

*the Almond*  
**CONFERENCE**  
**2019**  
*&* **PROGRAM**

 **california  
almonds**  
Almond Board of California

**DECEMBER 10-12**  
Cal Expo, Sacramento



Use #AlmondConf to share  
highlights from TAC!

# the Almond CONFERENCE 2019

## Dear Almond Community Members and Stakeholders,

It is again my distinct pleasure to welcome you to The Almond Conference, now in its 47th year. I hope you enjoy this year's venue at Sacramento's historic Cal Expo, the location of the California State Fair and other events. We look forward to returning to the newly renovated Sacramento Convention Center in 2020.

The 2018/19 crop year was indeed eventful with many solid achievements. From the successful launch of the Almond Orchard 2025 Goals to the development of the Goals Roadmap that will be rolled out at the conference, we are off to a great start on our journey to *make life better by what we grow and how we grow*.

On the food safety front, almonds were exempted from FSMA produce safety requirements, according to FDA enforcement guidance issued in March, and Almond Board of California (ABC) received the GMA Food Safety Award from the International Association of Food Safety Professionals at their conference in July. Two special events—Navigating the Waters and the Navel Orangeworm Summit—prepared growers for two significant challenges facing the industry. It's been a busy and productive year.

Looming largely throughout the year was the ever-evolving global trade environment, which presented challenges on many fronts. However, the industry did an outstanding job of dealing with this situation, shipping a record volume and rounding out the crop year with minimal inventory. At this year's conference, we will reflect on recent events and look forward to what we expect of the 2019/20 crop year and beyond.

In line with the change of venue this year, the agenda has also been reworked a bit. The conference will open first thing on Tuesday morning and will end at noon on Thursday. We will not have a Gala Banquet this year. Instead, we will hold evening receptions Tuesday and Wednesday on the expanded exhibit hall floor, featuring a record number of exhibitors (and a Best of Show exhibit contest!). All educational

sessions will be held in three large climate-controlled tents constructed especially for our event. The State of the Industry address, luncheons on Tuesday and Wednesday, and Thursday's general session will be held in the expansive Building C on the grounds. As we continue to utilize downtown Sacramento's hotels, frequent transportation will be provided between downtown and Cal Expo.

As with every prior year, ABC staff and its collaborators have developed a very comprehensive agenda that touches every aspect of the industry. I recommend that you attend all three days of the conference so that you can avail yourself of as much presentation content and discussion as possible. To make the most of your time, I recommend you bring your family and business colleagues along so that you can split up and attend concurrent sessions, debriefing and sharing what you've learned over a cup of coffee or a glass of wine at the end of the day.

Your chair Holly A. King and I will share our thoughts about the recent past, present and future of California almonds during the State of the Industry presentation on Tuesday at 10:15 a.m. Be sure to attend this session as Holly and I really enjoy the opportunity to share with you the progress that the industry has made since we last met and what we foresee as the industry's major opportunities within our grasp.

I wish you a very enjoyable Almond Conference 2019 and hope that it will exceed your expectations as we continue our endeavor to be the best agricultural industry in the world.



Richard Waycott, President and CEO





# WHAT'S NEW



## Hotel Shuttle Schedule

Shuttle service will be provided by The Almond Conference from the downtown hotels to Cal Expo daily.

- **Downtown Pickup Location:** Hyatt Sacramento Front Drive
- **Cal Expo Pickup and Drop-Off Location:** Blue Gate at Cal Expo

**SHUTTLE SCHEDULE** Runs every 15 minutes during designated times.

### Tuesday, December 10

- 6:45–10:45 a.m. Hyatt Sacramento Front Drive to Cal Expo
- 10:45 a.m.–3:30 p.m. **NO SHUTTLE SERVICE**
- 3:30–6:30 p.m. Cal Expo Blue Gate to Hyatt Sacramento

### Wednesday, December 11

- 6:45–10:45 a.m. Hyatt Sacramento Front Drive to Cal Expo
- 10:45 a.m.–3:30 p.m. **NO SHUTTLE SERVICE**
- 3:30–6:30 p.m. Cal Expo Blue Gate to Hyatt Sacramento

### Thursday, December 12

- 6:45 a.m.–1:30 p.m. Hyatt Sacramento Front Drive to Cal Expo
- 6:45 a.m.–1:30 p.m. Cal Expo Blue Gate to Hyatt Sacramento



## Two Exhibit Halls

The 2019 exhibition is larger than ever, with a second hall to accommodate the growing demand for booth space. Make sure you visit Building D and the Pavilion to see all the 2019 exhibitors.



## Food Truck Village

If you don't have time to attend one of the hosted lunches and are unsure of your plans, we've got you covered. An assortment of SactoMoFo food trucks will be available. The Food Truck Village is located next to Building D and will be open on **Tuesday and Wednesday from 11:00 a.m.–2:30 p.m.** Cash and credit cards are accepted.



## Continental Breakfast

Enjoy a continental breakfast on the exhibit hall floors (Building D and the Pavilion) on **Thursday, December 12. Breakfast will be offered from 7:30–8:30 a.m.**



## Best of Show Booth Competition

Exhibitors were encouraged to create an engaging booth space aligned with the Best of Show State Fair theme. **Judging takes place on Tuesday, December 10 from 11:30 a.m.–3:30 p.m.** The winner will be announced at the Tuesday evening Opening Reception. **Best of Show Booth Competition Participants:**

- Bühler, Inc. #341
- CPM Wolverine Proctor #612
- Live Earth Products, Inc. #712
- MPA Solutions #105
- Nichino America, Inc. #927
- Sentera #1913
- Solid Networks, Inc. #835
- Valley Truck & Tractor-John Deere #1141



# ALMOND STAGE PRESENTATIONS

TUESDAY DEC 10



## Aflatoxin: Prevention is Better Than a Cure

11:40 a.m.–12:00 p.m. | *Brendan O'Donnell, Global Category Director, Nuts, TOMRA Sorting Solutions*

The true cost of contaminated almonds is far reaching; not only is there a potential human cost in terms of health, but the implications of trade issues, shipment delays and rejections can present significant challenges in terms of lost business, waste and consumer confidence. Brendan O'Donnell, Global Category Director – Nuts, at TOMRA Sorting Solutions, explains the value in employing effective in–orchard and post–harvest controls to help minimize toxin levels.



## Serious Innovations in Navel Orangeworm Mating Disruption

12:10–12:30 p.m. | *Dani Casado, Ph.D., Director of Product Development, Suterra, LLC*

Mating disruption is fun to joke about, but decreasing navel orangeworm populations have growers laughing all the way to the bank. Growers are embracing pheromones that sexually confuse male pests because they reduce damage, improve food safety and fight insecticide resistance. Suterra, the global pheromone leader, will announce two major labor–saving innovations for the 2020 growing season and share numbers that show how and why mating disruption works. Growers won't want to miss this session.

WEDNESDAY DEC 11



## Real-Time Electronic Sensor Detection of All Life Stages of the Indianmeal Moth and Navel Orangeworm

9:05–9:25 a.m. | *Nick Smilanch, Sue Evans, Sam Reichert, Frank Tudron*

Electronic real-time insect detection of the indianmeal moth and navel orangeworm is now available! Come and see how Sensor Development Corporation's (SDC) new electronic sensor device is ushering in a new era in pest management that will be a vital data tool in your stored product protection program. SDC's pioneering device detects all life stages—eggs, larvae and adult moths. A limited number of beta test units will be available for purchase in January 2020. Don't miss this opportunity to learn more about the future of pest management.



## Impact Summary: A Decade of Savings for Agriculture

9:30–9:50 a.m. | *Chad Cummings, Director of Sales and Marketing, JKB Energy*

Come learn insights on the value solar has provided to California's ag industry over the previous 10 years and what opportunities lie ahead to mitigate rising energy costs.



## Reduce NOW Damage through Improved Spray Timing

10:00–10:20 a.m. | *Jordan Hazell, Entomologist & Research Manager, Semios*

Hullsplit is the most vulnerable stage of almond development for navel orangeworm control. For optimum damage prevention, accurately timing the application of control materials is critical. Many growers and their PCAs are tasked with the challenge of tracking hullsplit progression, navel orangeworm (NOW) flight development and the logistics of getting spray rigs in the right place at the right time. In this two–season case study, Semios reviews how in–canopy tracking, measurement of navel orangeworm flight development and its relationship to hullsplit timing were used to increase the accuracy of control material applications for reduced NOW damage.



## Latest Innovations for Almond Processing

11:40 a.m.–12:00 p.m. | *Charles Boddy, Global Sales Manager, Borrell USA*

Join us for a presentation summarizing a very brief history of 100 years of almond equipment manufacturing, focusing on the groundbreaking range of new, patented equipment being launched for hulling and shelling, blanching, roasting and value added.



All Almond Stage presentations are located in Building D.

WEDNESDAY DEC 11 CONTINUED



**Providing Support to Growers through Fumigation and Trial Research to Help Improve Nematode Control**

12:10–12:30 p.m. | *Kristi Sanchez, Nematologist/Senior Researcher, TriCal, Inc., TriCal Diagnostics*

- Introducing TCD services, a branch of TriCal expanding our services to growers
- Overview of key plant parasitic nematodes that cause harm to almonds
- Importance of nematode control leading into fumigation as key pretreatment fumigation with Telone and added strip PIC (show data on the value it brings for growers)
- TriCal field trials we have initiated, examining integrated nematode management program for growers (PIC only + contact nematicide and/or Telone + contact nematicide)

THURSDAY DEC 12



**Almond Brown Ale Beer, On the Fritz**

10:40–11:00 a.m.

Join us for the award-winning Almond Leadership Special Project Presentation, selected by the peers and mentors of the program. Hear from two participants who collaborated with Temblor Brewing Company to develop an almond beer.



