and Carbon Sequestration: What It Means for the Future Room 307 |
| 9:00–12:00 P.M. Insect Pest Management Workshop Room 310–311 | 3:00–3:45 P.M. Live Life Beautifully: Almond Board's Marketing Evolution in South Korea Room 314 |
| 9:00–12:00 P.M. Western United States Agricultural Trade Association European Buying Mission <i>*Separate pre-registration required</i> | 3:00–4:30 P.M. FMSA is Here... Let's Roll Room 306 |
| 10:15–11:45 A.M. Taste the Sunshine: Bringing the Benefits of California Almonds to Chinese Consumers Room 314 | 4:00–5:00 P.M. Export Shipments: What's Going Bump in the Night? Room 314 |
| 10:30–12:00 P.M. Certifying Orchard Best Management Practices: How, When and Why? Room 306 | 4:20–4:50 P.M. Canker Diseases of Almond Room 307 |
| 10:45–11:30 A.M. Soil Pest Management: The Latest in Regs & Research Room 307 | 6:00–10:00 P.M. Gala Dinner + Entertainment Hall C |

SUGGESTED CONFERENCE EXPERIENCES:

Select your audience and follow your specific color to identify symposiums and events to maximize your conference experience.



Dedicated Trade Show Time is from 7:30–8:30 A.M. in Hall A+B.



DAY 3 SYMPOSIUM DESCRIPTIONS

THURSDAY, DECEMBER 10

Registration Hours:
7:00 A.M.–4:00 P.M.

Crunch On: Snacking and Sustainability in North America

9:00–10:00 A.M.
Room 314
Moderator: Stacey Humble (ABC)
Speakers: Molly Spence (ABC), Joanna Clifton (Innova Market Insights), Kate Thomson (Sterling-Rice Group)

Overview of relevant consumer trends we're seeing in North America as they relate to almonds, focused on snacking and sustainability. This portion will focus on external things we're seeing, like consumer and trade media articles on snacking trends and nutrition/sustainability—what's been in the media this year. This will include references to recent third-party consumer research, the Dietary Guidelines discussion as it relates to sustainability, widespread adaptation of sustainable practices among food companies, and other public discussions this past year of snacking trends and nutrition/sustainability trends.

Soil Quality: What's Relevant to Growing Almonds?

9:00–10:30 A.M.
Room 307
Speakers: Karen Lowell (USDA-NRCS), Roger Duncan (UCCE-Stanislus County), Brent Holtz (UCCE-San Joaquin County)



2015 was declared "The International Year of Soils" by the Food and Agriculture Organization of the United Nations to emphasize the key role a healthy soil plays in good farming. Attend this symposium to discover factors that encourage managing soils for the long term. Specific to almonds, this session will discuss ongoing research about various types of ongoing organic matter and its effectiveness in permanent crop systems.

Postharvest Pest Management

9:00–10:30 A.M.
Room 306
Moderator: Tim Birmingham (ABC)
Speakers: Ed Hosoda (Cardinal Professional Products), George Opit (Oklahoma State University), Randy Segawa (DPR)

Pest control during storage is critical to prevent product loss and grade deterioration. Poor fumigation practices may compromise effectiveness of storage pest control protocol. A recent study has found that a percentage of insect populations collected from almond storage facilities showed an elevated resistance to phosphine. The session will cover the latest research findings on phosphine resistance, residue concerns, resistance mitigation strategies, regulatory updates on storage pest control pesticides and best management practices for postharvest pest control.

Western United States Agricultural Trade Association European Buying Mission

9:00–12:00 P.M.

Buyer Mission sponsored by Western United States Agricultural Trade Association. Buying mission will focus on sourcing dried fruit and nuts. Separate registration with WUSATA required to participate in one-on-one meetings. (www.wusata.org)

Insect Pest Management Workshop

9:00–12:00 P.M.
Room 310-311
David Haviland (UCCE Entomologist), Brad Higbee (Director, Entomology Research, Wonderful Orchards), Kris Tollerup (UCCE IPM Advisor), Emily Symmes (UCCE IPM Advisor), Andrea Joyce (UC Merced)

Presented by a host of experts, this comprehensive insect pest management workshop will discuss evolving management tactics and materials, including mating disruption, shifting pest spectrums and changes in pest resistance/tolerance, and regulatory issues. It will also include a refresher course in Insecticides 101—basic modes of actions, life stages affected and best application timing by chemistry. Growers and PCAs will learn best practices for having effective communication and conversations between pest management stakeholders, and how to protect pollinators in pest control decisions using the Almond Board's Honey Bee BMPs. Lastly, there will be an update on chlorpyrifos regulations and best practices.



Taste the Sunshine: Bringing the Benefits of California Almonds to Chinese Consumers

10:15–11:45 A.M.
Room 314
Moderator: Stacey Humble (ABC)
Speakers: Michael Riedel (Foreign Agricultural Service), Margaret Wong (California Center), Becky Sereno (ABC)

China, taken as a whole, can be quite daunting to do business in. During this session, Almond Board brings in experts to help pull apart some of the more complex issues in understanding government policies, new commerce opportunities and marketing to the consumer.

Certifying Orchard Best Management Practices: How, When and Why?

10:30–12:00 P.M.
Room 306
Moderator: Tim Birmingham (ABC)

The farming landscape continues to become more complex with new demands placed on growers related to food safety, water use, environmental concerns and sustainability issues. Growers now, and increasingly in the future, will be asked to provide proof that they are using best practices to ensure that the product they produce is safe and grown with sustainable practices. During this session, almond growers will hear about certification and audit programs used by other agriculture groups. This session will examine certification and auditing programs currently used in ag to verify compliance with Good Agricultural Practices. In addition, this session will provide a case study on certification programs to verify implementation of sustainable practices.

Soil Pest Management: The Latest in Regs & Research

10:45–11:30 A.M.
Room 307
Speakers: Randy Segawa (DPR), Suduan Gao (USDA-ARS, Parlier, CA), Greg Browne (USDA-ARS, Davis, CA)

Given the roughly 25-year productive lifespan of almond trees, it is important that California Almond orchards get off to a good start. That good start includes minimizing soil pests that can slow down or even kill young trees. However, the key soil pest management tools—soil fumigants—face increasing regulatory limitations. Thus, ABC has funded research on both alternatives and how to minimize the negative impacts of fumigants. Attend this session to learn where soil pest management is headed.

About the California Almond Sustainability Program

11:10–11:30 A.M.
Almond Stage, Hall A+B

Attend this presentation on the trade show floor to learn how to take part in the California Almond Sustainability Program and why participation benefits both you and the California Almond industry as a whole.

What's Up with Nickels Soil Lab Research

11:30–12:00 P.M.
Room 307
Speakers: Franz Niederholzer (UCCE-Sutter, Yuba, Colusa Counties)

The Nickels Soil Lab, a privately owned, 200-acre farm located in Arbuckle, California, was established and is maintained for research and



receives support from local industry, Almond Board of California and the University of California. Serving as farm manager and research coordinator for the lab, UCCE Farm Advisor Franz Niederholzer will review the current almond projects hosted at Nickels. They include research on rootstocks, pruning, pollinizers and self-compatible varieties, berms, organic production, fall nitrogen and subsoil pH.

