



almond facts

NEWS, VIEWS, AND INDUSTRY INSIGHT

SEPTEMBER–OCTOBER 2019

Salida Building
Celebration

Fresh Look for
Almond Breeze® UK

Can't-Miss Young
Leader Program





Alion®

Weeds are thieves.
Time to put 'em away.

/// End weed theft from the start. And six months from now. Trust long-lasting Alion®, the foundational herbicide, to give your trees and vines the healthy start they need.

Find out what Alion can do for you at AlionEndsWeeds.com.



Contents



- 8**
FIELD TEAM

- 10**
NEWS IN A NUTSHELL

- 20**
CULTIVATING SUSTAINABILITY

- 24**
CORNERING THE MARKET

- 28**
ADVOCACY REPORT

- 32**
GROWING THE GOODNESS

- 36**
IN YOUR ORCHARD

- 46**
CLASSIFIED ADS

Features

6 President's Corner

President and CEO Mark Jansen addresses the 2018 final crop return, the importance of competition, and how it inspires *Blue Diamond* to raise our performance to achieve success.

10 Ribbon Cutting Ceremony in Salida a Success

Dozens gathered together on a bright, sunny morning in Salida to celebrate the new manufacturing building that stands proud with industry-first technologies.

24 The New Face of *Almond Breeze*® in the UK

Stepping away from the traditional *Almond Breeze*® packaging for the first time ever, the cartons now sport an over-sized almond splashing into a pool of creamy almondmilk.

32 Kelli Evans Gushes on Young Leader Program

Graduate of the 2019 *Blue Diamond* Young Leader Program Kelli Evans explains how the program is a can't-miss opportunity for other young growers and leaders.

ON THE COVER:

Blue Diamond officially opened its new manufacturing building in Salida with a ribbon-cutting ceremony.



▶ BOARD OF DIRECTORS

Dan Cummings, *Chairman of the Board* | Chico

Dale Van Groningen, *Vice Chairman* | Ripon

John Monroe | Arbutle

Kevin Fondse | Ripon

Stephen Van Duyn | Modesto

Charles Crivelli III | Turlock

Dan Mendenhall | Winton

George Goshgarian | Fresno

Kent Stenderup | Arvin

Joe Huston | Monterey

Don Yee | El Dorado Hills

▶ OFFICERS

Mark Jansen, *President and CEO*

Dean LaVallee, *Chief Financial Officer*

▶ ALMOND FACTS STAFF

Samantha DeMelo, *Managing Editor*

Mel Machado, *Contributing Photographer*

Gray Allen, *Advertising Sales*

916.783.4334 & 916.765.3234

Blue Diamond, the world's largest processor and marketer of almonds, exports to 90 countries.

Almond Facts, established in 1922, is published bimonthly by *Blue Diamond Growers*, 1802 C Street, Sacramento, California 95811, phone: 916.442.0771. Address all correspondence to the Editor, *Almond Facts*, P.O. Box 1768, Sacramento, California 95812. Advertising subscription rates provided upon request.

Blue Diamond is a registered trademark and marketing brand of *Blue Diamond Growers*. Other registered trademarks are *The Almond People*, *Smokehouse*, *Golden State*, *Celebration*, *From the Valleys of California*, *Confetti* and *Almond Facts*.

Blue Diamond Growers does not endorse or verify statements made by advertisers within this publication. *Blue Diamond* reserves the right to refuse advertising. All rights reserved. Reproduction in whole or in part without written permission is prohibited.

©Blue Diamond Growers 2019



**FERTIGATE SMARTER
PROFIT
BIGGER**

**WE'LL SHOW YOU HOW
DPG CONTINUOUS FERTIGATION®**

SCHEDULE A CONSULTATION AT DEERPOINTGROUP.COM



Deerpoint Group, Inc.

Let Us Grow Your SuccessSM

800-969-8458



Mark Jansen
President & CEO

2018 Final Crop Return

"I loved to compete and win. I never wanted the other guy to do badly; I just wanted to do a little better than he did." – T. Boone Pickens

T. Boone Pickens, a well-known business magnate, lived his life with a passion for entrepreneurship and a love for America. He passed away on September 11, 2019, but shared his final thoughts in a farewell message inspired by life lessons and key principles for achieving success. Pickens understood the importance of competition and how it inspires us to raise our performance. *Blue Diamond's* success is possible because we continue to think innovatively. We play to win as a core value just like Pickens did.

We are once again proud of *Blue Diamond's* crop return versus others in the industry. *Blue Diamond* remains competitive and diligent in our efforts to increase the value for our almonds and maximize grower returns. In addition to our published return, you must add the value of both the Volume Premium and the Domestic Production Activity Deduction (DPAD) to your overall return. These factors alone can add several more cents to your bottom line. See the final value of the 2018 crop below for a deeper understanding of this successful year.



Variety	Overall Average	Average of High Quality	Maximum Possible
Nonpareil & Sonora Inshell	\$2.79	\$2.82	\$2.84
Nonpareil/Supareil Meats	\$2.65	\$2.68	\$2.72
Independence Inshell	\$2.62	\$2.64	\$2.65
Sonora Meats	\$2.54	\$2.58	\$2.61
Independence Meats	\$2.44	\$2.46	\$2.48
Carmel	\$2.49	\$2.51	\$2.53
Monterey	\$2.39	\$2.41	\$2.44
California/Price/Fritz/Wood Colony	\$2.40	\$2.42	\$2.44
Butte/Padre	\$2.40	\$2.42	\$2.44
Mission/Neplus	\$2.30	\$2.32	\$2.35
Mixed	\$2.07	-	\$2.10
Peerless Inshell	\$0.92	-	\$0.94

Note: The above rates do not include Volume Premiums, Domestic Production Activities Deduction (DPAD) or IC-DISC advantages.

Although the ongoing trade wars drove almond prices down a small amount, it is wonderful to know that almond shipments were at an overall all-time high for the year. While trade with China is down 25 percent and Turkey is down 30 percent, India has become our largest export recipient, receiving 231 million pounds per year which helps make up for the deficit. The U.S. remains our largest market at 731 million pounds a year.

As always, the *Blue Diamond* team was hard at work on behalf of the almond industry. Our federal efforts included securing a second round of Market Facilitation Program Direct Payments and \$3.67 million from the Agricultural Trade Promotion Program. We received \$2.5 million from the Market Access Program, and almonds as an industry received a 10 percent increase in program funds for the first time. We are pleased with these results and proud of what we accomplished together to ensure California almond growers and the industry remain prosperous.

Now in our 109th year, *Blue Diamond's* Annual Meeting in Modesto on November 20, 2019 will celebrate our achievements and outline our plans for continuing success. Mark your calendar and plan on arriving early to learn valuable information at the seminars, walk the exhibit hall, and visit with your *Blue Diamond* team. I look forward to seeing you there as we show you, again, why *the Best is Yet to Come!* ♦



SAVE THE DATE!



109th *Blue Diamond Growers* Annual Member Meeting

WEDNESDAY, NOVEMBER 20, 2019

Modesto Centre Plaza, 10th & K Streets

(Adjacent to the Modesto Doubletree Hotel)

Join us for seminars, lively exhibits, a membership luncheon and business meeting, all celebrating the continued success of *Blue Diamond* and its members.

Regional Managers



Mel Machado
Director, Member Relations
 Cell: 209.531.6352
 Salida: 209.545.6222
 mmachado@bdgrowers.com



Tim Sanchez
 Colusa, Yolo, Solano, Yuba
 and Sutter Counties
 Cell: 530.338.6440
 tsanchez@bdgrowers.com



Christine Ivory
 Tehama, Glenn, and Butte Counties
 Cell: 530.518.9109
 civory@bdgrowers.com



Jereme Fromm
 San Joaquin County West of Austin
 Rd; Stanislaus County North of the
 Tuolumne River, Stanislaus County
 West of the San Joaquin River, and
 North of Patterson
 Cell: 209.596.9520
 jfromm@bdgrowers.com



KC Stone
 San Joaquin County East of Austin Rd,
 South of Hwy 4, North of Stanislaus
 River; Stanislaus County South of
 Tuolumne River, West of Hwy 99
 and East of San Joaquin River;
 Merced County, North of Merced
 River, West of Hwy 99
 Cell: 209.596.5375
 kstone@bdgrowers.com



Brian Noeller
 Stanislaus County South of
 Tuolumne River, East of Hwy 99;
 Merced County East of Hwy 99,
 North of Westside/Bellevue Road
 Cell: 209.417.2010
 bnoeller@bdgrowers.com



Justin Elam
 Merced County from the Merced
 River to Hwy 140
 Cell: 209.303.7306
 jelam@bdgrowers.com