# CEU OVERVIEW

## AVAILABLE CCA CREDITS

### TUESDAY DECEMBER 10

TIME	SESSION	CREDIT/UNITS
8:00–9:00 a.m.	The ABCs of ABC (Room 1)	1/Professional Development
8:00–9:00 a.m.	How to Deal with Rejection (Room 2)	1/Professional Development
8:00–9:00 a.m.	Journey Toward Off-Ground Harvest (Room 3)	1/Crop Management
9:15–10:00 a.m.	Almond Orchard 2025 Goals: The Roadmap to Success (Room 1)	0.5/Crop Management
9:15–10:00 a.m.	Research Update: Reaching Potential and Sustainable Yields (Room 3)	0.5/Nutrient Management
10:15–11:30 a.m.	State of the Industry (Building C)	1/Professional Development
2:15–3:15 p.m.	AgTech Innovation: Bringing Silicon Valley to the Central Valley Orchard (Room 1)	1/Professional Development
2:15–3:15 p.m.	Research Update: Nutrient Management (Room 3)	1/Nutrient Management
3:30–4:30 p.m.	Almond Production Estimates: Nuts and Bolts of Different Models (Room 1)	1/Professional Development
3:30–4:30 p.m.	Why Does My Handler Want Me to Participate in the California Almond Sustainability Program? (Room 2)	1/Sustainability
3:30–4:30 p.m.	What's New in Pollination (Room 3)	1/Crop Management

### WEDNESDAY DECEMBER 11

TIME	SESSION	CREDIT/UNITS
8:00–9:00 a.m.	New and Expanding Plant Diseases: Hull Rot and Ganoderma (Room 3)	1/Nutrient Management
10:45–11:30 a.m.	Alternatives for Managing Replant Pests and Problematic Weeds (Room 3)	0.5/Integrated Pest Management
2:15–3:15 p.m.	Sterile Insect Control of Navel Orangeworm (Room 1)	1/Integrated Pest Management
2:15–3:15 p.m.	Could Cover Crops or Whole Orchard Recycling Help with Orchard Management? (Room 3)	1/Crop Management
3:30–4:30 p.m.	Incentive Assistance: Help Applying for Grants that Fund On-Farm Practices (Room 1)	1/Professional Development
3:30–4:30 p.m.	Pest Management Considerations in an Ever-Changing Regulatory Environment (Room 3)	1/Integrated Pest Management

### THURSDAY DECEMBER 12

TIME	SESSION	CREDIT/UNITS
9:45–10:30 a.m.	Latest and Greatest Commercial Uses of Woody Almond Biomass (Room 1)	0.5/Professional Development
9:45–10:30 a.m.	SGMA and Recharge: How to Make Lemonade Out of Groundwater Regulation (Room 3)	0.5/Soil and Water Management
11:30 a.m.–12:15 p.m.	More Almond Hulls for California Dairy Cows? (Room 1)	0.5/Professional Development
11:30 a.m.–12:15 p.m.	Advocacy Update: Sacramento and D.C. Legislative Update (Room 2)	0.5/Professional Development
11:30 a.m.–12:15 p.m.	Research Update: How Much and When to Irrigate (Room 3)	0.5/Soil and Water Management





## AVAILABLE DPR CREDITS

### WEDNESDAY DECEMBER 11

TIME	SESSION	CREDIT/UNITS
8:00–9:00 a.m.	New and Expanding Plant Diseases: Hull Rot and Ganoderma (Room 3)	1/Other
10:45–11:30 a.m.	Alternatives for Managing Replant Pests and Problematic Weeds (Room 3)	0.5/Other
2:15–3:15 p.m.	Sterile Insect Control of Navel Orangeworm (Room 1)	1/Other
3:30–4:30 p.m.	Pest Management Considerations in an Ever-Changing Regulatory Environment (Room 3)	0.5/Laws and Regulations 0.5/Other

### CEU INSTRUCTIONS

#### Who needs CEUs?

Growers (Private Applicator Certificate), Pest Control Advisors (PCA), Qualified Applicator License (QAL), Qualified Applicator Certificate (QAC), Certified Crop Advisor (CCA)

#### What types of CEUs are offered at The Almond Conference?

Tuesday: CCA • Wednesday: CCA and DPR • Thursday: CCA

#### Sign-in sheets

Sign-in sheets are in the back of each session room.

#### CCA CEUs

You are responsible for signing in and out of the session you are attending. No verification forms will be provided.

#### DPR CEUs

Pick up DPR scantrons at the CEU kiosk. Sign in at the beginning and sign out at the end of each session you attend. **It is your responsibility to complete and turn in your scantron at the end of the day to the CEU kiosk.** If you need to leave a session early, you must sign out at the back of the room to adjust your hours. If you do not sign in or out at each of the sessions you attend, you will not get credit. Once you turn in your scantron at the CEU kiosk, you will receive a verification form.

#### Special instructions for Wednesday

Those obtaining DPR credits will need to pick up their scantrons in the morning at the CEU kiosk before the first session of the day. There will be **three different scantrons, one for each session offering DPR credits.** You will need to return your scantrons at the end of the day to the booth or back of the classroom if you are done attending sessions. This is in addition to signing in and out of each session you attend.

#### CEU Kiosk Hours

**TUESDAY:** 7:30–10:00 a.m. and 3:30–5:00 p.m.

**WEDNESDAY:** 7:30–10:00 a.m. and 3:30–5:00 p.m.

**THURSDAY:** 9:00 a.m.–12:30 p.m.



Special thanks to the 2019 Silver Sponsor, TOMRA Sorting Solutions, for supporting the registration and CEU kiosks.

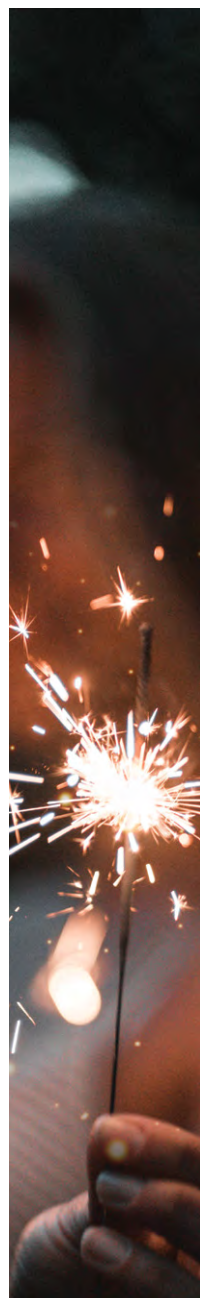


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TUESDAY

DAY ONE | DECEMBER 10

CONFERENCE AGENDA

**HOURS:** Registration: 7:00 A.M.–6:00 P.M.    Exhibit Hall: 11:30 A.M.–6:00 P.M.    Sessions: 8:00 A.M.–4:30 P.M.



**Hotel Shuttle:** Shuttle runs every 15 minutes between 6:45–10:45 A.M. and 3:30–6:30 P.M.



**Food Truck Village:** 11:00 A.M.–2:30 P.M.

**8:00–9:00 A.M. • ROOM 1**  
The ABCs of ABC

**8:00–9:00 A.M. • ROOM 2**  
How to Deal with Rejection

**8:00–9:00 A.M. • ROOM 3**  
Journey Toward Off-Ground Harvest

**9:15–10:00 A.M. • ROOM 1**  
Almond Orchard 2025 Goals:  
The Roadmap to Success

**9:15–10:00 A.M. • ROOM 2**  
Tariffs and Trade: Chaos Theory  
on a Global Level!

**9:15–10:00 A.M. • ROOM 3**  
Research Update: Reaching  
Potential and Sustainable Yields

**10:15–11:30 A.M. • BUILDING C**  
State of the Industry



**11:30 A.M.–12:30 P.M. • PAVILION + BUILDING D**  
Dedicated Trade Show Time  
and Coffee Break  
Sponsored by AC Horn



**11:40 A.M.–12:00 P.M. • ALMOND STAGE, BUILDING D**  
Aflatoxin: Prevention is  
Better Than a Cure  
Presented by TOMRA Sorting Solutions



**12:10–12:30 P.M. • ALMOND STAGE, BUILDING D**  
Serious Innovations in Navel Orangeworm  
Mating Disruption  
Presented by Suterra



**12:30–2:00 P.M. • BUILDING C**  
Lunch: Going for Gold...Again!  
Sponsored by Yosemite Farm Credit



**2:15–3:15 P.M. • ROOM 1**  
AgTech Innovation: Bringing  
Silicon Valley to the Central Valley Orchard

**2:15–3:15 P.M. • ROOM 2**  
ABC Global Market Development:  
by the Numbers

**2:15–3:15 P.M. • ROOM 3**  
Research Update: Nutrient Management



**2:30–3:30 P.M. • PAVILION + BUILDING D**  
Snacks  
Sponsored by 3P Partners



**3:30–4:30 P.M. • ROOM 1**  
Almond Production Estimates:  
Nuts and Bolts of Different Models

**3:30–4:30 P.M. • ROOM 2**  
Why Does My Handler Want Me to Participate in  
the California Almond Sustainability Program?

**3:30–4:30 P.M. • ROOM 3**  
Bees: What's New in Pollination?



**4:30–6:00 P.M. • PAVILION + BUILDING D**  
Dedicated Trade Show Time  
and Opening Reception  
Sponsored by  
The Almond Board of California



**4:30–6:00 P.M. • PAVILION**  
Research Poster Session



Almond Stage  
Presentations



Food and  
Beverage



Refreshments

TUESDAY, DECEMBER 10

DAY 1

SESSION DESCRIPTIONS

THE ABCs OF ABC

8:00–9:00 A.M.

ROOM 1

Speakers: Emily Fleischmann (ABC), Julie Adams (ABC), Karen Lapsley (ABC), Daren Williams (ABC), Josette Lewis (ABC)

Whether you are an almond grower, processor or allied industry member, you have a stake in the success of the California almond industry and the Almond Board of California. Attend this session to meet the people behind the plan of work for 2019/20 and how you can plug in to ensure the industry continues to thrive and grow.

HOW TO DEAL WITH REJECTION

8:00–9:00 A.M.

ROOM 2

Moderator: Geoffrey Bogart (ABC)  
Speakers: Nico Blonk (Synergy Food Ingredients and Processing), Tim Birmingham (ABC)

Everyone loves almonds, but even almonds have experienced rejection. This session will address the rejection of consignments exceeding aflatoxin tolerances in the EU and Japan, as well as foreign government regulations, inspection levels, reprocessing options and goods return considerations. This session will also cover industry best practices for dealing with rejections.

JOURNEY TOWARD OFF-GROUND HARVEST

8:00–9:00 A.M.

ROOM 3

Moderator: Sebastian Saa (ABC)  
Speakers: Brian Wahlbrink (Sperry Farms), Chris Simmons (UC Davis), Patrick Brown (UC Davis), Michael Coates (Plant and Food Research Australia), Ted DeJong (UC Davis), Zhongli Pan (UC Davis)

Ever wonder what it takes to successfully harvest almonds without the crop touching the ground? Let's discuss it! This session will feature a panel discussion on what it means to move toward off-ground harvest, including growers' experiences, an economic analysis of this practice, drying options, orchard reconfiguration and much more!

ALMOND ORCHARD 2025 GOALS: THE ROADMAP TO SUCCESS

9:15–10:00 A.M.

ROOM 1

Speakers: Mel Machado (Blue Diamond Growers), Josette Lewis (ABC), Daren Williams (ABC)

The Almond Orchard 2025 Goals were launched this past year and set a destination for the almond orchard of the future. What progress have we made in the first year? Are we on track to achieve the goals by 2025? What's the next step on the journey? These and other questions will be answered in this session introducing the Almond Orchard 2025 Goals Roadmap.

TARIFFS AND TRADE: CHAOS THEORY ON A GLOBAL LEVEL!

9:15–10:00 A.M.

ROOM 2

Moderator: Julie Adams (ABC)  
Speakers: Jason Hafemeister (USDA Special Trade Advisor), Cynthia Xing (Yuan Associates)

The global trade environment has never been more dynamic. U.S. negotiators are seeking "free and fair" market access, but so are our trade partners. Finding the right balance is a challenge and the path to an acceptable tariff or technical solution is rarely straight (or fast). Come hear about the broader trade agenda and what future export growth could mean for almonds.

RESEARCH UPDATE: REACHING POTENTIAL AND SUSTAINABLE YIELDS

9:15–10:00 A.M.

ROOM 3

Moderator: Sebastian Saa (ABC)  
Speakers: Bruce Lampinen (UC ANR), Roger Duncan (UC ANR), Franz Niederholzer (UC ANR), Katherine Jarvis-Shean (UC ANR)

One of the keys for a successful, long-term relationship with your trees is to understand them, but first you must learn to speak their language. In this session, we will discuss some pomological concepts that will help you manage your orchard to achieve high sustainable yields.