FARM CREDIT

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Luncheon: Perspective on California Ag in Sustainability

Sponsored by Farm Credit Alliance

12:00–1:20 P.M.
Hall C
Moderator: Richard Waycott (ABC)
Speaker: Tom Vilsack (U.S. Secretary of Agriculture, invited)

The keynote speakers at today's lunch will bring together the nexus of U.S. retailers and consumer product food manufacturers from the perspective of what is and will be expected of California agriculture by our customer base and by our consumers. How do our customers define sustainable agriculture in California and for the almond industry in particular? What do consumers in their 20s and 30s believe are prerequisite product attributes that must be present in order to gain their support and purchasing dollar? From a product development outlook, where do retailers and food manufacturers view the almond situated in the future as an ingredient and nutritious snack alternative? Answers to these questions will be addressed by our luncheon speaker panel with an opportunity for participation from the audience.

Research Update: Pest Management

3:00–5:00 P.M.
Room 310-311

For more than 40 years, the Almond Board of California's research programs have advanced yields, quality and environmental stewardship, contributing to the growth and success of the industry. Almond Board-funded researchers have helped to identify areas of opportunity and success through all parts of the growing lifecycle. Be sure to attend these six-minute updates by researchers, offering insight into all ongoing research projects concerning pest management. Researchers will also be available at poster sessions in Hall A+B at the times denoted on page 26, giving conference attendees a chance to ask follow-up questions.

Research Topics and Speakers:

- Weed Management, Brad Hanson, UCCE Weed Specialist
- Almond Disease Management, Jim Adaskaveg, UC Riverside
- Almond Bloom Disease Control Trials, Brent Holtz, UCCE-San Joaquin County
- Replant Disease Strategies, Greg Browne, USDA-ARS, Davis, CA
- Rootstock Resistance to Armillaria Root Disease, Roger Duncan, UCCE-Stanislus County
- Wood Decay Fungi in Almond, Bob Johnson, UC Davis
- Insect and Mite Pest Management, David Haviland, UCCE Entomologist
- Insect and Mite Research, Frank Zalom, UC Davis
- Detoxification of Insecticides by Navel Orangeworm (NOW), Mark Demkovich, University of Illinois
- The Relationship between NOW and the Fungus Aspergillus flavus, Daniel Bush, University of Illinois
- Sampling Methods and Development of Thresholds for NOW, Jay Rosenheim, UC Davis
- Pheromone and Host Plant Volatiles for NOW Monitoring, Ring Cardé, UC Riverside
- Host Plant Volatile Blend to Monitor NOW Populations, John Beck, USDA-ARS, Albany, CA
- Navel Orangeworm Monitoring, Emily Symmes, UCCE IPM Advisor
- NOW Trapping and Leaf-footed Bug Studies, Kris Tollerup, UCCE IPM Advisor
- Leaf-footed Bug Studies, Andrea Joyce, UC Merced
- Insect Studies, Dani Lightle, UCCE-Glenn County





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FSMA is Here... Let's Roll

3:00–4:30 P.M.
 Room 306
 Moderator: Tim Birmingham (ABC)

After years of waiting, most of the Food Safety Modernization Act rules are here. In some cases, the compliance period for preventive controls is less than a year away. The compliance period for produce safety is less than two years away in some cases. As such, growers and handlers need to start developing plans and building implementation strategies now. This session will highlight key areas around the preventive controls and produce safety rules that will help growers and handlers ready themselves. Specific information will be shared related to qualified individual requirements, food safety plans, environmental monitoring and water quality testing.

Almonds and Carbon Sequestration: What It Means for the Future

3:00–4:15 P.M.
 Room 307
 Speakers: Alissa Kendall (UC Davis), Biofuels Speakers (TBD), Sara Kroopf (Environmental Defense Fund)

As part of the state's efforts to reduce greenhouse gases, California has a carbon market. Be sure to attend this session to learn about the results of the Life Cycle Assessment study, noting that almonds are carbon neutral or carbon negative. The session will also discuss where the potential for additional carbon offsets may be and what it will take to make agriculture a player in the carbon market arena. Life cycle assessment research funded by Almond Board shows the importance of bioenergy and cogeneration to almonds; however, there are questions about what the future holds for current and new bioenergy systems which this session.

Live Life Beautifully: Almond Board's Marketing Evolution in South Korea

3:00–3:45 P.M.
 Room 314
 Moderator: Stacey Humble (ABC)
 Speakers: Laurel Muir (Sterling-Rice Group), Melissa Mautz (ABC), Matt Lantz (Bryant Christie)

South Korea was the seventh largest export market for California Almonds in crop year 2014–15 with shipments holding steady. This session will explore the first-ever Almond Board marketing strategy for South Korea, which was established in 2014, and the journey we've been on since executing strategically based marketing programs in this market. In addition, we will discuss shifts in market access as the South Korean government moves to a positive MRL list by December 2016 and implications for the almond industry.

DAY 3 GALA DINNER

THURSDAY, DECEMBER 10

For those who have pre-purchased a ticket for Thursday night's Gala Dinner, be sure to stop by the registration area, on the third floor, before 4 p.m. Thursday to reserve your seat.

The tables in blue are not open for pre-reservation. These tables will be open on a first-come, first-served basis when the doors open at 5:30 p.m. on Thursday



Sponsored by M. Parise Associates

Export Shipments: What's Going Bump in the Night?

4:00–5:00 P.M.
 Room 314
 Moderator: Beth van Meter (ABC)
 Speakers: TBD

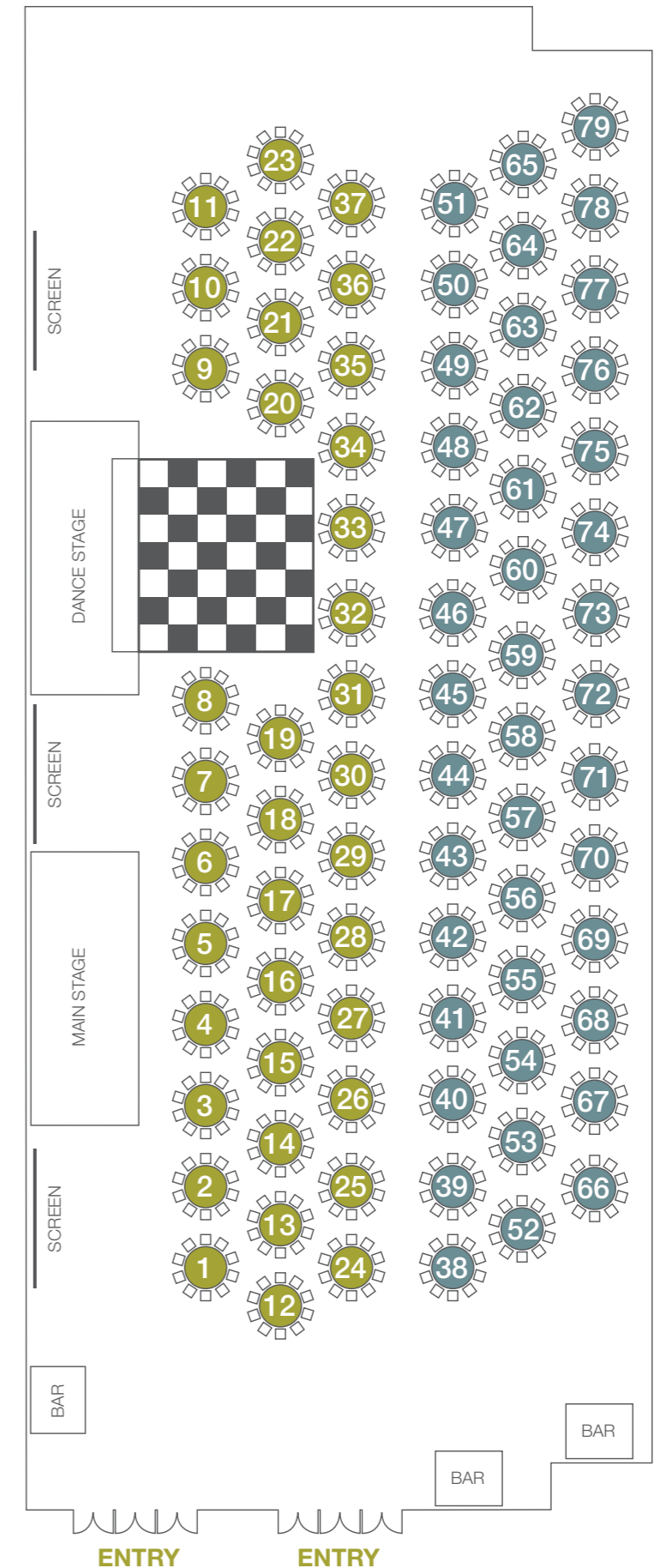
Whether it's a new import requirement in Chile, pesticide issue in Korea or a port rejection in Europe, you can't always predict what's going to impact almond shipments around the world. Come hear an update on the issues that are currently being addressed; this session is also a chance to talk about some of the upcoming regulatory changes that could be a priority in 2016.