Ernie Reichmuth
 San Joaquin County West of
 San Joaquin River, South of Patterson;
 Merced County South of Westside/
 Bellevue Road; Madera County
 North of Avenue 18-1/2
 Cell: 559.474.2996
 eriechmuth@bdgrowers.com



Mike Griffin
 Southern Madera County South
 of Avenue 18-1/2; Northern Fresno
 County North of Highway 180
 Cell: 559.779.6400
 mgriffin@bdgrowers.com



Michael Grindstaff
 Central Fresno County between
 Highway 180 and Kamm Avenue
 Cell: 559.470.9731
 mgrindstaff@bdgrowers.com



Matt Willson
 Southern Tulare County, South of
 Lindsay Highway; Kern County
 Cell: 559.554.4118
 mwillson@bdgrowers.com



Other Inquiries

Salida Membership Dept.
 Phone: 209.545.6225
 Fax: 209.545.6215

Sacramento Membership Dept.
 Phone: 916.446.8368

2019 Grower Liaison

DISTRICT 1

- Gregory Watts
- Lyle Livingston
- Rick Pittenger
- Brian Erickson **!**
- Fred Montgomery **VC**
- Daniel Varner
- Greg Overton
- Kevin Borrer **!**
- Kevin Davis
- John Nock
- Raymond Antonowich **C**
- Darren Rice **!**
- Dan Cummings ******
- W. Howard Isom *****
- P. Samantha Lewis

DISTRICT 2

- Ron Tadlock
- Catherine L. Cain
- Ronald Timothy
- Analee Lauwerijssen **!**
- Charlie Marsh **C**
- Zach Dennis
- Leo LaGrande
- Sabrina Blickle **!**
- Michael F. Doherty
- Kelli Evans **VC**
- Jim Peart
- Brook Bachmann **!**
- John Monroe ******
- Elaine Rominger *****
- Gerald Rominger *****
- Cathy Marsh

DISTRICT 3

- Joe Rishwain
- Michael Van Groningen
- Stephen Schmiedt
- Garret Mussi **!**
- Kathy Thomsen **C**
- Steve Stanful
- Clayton Bogetti
- Jim Thoming Jr. **!**
- Michael M. Petz **VC**
- Lloyd Van Dyken
- Bruce Oosterkamp
- Mike Bogetti **!**
- Dale Van Groningen ******
- John Thoming **ABA '09**

DISTRICT 4

- Lance Ioppini
- Bob Holmes
- Nick Alta
- Paul Adrian **!**
- Herman Doornenbal **C**
- Tom Christensen
- Karen Javete
- Jason Dole **!**
- Will Drost
- Wesley John Eisenga **VC**
- Robin Giuntoli
- Joe Gasper **!**
- Kevin Fondse ******
- Kenneth Roos *****
- Greg Kamper

DISTRICT 5

- Nick Blom
- Gordon Heinrich
- Jeff Erickson
- Brum DeVisser **!**
- Brandon Riddle
- Mark Giannini
- Dennis Bowers
- Neil Jolliff **! C**
- Jack Hoekstra
- Sonny Johns **VC**
- Sid Miller
- Gary Darpinian **!**
- Stephen Van Dуйn ******
- Neil Van Dуйn *****

DISTRICT 6

- Greg Reichmuth
- Rick Alvernaz **C**
- Allen Peterson
- Patrick Romero **! VC**
- Dirk Van Konynenburg
- David Richmond
- John Hack
- Scott Long **!**
- Richard Gemperle
- David M Genzoli
- Paul Lara
- Darryl Starn **!**
- Charles Crivelli III ******
- Steve Vilas *****
- Bill Brush **ABA '02**
- Tim A. Viera

DISTRICT 7

- Mario Bandoni
- Scott Abraham
- Galen K. Miyamoto **C**
- Joe Sansoni **!**
- Daniel L. Clendenin
- John Pereira
- Rodney Voumard **VC**
- David Passadori **!**
- Jim Snyder
- Victor Yamamoto
- Bobby Deol
- Kevin Hall **!**
- Dan Mendenhall ******
- Robert J. Weimer *****
- Rick Scoto

DISTRICT 8

- George Goshgarian Jr.
- Paramjit Singh
- Joey Biscay
- Norman Pretzer **!**
- Bruce Chapman **VC**
- Gary Thompson
- Baljit Boparai
- Tom Chandler **! C**
- David Massaro
- Jerry Rai
- Anthony Basila
- Dan Wattenbarger **!**
- George Goshgarian ******
- Aldo Sansoni *****
- Ranbir Grewal

DISTRICT 9

- Thom Gruber
- Craig Fulwyley **VC**
- Jeff Parsons
- Gurcharan Dhillon **!**
- Ben Wilson
- Karam Guron
- Jason Dhillon
- Ryan Clark **!**
- David Snell
- John Allen
- Don Davis **C**
- Chris Vandborg **!**
- Kent Stenderup **** ABA**
- Clinton Shick *****
- Kyle Balakian



Ribbon Cutting Ceremony in Salida a Success

Dozens gathered together on a bright, sunny morning in Salida to celebrate the new manufacturing building that stands proud with industry-first technologies. *Blue Diamond* spearheaded the almond industry in its creation of an almond pasteurization line that includes roasting capabilities.

Amongst its many wonderful features, the 52,000 square foot facility was built with future expansion in mind and houses a natural pasteurization processing line with dry roasting, a natural pasteurization processing line for whole almonds, an almond flour processing line, an integrated line to reduce material handling and trucking



costs, and the facility puts the environment's well-being first by being a Cal-Green building.

Just a mile up the road from the Salida campus lies the Valley Children's Hospital, and in the spirit of *Blue Diamond's* love for our community, *Blue Diamond* presented a check to Valley Children's Hospital to support their new Pelandale Specialty Care Center. Dave Hodge Jr., vice president of operations and ancillary service, shared that he was pleased with the partnership and opportunity to be joined with the cooperative in serving the children of the community.

Among many special guests, Bill Lyons, Ag Liaison for Governor Gavin Newsom, and Ripon Mayor, Leo Zuber, gathered around the ribbon as President and CEO Mark Jansen and Chairman of the Board Dan Cummings, cut the ribbon. It was a great morning for *Blue Diamond*, and we are glad to celebrate our collective success while partnering with the good going on in our community. ♦





Salida Celebrates Over Four Million Hours of Workplace Safety

On September 17, the Salida facility was recognized for its commitment to safety and contributions to *Blue Diamond's* success. Rows of tables lined the lunchroom that was packed with hard-working *Blue Diamond* team members as they enjoyed a much-deserved appreciation celebration.

This is what happens when a *Blue Diamond* facility reaches an inspiring four million hours of work without a lost-time accident, which is an extremely rare situation that few businesses ever achieve. Cari Eloffson, OSHA training institute director, attended to thank the team for completing a ten-hour workplace safety training course. The facility was presented with a National Safety Council Award and claimed a coveted spot in the top 20 amongst the thousands of businesses that are part of the council.

President and CEO Mark Jansen gave accolades to the invaluable work the Salida team has accomplished saying, "What I appreciate most is knowing that accidents aren't inevitable. We can find ways to work together and hold each other accountable and stay safe. I hope you realize how extraordinary what you're doing is."

The goal of *Blue Diamond* is for everyone to go home safely every day and Salida is doing a fantastic job at accomplishing this goal. Brian Barczak, Senior Vice President of Global Supply, shared his amazement and

appreciation by stating, "In my 35 years in the workforce I've never seen four million hours of safety. I've seen one and two million, but never four."

As employees filtered out of the lunchroom, each was given a special gift: a jacket embroidered with the *Blue Diamond* logo and "Salida & Oakdale Safety Record: 4 Million Safe Hours." This exciting accomplishment is yet another cause for us to be *Blue Diamond* Proud of our Salida team as they strive for excellence while looking out for one another and giving power to the phrase Zero Harm. ♦



Blue Diamond Investment Program — Current Investment Rate Available as of October 1, 2019

Blue Diamond Growers currently offers members a short-term investment program.

The objective of this program is to serve as a competitive investment alternative for our members and provide *Blue Diamond Growers* with a steady source of funds. The interest rate is effective October 1, 2019 for the program listed at right:

For more information, contact your local Regional Manager, or Member Services at 209.545.6225.

This summary does not constitute an offer to sell or a solicitation to purchase investment certificates. We will provide a package of documents for the programs to those members who are California residents and who express an interest in participating in the program. ♦

	Short-Term Investment Certificate (STIC)
Initial Investment Required	\$1,000
Interest Rate	2.75%

Sowing Into Our Future With Ag Lenders



Blue Diamond hosted three back-to-back ag banker seminars in Selma, Salida, and Yuba City. Over 100 attendees learned what the 2019 crop will look like, saw the threats growers face on a production level, and examined how water issues with the Sustainable Groundwater Management Act (SGMA) are likely to affect growers.