STATE OF THE INDUSTRY

10:15–11:30 A.M.

BUILDING C

Speakers: Holly A. King (Triple Crown Holdings, LP), Richard Waycott (ABC)

ABC Chair Holly A. King and President/CEO Richard Waycott will share industry accomplishments during the 2018/19 crop year and discuss what the Board of Directors and ABC staff have established as priorities for the years ahead. This session will include updates on the industry's progress toward the Almond Orchard 2025 Goals, as well as an overview of the longer-term outlook for our industry, given the implementation of the Sustainable Groundwater Management Act (SGMA), pollination challenges and increases in global almond production. Holly and Richard will also celebrate the industry's successes, including achieving record shipments in a year of considerable trade upheaval and a globally recognized sustainability program. Rounding out this session, the 2019 Almond Achievement Award winner will be announced. Be sure to attend this session for important insights into the future of the California almond industry.

DEDICATED TRADE SHOW TIME AND COFFEE BREAK

11:30 A.M.–12:30 P.M.  
PAVILION + BUILDING D

AFLATOXIN: PREVENTION IS BETTER THAN A CURE

11:40 A.M.–12:00 P.M.

ALMOND STAGE, BUILDING D

Speaker: Brendan O'Donnell (TOMRA Sorting Solutions)

The true cost of contaminated almonds is far reaching; not only is there a potential human cost in terms of health, but the implications of trade issues, shipment delays and rejections can present significant challenges in terms of lost business, waste and consumer confidence. Brendan O'Donnell, Global Category Director – Nuts, at TOMRA Sorting Solutions, explains the value in employing effective in-orchard and post-harvest controls to help minimize toxin levels.







## SERIOUS INNOVATIONS IN NAVEL ORANGEWORM MATING DISRUPTION



12:10–12:30 P.M.



**ALMOND STAGE, BUILDING D**

*Speaker:* Dani Casado, Ph.D., (Suterra)

Mating disruption is fun to joke about, but decreasing navel orangeworm populations have growers laughing all the way to the bank. Growers are embracing pheromones that sexually confuse male pests because they reduce damage, improve food safety and fight insecticide resistance. Suterra, the global pheromone leader, will announce two major labor-saving innovations for the 2020 growing season and share numbers that show how and why mating disruption works. Growers won't want to miss this session.

## LUNCH: GOING FOR GOLD... AGAIN!



12:30–2:00 P.M.

**BUILDING C**

*Moderator:* Ali Cox (AC&C Marketing)

*Speaker:* Kerri Walsh Jennings



California native and former Stanford All-American Kerri Walsh Jennings became the most decorated beach volleyball Olympian of all time after winning a bronze medal in 2016, adding to the three gold medals she earned in 2012, 2008 and 2004. The five-time Olympian and mother of three will be shooting to make her sixth Olympics in 2020. Starting in February 2020 through the Summer Olympics, Kerri will be the spokesperson for California almonds. Join us for lunch and a casual conversation with Kerri to learn how she moves from mom to Super Olympian fueled by almonds.

## AGTECH INNOVATION: BRINGING SILICON VALLEY TO THE CENTRAL VALLEY ORCHARD

2:15–3:15 P.M.

**ROOM 1**

*Moderator:* Josette Lewis (ABC)

*Speakers:* Michael Santiago (FloraPulse), Iftach Birger (Fieldin), Ellie Symes (The BeeCorp)

A taste of start-up companies bringing new technologies to the almond orchard.

## ABC GLOBAL MARKET DEVELOPMENT: BY THE NUMBERS

2:15–3:15 P.M.

**ROOM 2**

*Moderator:* Brian Ezell (The Wonderful Company)

*Speakers:* Emily Fleischmann (ABC), Laurel Muir (SRG)

Growing global consumer demand has been pivotal to the success of the industry and the future will be no different. Given this, the Almond Board is constantly seeking to strike the right balance between stretching grower dollars across the globe and striving for the deepest impact in each market. This session will highlight some of the key learnings in this journey and some expectations for the future.

## RESEARCH UPDATE: NUTRIENT MANAGEMENT

2:15–3:15 P.M.

**ROOM 3**

*Moderator:* Sebastian Saa (ABC)

*Speakers:* Steve Petrie (Yara North America), Jesse Roseman (ABC), Patrick Brown (UC Davis)

Let's review the fundamentals of nutrient management for almond production. We will start with a talk from our platinum sponsor Yara about nutrient-use efficiency, then discuss nitrogen regulations and the management of essential nutrients such as potassium, boron and zinc.

## SNACKS SPONSORED BY 3P PARTNERS



2:30–3:30 P.M.

**PAVILION + BUILDING D**

## ALMOND PRODUCTION ESTIMATES: NUTS AND BOLTS OF DIFFERENT MODELS

3:30–4:30 P.M.

**ROOM 1**

*Moderator:* Stuart McAllister (TerraNova)

*Speakers:* Gary Keough (NASS), Megan Nunes (Vinsight), Roland Fumasi (RaboBank), Joel Kimmelshue (Land IQ), Mel Machado (Blue Diamond Growers)

Production estimates can drive markets, but different models can produce differing results. ABC's Land IQ orchard mapping provides accurate information about bearing acres each year, but yield estimates are often more variable. Join this session for a chance to hear from NASS on how official estimates are developed and from private firms that develop their own annual production estimates.

## WHY DOES MY HANDLER WANT ME TO PARTICIPATE IN THE CALIFORNIA ALMOND SUSTAINABILITY PROGRAM?

3:30–4:30 P.M.

**ROOM 2**

*Moderator:* Gabriele Ludwig (ABC)

*Speakers:* Ben Goudie (Blue Diamond Growers), Eric Harris (SureHarvest), Donny Hicks (Hughson Nut), Grower (TBC)

Almonds are the #1 nut in new product introductions globally! As almond popularity continues to grow, large food manufacturers are conducting sustainability risk assessments on their key ingredients. This translates to almond handlers fielding more questions than ever related to how almonds are grown. The California Almond Sustainability Program (CASP), the only almond-focused sustainability self-assessment, is becoming a critical tool to help handlers answer questions from buyers about almond production. What's more, CASP data documenting industry sustainability practices is giving manufacturers even more reasons to include almonds in their next product launch. Attend this session to learn how you can join the journey!

## BEEES: WHAT'S NEW IN POLLINATION?

3:30–4:30 P.M.

**ROOM 3**

*Moderator:* Josette Lewis (ABC)

*Speakers:* Ben King (Pacific Gold Ag), Louie Mendoza (Butte County Ag Commissioner), Laurie Adams (Pollinator Partnership), Danielle Veenstra (ABC)

Almond productivity starts with healthy bees, and bee health impacts consumer perceptions of the sustainability of our product. Learn about new ways to improve bee health as well as the importance of communicating with all pollination stakeholders during bloom.



## DEDICATED TRADE SHOW TIME AND OPENING RECEPTION SPONSORED BY ABC



4:30–6:00 P.M.

**PAVILION + BUILDING D**



## RESEARCH POSTER SESSION

4:30–6:00 P.M.

**PAVILION**



# 10 YEARS OF PROGRESS

## JOIN THE JOURNEY

All attendees are encouraged to attend the State of the Industry address, which will be held on Tuesday morning, December 10. During the address, ABC President and CEO Richard Waycott and ABC Chair Holly A. King will discuss the Almond Orchard 2025 Goals and the industry's journey toward the almond orchard of the future. They will also highlight the 10-year anniversary of the California Almond Sustainability Program (CASP). Also, make sure to attend the Wednesday evening reception in the Pavilion and Building D to toast to 10 years of CASP!

CASP uses grower-submitted production information to demonstrate the sustainability of our industry to buyers, regulators and consumers, and helps growers find ways to create efficiencies in their operations. Now in its 10th year, CASP represents 22% of the almond acreage in California, and that number continues to grow.

### EVERYTHING YOU NEED IN ONE PLACE

- Learn about improved orchard management practices
- Show how almond growers farm responsibly and efficiently
- Automatically meet regulatory reporting requirements
- Calculate your orchard's irrigation schedules
- Calculate your crop's nitrogen needs

It's all there at

**[SustainableAlmondGrowing.org](https://SustainableAlmondGrowing.org)**





# WEDNESDAY

DAY TWO | DECEMBER 11

CONFERENCE AGENDA

**HOURS:** Registration: 7:00 A.M.–6:00 P.M.

Exhibit Hall: 8:00 A.M.–6:00 P.M.

Sessions: 8:00 A.M.–4:30 P.M.



**Hotel Shuttle:** Shuttle runs every 15 minutes between 6:45–10:45 A.M. and 3:30–6:30 P.M.



**Food Truck Village:** 11:00 A.M.–2:30 P.M.

## 8:00–9:00 A.M. • ROOM 1

Sorting for Aflatoxin:  
The Needle in the Haystack

## 8:00–9:00 A.M. • ROOM 2

China: Driving Long-Term Growth

## 8:00–9:00 A.M. • ROOM 3

New and Expanding Plant Diseases:  
Hull Rot and Ganoderma



## 9:05–9:25 A.M. • ALMOND STAGE, BUILDING D

Real-Time Electronic Sensor  
Detection of All Life Stages of the  
Indianmeal Moth and Navel Orangeworm  
Presented by Sensor Development Corporation



## 9:15–10:30 A.M. • PAVILION • BUILDING D

Dedicated Trade Show Time  
and Coffee Break  
Sponsored by Satake



## 9:30–9:50 A.M. • ALMOND STAGE, BUILDING D

Impact Summary: A Decade of  
Savings for Agriculture  
Presented by JKB Energy



## 10:00–10:20 A.M. • ALMOND STAGE, BUILDING D

Reduce NOW Damage through  
Improved Spray Timing  
Presented by Semios



## 10:45–11:30 A.M. • ROOM 1

Almond Food Safety: Past, Present and Future

## 10:45–11:30 A.M. • ROOM 2

Europe: Playing a Pivotal Role in Almonds' Future

## 10:45–11:30 A.M. • ROOM 3

Alternatives for Managing Replant  
Pests and Problematic Weeds

## 11:30 A.M.–12:30 P.M. • PAVILION • BUILDING D

Dedicated Trade Show Time



## 11:40 A.M.–12:00 P.M. • ALMOND STAGE, BUILDING D

Latest Innovations for Almond Processing  
Presented by Borrell USA



## 12:10–12:30 P.M. • ALMOND STAGE, BUILDING D

Providing Support to Growers through  
Fumigation and Trial Research  
to Help Improve Nematode Control  
Presented by TriCal, Inc.



## 12:30–2:00 P.M. • BUILDING C

Lunch: Pushing Your Personal Limits  
Sponsored by Farm Credit



## 2:15–3:15 P.M. • ROOM 1

Sterile Insect Control of Navel Orangeworm

## 2:15–3:15 P.M. • ROOM 2

India: Strong Today, Stronger Tomorrow

## 2:15–3:15 P.M. • ROOM 3

Could Cover Crops or Whole Orchard  
Recycling Help with Orchard Management?