Canker Diseases of Almond

4:20–4:50 P.M.
 Room 307
 Speakers: Florent Trouillas (UCCE Plant Pathologist)

This session will present current information on the pathogens causing common trunk and scaffold canker diseases of California Almonds as well as their field biology and spread. Disease management strategies will also be discussed.

HALL C



FFA SILENT AUCTION

Remember when...

You were graduating from high school and felt daunted by the idea of paying for college?

Now is your chance to make a difference in a graduating senior's life. Visit the Almond Conference's silent auction for a chance to win specialty

gifts ranging from toy tractors to sample herbicides to work boots to hunting gear to destination vacations and everything in between!

100% of the proceeds from the silent auction will be donated to the California FFA Association and used for scholarships.

Be sure to visit the auction in Hall A+B both Wednesday and Thursday to bid on unique items.

The auction will close at 3:00 p.m. on both Wednesday and Thursday, so be sure to stop by to see if you won and complete your payment.



Alonso Garcia, Hollister FFA, and Emilio Smith, Las Plumas FFA were two of four FFA members to receive Almond Board scholarships in 2015.



MEET + GREET

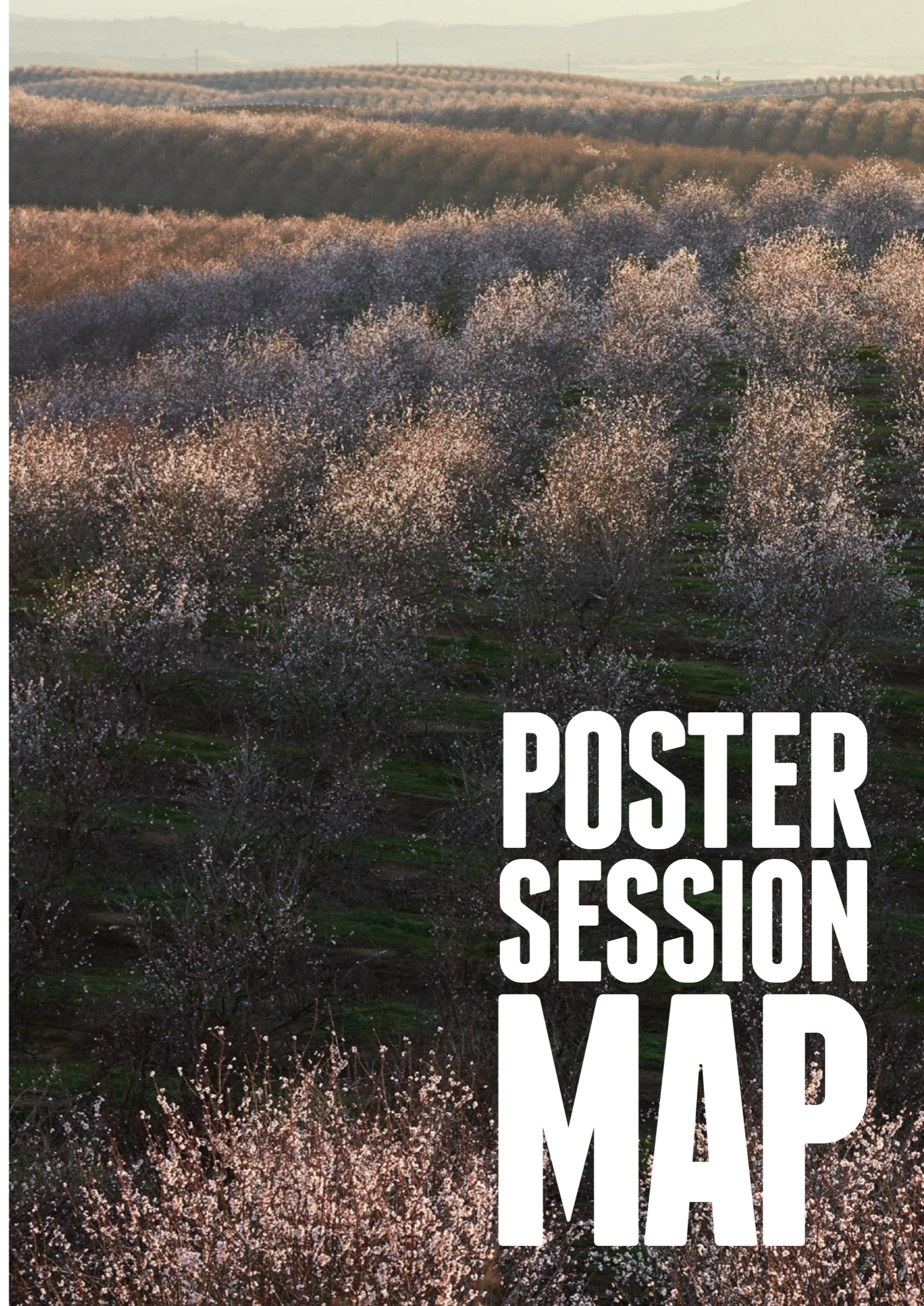
with the 2015 Almond Leadership Class

Take the opportunity to stop by and visit with the 2015 Almond Leadership Program participants. Hear firsthand about their experiences with the year-long program, their efforts to benefit the industry through the completion of a special project, and how the program has helped them professionally and as part

of the California Almond industry. A formal meet-and-greet will take place Thursday, December 10.

Think you have what it takes to be a leader in the California Almond industry? Applications for the 2016 Almond Leadership Program are due Friday, December 11.

Please visit Almonds.com/AlmondLeadershipProgram to learn more about this value-added program and view the application.



POSTER SESSION MAP



POSTER SESSION MAP

Researchers from the following subjects will be available at the poster session area for continued conversations during the specified times.

WEDNESDAY, DECEMBER 9
3:30–5:00 P.M.