Mel Machado, director of member relations, focused his sessions on analyzed crop projections, limitations, and concerns for the future like water the production process keeping up with ever-increasing demand. Dean LaVallee, chief financial officer, spoke on *Blue Diamond's* value-added business model and how the co-op will produce a superior return for members as it always does.

By educating ag lenders, *Blue Diamond* turns them into advocates for growers by providing in-depth insight into the challenges the industry faces and the victories they often celebrate. Maintaining this partnership is key to the longevity of the almond industry. By giving

lenders information specifically on *Blue Diamond's* performance and providing them with credible industry information, they can make their own assessments of the almond market and see for themselves how *Blue Diamond* stands tall year after year.

Participants had nothing but excellent comments about the education they received on the state of the almond industry and the bright future they see in lending to growers within *Blue Diamond*. "Unlike other co-ops in other industries, *Blue Diamond* continues to not be the base, but what every competitor strives to be!" ♦

Staff from Congressman Ami Bera's Office Advocating for *Blue Diamond*

Colleen Nguyen (Trade LA) and Emma Bruce (Financial Services LA), staff members of Congressman Ami Bera, visited *Blue Diamond* to deepen their knowledge of the cooperative and the almond industry. Bera represents the Sacramento area, making decisions that affect growers, so it was crucial to educate Nguyen and Bruce on the issues that most affect the almond business. They received valuable information to take back to Washington in presentations given by *Blue Diamond* team members. The pair also received a tour of the Almond Innovation Center. Nguyen and Bruce were pleased with their visit and look forward to further connecting with *Blue Diamond* in the future. ♦



Alicia Rockwell, Director of Government and Public Affairs
Alicia Rockwell (center) welcomed Colleen Nguyen (right) and
Emma Bruce (left) to *Blue Diamond*.

Sign Up Today!

2ND ANNUAL SPORTING CLAYS & BOCCE TOURNAMENT

to benefit the Blue Diamond Growers Foundation



NOVEMBER 1, 2019

STOCKTON GUN AND BOCCE CLUB

4343 NORTH ASHLEY LANE, STOCKTON, CA 95215

**Join Blue Diamond Growers for a competitive shoot or friendly game of bocce.
Each participant receives a gift, bbq lunch, and a chance to win raffle prizes.**

To receive more information about sponsorships contact Justin Elam at (209) 303-7306 or JElam@bdgrowers.com.

#WeAreBlueDiamond Snapshots

Every member has a story to tell! During the **#WeAreBlueDiamond** social media campaign, we'll be sharing posts from social media. Join us to make *Blue Diamond* become an even more interesting story. ♦



CEO Magazine Features Blue Diamond

The legacy of *Blue Diamond* is a true success story. *CEO Magazine* recently gave President and CEO Mark Jansen the opportunity to share this amazing story with a feature in their latest issue. The interview highlights the cooperative's determination to grow business through innovation, branding, and market development. It was also a chance to connect the magazine's global readership to the significance of the almond industry, as the almond is an essential nut for countries around the world. ♦



THE MUMMY SHAKE

VIDEO COMPETITION

For the second year in a row, the Almond Board is hosting a Mummy Shake Video Contest! Industry members and their families are encouraged to don their Halloween costumes and break out their best moves to share the importance of winter sanitation through dance and song!

You could WIN 4 tickets to The Almond Conference lunches plus one of the following prizes:

4 Tickets to Disneyland
(one-day, one-park tickets)

\$500 Amazon Gift Card

IT'S TIME TO SHAKE

How To Enter:

- ▶ Create a video with family and friends dancing to The Mummy Shake.
 - ▶ Video must be at least 30 seconds and no longer than the duration of the song.
 - ▶ Entries will be judged based on enthusiasm, creativity and composition.
 - ▶ You have TWO OPTIONS when creating your video:
 - Get Up and Dance:** Don't worry about singing; just get out in the orchard and show us your moves and/or lip-sync the lyrics. We'll add the audio to your video!
 - Sing-Along Style:** Get out in the orchard, play The Mummy Shake video and sing along with the lyrics!
- ▶ Submit your entry in one of two ways:
 - ▶ Upload the video in .MP4 or .MOV form, with your name and email address, to filerequestpro.com/up/mummy-shake
 - MAKE SURE to include the contestant's name and email address in the file name*
 - ▶ Post the video on the Almond Board of California Facebook page with the hashtag #MummyShake.

All videos may be submitted from
September 16 – November 4

Visit bit.ly/MummyShakeRules for more information.

Honey Pumpkin Pie with Almond Flour Crust & Vanilla Almond Breeze®

Cook Time: 1 hour 10 minutes

Chill Time: 2 hours

Difficulty: Medium

Makes: 8 servings

Ingredients

Almond Flour Pie Crust:

- 2½ cup *Blue Diamond* blanched almond flour
- ⅓ cup sugar
- ¼ tsp salt
- ¼ cup butter, melted
- 1 large egg
- ½ tsp vanilla extract (optional)

Filling:

- ⅔ cup *Vanilla Almond Breeze®* Almondmilk
- 1 can (15 oz.) pumpkin puree
- ½ tsp salt
- 1 tsp pumpkin pie spice
- 4 eggs
- ¾ cup honey

Topping:

- Whipped cream
- *Blue Diamond* Salted Caramel Almonds, coarsely chopped



Recipe credit: *Blue Diamond*

For the Crust:

1. Preheat the oven to 350°F. Line the bottom of a 9" round pie pan with parchment paper or grease well.
2. In a large bowl, mix together the almond flour, sugar, and salt.
3. Stir in the melted butter with vanilla then add the egg and stir until well combined. The "dough" will be dry and crumbly. Just keep mixing, pressing and stirring, until it's uniform and there is no dry almond flour left (you can also use a food processor to mix it all).
4. Press the dough into the bottom of the prepared pan and flute the edges; if it crumbles, just press it back together. Using a fork, carefully poke holes in the surface to prevent bubbling.
5. Bake for 10–12 minutes until lightly golden. Add filling only after pre-baking.

For the Filling:

1. Beat the filling ingredients with an electric mixer on low speed in a large bowl until well-mixed.
2. Pour into pre-baked crust.
3. Cover edges of crust with strips of foil to keep from overbrowning and bake 50–55 minutes or until knife inserted 1" from edge comes out clean. Cool completely (about 2 hours).
4. Top with whipped cream and *Blue Diamond* Salted Caramel Almonds for a sweet and salty crunch. Store in refrigerator.

GIVING TUESDAY

TUESDAY, DECEMBER 3, 2019

For many, our FFA jacket still remains adorned with pins and ribbons, tucked away for safe keeping. They proudly display not only the highest office achieved, but the wear and tear reflective of the experience! Unfortunately, not all California FFA members can afford a jacket to share in that experience.

To meet this need the California FFA Foundation and Blue Diamond Growers will be participating in #GivingTuesday on Tuesday, December 3, 2019.

For every \$75 received, a jacket and tie/scarf will be gifted to a California FFA member who may not otherwise be able to afford one. Blue Diamond Growers will match your donation, up to 200 FFA jackets.



GIVING TUESDAY BY THE NUMBERS!

1,646
JACKETS GRANTED
and students impacted through
Giving Tuesday, since 2016.

Since 2016,
\$123,450
TOTAL RAISED
by Giving Tuesday.

OVER 92,0000
CA FFA MEMBERS
who share the same experience,
pride and passion.

338
FFA
CHAPTERS
throughout California.



For more information or to sponsor a jacket, visit:
WWW.CALAGED.ORG/GIVINGTUESDAY

CALIFORNIA FFA FOUNDATION

209.744.1969 | P.O. BOX 186 • GALT, CALIFORNIA 95632

FLORY

LEADING THE WAY IN NEW TECHNOLOGY
PRESENTING THE **MULTI-PURPOSE...**

FLORY ST14 SHUTTLE TRUK



Standard features include...

- Next generation air-cab with 180° swivel seat
- Updated controls and operator comfort
- ½" Shatter resistant orchard glass
- Service brake for quick powerful stopping
- Cruise control for consistent ground speed
- LED headlights and tail lights with high-low beam for improved road safety
- Easy engine and DEF access
- Rubber isolated cooling package with reversing hydraulic fan
- Service friendly

YEAR ROUND USES



Air-O-Fan Sprayer



Flat Bed



Nelson Hardie Sprayer



Herbicide Sprayer

TRADITION - INTEGRITY - SERVICE - CRAFTSMANSHIP

Since 1936

Flory Industries, Salida, CA 95368 USA 209-545-1167

See all our products at goflory.com

Watch the video on ShuttleTruk.com



GO CLEAN
GO EFFICIENT
GO FLORY



goflory.com

Call Your Local Dealer Today!