## 2:30–3:30 P.M. • PAVILION • BUILDING D

Snacks

Sponsored by 3P Partners



## 3:30–4:30 P.M. • ROOM 1

Incentive Assistance: Help Applying for Grants  
That Fund On-Farm Practices

## 3:30–4:30 P.M. • ROOM 2

South Korea and Japan: Almonds Make Life Beautiful

## 3:30–4:30 P.M. • ROOM 3

Pest Management Considerations in an  
Ever-Changing Regulatory Environment



## 4:30–6:00 P.M. • PAVILION • BUILDING D

Dedicated Trade Show Time  
and Social Reception  
Sponsored by Qcify



## 4:30–6:00 P.M. • PAVILION • BUILDING D

CASP Celebration

## 4:30–6:00 P.M. • PAVILION

Research Poster Session



Almond Stage  
Presentations



Food and  
Beverage



Refreshments

WEDNESDAY, DECEMBER 11

# DAY 2

## SESSION DESCRIPTIONS

### SORTING FOR AFLATOXIN: THE NEEDLE IN THE HAYSTACK

8:00–9:00 A.M.  
ROOM 1

*Moderator:* Tim Birmingham (ABC)  
*Speakers:* Brendan O'Donnell (TOMRA Sorting Solutions), Jared Morse (MPA Solutions)

Environmental conditions can lead to sporadic occurrences of low levels of aflatoxin in almonds. Efforts to remove contaminated product are difficult and complicated by the random distribution within a lot. In this session, technology providers will showcase their equipment to demonstrate how it identifies and removes affected product, saving handlers the hassle of resorting to loads.

### CHINA: DRIVING LONG-TERM GROWTH

8:00–9:00 A.M.  
ROOM 2

*Moderator:* Brian Ezell (The Wonderful Company)  
*Speakers:* Connie Cheung (ABC), Vivien Ling (Ruderfinn), Julie Adams (ABC)

China is a fast-moving and evolving market, presenting great opportunity and often unforeseen challenges, such as tariff changes. This session will unpack market dynamics from the perspectives of Chinese consumers, almond competitors, Chinese traders and retailers, as well as unveil how ABC is adjusting its China marketing program to meet those challenges.

### NEW AND EXPANDING PLANT DISEASES: HULL ROT AND GANODERMA

8:00–9:00 A.M.  
ROOM 3

*Moderators:* Sebastian Saa (ABC), Gabriele Ludwig (ABC)  
*Speakers:* Patrick Brown (UC Davis), Mohammad Yaghmour (UC ANR), Barat Bisabri (Shiraz Ranch, LLC), Dave Rizzo (UC Davis), Bob Johnson (UC Davis)

What are your options to manage hull rot? And what's up with this new disease called ganoderma? Attend this session for updates on the latest techniques in hull rot management and to learn more about what we know so far about the new ganoderma strain.

### REAL-TIME ELECTRONIC SENSOR DETECTION OF ALL LIFE STAGES OF THE INDIANMEAL MOTH AND NAVEL ORANGEWORM



9:05–9:25 A.M.  
ALMOND STAGE, BUILDING D



*Speakers:* Nick Smilanch, Sue Evans, Sam Reichert, Frank Tudron (Sensor Development)

Electronic real-time insect detection of the Indianmeal moth and navel orangeworm is now available! Come and see how Sensor Development Corporation's (SDC) new electronic sensor device is ushering in a new era in pest management that will be a vital data tool in your stored product protection program. SDC's pioneering device detects all life stages—eggs, larvae and adult moths. A limited number of beta test units will be available for purchase in January 2020. Don't miss this opportunity to learn more about the future of pest management.

### DEDICATED TRADE SHOW TIME AND COFFEE BREAK



9:15–10:30 A.M.  
PAVILION • BUILDING D



### IMPACT SUMMARY: A DECADE OF SAVINGS FOR AGRICULTURE



9:30–9:50 A.M.  
ALMOND STAGE, BUILDING D



*Speaker:* Chad Cummings (JKB Energy)

Come learn insights on the value solar has provided to California's ag industry over the previous 10 years and what opportunities lie ahead to mitigate rising energy costs.

### REDUCE NOW DAMAGE THROUGH IMPROVED SPRAY TIMING



10:00–10:20 A.M.  
ALMOND STAGE, BUILDING D



*Speaker:* Jordan Hazell (Semios)  
Hullsplit is the most vulnerable stage of almond development for navel orangeworm control. For optimum damage prevention, accurately timing the application of control materials is critical. Many growers and their PCAs are tasked with the challenge of tracking hullsplit progression, navel orangeworm flight development and the logistics of getting spray rigs in the right place at the right time. In this two-season case study, Semios reviews how in-canopy tracking,

measurement of navel orangeworm flight development and its relationship to hullsplit timing were used to increase the accuracy of control material applications for reduced NOW damage.

### ALMOND FOOD SAFETY: PAST, PRESENT AND FUTURE

10:45–11:30 A.M.  
ROOM 1

*Moderator:* Brian Dunning (Shoei Foods)  
*Speaker:* Linda Harris (UC Davis)

This session will highlight the history of almond food safety programs, including a discussion on what the future looks like as we settle into the new norm under the Food Safety Modernization Act (FSMA).

### EUROPE: PLAYING A PIVOTAL ROLE IN ALMONDS' FUTURE

10:45–11:30 A.M.  
ROOM 2

*Moderator:* Brian Wahlbrink (Sperry Farms)  
*Speakers:* Dariela Roffe-Rackind (ABC), Kath Martino (ABC), Emily Fleischmann (ABC), Julie Adams (ABC)

European consumers are demanding more from their food. "Tastes good" and "good for me" are no longer enough. "Good for the planet" is just as important. This session will explore why Europe is pivotal to the growth of the California almond industry and how Europe continues to dominate the share of new product introductions globally.

### ALTERNATIVES FOR MANAGING REPLANT PESTS AND PROBLEMATIC WEEDS

10:45–11:30 A.M.  
ROOM 3

*Moderators:* Gabriele Ludwig (ABC), Tanya Wood (ABC)  
*Speakers:* Greg Brown (USDA-ARS), Chris Simmons (UC Davis), Brad Hanson (UC ANR)

What are your options for weed management if key herbicides are lost to resistance or regulations? How can you control soil pests upon replanting an orchard if soil fumigants are not an option? This session will address research and prospective technologies aimed at addressing changing reliability of pest management tools for weed and soil pest management.



Almond Stage  
Presentations



Food and  
Beverage



Refreshments



**DEDICATED TRADE SHOW TIME**

11:30 A.M.–12:30 P.M.  
PAVILION + BUILDING D

**LATEST INNOVATIONS FOR ALMOND PROCESSING**

11:40 A.M.–12:00 P.M.  
**ALMOND STAGE, BUILDING D**

Speaker: Charles Boddy  
(Borrell USA)



Join us for a presentation summarizing a very brief history of 100 years of almond equipment manufacture, focusing on the groundbreaking range of new, patented equipment being launched for hulling and shelling, blanching, roasting and value added.

**PROVIDING SUPPORT TO GROWERS THROUGH FUMIGATION AND TRIAL RESEARCH TO HELP IMPROVE NEMATODE CONTROL**

12:10–12:30 P.M.  
**ALMOND STAGE, BUILDING D**

Speaker: Kristi Sanchez (TriCal, Inc. and TriCal Diagnostics)

Introducing TCD services (branch of TriCal expanding our services to growers). Overview of key plant parasitic nematodes that cause harm to almonds. Importance of nematode control leading into fumigation as key pretreatment fumigation with Telone and added strip PIC (show data on the value it brings for growers). TriCal field trials we have initiated, examining integrated nematode management program for growers (PIC only + contact nematicide and/or Telone + contact nematicide)

**LUNCH: PUSHING YOUR PERSONAL LIMITS**

12:30–2:00 P.M.  **FARM CREDIT BUILDING C**

Moderator: Daren Williams (ABC)  
Speaker: John Stenderup

John Stenderup has reached heights few people ever have as one of only seven Americans to have summited Mount Everest, the highest peak in the world, K2 (second highest) and Lhotse (fourth). He's also deeply rooted in California agriculture, growing up on his family's farm, Stenderup Ag Partners, in Arvin, and earning a degree in international agribusiness from Cal Poly, San Luis Obispo. As a supply chain consultant for C.H. Robinson in Monterey, John helps shippers of produce and perishable foods navigate the global supply chain. As a professional mountaineer, he boasts an impressive climbing résumé focused on alpine climbing, ice climbing and high-altitude mountaineering. After successfully summiting Everest and Lhotse in 2017, John set his sights on K2, the most difficult and dangerous of the three. Also known as the "savage mountain," one person dies on K2 for every four who reach the summit. Come listen to the harrowing story of how his team battled weather and other chilling setbacks to reach their ultimate goal.

**STERILE INSECT CONTROL OF NAVEL ORANGEWORM**

2:15–3:15 P.M.

**ROOM 1**

Moderator: Josette Lewis (ABC)  
Speakers: Houston Wilson (UC Riverside), Neil Morrison (Oxitec), Nathan Moses-Gonzales (M3 Consulting Group), Melissa Tesche (Okanagan-Kootenay Sterile Insect Release Program)

In 2019, the Almond Board joined the pistachio industry in making a substantial investment to explore use of sterile insect technology to control navel orangeworm. Come learn about current testing and new approaches to the use of sterile insects for integrated and sustainable pest management.

**INDIA: STRONG TODAY, STRONGER TOMORROW**

2:15–3:15 P.M.

**ROOM 2**

Moderator: Dinesh Bajaj (Select Harvest USA)  
Speakers: Sudarshan Mazumdar (ABC), Laurel Muir (SRG), Julie Adams (ABC)

India is a large and rapidly growing market for almonds. Factors like sustained economic growth, a rapidly growing middle class, a strong tradition of almond consumption and growing interest in health and nutrition hold promise for further increases in almond consumption. This session focuses on how marketing is leveraging consumer understanding to drive growth while tackling complex market-access issues.

**COULD COVER CROPS OR WHOLE ORCHARD RECYCLING HELP WITH ORCHARD MANAGEMENT?**

2:15–3:15 P.M.

**ROOM 3**

Moderators: Gabriele Ludwig (ABC), Tanya Wood (ABC)  
Speakers: Greg Wegis (Wegis & Young), Amelie Gaudin (UC Davis), Brent Holtz (UC ANR)

Planting cover crops can be tricky within the almond system, and whole orchard recycling is a new concept. If you have wondered if either of these practices might fit into your growing operation, attend this session, which features growers talking about their experiences with these practices, as well as updates from researchers about what changes have been measured.

**SNACKS SPONSORED BY 3P PARTNERS**

2:30–3:30 P.M.  
**PAVILION + BUILDING D**

**INCENTIVE ASSISTANCE: HELP APPLYING FOR GRANTS THAT FUND ON-FARM PRACTICES**

3:30–4:30 P.M.

**ROOM 1**

Moderator: Jesse Roseman (ABC)  
Speakers: Shulamit Shroder (UC ANR), Kristen Murphy (CARCD), Toney Tillman (NRCS), Kelli Evans (Evans Farming)

The process to apply for irrigation, air quality and pest management incentive funds can be difficult to navigate. Thankfully, help is available from both the private and public sectors for completing applications. Join this session to learn about services available for growers to apply for incentive funds to increase on-farm efficiency from speakers who work with CDFA, NRCS and San Joaquin Air District programs.

**SOUTH KOREA AND JAPAN: ALMONDS MAKE LIFE BEAUTIFUL**

3:30–4:30 P.M.