Featured topics:

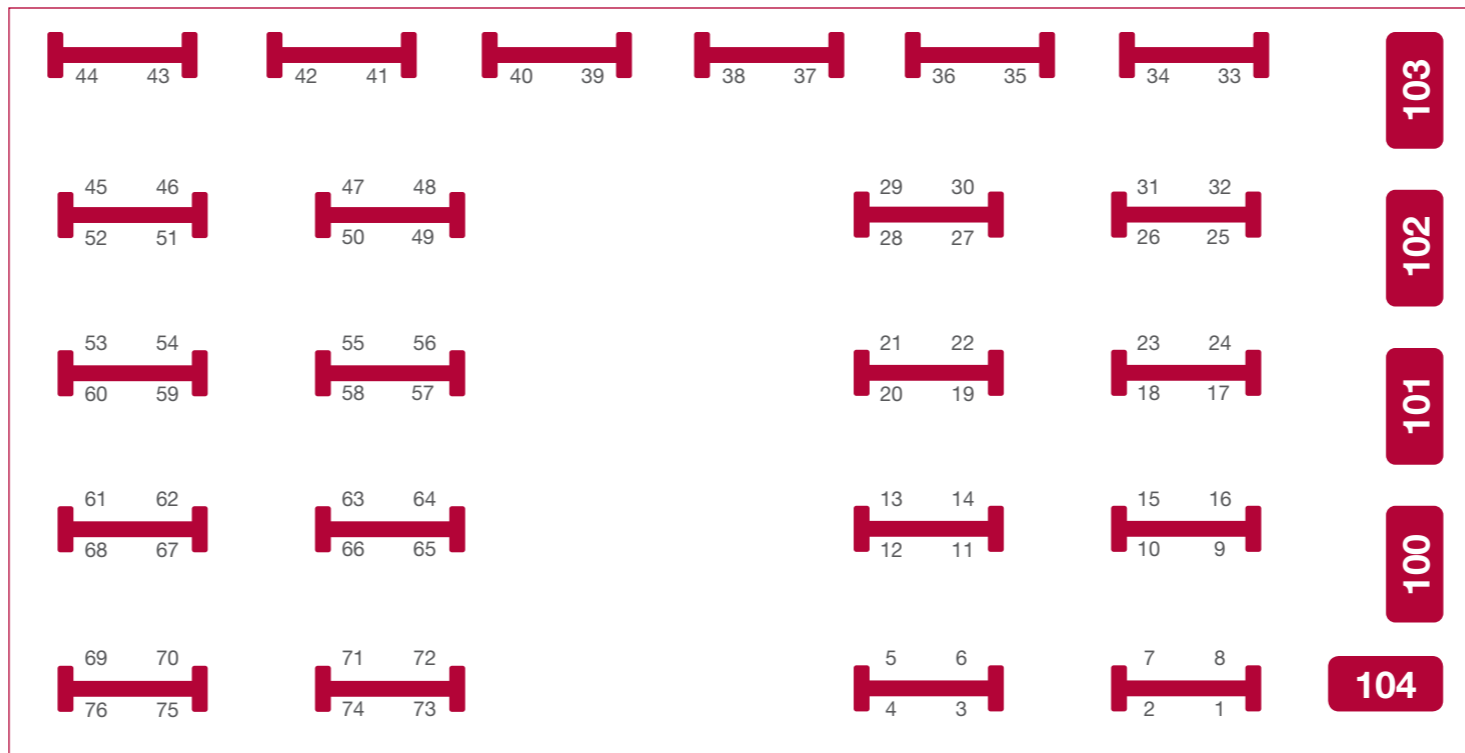
- Horticulture, Replant, Variety and Rootstock Evaluations and Breeding
- Irrigation and Water Management
- Water and Air Quality
- Pollination and Honey Bee Health
- Life Cycle Assessment
- Almond Quality and Food Safety

THURSDAY, DECEMBER 10
2:00–3:00 P.M.

Featured topics:

- Insects and Mites, Disease and Weed Management
- Almond Quality and Food Safety
- Almond Leadership Program

- 15-POLL13-Williams**
Supplemental Forage for Honey and Native Bees
- 15-POLL14-McFrederick/Meikle/Carrol**
Effects of Cover Crop Forage on Honey Bee Health
- 15-POLL15-Sagili**
Assessing the Value of Supplemental Forage on Hive Health
- Brittany Goodrich**
Pollination Contracting Studies
- 15-POLL7-Sheppard/Cobey**
Honey Bee Stock Improvement
- 15-POLL5-Sagili**
Tech Transfer Teams for Commercial Beekeeping
- 14-POLL16-Pettis/Johnson**
Bloom Spray Timing and Bee Exposure
- 15-POLL3-Williams**
Fungicide Spray Effects on Pollination Efficiency
- 15-POLL17-Anderson**
New Chemistries for Varroa Mite
- 15-POLL6-vanEngelsdorp**
Quantifying Varroa Resistance to Miticides
- 15-POLL9-Ahumada**
Varroa Miticide IPM Program
- Adam Nowicki**
Oil Seed Cover Crops as Supplemental Forage
- 15-HORT12-Hanson**
Weed Management
- 15-ENTO6-Haviland**
Insect and Mite Pest Management
- 15-ENTO13-Tollerup**
NOW Trapping and Leaf-footed Bug Studies
- 15-ENTO8-Joyce**
Leaf-footed and Stink Bugs in Almond
- 15-ENTO9-Cardé**
Pheromone and Host Plant Volatiles for NOW Monitoring
- 15-ENTO4-Beck**
Host Plant Volatile Blend to Monitor NOW Populations
- 15-ENTO1-Berenbaum**
Detoxification of Insecticides by Navel Orangeworm (NOW)
- 15-ENTO7-Zalom**
Insect and Mite Research
- 15-ENTO15-Rosenheim**
Sampling for NOW under Mating Disruption
- 15-HORT3-Buchner/Holtz/Lightle/Symmes**
Farm Advisor Projects: Insect Pest Dynamics (Buchner); Insect Studies (Lightle); NOW (Symmes); Bloom Disease Mgmt (Holtz)



- 15-PATH11-Rizzo**
Wood Decay Fungi in Almonds
- 15-PATH12-Trouillas**
Trunk and Scaffold Canker Diseases
- 15-PATH3-Adaskaveg**
Alternaria Leaf Spot Epidemiology and Control
- 15-PATH4-Adaskaveg**
Almond Disease Management
- Opit et al**
Phosphine Resistance
- Linda Harris et al**
Surrogate Application for High Temp Dry Roasting
- Roger Ruan et al**
Shelf Life Raw and Roasted Salted Almonds
- Ron Pegg et al**
Shelf Life Raw and Hot Air Almonds
- Christian Castillo/Alyson Mitchell**
Concealed Damage
- Lily Franklin/Alyson Mitchell**
Rancidity Development
- Sim Batth + Taj Samran, LP***
High Density Planting
- Ricardo Camargo, LP***
Manganese Deficiency in Almonds
- Mike Curry, LP***
Almond Farmer Council (AFC)
- Krista Frelinger, LP***
Online Learning Modules: Almond Diseases
- Michael Marsh, LP***
Effects of Cold Storage on Bee Hive Health
- Rosa Perez + Maria Vasquez, LP***
Consumer Perception on Bee Hive Health

- Brandon Rebiero, LP***
Aerial Imagery Versus Boots in the Field
- Matt Roy, LP***
It's Amazing How California Almonds Get around the World
- Vishv Thakkar, LP***
Comparing U.S. and International Processing Equipment
- Derek Thomas, LP***
Global Food Safety Initiative (GFSI) Certification Schemes
- Scott Tucker, LP***
Telling the Visual Story of the Drought on Almond Trees
- Mike Vasquez, LP***
Potential Almond Consumption of the World
- 15-HORT20-Brown/Grattan**
Physiology of Salinity Stress in Almond
- 15-HORT23-Drakakaki**
Tools to Assess Salinity Tolerance
- 15-HORT10-Gradziel**
Rootstock Germplasm
- 15-HORT16-Aradhya/Kluepfel**
Development of Almond Rootstocks
- Shirin Abd/Carrie Ferstl**
Surrogate Bacterium on Various Types of Almonds
- 15-HORT1-Gradziel**
Variety Development
- 15-AIR9-Doll**
Soil Fumigation and Alternatives
- 15-AIR5-Gao/Doll**
TIF Tarps for Soil Fumigation
- 15-PATH1-Browne**
Replant Disease Strategies