Bennett

Bennett-Hickman
US PP26,083 P3

Get Nonpareil Pricing on 100% of your Crop!

Available for 2019 Delivery

All The Best Rootstocks

Hansen · Krymsk 86 · Brights Hybrid 5 · Nemaguard · Empyrean 1
US PP16,272 (cv. Arthur V) US PP18,782 P3 Clonal



Nonpareil



Bennett-Hickman
US PP26,083 P3



1-800-GRAFTED

1555 Baldwin Rd Hughson, CA 95326 www.duartenursery.com sales@duartenursery.com

Blue Diamond Growers does not endorse or verify statements made by advertisers within this publication.

Bridging the Gap Between the Many Definitions of Sustainability



Over the past several years, there has been much talk about sustainability. It has become quite the buzzword. But what does it really mean?

The New Oxford Dictionary defines sustainability as “the ability to be maintained at a certain rate or level or the avoidance of the depletion of natural resources in order to maintain an ecological balance.” My 65-year-old mother believes sustainability is the ability to be self-sufficient, while my 16-year-old nephew thinks it is something that can keep going or the ability of his Papa to pass his third-generation farm down to the next.

Rebecca Dennis, Grower/Member Relations Manager for North State Hulling, feels sustainability is “growing better for the future,” while *Blue Diamond* grower Kelli Evans defines it as “to preserve our land’s health so the next generation can continue to farm and feed the world.” I asked two of my college friends, who are now mothers and weekly purchasers of *Blue Diamond* products, what sustainability means to them. One responded, “utilizing

resources in a way that attempts to preserve and sustain for the next generation,” while the other believes it is “a system or process that can continue to function without the assistance of the support that brought it to life.” I think the best way to define sustainability is the practice of being economically viable, socially responsible, and environmentally sound.

Sustainable almond farming utilizes production practices that are economically viable and are based upon scientific research, common sense, and respect for the environment, neighbors, and employees. The result is a plentiful, healthful, safe food product.

— Almond Board of California

Since everyone has a different definition of sustainability, it is important to find common ground and what that means to you as a *Blue Diamond* almond grower. So why should you care? Your family has been farming for generations and you belong to a co-op that has existed for over 100 years. I struggled with these questions when my stepfather’s family farm when dealing with our first sustainability audit over 14 years ago. It took me a long time to wrap my head around it and even longer to explain to my stepdad. After about 28 questions, the auditor asked if we dry-farmed and that we would get “bonus points” for that. I laughed and asked, “don’t you know, we farm in California?” He apologized and said that of course he did, but this audit is inclusive for all growers that supply to the company no matter where they might be in the world.

The auditor asked more questions about greywater, child labor, fair pay, burning of trash and even employee bonus structure. When the audit ended nine hours later, we never wanted to hear the word “sustainability” again. We were in disbelief at how intrusive the questions were and why such things would be asked. Who could possibly care if our employees received a bonus, how much energy we used per ton of each commodity grown, or if we recycle our oil?

In the 1920s, my stepdad's grandfather came to the United States and bought the family ranch. He passed it to his son, who then passed it down to his four sons. What better way to be sustainable? Yes, our employees get bonuses. We have helped our foremen buy their own land and send their kids to college. No, we don't use greywater. Several of us had no idea what that was and many of us pay a high price for the water we do use, which is tested regularly. We also pay for the pumps and wells and irrigation systems that supply that water. Of course we recycle our oil and can provide receipts. I know we probably have not calculated how much energy we use per ton grown, but energy is expensive. We only use it during non-peak hours to ensure the most efficient use. We also installed solar where we could.

In 2019, the same questions and many more are being asked. It is necessary to find ways to share our sustainable practices without going through the audit my family had to so many years ago. Many *Blue Diamond* customers

are asking similar questions and require answers before buying our products. Every *Blue Diamond* grower has a sustainable story to share and strives to be economically viable, socially responsible, and environmental stewards of their land. In most cases, grower practices are not documented. Unfortunately, it is coming to the point where we must supply them with the data.

Participating in the California Almond Sustainability Program can do just that! *Blue Diamond* is working with the Almond Board to utilize this valuable program.



Christine Ivory,
Regional Manager,
Blue Diamond Growers

Farming in the 2 Percent, Speaking to the 98 Percent

Why should growers participate in a program like the Almond Board's California Almond Sustainability Program (CASP)?

Why should we have to share and even justify how we grow our crops and what practices we use? And why on earth should we allow people we don't even know to have a glimpse into our livelihoods?

Because farming responsibly and sharing that responsibility story has never been more important — and ultimately, we all have a bottom line to meet.

I grew up in a time when you knew just about everyone in your community. You knew where they lived and what they did for a living, how many acres they farmed and even how many cows they milked. I imagine it was the same for many of you reading this article.

The familiarity we all share in agriculture is unique. Years ago, most of our nation's population was directly involved in production agriculture or, at most, was one generation removed from that vocation. People understood what agriculture



was and the challenges involved. Their familiarity with farming produced a trust in the food they purchased in their local grocery store; questions like “what farm did this come from?” were unheard of.

Here’s the problem today: Unfamiliarity has bred contempt, or at least suspicion, and the belief that farmers are not farming in the “right way.” The general perception of factory farms, combined with increasing stresses on the resources

we use to produce our crops, have created a situation where consumers are beginning to ask questions about the food they consume, questions beyond their food’s health benefits (or lack thereof).

People are very interested in what they eat and what’s used to produce it. Just consider the popularity of shows on the Food Network and the Farm to Table Movement. Consumers want to know more about their food, who grows it and how it is grown.

At *Blue Diamond* we have worked to capitalize on that consumer desire by including our grower-owners in our advertisement campaigns. By showing actual almond growers in social media posts, TV ads, and beyond, we’re working to make a strong connection between our growers and our customers. In addition, many of you may not know that we regularly take our customers out into the orchard to meet growers and learn how they are growing almonds. While these efforts are helping us connect with our customers, a broader understanding of the California almond industry is needed to capture the full picture of what we do in our orchards every day.

After considering several options, *Blue Diamond* determined that participation in the Almond Board’s California Almond Sustainability Program (CASP)

Rooted in Innovation...

HYBRID ROOTSTOCKS

<p>Krymsk[®] 86 (USPP #16277)</p> <ul style="list-style-type: none"> • Superior anchorage • Adapted to heavy & wet soils 	<p>Hansen 536</p> <ul style="list-style-type: none"> • Good anchorage • Vigorous & drought tolerant
<p>Bright's Hybrid 5[®] (USPP #18782)</p> <ul style="list-style-type: none"> • Vigorous & drought tolerant • Nematode resistant 	<p>New Varieties Available</p>

Fowler NURSERIES, INC.

Call Us Today!
(800) 675-6075
FowlerNurseries.com
Newcastle, CA

Blue Diamond Growers does not endorse or verify statements made by advertisers within this publication.

provided the easiest, most efficient opportunity to gather the information we need to provide as a summary to our customers. Those buyers and customers are placing increasing demands on us to provide information regarding our growers' sustainable and environmentally responsible practices.

This year, we've asked growers to commit to participating in CASP by completing just three of the nine CASP modules:

- Pest Management
- Irrigation Management
- Bee Health and Pollination

Of course, anyone who wants to complete all nine modules is more than welcome to do so — and quite a few of our growers already have.

The questions in each module ask growers about the various practices used during the year to establish their orchards and produce their crop. The beauty of it is there are no right or wrong answers. Possible answers to a question may include:

- Yes, I do that.
- No, I used to do that but don't anymore.
- I've never done that but would like to learn more about it.

As you can see, the answers are pretty harmless. And if you answer by saying you haven't initiated a certain practice, CASP provides you with tools and information to help you take that next step towards continuous improvement. ◆



Mel Machado,
Director of Member Relations
Blue Diamond Growers

What does Blue Diamond get out of you completing these modules?

By confirming *Blue Diamond* as your handler and by choosing the "opt-in" button in CASP, we get a report showing the aggregated data of all *Blue Diamond Grower* participants. This means we receive an aggregated summary of all responses, not the specific answer provided for each question. For example, if 65 percent of *Blue Diamond* growers use micro-irrigation, then that percentage is reflected in the report. This data gives us an opportunity to tell your great California almond story to our customers and consumers across the globe. It also lets us know what in-orchard practices and technologies you would like to learn more about.

What do you get out of CASP?

Participating growers receive a report of all their answers, which includes information on how their practices compare to all other almond growers in the program throughout the state. Additionally, the CASP program provides access to three valuable tools that growers will find helpful: the Nitrogen Calculator, Irrigation Calculator, and an Irrigation and Nitrogen Management Tool (INMP) intended to help growers satisfy regulatory reporting requirements. Several of our members who have enrolled in CASP have said that completing the modules made them think more critically about their practices and that their participation made them better farmers by opening their eyes to things they hadn't previously considered.