**ROOM 2**

Moderator: Craig Duerr (Campos Brothers)  
Speakers: Murielle Kim (ABC), Laura Morin (SRG), Geoffrey Bogart (ABC)

South Korea and Japan have a strong, positive influence on neighboring Asian countries and the world. This session will explore how Korean beauty trends and Japanese products are influencing Asia and beyond, how new product introductions move from one country to the other and how these factors impact ABC's marketing programs. The session will also include an update on market-access challenges.

**PEST MANAGEMENT CONSIDERATIONS IN AN EVER-CHANGING REGULATORY ENVIRONMENT**

3:30–4:30 P.M.

**ROOM 3**

Moderator: Gabriele Ludwig (ABC)  
Speakers: Val Dolcini (Director, CDPR), Amy Wolfe (AgSafe), Gabriele Ludwig (ABC)

Come hear the latest in the ever-changing pesticide regulatory environment with updates on state and federal regulations, worker protection standards and how international pesticide regulations are affecting your pest management choices.

**DEDICATED TRADE SHOW TIME AND SOCIAL RECEPTION**

4:30–6:00 P.M.  
**PAVILION + BUILDING D**

**CASP 10-YEAR ANNIVERSARY CELEBRATION**

4:30–6:00 P.M.  
**PAVILION + BUILDING D**

**RESEARCH POSTER SESSION**

4:30–6:00 P.M.  
**PAVILION + BUILDING D**

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The **EVOLUTION MIR** platform features high resolution multi-spectral optical sorting for unsurpassed detection and removal of foreign material in almonds and other tree nuts. Proprietary color and high definition InGaAs cameras, with pulsed LED lighting, target unwanted material with precise results.

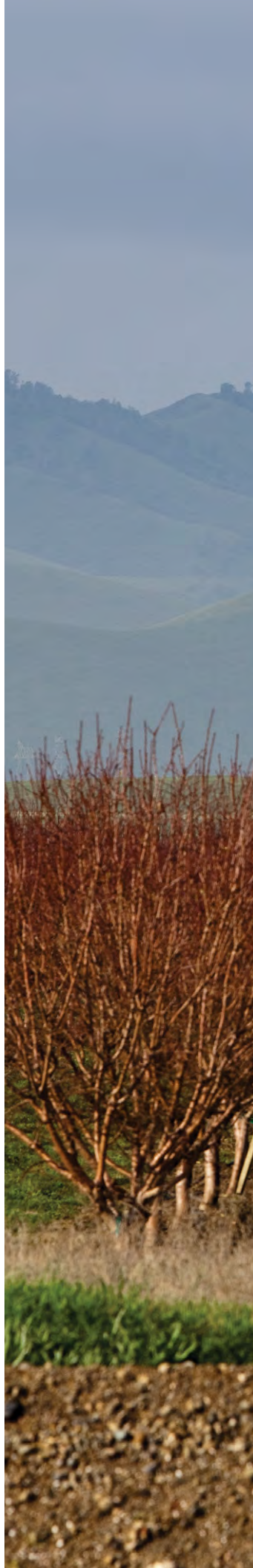
Satake's **EVOLUTION MIR** sorting technology specializes in removal of tough peewee in-shell and other FM such as glass, stones and rocks from good product.

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# THURSDAY

DAY THREE | DECEMBER 12  
CONFERENCE AGENDA

## HOURS:

Registration: 7:00–11:30 A.M.

Exhibit Hall: 7:30–11:30 A.M.

Session: 8:30 A.M.–12:15 P.M.



**Hotel Shuttle:** Shuttle runs every 15 minutes between 6:45 A.M.–1:30 P.M.



### 7:30–8:30 A.M. • PAVILION + BUILDING D

Continental Breakfast

Sponsored by Crest Container Lines



### 8:30–9:30 A.M. • BUILDING C

Startup Spotlight

### 9:45–10:30 A.M. • ROOM 1

Latest and Greatest Commercial Uses  
of Woody Almond Biomass

### 9:45–10:30 A.M. • ROOM 2

North America: Beyond the Selfie: How Social  
Media Grows California Almond Sales

### 9:45–10:30 A.M. • ROOM 3

SGMA and Recharge: How to Make Lemonade  
Out of Groundwater Regulation

### 10:30–11:15 A.M. • PAVILION + BUILDING D

Dedicated Trade Show Time



### 10:40–11:00 A.M. • ALMOND STAGE, BUILDING D

Almond Brown Ale Beer, On the Fritz



### 11:30 A.M.–12:15 P.M. • ROOM 1

More Almond Hulls for California Dairy Cows?

### 11:30 A.M.–12:15 P.M. • ROOM 2

Advocacy Update: Sacramento and D.C.

### 11:30 A.M.–12:15 P.M. • ROOM 3

Research Update: How Much and When to Irrigate



Almond Stage Presentations



Food and Beverage

THURSDAY, DECEMBER 12

# DAY 3

## SESSION DESCRIPTIONS

### CONTINENTAL BREAKFAST



7:30–8:30 A.M.  
**PAVILION + BUILDING D**



### STARTUP SPOTLIGHT

8:30–9:30 A.M.  
**BUILDING C**

*Moderator:* Jennifer Barney  
(3rd & Broadway)

*Speakers:* Madeline Haydon (nutpods),  
Ashley Thompson (MUSH Foods), Val  
Griffith (Skinny Dipped Almonds),  
Jenny Eu (Three Trees)

At this General Session, you'll hear why young, innovative companies choose almonds as a key ingredient in their products. Moderator Jennifer Barney founded Barney Butter Almond Butter, named by *Inc. Magazine* as one of the fastest growing small businesses in the U.S. in 2015. After selling the company, she started 3rd & Broadway, her food product innovation consulting company. Madeline Haydon launched nutpods, a nondairy coffee creamer made with almond and coconut cream, in 2015 and quickly outpaced traditional brands to become the #1 best-selling alternative creamer on Amazon and the category leader in velocity. Working in her home kitchen, Val Griffith and her daughter, Breezy, spent a year perfecting their recipe for a "whole, better-for-you, outrageously delicious snack." Skinny Dipped Almonds launched in 2014 and is now available in more than 10,000 stores nationwide. Ashley Thompson cofounded MUSH overnight oats in 2015 and recently expanded distribution to 3,500 retail locations across the U.S., including Whole Foods Markets. MUSH overnight oats are cold-soaked in almond or coconut milk and never heated. Jenny Eu's passion for delicious and nourishing plant-based foods led her to start Three Trees in 2013. Her food philosophy drives the company to create organic almond milks that showcase the natural goodness of the almonds that go into every bottle.

### LATEST AND GREATEST COMMERCIAL USES OF WOODY ALMOND BIOMASS

9:45–10:30 A.M.  
**ROOM 1**

*Moderators:* Caleb Gervase (Van Dуйn Farms), Karen Lapsley (ABC)  
*Speakers:* Eric McAfee (Aemetis),  
Mike Woelk (Corigin)

This session provides a unique opportunity to learn more about the science and business plans for two advanced technology companies investing in the Central Valley.



Almond Stage Presentations



Food and Beverage

Aemetis is building a cellulosic biorefinery in Riverbank, taking advantage of the low carbon fuel standard in California and the ready supply of woody biomass from almonds and walnuts.

### NORTH AMERICA: BEYOND THE SELFIE: HOW SOCIAL MEDIA GROWS CALIFORNIA ALMOND SALES

9:45–10:30 A.M.  
**ROOM 2**

*Moderator:* Michael Burdeny (Blue  
Diamond Growers)

*Speakers:* Jenn Freeman (ABC), Becky  
Jeffers (ABC), Mickey Citarella (SRG)

Social media is more than selfies, memes and tweets: it's the fastest growing advertising platform worldwide. Learn about trends and platforms and how ABC is leveraging both to drive almond consumption in the U.S. and Mexico.

### SGMA AND RECHARGE: HOW TO MAKE LEMONADE OUT OF GROUNDWATER REGULATION

9:45–10:30 A.M.  
**ROOM 3**

*Moderator:* Jesse Roseman (ABC)

*Speakers:* Joe Choperena (Sustainable  
Conservation), Matt Efird (Efird Ag  
Enterprises, Inc. and Double E Farms),  
Kamyar Guivetchi (DWR), Tony Savant  
(Savant Holsteins), Don Cameron  
(Terranova Ranch)

The first Groundwater Sustainability Plans have been released, and growers are learning more about how Sustainable Ground Water Management Act (SGMA) may affect water supplies in their area. While full implementation will take years, there are opportunities to limit negative impacts through basin recharge, water markets and new surface-water supplies. Hear tips from groundwater recharge practitioners on how to prepare for a future with both groundwater sustainability and continued production.

### DEDICATED TRADE SHOW TIME

10:30–11:15 A.M.  
**PAVILION + BUILDING D**

### ALMOND BROWN ALE BEER, ON THE FRITZ



10:40–11:00 A.M.  
**ALMOND STAGE, BUILDING D**

*Speakers:* Dominique Camou  
(Famoso Nut Company),  
Lucas Schmidt (Grow West)

Join us for the award-winning Almond  
Leadership Special Project Presentation,



selected by the peers and mentors of the program. Hear from two participants who collaborated with Temblor Brewing Company to develop an almond beer.

### MORE ALMOND HULLS FOR CALIFORNIA DAIRY COWS?

11:30 A.M.–12:15 P.M.  
**ROOM 1**

*Moderator:* Karen Lapsley (ABC)

*Speakers:* Jed Asmus (January  
Innovations, Inc.), Ed DePeters  
(UC Davis)

Almond hulls are a popular feedstuff in rations for California dairy cows, but the amounts used for forage or concentrate vary greatly. Learn about the latest results from a Holstein lactation study at UC Davis that monitored all aspects of production performance of individual cows fed varying rates of almond hulls. The potential impact of these results and other collaborative industry practices will clearly demonstrate how both the dairy and almond industries can be more sustainable working together.

### ADVOCACY UPDATE: SACRAMENTO AND D.C.

11:30 A.M.–12:15 P.M.  
**ROOM 2**

*Moderator:* Elaine Trevino (Almond  
Alliance of California)

*Speakers:* Dennis Albani (California  
Advocates), California State Legislator  
(TBD), Congressional Perspective (TBD)

Much has changed in the regulatory and legislative worlds over the past year regarding the political landscape, trade, pesticides/fumigants, water, logistics, food safety, packaging and bees just to name a few. During this session, the panel will discuss those shifts and how the California almond industry's voice is being heard in Sacramento and D.C. Come learn how these changes impact your business and the overall industry.

### RESEARCH UPDATE: HOW MUCH AND WHEN TO IRRIGATE

11:30 A.M.–12:15 P.M.  
**ROOM 3**

*Moderator:* Sebastian Saa (ABC)

*Speakers:* Tom Devol (ABC),  
Andrew McElrone (UC Davis),  
Tom Buckley (UC Davis), Brian Bailey  
(UC Davis), Ken Shackel (UC Davis)

What is flowing out of ABC's water research pipeline that can improve water-use efficiency? This session will share the latest results in thermal imaging, surface renewal, modeling tree water demand and the in-field evaluation of several tree water sensors.