- 15-PATH7-Duncan/Baumgartner**
Armillaria Rootstock Resistance
- 15-HORT2-Lampinen/UCCE**
Variety Evaluation
- Shirin Abd/Carrie Ferstl**
Effects of Coating on Pasteurization
- 15-PREC7-Brown**
Nutrient Availability and Food Safety of Organic Matter Amendments
- 15-HORT13 & 19-Lampinen**
Mobile Platform Measuring Canopy Light and Mechanical Hedging Studies
- 15-HORT5-Duncan**
Tree Spacing, Pruning and Rootstocks
- 15-HORT3-Duncan/Pope/Sanden/Milliron**
Farm Advisor Projects: Pruning Young Trees (Duncan); Mgmt of Young Orchards (Pope); Na, Cl, B Accumulation (Sanden); Farm Advisor Internship (Milliron/Holtz)
- 14-PREC1-DeJong**
Model for Almond Development
- 15-PREC8-Zwieniecki/DeJong**
Carbohydrate Movement in Almond during Winter
- 15-AIR2-Smart**
N2O Emissions from Almond
- 15-PREC6-Smart**
Management for Nitrate Minimization
- 15-HORT21-Gilbert**
Assessment of Sap Flow Sensors
- 15-HORT22-Shackel**
Whole Tree Response to Water Stress

- 15-HORT17-Shackel**
Almond ET/Yield Production Function
- 15-PREC5-Volder**
Impact of Drought Stress on Root Development
- Brad Higbee**
Wonderful Orchards Insect and Mite Pest Management
- 15-PREC9-Shackel/Dahlke**
Winter Water Management in Almond Orchards
- 15-WATER6-Shilling**
California Almond Water Footprint
- 15-HORT24-Upadhyaya**
Precision Ag Research: Leaf Monitor for Water Status
- 15-HORT6-Niederholzer**
Research at Nickels Soil Lab Project
- 15-HORT6-Niederholzer**
Research at Nickels Soil Lab Project
- 13-AIR8-Kendall**
Life Cycle Assessment of GHG Emissions for Almond Processing and Distribution
- 15-STEWCROP3-SureHarvest**
California Almond Sustainability Program
- Project Apis m.**
- California State Beekeepers Association**
- California Department of Pesticide Regulation**
- UC Agriculture and Natural Resources**
- California Farm Water Coalition**

Curious about bees and what it takes to get them ready for almond bloom? This year's Almond Conference will take attendees through the year-long journey from a beekeeper's perspective. Growers will also have a chance to learn more about steps being taken to ensure honey bee health. Be sure to visit the Bee Pavilion on the trade show floor for a visually stimulating experience!




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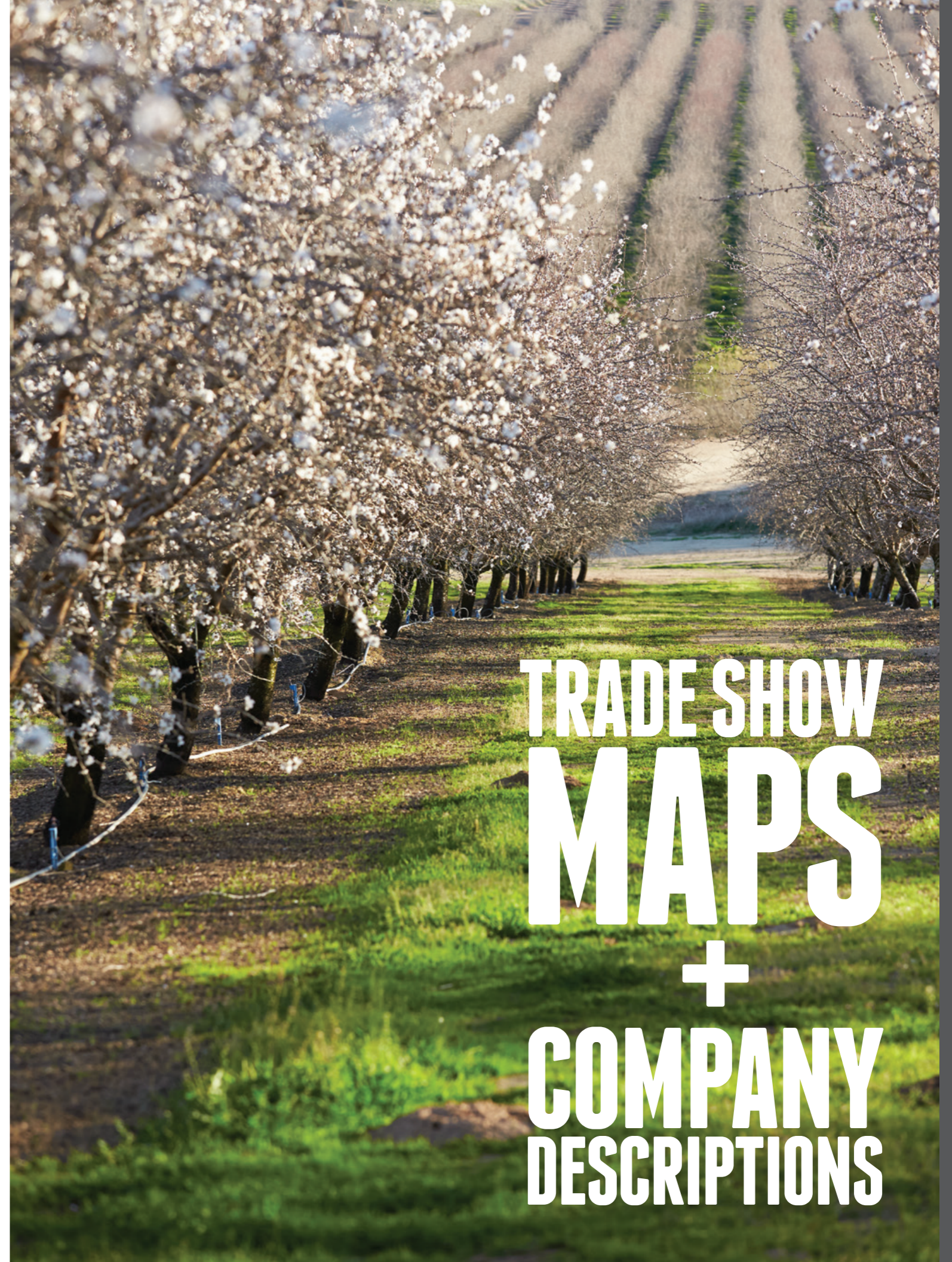
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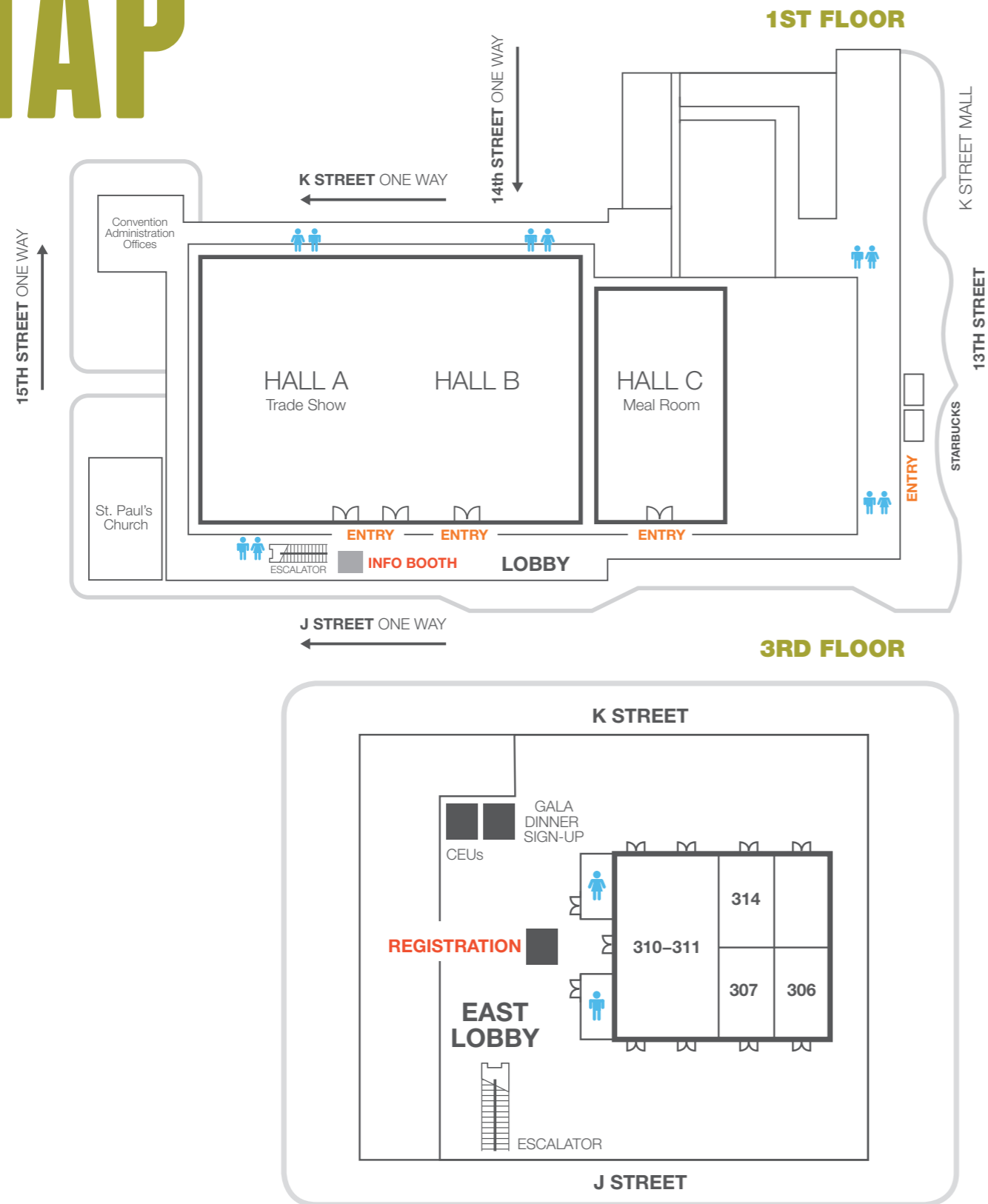