A century ago, 30 percent of Americans lived on farms. Today, that number is less than two percent. It's time to connect the two percent with the 98 percent. California's almond growers have an opportunity to prove to their consumers that they are leaders in sustainable agriculture. I believe that CASP is the best way to get there.



The New Face of *Almond Breeze*® in the UK

Almond Breeze® revealed a fresh, new look to its fans in the United Kingdom. Stepping away from the traditional *Almond Breeze*® packaging for the first time ever, the cartons now sport an over-sized almond splashing into a pool of creamy almondmilk. The redesign was created with the next generation of almondmilk drinkers in mind while increasing the devotion of current customers.

Ian Greengrass, managing director for Europe, had some exciting words to share about the unveiling. “We believe that our new packs are perfectly placed to attract a new pool of consumers, as well as increase purchasing among our existing customers. We’re extremely excited about these new designs and we hope our consumers feel as positive about the change as we do.”

Global consumers have a rich appreciation for the unique integrity and value of *Blue Diamond Almonds*. Greengrass explains, “our research showed that our customers really love the fact that we grow our own almonds and have done so for over 100 years! We have grower families dating back four generations, so we’re immensely proud of this rich heritage and wanted to celebrate the wonderful nut which our growers are so dedicated to — this new design does just that.”

The redesigned *Almond Breeze*® packaging was made available in Tesco, Sainsburys, Waitrose, Ocado, and ASDA grocery stores in August. We’re proud of this successful reveal and look forward to the *Blue Diamond* brand widening its reach to eager customers all around the world. ◆

Blue Diamond Receives Skyline Award for Almond Protein Powder Launch Campaign

Blue Diamond's Almond Protein Powder launch campaign — represented by Chicago-based marketing firm, CBD Marketing — received recognition from the Public Relations Society of America (PRSA), Chicago. Blue Diamond's entry earned a prestigious Skyline Award. These annual awards are decided based on excellence in four areas: planning/content, creativity/quality, technical excellence, and results.

The almond protein powder launch is an integrated campaign involving paid, earned, and owned media components. Earned media began early and is still going strong.

Thus far, the campaign has resulted in the following:

- 1 million+ earned media impressions
- Hundreds of sample requests or additional information requests in two months
- Over 50 online and print PR placements in highly influential trade publications
- Products containing Almond Protein Powder now appearing in retail

Since the Chicago Chapter of the PRSA is one of the largest in the country, with hundreds of agency and organizational members, this makes it an even more exciting win for Blue Diamond! ♦



The most **Versatile & Adaptable** ROOTSTOCK

Bright's Hybrid[®] 5 (cv ArthurV) USPP# 18.782P3

Salt Tolerant

■ High pH Tolerance ■ Mid-size Hybrid
■ Nematode Resistant ■ Well Anchored

info@ **p2g.us.com**

P2G[™]

Bright's Nursery 1-209-389-4511
DUARTE TREES & VINES 1-800-472-3833
Fowler Nurseries, Inc. 1-800-675-6075
SG Sierra Gold Nurseries 1-800-243-4653

Almond Breeze® TV Commercial Blows into Brazil and Mexico

Continuing through the year's end, *Blue Diamond Growers* — with the aid of Agricultural Trade Promotion (ATP) Funding — will produce its first television advertising campaign in Brazil and Mexico. We are in the early stages of development for the brand in these markets, which we launched in May 2018 and February 2019, respectively. Non-dairy beverages have gained a six to 11 percent annual growth rate in both countries. This, paired with the fact that most of the drinks being introduced are not almondmilk, we know it is the perfect moment for *Almond Breeze*® to make a grand entrance. The commercial was filmed partly at Chamisal Creek Ranch in California and partly in Brazil, then adapted with the right languages and packages to suit the proper audience.



Thus far, with the assistance of our local partners, we have achieved strong national distribution and sales growth since *Almond Breeze*® was launched. With this in mind, *Blue Diamond* will continue to develop the brand in these markets. Growth has been rapid, and we anticipate that this campaign will expand brand awareness and gain exposure to a broader, newer audience.

Since international markets are much smaller than the U.S., television advertising costs tend to jump above the budget. But *Blue Diamond* is utilizing matching government funds available under ATP, making this

one-time campaign a reality for the cooperative. We anticipate a 300 percent increase in the reach of *Almond Breeze*® to our target audience, which will lead to increased sales shortly after. ATP is helping us make an important investment in strategic, high-impact television advertisements which will have a lasting impact on the future of *Almond Breeze*®.

Watch the commercials:

Brazil: www.bluediamondalmonds.com.br

Mexico: www.bluediamondalmonds.com.mx ◆

BUILDING SUCCESS

ORDER NOW
LIMITED QUALITIES



OVER 1.5 MILLION TREES SOLD

- Self-Fertile
- Early and heavy production. One harvest!
- Easy to shake
- Blooms and harvests with or slightly ahead of Nonpareil
- Blanches well, great sweet flavor
- Well sealed shell, semi soft
- Beautiful light and smooth kernel. Monterey or Carmel type.

Put the **Burchell Difference** to work for you today, building a better future for you, your family and your business.



© 2019 The Burchell Nursery, Inc.



BURCHELL NURSERY

burchellnursery.com 800 828-TREE



Blue Diamond Growers does not endorse or verify statements made by advertisers within this publication.

Almond Industry Continues to Prove Resilience

The 2019 legislative year for California was eventful and as such, the almond industry continues to prove its resilience. The Almond Alliance team worked hard this session and successfully rallied key partners to fight for the best legislative outcomes. We educated, advocated, and fought key pieces of legislation and policies that would have harmed the California almond industry. While the Almond Alliance follows hundreds of bills each year, below is a summary of high priority bills the Almond Alliance engaged in this year.

AB 5 (Gonzalez) Worker Status: Employees & Independent Contractors

AB 5 (Gonzalez) codifies the decision of the California Supreme Court in *Dynamex Operations West, Inc. v. Superior Court of Los Angeles* (2018) which presumes a worker is an employee unless a hiring entity satisfies a three-factor test. The bill provides few exemptions from the test, which include individual insurance agents, individual licensed health care professionals, registered securities broker-dealers or investment advisers, direct sales salespersons, real estate licensees, workers providing hairstyling or barbering services, and those performing work under a contract for professional services.

AB 5 is especially damaging for trucking owner-operators, among other business entities who wish to remain independent. The three-prong “ABC” test that designates employee status in the legislation provides no flexibility for independent haulers who happen to work for or with companies, such as truck brokers, whose primary business is trucking.

Governor Newsom signed AB 5. However, this fight is not over.

Many lawmakers who cautiously put up “aye” votes are dissatisfied with the outcome of AB 5. While the author of the legislation denied many exemption requests, others were provided with temporary relief (e.g., newspaper carriers, fisherman, and manicurists). The agriculture and business community will be back at the table next year, pushing to fix the issue for trucking owner-operators to be classified as independent contractors.

SB 1 (Atkins) California Environmental, Public Health, & Workers Defense Act of 2019

SB 1 (Atkins) sought to lock in place the clean water, air, and labor law that existed on January 19, 2017, the day before President Trump took office. The bill would also be set to expire January 2025, when President Trump would be scheduled to leave office after a second term.

However, hours after its passage, Governor Newsom publicly announced he would be vetoing the legislation. In a statement, the Governor said he, “supports the principles behind SB 1 to defeat

efforts by the President and Congress to undermine vital federal protections that protect clean air, clean water, and endangered species. However, the bill does not provide the state with any new authority to push back against the Trump Administration’s environmental policies, and it limits the state’s ability to rely upon the best available science to protect our environment.”

Opponents of SB 1 warned that, if passed, the legislation would upend years of collaborative efforts to develop voluntary water agreements between the state and federal government on water conveyance in the Central Valley Project and the State Water Project. Subsequently, this would utilize outdated methods of operation that do not acknowledge “best science” in making critical decisions.

SB 1 is currently on the Governor’s desk, pending a signature or veto. SB 1 is opposed by various agriculture groups, water agencies, and the business community. All advocates involved are aggressively requesting a veto of the legislation, regardless of the Governor’s public statement.

AB 1080 (Gonzalez)/SB 54 (Allen) Solid Waste: Packaging & Products

AB 1080 (Gonzalez) and SB 54 (Allen) are identical bills that would enact the California Circular Economy and Plastic Pollution Reduction Act. The legislation would require producers to achieve a 75 percent reduction in single-use packaging and single-use products by 2030. The bills provide broad authority to Cal Recycle, which includes fees, penalties, emergency rulemaking, and reporting from all producers, retailers, and wholesalers.