## BEST OF SHOW

### Booth Competition Participants

- Bühler, Inc. #341
- CPM Wolverine Proctor #612
- Live Earth Products, Inc. #712
- MPA Solutions #105
- Nichino America, Inc. #927
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### Water Cooler SPONSOR



Tuesday and Wednesday

### SNACK SPONSOR



## WATER BOTTLES

To celebrate the 10-year anniversary of the California Almond Sustainability Program (CASP), each attendee will receive a CASP-branded sustainable water bottle in their tote bag. Be sure to scan the code on the bottom of your water bottle to give clean water to underprivileged communities, track environmental impact and stay hydrated. Fill it. Scan it. Give it. Each cup you fill and scan helps fund water-based projects around the world. Celebrate CASP's 10-year anniversary by filling it forward!

## SUPPORTING OUR FUTURE LEADERS

### Silent Auction

The 2019 Almond Leadership Program participants have already raised more than \$40,000 for the California FFA Foundation through fundraisers and special events! Help us build upon this amount and continue to fund scholarships for high school students planning to attend college with an ag-related major by bidding on unique items at the silent auction.

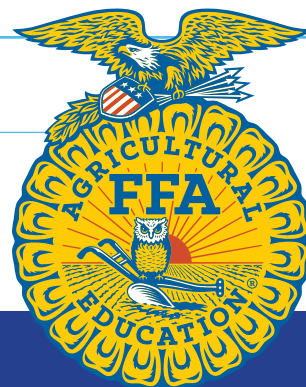


#### TO DATE

The Almond Board of California and Almond Leadership Program have raised nearly **\$150,000** to support FFA students through scholarships and proficiency awards.

## STOP BY AND PLACE YOUR BID

The silent auction will be open from 8:30 A.M.–5:30 P.M.  
**Building D, Tuesday, December 10**  
**and Wednesday, December 11**



Special thanks to the 2019 Emerald Sponsor, JKB ENERGY, for supporting the silent auction.

## Help at The Almond Conference

Each year, multiple California FFA chapters from across the Central Valley volunteer at The Almond Conference to provide a variety of services, including welcoming attendees and scanning attendees' badges as they enter sessions and meals. The students' experience at TAC gives them an opportunity to meet a wide array of individuals who are passionate about almonds, and they learn about the latest industry research and information.

## A SPECIAL THANKS

To the following FFA Chapters for assisting at The Almond Conference:

**Turlock FFA • Woodland Christian FFA • Madera FFA**





# PASSPORT GAME SPONSORS

Each registered attendee at The Almond Conference 2019 will receive an Exhibition Passport Game card, which lists the participating exhibitors and their booth numbers. Attendees must visit the participating exhibitors to get their cards validated. When all spaces have been stamped, attendees will return their cards to the ABC booth #526 in the Pavilion. The first 500 attendees to return their completed passport cards will receive a **California Almonds** hat. Completed Passport Game cards will be entered into a drawing. Winners will be announced at 10:30 a.m. on Thursday, December 12, throughout Building D and the Pavilion. Prizes will be available for pick up at the ABC booth. **Winners need not be present to win.**

• 3P Partners	#2206	• K•Coe Isom	#707
• ABC Booth	#526	• Lincoln Agribusiness Services	#733
• AC Horn	#421	• Napasol	#2205
• Ag Spray Equipment	#2203	• NETZSCH Premier Technologies	#218
• Bayer CropScience	#127	• Satake	#521
• Best Drayage	#2112	• Suterra, LLC	#1638
• Bird Gard, LLC	#1812	• TOMRA Sorting Solutions	#335
• Borrell USA	#327	• Trécé, Inc	#516
• Cablevey Conveyors	#217	• Valent U.S.A.	#621
• Central Life Sciences	#917	• Westbridge Agricultural Products	#1534
• JAX, Inc.	#413	• Wilkey Industries	#320
• JKB Energy	#635	• Yara North America	#627

## PRIZES

- \$1,000
- One-night stay and breakfast for two at the Hyatt
- Two-night weekend stay at Sheraton Grand, breakfast for two, expires 12/20/2020
- One set of four tickets to a Sacramento River Cats (baseball) game during the 2020 season
- One set of four tickets to a Sacramento River Cats (baseball) game during the 2020 season
- One set of four tickets to a Sacramento Republic (soccer) FC Game during the 2020 season
- One set of four tickets to a Sacramento Republic (soccer) FC Game during the 2020 season

**Note:** Winners need not be present to win.



## FFA Almond Photography Contest

For the first time, the Almond Board hosted an FFA Almond Photography Contest. Members of the California FFA organization were encouraged to submit their finest almond photography this fall! The entries were submitted and judged, and are currently on display. **Stop by Building D to check out the entries and winners!**

# All Almonds All The Time

**Growers, huller/shellers, processors - we support all of you!**

**Almond Alliance** is the **ONLY** trade association fully dedicated to protecting the entire almond industry.

**Here are some advantages of membership:**

- Educating members and legislators about important issues
- Providing trainings on current laws and regulations
- Researching important issues and advising members
- Focusing on facts, finding solutions and working collaboratively
- Networking opportunities to build industry partnerships

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BOOTH #526 • PAVILION

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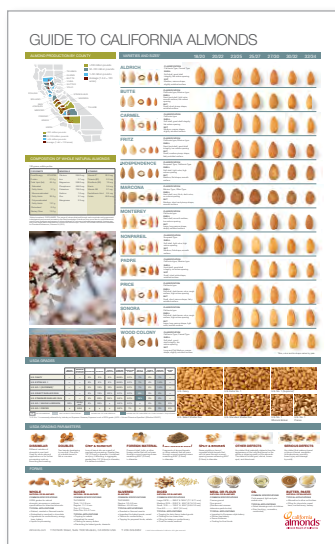
BOOTH #1808 • BUILDING D



## A LOT IS HAPPENING

at the ABC booth this year.

Visit the Almond Board booth #526  
in the pavilion for updated resources.



DECEMBER 8-10

2020

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Booth Sales Desk in Building D.

# MEET & GREET



## VISIT THE 2019 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 develop professionally and as members of

the California almond industry. Participants of the 2019 program will be staffing the ABC Lounge in Building D, as well as representing their **special project posters** during **designated poster session times**!

- Louie Brichetto, **L.F. Brichetto Farming**
- Purnima Gupta, **K&G Ranches**
- Dominique Camou, **Famoso Nut Company**
- Gaby Chavarria, **Harris Wolf California Almonds**
- Dr. Rocky Dhaliwal, **Valley Pride Farming**
- Brian Erickson, **Erickson Orchards**
- Haley Fields, **Ali Cox & Company Marketing**
- Joseph Jackson, **Cross Creek Orchards**
- Fill Munoz, **Grizzly Nut**
- Kristina Qualls, **South Valley Almond Company, LLC**
- Brett Richesin, **Alliant Insurance Services, Inc.**
- Dylan Rogers, **Agro Liquid**
- Lucas Schmidt, **Grow West**
- Victor Thao, **Bank of America Merrill Lynch**
- Jerrett Thomason, **Wells Fargo Bank**
- Connor Wagner, **Wagner Land Company**
- Chandler Wilson, **NutriAg Group Ltd.**



## Apply for the 2020 Almond Leadership Program

**Think you have what it takes to be a leader in the California almond industry?**

Applications for the 2020 Almond Leadership Program are **due by midnight Thursday, December 12.**

Please visit [Almonds.com/AlmondLeadershipProgram](https://Almonds.com/AlmondLeadershipProgram) to learn more about this program and view the application.





---

## Come and Sample: ALMOND BROWN ALE

---

### Stop by:

The Almond Board Lounge in Building D.

### Sample:

Almond brown ale during the Tuesday and Wednesday receptions.

This almond beverage is the result of a special project from Dominique Camou and Lucas Schmidt in collaboration with **Temblor Brewing Company**.

Industry members and attendees are welcome to stop by and have a taste.

### When:

Tuesday and Wednesday evening reception from 4:30–6:00 p.m.