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Leading the California Almond industry through research represents the foundation of the Almond Board's commitment to support the industry's goal of maintaining healthy orchards using environmentally sound practices and providing customers with a safe, wholesome and enjoyable food product. These research efforts, programs and resources have been created to assist growers, handlers and allied industry members in this process. Among these is the California Almond Sustainability Program, which provides growers with a mechanism to document and quantify sustainable almond growing practices. Almond Board staff and chairpersons are available to discuss Board administration, the Almond Leadership Program, global marketing, and health and nutrition research programs at the ABC booth.

ALMOND HULLERS & PROCESSORS ASSOCIATION : BOOTH 405

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The Almond Hullers & Processors Association (AHPA) is a trade association representing the interests of the California Almond industry, including almond growers, hullers/shellers and processors. Established in 1980, AHPA is the almond industry's voice and works relentlessly on issues impacting your business. For more information, visit www.ahpa.net.

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559.799.7229 • P.O. Box 428 • Exeter, CA 93221
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Carl Haney • chaney@boyett.net
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Eric Pflueger • eric.pflueger@bratney.com
916.364.8686 • 9521 Folsom Boulevard, Suite K-L • Sacramento, CA 95827
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Ron Boone • ronb@burchellnursery.com
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CABLEVEY CONVEYORS : BOOTH 709, 711

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641.673.8451 • P.O. Box 148 • Oskaloosa, IA 52577
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CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION :**POSTER SESSION TABLE 101**

Paul Verke • paul.verke@cdpr.ca.gov
916.445.4300 • P.O. Box 4015 • Sacramento, CA 95812
Stop by our table for information on worker health and safety, pollinator protection and integrated pest management. CDPR's mission is to protect human health and the environment by regulating pesticide sales and use, and by fostering reduced-risk pest management. Our oversight begins with product evaluation and registration and continues through statewide licensing of pesticide professionals; evaluation of health effects of pesticides through risk assessment and illness surveillance; environmental monitoring of air, water and soil; pesticide residue testing of fresh produce; and encouraging development and adoption of least-toxic pest management practices through incentives and grants.

CALIFORNIA FARM WATER COALITION

POSTER SESSION TABLE 104
Mike Wade • mwade@farmwater.org
916.391.5030 • 6133 Freeport Blvd., 2nd Floor • Sacramento, CA 95822
The California Farm Water Coalition (CFWC) was formed in 1989 in the midst of a six-year drought to increase public awareness of agriculture's efficient use of water and to promote the industry's environmental sensitivity regarding water. CFWC is a non-profit, educational organization that provides fact-based information on farm water issues to the public. Our organization works to help consumers, elected representatives, government officials and the media make the connection between farm water and our food supply.

CALIFORNIA STATE BEEKEEPERS ASSOCIATION

POSTER SESSION TABLE 102
Carlen Jupe • castatebeekeepers@hotmail.com
209.545.5359 • 5307 Jeppson Court • Salida, CA 95368
The California State Beekeepers Association (CSBA) educates the public about the beneficial aspects of honey bees; advance research beneficial to beekeeping practices; provide a forum for cooperation among beekeepers, and to support the economic and political viability of the beekeeping industry. CSBA will be available to provide information and answer questions on how attendees can support bee health and protect bees before, during and after pollination in their orchard management.