Neither measure was brought up for a vote and are now considered two-year bills. Both bills can be acted upon as early as January 2020. The agriculture industry will be working with both authors during the fall interim. The industry's goal is to come to a reasonable solution that achieves the authors' intended outcome of the legislation while preserving the value and importance of food packaging.

It was a busy year for the California Legislature and the Almond Alliance. As an organization, we remain committed to ensuring that, despite these challenges, future generations of almond growers will continue to farm and flourish in California. As always, I invite you to contact me at etrevino@almondalliance.org if you have any questions about legislation or policies at the State and Federal levels. ♦



**Elaine Trevino,
President & CEO,
Almond Alliance
of California**

**FOR EVERY PHASE
OF NUT PRODUCTION...**

WE'VE GOT YOU COVERED!



HARVESTERS



SELF-PROPELLED

**Eligible for the
LOW-DUST
Nut Harvester
Replacement Program
by the San Joaquin
Valley Air Pollution
Control District**



SWEEPERS



CARTS



CONDITIONERS



SPRAYERS

**R.O.P.S.
Certified**



E-CABS

FOR MORE INFO,
PLEASE VISIT
EXACTCORP.COM
OR CALL
209.544.8600



CALL US TO GET
YOUR 2019
HARVEST DEMOS
SCHEDULED



ROTATOR® FULL COVERAGE IRRIGATION FOR ORCHARDS



R5

9 - 29 GPH



R10

0.3 - 0.7 GPM



R10T

0.6 - 2.1 GPM



R2000

0.7 - 3.5 GPM

REQUEST A FREE
ORCHARD SPRINKLER
KIT & LITERATURE



INFO@NELSONIRRIGATION.COM

S7

NEW! S7 SPINNER
for one-sprinkler-per-
tree systems provides
flow regulation at low
pressure and quick-
clean, quick-connect
technology.

NELSONIRRIGATION.COM

Stick Removal Cart



BOSP 816 Cart



Rear Discharge Door



The **KCI SE2 Shuttle Express**



Front Discharge Door



Front Discharge Door

All Bankouts and Shuttle Carts are available with dirt chain!



SC 816 Shuttle Cart



2018 **HS Honda Conveyor**



4036 DLRA Self Propelled Duetz Conveyor



BD 8105 Nut Cart



2018 **HS Honda Conveyor**



BO 816 Bank Out Cart



KCM 614G Spreader



KCI-Schmidt
40190 Rd 36 Kingsburg CA 93631-9621
Phone 509.897.3642 Fax 509.897.6291
Toll Free 1.800.508.3229
sales@kci-mfg.com
www.kci-mfg.com



Make your next move
your best move.

Protecting against almond bloom diseases. To beat an opponent that is constantly evolving, you need a strategic game plan – one that capitalizes on your enemy’s weaknesses and fortifies your orchard against whatever move bloom diseases make. Get proactive with Scala® at pink bud and follow with Luna® at bloom through post-bloom to counter when diseases are strongest. Together, you have a game plan for effective resistance management and bloom disease protection for a winning season.



/// Learn more at
LunaScalaGamePlan.com.



Kelli Evans Gushes on Young Leader Program

Graduate of the 2019 *Blue Diamond* Young Leader Program, and 3rd generation almond farmer, Kelli Evans, explains how the program enhanced her participation in the cooperative and how it is a can't-miss opportunity for other young growers and leaders. As a member of multiple co-ops, Evans wished to understand why and how *Blue Diamond* is different and what she could expect for her future as a *Blue Diamond* grower-owner. Her experience excited her for what's next in the almond industry.

During the winter session, which was held in Sacramento, Evans finally realized the magnitude of her role in the cooperative. She, and every *Blue Diamond* grower, plays a critical part in maintaining momentum in the industry. She produces the crop and *Blue Diamond* works hard to use her crop to dive into new markets while continually expanding on existing ones.

The summer session brought her and the other young leaders to the Salida campus where she was awestruck to witness the fascinating processes. The facility tour gave her a fresh perspective on her work as a grower going beyond the orchard and into the plant. Many growers don't get the opportunity to see what happens to their crops after harvest, and Evans wishes every one of them could. This provided insight and gave her a new appreciation for each team member's hard work. It came as no surprise to her that *Blue Diamond* is a coveted co-op to build a lifelong career with.



Kelli Evans joins fellow Young Leader Nevin Eberhardt-Sandstrom in a meeting with Congressman Jim Costa.

Kelli was one of two *Blue Diamond* young leaders who traveled to Washington D.C. for what she describes as "one of the most amazing things I will ever do in my life." She attended meetings and seminars and met with Congressmen and numerous representatives to discuss trade and her personal farm. An invaluable portion of her trip was the meetings she attended where she spoke about her livelihood with those making federal decisions that would affect her and the almond industry as a whole. She was thrilled to be truly heard and encouraged

“ It was amazing to see how state-of-the-art Blue Diamond Growers is. The attention to detail when it came to quality of product and safety was out of this world. I can really see why we have employees that have been with us for 20 or 30 years. ”

— Kelli Evans

to continue to speak up on her own behalf and for other farmers. *Blue Diamond* has made a global name for itself, and our government wants to hear from us!

In order to make our voices louder in D.C., Evans encourages every *Blue Diamond* grower to donate to the Political Action Committee. With laws in place restricting where funds can come from, personal donations are the way to go. She also says, "*Blue Diamond* does an amazing job at stretching our dollars. They would like to receive at least \$25 from each grower a year. If everyone gave \$100, we could really shake things up."

Her unparalleled experiences with the Young Leader program have created a real advocate in Evans. Even though she has been farming for 14 years, there was

“We would not be such a successful industry if we didn’t have this co-op and we need to make sure the next generation knows that and knows how to preserve their family legacy that they have built.”

— Kelli Evans

still much she gleaned from the program and she found extreme value in the emphasis on networking. She encourages every grower under age 40 to be part of it. As the orchards continue to pass from generation to generation, each young farmer needs to be educated on



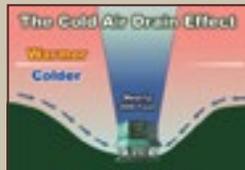
JACK RABBIT

PROTECT YOUR INVESTMENT



Prevent Frost Damage with the **Cold Air Drain**

The Cold Air Drain selectively extracts cold air in low-lying, frost prone accumulation areas and expels it up to 300 feet above the inversion layer.



Contact Us Today for a FREE Frost Analysis!

Control rodent population with the **CO-Jack**

Protect your investment from rodent damage with the safe, efficient and effective CO-Jack carbon monoxide delivery system



Highly visible white smoke enables you to detect and plug connected openings

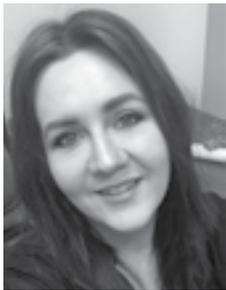
Contact Us Today for More Information.

471 Industrial Ave. • Ripon, CA 95366 • 209.599.6118 • www.jackrabbit.bz

what makes *Blue Diamond* stand head and shoulders above all other co-ops. It is also crucial for them to learn the vital role *Blue Diamond* plays in the almond industry and pricing.

Along with almonds, Kelli also grows rice and walnuts with her father and brother. She runs her own consulting company called Evans Agricultural Consulting Inc. where she works with farmers statewide to obtain funding for equipment upgrades, installation of water-efficient irrigation systems, and limiting GHG emissions. She also works with equipment dealers to help customers switch to low dust equipment for almond and walnut harvest.

Evans serves as director of the Yuba-Sutter Farm Bureau Board and the Sutter County Resource Conservation District Board. She is a very involved member of *Blue Diamond Growers* where she is District 2 liaison vice chair. She is a past Almond Board Leadership member and a current *Blue Diamond* Leadership Member. At home she enjoys hiking and exploring with her husband and two young children. ♦



Jillian VanTassell,
Communications Intern,
Blue Diamond Growers



Maritime™ Brings New, Revolutionary Biological Extraction Technology to Specialty Crops

Loveland, Colo. — Nutrien Ag Solutions, the largest global ag retailer, introduces Maritime, a revolutionary kelp-based extract which can help restore soil health, raise nutrient uptake and reduce the effects of abiotic stress.



Maritime improves seedling response to drought stress and is designed for use with specialty crops such as almonds, grapes, citrus, strawberries, broccoli, lettuce and more.

Unlock Maritime's innovative plant nutrition technology by contacting your Nutrien Ag Solutions crop consultant or visit GetMaritime.com for more information.