POSTER  
SESSION  
MAP

- 1 **Masters (UCD)**  
Almond Production Cost Studies
- 2 **17-ParikhS-COC-01**  
Biochar from Almond Shells
- 3 **18-GreeneJ-BIO-01**  
Using Shells in Skeet
- 4 **16-AIM-Chiou1**  
Torrefaction of Almond Hulls
- 5 **Q18-BIOM-RZ-01**  
Fermentation of Hull Extracts
- 6 **18-RuanR-COC-01**  
Hulls as Human Food?
- 7 **18-VanderGheynst-COC-01**  
Can Hulls Feed Black Soldier Fly Larvae
- 8 **19-KimW-BIO-01**  
Are Hulls Good Poultry Feed?
- 9 **18-DePetersE-COC-01**  
Survey of Hulls' Use in Dairies
- 10 **18-DePetersE-COC-01**  
How are Hulls Best Used as Dairy Feed
- 11 **18-DePetersE-COC-01**  
Dietary Composition of Hulls
- 12 **18-Boundy-MillsK-COC-01-Hulls**  
Hulls-Yeast
- 13 **18-Boundy-MillsK-COC-01**  
Hulls-Yeast
- 17 **HORT40-Brown**  
Analysis of Windfall
- 18 **HARV1-HARV1A-Coates&Donis-Gonzalez**  
Drying Fresh Harvest Almonds
- 19 **17-MitchellA-01**  
Rancidity Determination of Raw Almonds
- 20 **16-MitchellA-01**  
Stability of Concealed Damage
- 21 **POLL5-VanEngelsdorp**  
Technical Transfer Teams
- 22 **POLL20-Nino**  
Evaluating Cover Crop Benefits II
- 23 **POLL13-Williams**  
Evaluating Cover Crop Benefits I
- 24 **ENTO22-Wilson**  
Cover Crops Impacts on NOW Winter Sanitation
- 25 **ENTO24-Burks/Wilson**  
NOW-Sterile Insect Technique (SIT)
- 26 **ENTO19-ENTO20-Symmes**  
Arthropod Integrated Pest Management, Sac Valley
- 27 **ENTO6-Haviland**  
Arthropod Integrated Pest Management SJV
- 28 **ENTO18-Millar**  
Another Look at Pheromones for Leaf-footed Bugs
- 29 **HORT3-Rijal**  
Evaluation of Mating Disruption for NOW
- 30 **ENTO23-Rijal**  
Brown Marmorated Stink Bug
- 31 **ENTO2-Burks**  
Comparison of NOW Attractants
- 32 **ENTO1-Berenbaum**  
Effects of Altered Lipid Metabolism in NOW
- 33 **POLL18-Berenbaum**  
Effects of Dietary Phytochemicals on Honey Bee Health
- 34 **POLL17-Johnson**  
Effects of Pesticides & Phytochemicals on Bee Health
- 35 **POLL21-Hopkins**  
Cold Storage for Overwintering Bees
- 36 **Q18-AQFSS-18-HarrisL**  
Food Safety - E. Coli Survival
- 37 **18-HarrisL-AQFSS-01**  
Food Safety - Salmonella Genome
- 38 **18-Peggr-01**  
Inshell Shelf Life
- 39 **HARV4-Pan**  
Drying in Hull Almonds
- 40 **HARV2-Pan**  
Developing Effective Drying Methods
- 41 **HARV2-Pan**  
Developing Effective Drying Methods
- 43 **HORT38-Kisekka**  
Advances in Irrigation Management
- 44 **HORT31-Bailey**  
Thermographic Imagery for Plant Water Status
- 45 **HORT28-McElrone&Bambach**  
Water Demand via Surface Renewal
- 46 **PREC9-Shackel**  
Irrigation in Winter?
- 47 **HORT43-Shackel**  
When to Start Irrigating?
- 48 **WATER10-Nico**  
Characterization of Vadose Zone for Recharge
- 49 **STEWCR0P14**  
Can Winter Rice Fields Improve Salmon Survival?
- 50 **STEWCR0P7-Gaudin**  
Cover Crops for Almonds
- 51 **HORT39-Gaudin**  
What Practices Improve Soil Quality?
- 52 **HORT3-Duncan**  
Do Composts Help Almond Trees?
- 53 **PREC7-Khalsa**  
Do Composts Improve Soil Quality?
- 54 **PATH3-Adaskaveg**  
Control of Scab and Alternaria
- 55 **PATH4-Adaskaveg**  
Control of Brown Rot, Jacket Rot, Shot Hole and Hull Rot
- 56 **PATH5-Adaskaveg**  
Management of Bacterial Spot
- 57 **PATH18-Yaghmour**  
Aspergillus' Role in Hull Rot?
- 58 **PATH15-Adaskaveg**  
Management of Phytophthora
- 59 **PATH1-Browne**  
Non-Fumigant Approaches for Orchard Replacement
- 60 **18-Simmons-BIO-01**  
Biosolarization (Soil Fumigant Alternative)
- 61 **HORT3-Gordon**  
Alleviating Replant Challenges Through Nutrition
- 62 **AIR10-HORT3-Culumber**  
Whole Orchard Recycle II
- 63 **PREC3-Holtz**  
Whole Orchard Recycling I
- 64 **AIR8-Kendal**  
Lifecycle Assessment of Almonds
- 65 **STEWCR0P13-Knight**  
Imaging of Sediment Texture for Recharge
- 66 **HORT17-Shackel**  
Almond Water Production Function
- 67 **HORT22-Shackel**  
Tree ET Responses to Water Stress
- 68 **HORT37-Buckley**  
Physiological Model to Time Irrigation
- 69 **HORT42-Buckley**  
The Effect of Early Post-Harvest Water Stress
- 70 **HORT32-Bali**  
Variable Rate Irrigation
- 71 **OTR-HAR-Thorpe**  
Tree Architecture
- 72 **I Battle (IRTA)**  
New Spanish Varieties II
- 73 **F. Dicenta (CEBAS)**  
New Spanish Varieties I
- 74 **M. Wirthensohn (U of Adelaide)**  
New Australian Varieties
- 75 **HORT12-Hanson**  
Herbicide Performance
- 76 **HORT3-Lightle**  
Evaluation of Latex Trunk Paint
- 77 **WATER13-Niederholzer**  
Can Venturi Nozzle Improve Spray Efficacy?
- 78 **AQFS-Siegel**  
Assessing Spray Coverage
- 79 **WATER11-Pourreza**  
Spray Backstop to Reduce Drift
- 80 **19-MichailidesT-AQFSS-01**  
Efficacy of AF36 (Prevail)
- 81 **PATH11-Rizzo**  
Wood Decay Fungi
- 82 **PATH16-Michailides**  
Band Canker
- 83 **PATH12-Trouillas**  
Trunk and Scaffold Disease
- 84 **PATH17-Vanette**  
Bee-Vectored Biocontrol of Brown Rot
- 85 **STEWCR0P3-Dlott-Harris**  
ABC Supply Chain Program
- 86 **HORT34-Sudarshana**  
Genetics of Bud Failure
- 87 **HORT35-Fresnedo-Ramirez**  
Almond Genome
- 88 **A. Fernandez (UCB)**  
Molecular Markers for Almond Breeding
- 89 **HORT1-Gradziel**  
Almond Variety Development
- 90 **HORT10-Gradziel**  
Rootstock Breeding
- 91 **HORT29-Dandekar**  
Disease Resistant Rootstocks Through Cell Culture
- 92 **HORT16-Aradhya**  
Almond Rootstock Development
- 93 **M.J.R.Cebatas (CITA)**  
New Spanish Rootstocks
- 94 **HORT4-Duncan**  
Field Evaluation Almond Rootstocks
- 95 **PATH7-Duncan**  
Search for Armillaria Resistant Rootstocks
- 96 **HORT5-Duncan**  
Tree Spacing, Pruning and Rootstock Selection
- 97 **HORT2-Lampinen**  
Field Evaluation of Almond Varieties
- 98 **HORT33-Lampinen**  
New Germplasm & Orchard Training Systems
- 99 **HORT13-Lampinen**  
Assessments of Canopy Light Interception
- 100 **HORT23B-Drakak**  
Cellular Assessment of Salinity Tolerance Rootstocks
- 101 **HORT23A-Drakaki**  
Root Anatomy
- 102 **HORT20-Brown**  
Salinity & Nitrogen Management
- 103 **WATER12-Brown**  
Boron Management & Remediation
- 104 **PREC6-Harter**  
Evaluating High Frequency Low Dose Nitrogen Management
- 105 **HORT3-Niederholzer**  
Trade-Offs in Cropping 3rd Leaf Almonds?
- 106 **HORT6-Niederholzer**  
Nickels Soil Lab Projects
- 107 **HORT41-Pourreza**  
UAV Based Canopy Profiling
- 108 **PREC1-Bailey**  
3-Dimensional Modeling of Tree Growth & Water Use
- 109 **PREC10-Volder**  
Compilation of Almond Root Data
- 110 **PREC5-Volder**  
Irrigation Management Impacts on Root Growth
- 111 **PREC8-Zwieniecki**  
Tree Carbohydrate Budget
- 112 **HORT3-Fichtner**  
Imaging of Almond Spurs



## POSTER SESSION – PAVILION

1	28	29	56	57	84	85	112
2	27	30	55	58	83	86	111
3	26	31	54	59	82	87	110
4	25	32	53	60	81	88	109
5	24	33	52	61	80	89	108
6	23	34	51	62	79	90	107
7	22	35	50	63	78	91	106
8	21	36	49	64	77	92	105
9	20	37	48	65	76	93	104
10	19	38	47	66	75	94	103
11	18	39	46	67	74	95	102
12	17	40	45	68	73	96	101
13	16	41	44	69	72	97	100
14	15	42	43	70	71	98	99

## POSTER SESSION MAP

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

### TUESDAY, DECEMBER 10

Pavilion Only: 4:30–6:00 p.m.

Featured topics:

- Pollination & Bee Health
- Harvesting
- Food Quality & Safety
- Tree Nutrient Management
- Varieties, Rootstocks & Tree Growth

### WEDNESDAY, DECEMBER 11

Pavilion and Building D: 4:30–6:00 p.m.

Featured topics:

- Pest Management
- Irrigation Management
- Soil Quality (e.g., Cover Crops, Composts, Whole Orchard Recycling)
- Biomass/Co-Products
- Almond Leadership Special Projects (Building D)

## ALMOND LEADERSHIP POSTER SESSION – BUILDING D

1	12	13
2	11	14
3	10	15
4	9	16
5	8	17
6	7	



- Louie Brichetto**  
*Blowaste and Bioplastics, A Future with Endless Possibilities*
- Dominique Camou and Lucas Schmidt**  
*Almond Brown Ale Beer*
- Gaby Chavarria**  
*Shelf Life Study, pH Variation Through Time and Temperature in Almonds*
- Rocky Dhaliwal and Victor Thao**  
*Atmospheric Water Generation and Irrigation*
- Brian Erickson**  
*Producing Biochar from Almond Prunings*
- Haley Fields**  
*Field Notes Podcast*
- Purnima Gupta**  
*End of Summer White Party*
- Joseph Jackson**  
*A New Model for Integrated Pest Management Practice*
- Fill Munoz**  
*Almonds – Shake, Sweep & Eat*
- April Nuckles**  
*School in a Nutshell*
- Kristina Qualls**  
*Aflatoxin: The Road to Better Understanding*
- Brett Richesin**  
*Almond Grower Apprenticeship Discovery*
- Dylan Rogers**  
*High Efficiency Fertilizer Effects on Nitrate Leaching*
- Jerrett Thomason**  
*Financing the 2025 Goals*
- Connor Wagner**  
*Almond Biochar in Rubber Products*
- Chandler Wilson**  
*Working to Identify the Harvest Problem with the Independence Variety*

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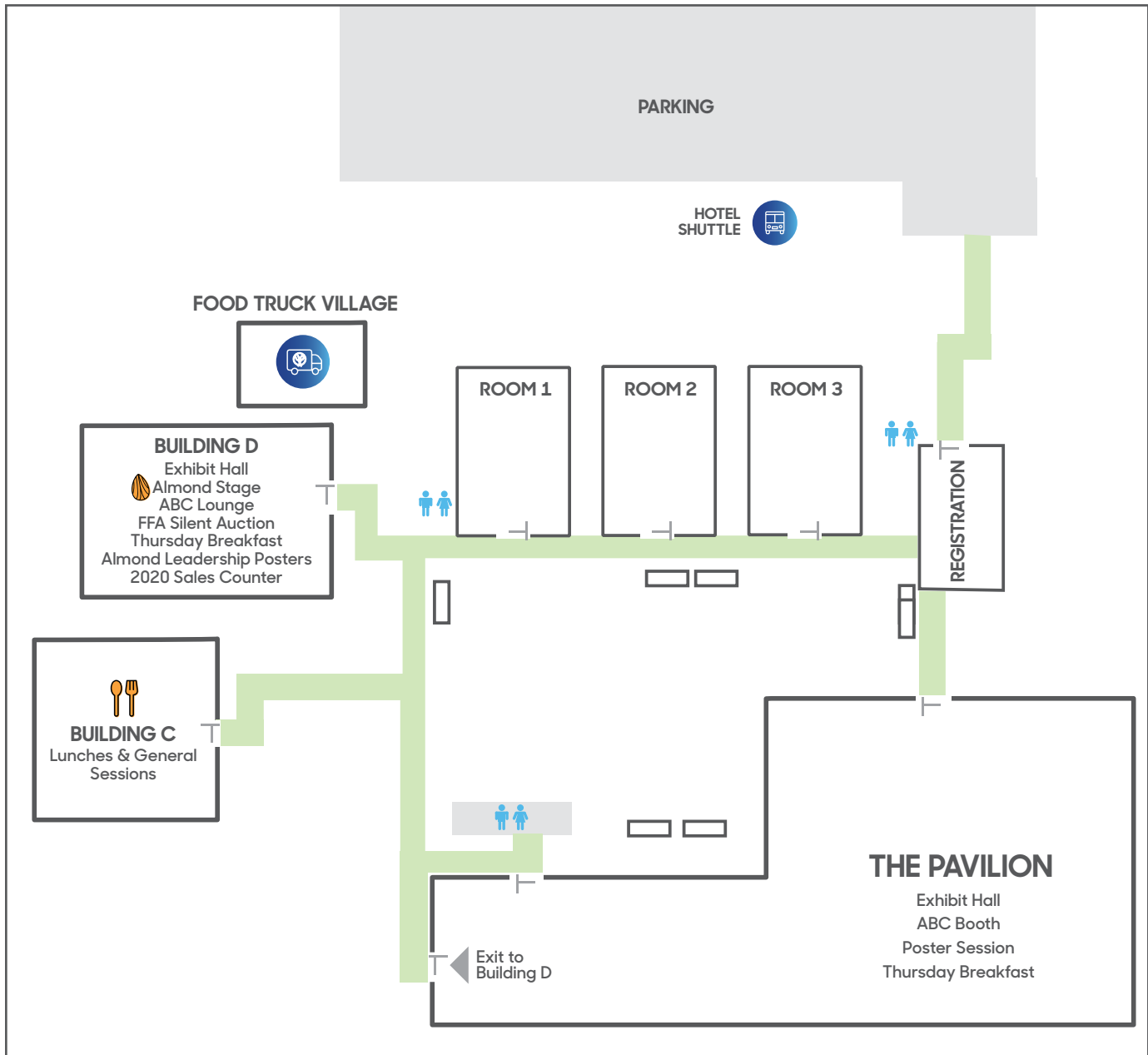