CALTEC AG, INC. : BOOTH 402

John Monnich • jmonnich@calteccag.com
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559.846.5326 • P.O. Box 306 • Kerman, CA 93630
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CARDINAL PROFESSIONAL PRODUCTS : BOOTH 811

Cavan Bruederle • cavan@cardinalproproducts.com
209.670.5208 • 57 Matmor Road • Woodland, CA 95776
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CENERGY POWER : BOOTH 717

Nader Yarppezshkan • nader@cenergypower.com
760.603.1933 • 3176 Lionshead Avenue • Carlsbad, CA 92010
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209.777.9760 • 7948 N. Maple Avenue, Suite 105 • Fresno, CA 93720
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Steven Mitchell • smitchell@certified-laboratories.com
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Don Smale • don.smale@cleanfix.org

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Sara Deist • sdeist@thedeerpointgroup.com

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Chuck Denny • chuck@deltatechnology-ca.com

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Kevin Willet • kevinw@dfaofca.com

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DIAMOND K GYPSUM, INC. : BOOTH 301

Kris Allred • kris@diamondkgypsum.com

435.896.8870 • 1720 S. Red Hills Drive • Richfield, UT 84701

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Chris Scott • cjscott@dow.com

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559.333.3182 • 3590 Paydirt Drive • Placerville, CA 95667

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Daniel Britton • dbritton@dynamax.com

559.994.4840 • Water, Energy & Technology Center • Fresno, CA 93740
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Glenn Olsen • glenno@fglinc.com

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John Bellinger • info@fsns.com

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Gowan USA is a family-owned registrant and marketer of crop protection products and champions technology for agriculture and horticulture through innovative product development, public advocacy and quality production. Bringing science, regulatory acumen, innovative investment and focused execution to the forgotten problems of agriculture has earned Gowan the reputation of being the "Go-To Company."

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Since 2002, Hortau has been an industry leader in precision irrigation management systems for almonds, developing one of the first web-based systems on the market and helping growers take the guesswork out of irrigation management. Using soil tension to determine the precise amount of water a tree needs, Hortau's proprietary system has helped hundreds of almond growers improve tree health, boost yields and cut irrigation costs. Based in San Luis Obispo, California, Hortau has support staff throughout California and manufacturers and services all of its products. Learn more at hortau.com.

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Jack Kraemer • jkraemer@key.net
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559.479.2138 • 24730 Avenue 13 • Madera, CA 93637
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415.884.2770, Ext. 3 • 37 Commercial Boulevard • Novato, CA 94945
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91386 Coburg Industrial Way, Building 17 • Coburg, OR 97408
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RECOLOGY : BOOTH 802

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Recology Organics is a direct source of compost and landscape products for agricultural operations and landscape supply yards in California and Oregon. Our mission is to eliminate waste by making the best and highest use of our planet's valuable resources. We also provide consultation services to meet customers' dynamic cultivating needs. Browse our website and contact Recology Organics to obtain more information about the products and consulting services we provide. www.recology.com

REDOX CHEMICALS, LLC : BOOTH 616

Richard Evans • richard@redoxchem.com
208.678.2610 • P.O. Box 129 • Burley, ID 83318
Redox is a specialty nutrient company that focuses on innovative plant growth technology. Redox incorporates 11 distinct types of soluble carbon chemistries with plant nutrients to dramatically improve plant uptake, input efficiency and results.

REVTECH : BOOTH 407

Sebastien Muller • sebastien.muller@revtech.fr
33.4.75.60.1633 • PA Champgrand - 50 allée des abricotiers
Loril Sur Drome, France 26270
In the last few months, Revtech has supplied six nut pasteurization units worldwide, all of them validated following the Almond Board of California protocol or an equivalent. The biggest one was validated for a 5-log reduction of Salmonella on almonds with a flowrate of 15,000 lbs/h. Revtech technology combines gentle vibrational transport with a direct heating followed by a short minimal exposure to steam, so that almonds are continuously pasteurized with no damage to their appearance or taste. The same unit can also be used for roasting using adapted operating parameters.

RF BIOCIDICS : BOOTH 517, 519

Megan Thompson • megan.thompson@rfbiocidics.com
916.283.0520 • 1417 N. Market Boulevard, Suite 3 • Sacramento, CA 95834
RF Biocidics designs and sells different lines of equipment specifically designed for the elimination of food-related pathogens, pests and fungi. The engineered systems offer quick and convenient treatment with no change to sensory, nutritional or functional values. The APEX and SENTINEL product lines focus on achieving consistent reliable pathogen control, high throughput efficiency and cost-effective performance without the use of chemicals or the limitations of external steam treatment or conductive heating. These machines (depending on the commodity) may also be used for drying and/or other applications.

RIPON MANUFACTURING COMPANY, INC. : BOOTH 224 - SPONSOR

Andre Navarro • Anavarro@ripnmgco.com
209.599.2148 • 652 S. Stockton avenue • Ripon, CA 95366
Ripon Manufacturing Company specializes in the design, manufacturing and installation of almond processing equipment. Since 1963, RMC has provided optimal processing solutions for tree nut growers and investors of California and around the world. As the state of the almond industry continues, it is our responsibility to keep innovating and elevate to higher expectations. With more than 50 years in business, our customers can be sure that they will receive a product that RMC will proudly stand behind and have proven to yield high-quality results.

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Carolyna Castaneda • carolyna.castaneda@rivulis.com
858.621.6483 • 7545 Carroll Road • San Diego, CA 92121
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ROSCOE MOSS COMPANY : BOOTH 806

Charlie Hoherd • choherd@roscoemoss.com
323.263.4111 • 4360 Worth Street • Los Angeles, CA 90063
Roscoe Moss Company manufactures water-well casing and screen for well owners and drilling contractors. Founded in 1926, all of our water-well products continue to be proudly made in California at our Los Angeles and McFarland facilities.

ROTAM NORTH AMERICA, INC. : BOOTH 411

Robbie Malm • rmalm@rotam.com • 866.927.6826
4900 Koger Boulevard, Suite 140 • Greensboro, NC 27407
Rotam North America is a recognized world-class manufacturer in the crop protection market with a product portfolio consisting of insecticides, herbicides and fungicides. Rotam quickly and effectively responds to market needs, providing solutions aimed at satisfying the grower. The company has fully integrated research and development operations, global product registration, manufacturing, marketing and technical support all delivered on a global platform.

SAN JOAQUIN SYSTEMS : BOOTH 1021

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San Joaquin Systems represents manufacturer Triple/S Dynamics, home of the Texas Shaker Screeners, Slipstick Differential Motion Conveyors, Detwiggers and Sand/Stick Separators. We have been instrumental in implementing the following Triple/S Dynamics concepts into the almond industry: (1) slipstick conveyors for receiving almonds in precleaners, (2) vibrating screen conveyors for hull/meat scalping, (3) screening of fine shell fragments to reduce fiber content of hulls, (4) development and implementation of sand/stick separator to replace stick reels in almond pre-cleaners and (5) designed and implemented meat recovery system from hulls.

SATAKE : BOOTH 719 COPPER SPONSOR

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209.551.3203 • 1055 Reno Avenue • Modesto, CA 95351
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559.734.1700 • 5020 W. Mineral King • Visalia, CA 93291
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Sheryl Wheeler • swheeler@selectharvestusa.com
209.668.2471 • 14827 W. Harding Road • Turlock, CA 95380
Select Harvest USA is a California Almond grower, processor and shipper of more than 55 million pounds annually. Providing our clientele with California's largest selection of almond kernels and inshell. We have more than 20 years' experience supplying worldwide markets with all varieties, grades and specifications of California Almonds.

SHUR FARMS FROST PROTECTION : BOOTH 414

Steve Hammersmith • steve@shurfarms.com
909.825.2035 • 1890 N. 8th Street • Colton, CA 92324
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559.309.4301 • 1 Chemical Plant Road • Riceboro, GA 31323
SNF is the leading provider of polymers for irrigation efficiency in turf, crop & ornamental applications. Our FLOBOND® line of polyacrylamide (PAM) products provides a safe and efficient solution to water quality and quantity issues facing the turf, crop and ornamental industry. PAM increases soil porosity, which promotes uniform percolation and useable volume of the applied water. However, when PAM is used on sandy soils, it decreases percolation and allows plants to retain and utilize more of the applied water before it passes through the root zone. In studies and actual turf applications, FLOBOND® has demonstrated the ability to increase water efficiency up to 20%.