Nutrien
Ag Solutions

ABOUT NUTRIEN AG SOLUTIONS:

Nutrien Ag Solutions™ is the retail division of Nutrien™, the largest crop inputs company in the world. We provide full-acre solutions through our trusted crop consultants at more than 2,000 global locations. For over 150 years, we have helped growers achieve the highest yields with our proprietary brands: Loveland Products, Inc., Proven® Seed and Dyna-Gro® Seed, plus financial, custom application and precision ag services. Connect with us at NutrienAgSolutions.com.

© 2019 Nutrien Ag Solutions, Inc. All rights reserved.

SPONSORED CONTENT



YOUR MICRONUTRIENTS NEED TO DO THEIR JOB. THAT'S WHY IT'S NUTRISYNC OR NOTHING.

Grow your best acre this season with a micronutrient that works as hard as you do.

NutriSync mobilizes nutrients to areas of peak demand for a healthier, more productive crop. With 13 ready-to-grow micronutrient formulations, the NutriSync family of products has the perfect blend of highly concentrated nutrition your crop needs most.

-  **LOAD:** NutriSync loads premium micronutrients into the plant.
-  **HAUL:** NutriSync hauls nutrition to key areas of the plant.
-  **DELIVER:** NutriSync delivers nutrients to where the plant needs it most.

NutriSync
Nutrition on the Move

CONTACT YOUR NUTRIEN AG SOLUTIONS CROP CONSULTANT TO BUY NUTRISYNC.

See field trial data at NutriSyncYields.com.

THE BEE BOX

Beekeeping Updates

This year has been quite challenging for the nation’s beekeepers. It all started with a cold, wet spring in the almond groves and the vast majority of colonies took much longer than usual to catch up from the slow start. As a result, both colony size and quality coming out of almonds were affected. On average, colonies were two frames of bees smaller than previous years at the same time. More alarmingly, colonies also showed signs of European Foulbrood (EFB), a bacterial infection and Chalkbrood, a fungal infection, with greater prevalence than usual. These signs sometimes occur early in the season and with more frequency in wet spring years, but they usually clear up with the first good nectar flow. This year however, many colonies limped along and were still showing signs of the diseases late into the season, as late as August for some beekeepers. It may be important to note that in addition to the weather conditions this year, increased uses of fungicides in almonds could have compounded the effects on colonies and partly be to blame for the EFB outbreak.

Perhaps as a result of these issues, and maybe a small silver lining, Varroa populations have been fairly low throughout the season, although we do expect them to spike this fall. Some beekeepers have enjoyed a good honey crop, particularly in parts of Montana, but everyone remains vigilant and apprehensive to see how colonies will fare through the coming months in preparation for winter.



(Photo at left) Tech Transfer Team member Ben Sallmann, sampling in Idaho in August 2019; (Photo at right) Idaho Apiary, August 2019.

What is There for Bees in Other States?

I accompanied the Pacific Northwest Tech Transfer Team member, Ben Sallmann, on a sampling trip to Idaho and Montana. I was struck by what this state has to offer honeybees and their beekeepers. It is no wonder they call it the “gem state.”

Idaho Agriculture

According to the Idaho State Department of Agriculture, 20 percent of the state’s gross product comes from the agricultural sector and is the single largest contributor to its economy. They produce 185 different agricultural commodities, including their famous potatoes, which accounts for one-third of the U.S. total production, but I was surprised to find that they grow so much more. They also produce wheat, barley, and they are the second



Overt signs of European Foulbrood (EFB), a bacterial infection. Note the larval discoloration.



Distorted and melting larvae, distinct signs of EFB.



Overt signs of Chalkbrood, a fungal infection. Note the “brie cheese” appearance of the larvae.

Independence[®] self-fertile almond

Patent #20295

**ONE shake
ONE harvest
NO BEES.**



**Independence[®] blooms with Nonpareil &
is harvested 2 to 3 days before Nonpareil.**



**Discuss the advantages of Independence[®]
self-fertile almond with your sales rep today!**



**209-874-1821
800-654-5854
www.davewilson.com**

largest producer of sugar beets in the nation. Admittedly, those crops don't hold much value for bees. However, Idaho's production of a variety of seeds, irrigated alfalfa hay, onions, oilseeds and mint, to name a few, are of great interest for our favorite pollinator.

Idaho prides itself on the quality of their vegetable seeds, notably carrot, onion and turnip seeds along with a wide variety of oilseeds including canola, safflower, sunflower, rapeseed, mustard and flax which are all visited by honeybees. And the mint, oh the mint! Currently 17,000 acres of mint are planted to produce two million pounds of mint oil per year. I will never forget driving on the Idaho country roads, picking up the scent of mint with the work truck windows closed, only to open them wide and breath in deeply.

What does this all mean for bees and beekeepers? Well, Idaho is home to 124,000 registered honeybee colonies and offers good forage along with stunning views. Commercial beekeepers have reported some loss of bee forage in the past few years in favor of the increasing production of sugar beets, but overall, Idaho remains a hospitable place for bees.

Blue Diamond Growers does not endorse or verify statements made by advertisers within this publication.



Idaho Apiary, August 2019. Although the forage on this photo seems pretty scarce, there were good “shake outs” (fresh nectar in the frames) and bees were finding nectar sources nearby.



Colonies assessed and tagged for year 1 of Shed Trial.

Indoor Wintering

Idaho beekeepers, along with some North Dakota beekeepers, were the first to winter colonies indoors. While some built themselves indoor wintering facilities, other beekeepers started by renting potato sheds for the cold season. Many beekeepers report good results using sheds, but the scientific evidence on the matter has been lacking up to now.

Part of the reason for my special trip to Idaho was to assist Ben in setting up a two-year trial in collaboration with Dr. Brandon Hopkins from Washington State University (WSU) to study “Colony health and survivorship of overwintered colonies in sheds and the impact of Varroa mite populations and viral loads during brood interruption in mid-season cold storage.” Colonies from two operations from Idaho and Montana, each will be split into three groups, those that will be wintering in indoor storage facilities, outdoors in the North, and outdoors in California. Stay tuned for updates on this exciting study.

Overall, beekeeping in Idaho is an important activity. Perhaps less conspicuous than other well-known beekeeping states, it still remains a major contributor to the U.S. beekeeping industry. I can only hope that Idaho preserves its crop diversity and continues to provide bees with great forage. ◆



This variety of pollen colors attest for the diversity of forage in the surrounding area.



Anne Marie Fauvel,
The Bee Informed Partnership,
Tech Team Coordinator

NEW

Navel Orangeworm Control!

Mating disruption product for conventional and organic California tree nuts!!

THE THIRD FLIGHT IS HERE & HULL SPLIT IS UPON US!

IT'S NOT TOO LATE!™



Navel Orangeworm, *Amyelois transitella*



- Up to 80% or more potential reduction in damage vs. current insecticide program
- Season-long control through post-harvest
- Easy application with ready-to-use carrier pack
- No moving parts, no batteries, no gummy deposits
- Removal not required

CIDETRAK® NOW MESO™

MATING DISRUPTION PRODUCT
FOR NAVAL ORANGEWORM IN
ALMONDS, PISTACHIOS & WALNUTS



Contact your local supplier and order now!

Visit our website: www.trece.com or call: 1-866-785-1313.



Made in the USA

© 2019, Trécé Inc., Adair, OK USA • TRECE, PHEROCON and CIDETRAK are registered trademarks and TM is a trademark of Trécé, Inc., Adair, OK USA • TRE-1578, 7/19

TIME TO CONSIDER

With harvest easing up, early fall (late September and October) can be a time for reviewing what worked and what didn't work for the 2019 crop while starting to prepare for 2020. Hopefully, this can all be done at an easier pace than growers and PCAs/CCAs have known since bloom.

Irrigation

Almonds need adequate irrigation up to leaf drop. The cooler, shorter days in the fall mean mature orchards use less water per week. Orchard water use (ETc) in October is, on average, around half of what was used by a mature orchard in July. This means irrigation sets can be shortened or done less frequently depending on your system and soil.

Fall is a good time to maintain your irrigation system. Don't start next season with an irrigation system that needs a tune up; test your system's irrigation water distribution uniformity (DU) as well as cleaning and flushing the entire system. "Maintaining Microirrigation Systems," UC ANR publication no. 21637, is an excellent resource on drip and micro-sprinkler system maintenance. This booklet is available for \$20 at anrcatalog.ucanr.edu or from your local UCCE office. Nothing is more important to successful almond production than proper irrigation, and that starts with a well-maintained irrigation system.

Nutrition

Post-bloom to leaf drop, the nutrition focus is on foliar applications of zinc and boron where needed. Adequate amounts of these micro-nutrients are



critical for proper budbreak and nut set in almonds.