# TRADE SHOW MAPS

## + COMPANY LISTINGS

### CAL EXPO MAP



2020 Almond Conference Exhibit Sales	2201	Chain-Vey, A Division of	2007	K-Coe Isom	707
3P Partners	2206	Modern Process Equipment	933	Kamper Fabrication, Inc.	315
A & L Western Agricultural Laboratories	618	Cleanfix North America	1811	Key Technology	813
AA Millworks	2202	CMA CGM	241	KeyPlex	608
<b>AC HORN</b>	<b>421</b>	Coe Orchard Equipment	801	Kraemer & Co. Mfg., Inc.	401
Acme Scale Company	1914	Conservis Corp	713	Kreyenborg GmbH & Co. KG	708
ADAMA	2110	Converted Organics	1730	Laitram Machinery, Inc.	809
Advancing Eco Agriculture	1903	Corteva Agriscience	612	Lincoln Agribusiness Services	733
Aerobotics	1539	CPM Wolverine Proctor, LLC	1137	Live Earth Products, Inc.	712
AfriKelp USA	2005	Dave Wilson Nursery	213	Lodi Pump & Irrigation	1535
Ag Spray Equipment	2203	Davis Instruments	817	Log5	739
AgCode	2019	Deerpoint Group, Inc.	2207	Magna Bon II, LLC	930
AGERpoint	113	DEG Components	131	Marrone Bio	1335
AgNet West Radio	1904	Delta Technology Corporation	541	Meras Water Solutions	1434
Agrian, Inc.	1915	Design Machine & Manufacturing	201	MHD Group, Inc.	715
Agri-Neo	308	Diamond K Gypsum	139	Michelson Laboratories, Inc.	1906
Agri-Valley Irrigation, LLC	231	Donaldson Company	115	Miller Chemical & Fertilizer, LLC	2010
AgroLiquid	800	Douglas Products	2013	Modern Building, Inc.	905
Agromillora	812	Drought Diet Products	237	Moss Adams	735
AgroThrive Organic Bio-Fertilizers	1813	Duarte Nursery	919	MPA Solutions	105
AGrowth	2102	Dynamax, Inc.	915	Napasol North America	2205
Agworld	2002	Dynamic Coatings, Inc.	109	NASDAQ Global Indexes	716
Air-Cure, Inc.	318	ECO2MIX, Inc.	805	Neogen	2107
Air-O-Fan Products	1337	Exact Harvesting	806	Netafim USA	1438
Almond Alliance of California	731	Exchange Bees	821	NETZSCH Premier Technologies	218
<b>ALMOND BOARD OF CALIFORNIA</b>	<b>526, 1808</b>	Farm Credit	2106	Nichino America, Inc.	927
Amiad Water Systems	301	Farm(x)	412	Nolin Steel	2004
AMVT, LLC	408	Farmers International, Inc.	1637	Nuspark	1039
Antles Pollen	230	FBSciences, Inc.	601	Nutrien	1738
Aqua 4D Water Solutions	1237	Fieldin	1805	NutStar Software, LLC	400
Atticus, LLC	1802	Firman Pollen	216	Orchard Machinery Corporation	641
Baghouse & Industrial		Flame Engineering, Inc./	816	ORO AGRI, Inc.	227
Sheet Metal Services, Inc.	205	Red Dragon Product	808	P2G, Progressive Genetics Group	837
Baicor/Water Right Tech	223	Fleet Tracker, Inc.	721	Pacific Biocontrol Corporation	614
Balchem Corporation	1136	FloraPulse	926	Pacific Coast Resources Corporation	834
Bank of the West	929	Flory Industries	1538	Pacific Distributing, Inc.	1441
<b>BAYER CROPSCIENCE</b>	<b>127</b>	FMC	1639	Pacific Southwest Irrigation Corporation	1905
BeeHero	2006	Food Safety Net Services	300	Papé Material Handling, Inc.	605
Beeler Industries	321	Fowler Nurseries, Inc.	1235	PBM Supply & Manufacturing, Inc.	921
BeeWhere	Table 2305	Fruit Growers Laboratory, Inc.	1902	Pearl Crop	913
Bermad, Inc.	1435	Gearmore, Inc.	2003	Pearson Realty	1911
Best Drayage, LLC	2112	Generic Crop Science	916	Phenix Equipment, Inc.	2011
Bird Gard	1812	Ghazarian Welding, Inc.	209	Phoenix Enterprises	2018
Blackmore/Ellepot USA	2204	GNEX	606	Phytech	613
Blue Mountain Minerals	600	Gowan USA, LLC	1536	Pollination Network	1135
BM&M Screening Solutions, Ltd.	1236	GreenLeaf AG	1138	Polymer Ag, LLC	1339
<b>BORRELL USA</b>	<b>327</b>	Greif Packaging	1241	Precision Canning Equipment	317
Bowsmith, Inc.	718	Grimbleby Coleman CPAs, Inc.	2014	Premier Tech	1341
BPM, LLP	2104	GUSS	619	Premier Trailer Manufacturing, Inc.	141
Brandt	236	Haifa North America	1814	Project Apis m.	Table 2304
Bratney Companies	121	Harmon Systems International, LLC	415	Pumpsight	1134
Bühler, Inc.	341	HeavyConnect	2012	Qcify, Inc.	330
Burchell Nursery	312	Hilltop Ranch	1907	RainBird	604
BW Flexible Systems	709	Hit Products	1041	Rapat Corporation	314
Cablevey Conveyors	217	Hivemind Precision Apiculture	1437	Rears Manufacturing	1736
CalCom Energy	836	Holt AG Solutions	406	Redox Chemicals, LLC	1815
California Agricultural Soilworks/		Hortau-Simplified Irrigation	2114	Revtech Process Systems, Inc.	137
H.M. Holloway	941	IEH Laboratories and Consulting Group	135	Ripon Manufacturing Company, Inc.	737
California Custom Processing	908	Insero-AgOtter	2015	Rivulis	238
California Department of		Insort USA, Inc.	1912	Roscoe Moss Company	208
Food & Agriculture	Table 2303	Intergro, Inc.	831	Rotex Global	705
California Department of		International Wood Industries	405	Rytec	334
Pesticide Regulation	Table 2301	IRROMETER Co., Inc.	918	Sacramento Bag Co.	717
California Department of		JackRabbit	413	Safe Food Alliance	1634
Water Resources-CIMIS	Table 2302	Jain Irrigation	505	San Joaquin Systems	316
CalWest Rain	326	JAX, Inc.	741	<b>SATAKE</b>	<b>521</b>
Central Life Sciences	917	JBT	1537	Saturas USA, Inc.	1806
Ceres Imaging	833	JenJil Packaging	635	Schuil & Associates, Inc.	609
Certified Laboratories	519	JH Biotech	700	Select Harvest USA	417
CGB AgriFinancial	1338	<b>JKB ENERGY</b>		Semios	507
		JSC Agricultural Supply			



Senninger	911
Sensor Development Corporation	932
Sentera	1913
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<b>YARA NORTH AMERICA, INC.</b>	<b>627</b>
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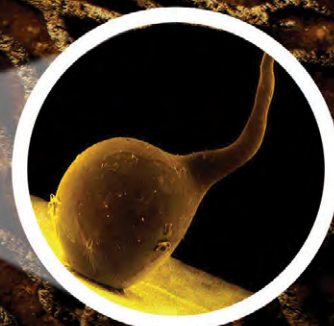
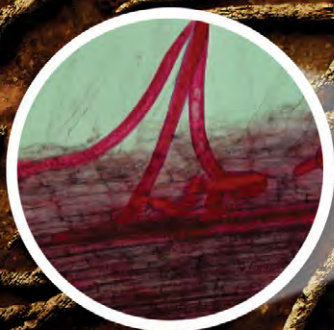




# They may be unseen, but they shouldn't go unnoticed.



## VELUM<sup>®</sup> ONE



Nematodes are the invisible threat to almond orchards.  
Protect your crops from nematode damage with Velum<sup>®</sup> One.

- Protection from wide-spectrum nematode damage.
- Can increase yield 8.3% with an average of \$475/bearing acre<sup>1</sup>
- 58% average increase in canopy diameter in newly planted trees<sup>2</sup>
- Convenient in-season application via chemigation.

For more information, visit [www.VelumOne.com](http://www.VelumOne.com).

<sup>1</sup> Profit increase based on 2017 almond price/lb. and average yield/bearing acres with 8.3% increase in yield versus untreated over three-year trial, per trial data of five locations with a single application of Velum One at 6.5 or 6.85 fl. oz./A.

<sup>2</sup> Velum One applied at 6.5 oz./A, spring 2017, via drip irrigation. Trees planted in January 2017. Increase in green canopy pixels based on an average of two rows of untreated trees compared to an average of two rows of Velum One-treated trees.





Knowledge grows

# Commitment

## Sustainability and quality



Yara is committed to supporting California nut growers in producing the best possible crop. The **myalmonds** crop nutrition solution combines Yara's more than 100 years of knowledge and application competence with the most comprehensive portfolio, including YaraLiva® to fuel quality growth and YaraVita®, delivering specific nutrients exactly when and where the crop needs it.

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**myalmonds**   
by Yara





1150 Ninth Street, Suite 1500  
Modesto, CA 95354  
T: 209.549.8262 | F: 209.549.8267  
Almonds.com

## DAY 1 | TUESDAY, DECEMBER 10

REGISTRATION HOURS:  
7:00 a.m.–6:00 p.m.

EXHIBIT HALL HOURS:  
11:30 a.m.–6:00 p.m.

SESSION HOURS:  
8:00 a.m.–4:30 p.m.

FOOD TRUCK HOURS:  
11:00 a.m.–2:30 p.m.

SHUTTLE HOURS:  
6:45–10:45 a.m. and  
3:30–6:30 p.m.

## DAY 2 | WEDNESDAY, DECEMBER 11

REGISTRATION HOURS:  
7:00 a.m.–6:00 p.m.

EXHIBIT HALL HOURS:  
8:00 a.m.–6:00 p.m.

SESSION HOURS:  
8:00 a.m.–4:30 p.m.

FOOD TRUCK HOURS:  
11:00 a.m.–2:30 p.m.

SHUTTLE HOURS:  
6:45–10:45 a.m. and  
3:30–6:30 p.m.

## DAY 3 | THURSDAY, DECEMBER 12

REGISTRATION HOURS:  
7:00–11:30 a.m.

EXHIBIT HALL HOURS:  
7:30–11:30 a.m.

SESSION HOURS:  
8:30 a.m.–12:15 p.m.

SHUTTLE HOURS:  
6:45 a.m.–1:30 p.m.

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