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559.651.2772 • P.O. Box 2609 • Visalia, CA 93279
Soil Basics Corporation began its mission to provide growers with technologically advanced solutions for improved plant health in 1995. Since then we have been able to be involved with some of the most exciting products in the agricultural chemical/nutrient industry. Whether a grower would benefit from a specific nutrient program or a fertilizer injection machine, our common goal has always been bringing products to growers that assist them in achieving the type of production that enables success in today's demanding agricultural markets.

SOLID STAINLESS STAPLES : SPONSOR

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Molly Brown • molly.brown@sonoco.com
843.339.6088 • 1 N. Second Street • Hartsville, SC 29550
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Jason Hickman • jason@srانfamilyorchards.com
559.365.8492 • 1750 N. Siskiyou Avenue • Kerman, CA 93630
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STAR NUT : BOOTH 933

Vedad Muhic • vedad@starnutca.com
209.251.2477 • 6677 Hardaway Road • Stockton, CA 95215
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559.393.7828 • 1949 E. Manning Avenue • Reedley, CA 93654
Thiele Technologies and SYMACH proudly offer the latest technology in weighing, bagging, sealing and palletizing equipment to the almond industry. Thiele boasts a wide range of equipment from simple scales and sealers, to automated bagging systems featuring bag-top registration, multiple integral bag-sealing capabilities, effortless recipe changes, built-in diagnostics and more. Our SYMACH palletizers blend traditional and robotic palletizing to create a consistent, reliable and flexible palletizing system. Learn more at our Web site: www.thieletech.com.

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Timmerman Starlite Trucking, established in 1979, is a full-service trucking company that services the western 11 states. Primarily a bulk commodities hauler, Starlite Trucking has more than 15 years of experience managing almond and walnut harvesting hauls throughout the Central Valley. Starlite Trucking also serves as a drayage company for both import and export of goods.

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916.388.3900 • 875 Embarcadero Drive • West Sacramento, CA 95605
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TORO MICRO IRRIGATION : BOOTH 324

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214.828.8656 • 1031 South Haskell Avenue • Dallas, TX 75223
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UNIVERSITY OF CALIFORNIA, DIVISION OF AGRICULTURE AND NATURAL RESOURCES : POSTER SESSION TABLE 100

Jon Mercy • jimercy@ucanr.edu
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UC ANR is the bridge between local issues and the power of UC research. Our advisors, specialists and faculty bring practical, science-based answers to California growers; we work hand in hand with industry to enhance agricultural markets, help the balance of trade, address environmental concerns, protect plant health and provide growers with scientifically tested production techniques. No crop better illustrates how UC-led innovations contribute to a success story than almonds. California Almond growers have increased food safety and nearly doubled yields by adopting practices based in UC research in irrigation, nutrient delivery, tree spacing, and canopy management. www.anrcatalog.ucanr.edu

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Scott Frankenfield • s.frankenfield@verbruggen.nl
509.531.7350 • 1430 E. Hillsboro Street, B-101 • Pasco, WA 99301
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West-Link Corporation is in business of selling food processing & packaging equipment.

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Western Farm Press is the California Almond industry's number one source for production information in print and online. Western Farm Press prints in-depth articles on almond growers and reports on the latest almond production and marketing information. Western Farm Press Daily provides daily electronic information on the latest news of California agriculture. Tree Nut Farm Press is a twice monthly e-newsletter that highlights producer practices and the current almond crop information. 1.5 hours of DPR-accredited continuing education is available free online at www.westernfarmpress.com in an almond disease management course developed by Western Farm Press and Almond Board of California.

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Kim Zilverberg • kzilverberg@meistermedia.com
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209.649.1021 • 830 S. Tegner Road • Turlock, CA 95380
Wilkey Industries is a recognized leader in solving complex agricultural and industrial fabrication and service problems through the development and enhancement of processing equipment and our client, vendor and employee relationships. Wilkey specializes in dust control and product separation by means of targeted system aspiration. Our customers enjoy our attention to food safety issues and other details, personal relationships and an exceptional value.

WISECONN ENGINEERING : BOOTH 331 - SPONSOR

Guillermo Valenzuela • gvalenzuela@wiseconn.com
760.216.9352 • 415 Shaw Avenue • Clovis, CA 93612
WiseConn is aware of the reality of declining resources and we are developing a technology to measure and control water and other fluids in such diverse areas such as agriculture, mining and hydrology. The WiseConn platform consists of a wireless hardware installed on the field and software that is accessible through the Internet, allowing users to view their process and make informed decisions. WiseConn is promoting DropControl product, a web solution that allows you to follow the weather and soil moisture conditions, and control your irrigation/fertigation system efficiently.

WOODWARD DRILLING COMPANY : BOOTH 225

Wayne Woodward • wayne@woodwarddrilling.com
707.374.4300 • 550 River Road • Rio Vista, CA 94571
Woodward Drilling has been in business since 1990. Water wells are our business. We also have very experienced pump technicians for your repairs, new pump installs, submersibles and turbines. Our crews work 24 hours to ensure your well is completed when needed.

YARA NORTH AMERICA, INC. : BOOTH 1023

Jon Collison • jon.collison@yara.com
661.340.8495 • 10046 Seneca Falls Avenue • Bakersfield, CA 93312
Yara is the largest supplier of mineral fertilizer and offers the almond grower a full range of fertilizers sustaining high yield and high quality. Liquid YaraLiva, CN-9 and CAN-17 provide nitrogen and calcium for strong trees yielding high-quality almonds. YaraMila NPKs are ideal to bring new plantings rapidly to full production, and our Potassium Sulfate replenishes the high K-demand of almonds. A complete line of YaraVita micronutrients for foliar and soil application rounds out Yara's portfolio. Fertigation, foliar or dry application, Yara has all the fertilizer and expertise required for first-rate almond production. Knowledge Grows.

YOSEMITE FARM CREDIT : SPONSOR

Melba Miyamoto • mem@yosemitfarmcredit.com
209.667.2366 • P.O. Box 3278 • Turlock, CA 95380
Yosemite Farm Credit is the farmer's choice for agriculture financing. Our roots date back 100 years to 1916! Yosemite Farm Credit is a local member-owned cooperative dedicated to serving the agricultural community with the best financial products, solutions and customer service in the industry. Yosemite Farm Credit offers an array of financing and banking solutions to meet your agriculture-enterprise needs. We invite you to come by or call one of our six offices to learn how Yosemite Farm Credit can help you prosper! Modesto: 209.527.1900; Turlock: 209.668.3522; Patterson: 209.892.6136; Los Banos: 209.827.3885; Oakdale: 209.847.7021; www.yosemitfarmcredit.com.

SAVE THE DATE

DECEMBER 6–8, 2016





Exhibit Hall Hours:

Tuesday, December 8 • 5:30 p.m.–7:00 p.m.
Wednesday, December 9 • 9:30 a.m.–5:30 p.m.
Thursday, December 10 • 7:30 a.m.–3:00 p.m.

Almond Board of California

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THE ALMOND
CONFERENCE
WELCOME

DECEMBER 8
DAY 1 AGENDA

DECEMBER 9
DAY 2 AGENDA

DECEMBER 10
DAY 3 AGENDA

POSTER
SESSION MAP

TRADE SHOW
MAPS + COMPANY
DESCRIPTIONS