Autumn is the easiest and safest time to nourish trees with these essential nutrients in time for bloom. As always, be mindful using boron, as too much is toxic. Check harvest hull analysis results to see if additional boron is needed. Generally, low boron is an issue in certain regions (for example, east sides of both Sacramento and San Joaquin Valleys) where soil and irrigation water are often low in boron. Zinc is an issue in most

almond growing regions. Areas of the west side of the San Joaquin and Sacramento Valleys can have high boron in the soil and irrigation water.

Zinc deficiency produces slow, uneven bud break, and shortened shoots with small leaves. Leaf sample results are often very high, but not useful, when fungicides containing zinc are used. Annual or every other year fall zinc sprays can maintain good orchard zinc nutrition. Research in peaches (closely related to almonds) showed that low rates of

zinc sulfate (five pounds per acre) sprayed on the leaves in October delivered at least the same amount of zinc into plant tissue as a high rate (12-plus pounds zinc sulfate per acre) sprayed in November. The low rate doesn't harm leaves, while higher rates (10–20 pounds per acre) can defoliate trees.

When needed, a fall boron spray can deliver a significant yield boost the following year. For example, a fall foliar boron (three pounds Solubor® per acre) spray consistently improved almond yield by 300 to 400 kernel pounds per acre per year over untreated controls at Nickels Soil Lab (Colusa County low soil boron and low boron irrigation water) over two years (1996–1997; Meyers and Edstrom). For less than \$10 per acre in boron fertilizer (not counting application cost), grower gross income increased roughly \$1,000 per acre, at nut price equals \$3 per pound. Many different boron fertilizers are effective, but be sure that 0.4 to 0.6 pounds of actual boron per acre is applied. When combining zinc with polyborate (Solubor®, Borosol®) acidify the solution (pH=5) to avoid an incompatible mix. Boron fertilizer applied in the fall doesn't reach the flower buds in time for bloom.

Orchard boron status determines how much boron is needed. Hull analysis results of less than 80 ppm boron means a boron deficiency and a fall boron spray is needed (0.4 to 0.6 pounds of actual boron

per acre in the fall or at pink bud). Orchards with 80 to 150 ppm hull boron may benefit from foliar boron before full bloom even at boron levels up to 200 ppm but use a low rate (0.2 pounds of boron per acre). At hull, if boron is greater than 200 ppm, no benefit is expected from boron fertilization and hull boron above 300 ppm. This would prove toxic. More is not better with boron; applying more than 0.4 to 0.6 pounds of boron per acre before bloom proved to reduce yield in UC experiments.

Fall application is my preferred treatment timing. Applying boron at full bloom can reduce yields, even at the recommended 0.4 to 0.6 pounds of boron per acre rate. Pink-bud timing varies across varieties, so a pink bud spray on one variety may mean hitting another at full bloom and possibly reducing yield on that variety. On top of that, there is the question of risk to bees when including boron with bloom fungicides. Fall application ensures that all trees in a planting will get the same rate of boron well ahead of bloom.

Back to Your Roots

Using the new Mid-Row Ripper from Schmeiser

The twin ripper is equipped with patented vibrating winged shanks. Soil structure breakout is unmatched by any conventional ripper.

*"It's the new best way for planting orchards and vineyards, period."
- John Duarte of Duarte Nursery*



Manage your Root Zone using the new Mid-Row Ripper.

- 4X Better Soil Breakout
- Water Savings and Enhanced Drainage
- Superior Mixing of Amendments in the Root Zone

Better Root Zone Management from

T. G. SCHMEISER®

1-800-288-8128 • www.tgschmeiser.com

Almonds will move boron from leaves to flower buds, so fall application is effective, while boron must be applied directly on blooming walnuts and pistachios.

Finally, almonds remove roughly 0.2 pounds of actual boron per 1,000 pounds kernel crop (hulls, shells, and kernels), so adding 0.2 to 0.6 pounds of boron per acre each year should not increase orchard boron status in a high yield orchard.

What about nitrogen and potassium in the fall? These essential nutrients are less of a priority in the fall. With the crop gone, there is little tree demand for large amounts of potassium or nitrogen before leaf drop in well-managed blocks with adequate summer leaf nitrogen and potassium levels. This is particularly true by October and once leaf drop starts, tree nutrient uptake essentially stops.

By the time you read this article, for most well-managed orchards, the time for any benefit from post-harvest nitrogen fertilization has passed. In a three-year study in Colusa County, September or October applications of 30 to 60 pounds of nitrogen per acre did not improve yield the following year. The trial orchard had summer leaf nitrogen levels in the adequate (2.5 to 2.6 percent) range and was not defoliated with a high rate of zinc sulfate foliar fertilizer in the fall. If an orchard has had a big crop and summer leaf nitrogen levels are on the low end of sufficient (2.25 to 2.35 percent nitrogen), adding

some fall nitrogen (less than 50 pounds of nitrogen per acre) may have some value. The real “go time” for nitrogen in almond orchards is late February and early March to late May and early June.

Fall application of dry potassium fertilizer, often banded on the soil surface along the tree row, is a common practice in many almond orchards throughout California. Rates range from 75 to 250 pounds K2O per acre depending on soil cation exchange capacity (CEC). The more clay or organic matter in the soil, the higher the CEC and the more potassium can be held over winter without leaching losses. On lighter soils with less than 15 meq per 100 gm soil, consider managing potassium fertility with a light rate of dry potassium in the fall or early spring plus in-season potassium fertigation. There are many liquid potassium fertilizers that can be injected with irrigation water from March through June. All soil-applied dry potassium fertilizer should be placed on the soil surface regularly wetted by the irrigation water. During the irrigation season, most root activity occurs in the wetted zone.

Since CEC is critical to efficient potassium fertilization, you must know where and how to discover the CEC for a particular field. Soil CEC for a particular soil sample is determined by lab testing, but a quick look at general soil CEC in the area is available at casoilresource.lawr.ucdavis.edu/gmap/, a free collaborative resource from the

UC and USDA National Resources Conservation Service (NRCS).

Pruning

Especially for young trees (1st and 2nd leaf) where big cuts near the crotch are often made, relative to the tree size, prune in dry weather and protect cuts with Topsin-M® fungicide or Topsin-M® + Rally® before rain. If those cuts get infected by canker pathogens (*Botryspæria*, *Cytospora*, *Eutypa*, *Phomopsis*, etc), tree damage can be extensive.

Season Review

With leaves still on the trees and the details of the season fresh in your mind, now is the time to review important practices from the past season and make notes to use in planning for next year. This can be done in partnership with your PCA/CCA or in-house.

Nut Damage

Navel Orangeworm (NOW) has been on the rise. To get the best sense of nut damage level in your orchard and the source of that damage, start with huller/processor grade sheets for reject levels. Also realize that actual damage and crop loss is at least two times higher than your processor reported reject levels. Crack out the harvest samples you took and froze earlier in harvest. Note the percent damage and source. Google “harvest sample almonds” to link to UC IPM, Sac Valley Orchard Source and The Almond Doctor posts on processing

harvest samples. Check with your *Blue Diamond* representative regarding the harvest sample services offered to members. Consult with your PCA regarding what worked or didn't work and plan for the new crop.

Take a Hike

A slow walk through the orchard in the fall gives growers, managers, and PCA/CCAs a chance to evaluate each block for shoot growth and vigor, stick tights and hull rot, weed control, disease symptoms, salt build-up symptoms and, if right after irrigation, areas where water ponds or runs off after irrigation. It is important to note problem areas in each block so special attention can be given to those areas. If tree health varies across an orchard, there may be ways to improve return per acre by addressing the variability. First, you have to know where it is.

Weed Survey

During the post-harvest survey, take note of new weeds in the orchard or on the field edges. Are there weeds growing where you know a solid herbicide program was applied? An orchard is a long-term project and gradual changes in weed populations can creep up and become major problems without good monitoring and record keeping. A form for late fall weed survey is available at ipm.ucanr.edu/PMG/C003/almond-fallweed.pdf. PCAs as well as UCCE farm advisors and specialists can help with weed identification.



Complete Line of Quality Nut Harvesting Equipment



Magnum X Harvester

-  Fewer Moving Parts
-  Easy Maintenance
-  High Resale

MORE HARVEST PROFIT
AT A LOWER COST

- Self-Propelled Harvesters
- P.T.O. Harvesters
- Self-Propelled Air Cab Sweepers
- Self-Propelled Sweepers
- Tractor Mount Sweepers
- P.T.O. Blowers



Weiss McNair

NUT HARVESTING EQUIPMENT

100 Loren Avenue, Chico, CA 95928
 (530) 891-6214 | Fax (530) 891-5905 | www.weissmcnair.com



Cover Crops and Winter Vegetation

To assist in bee pasture, water infiltration and groundwater recharge, and added nitrogen and/or overall soil health, consider planting a cover

crop somewhere on your ranch before Halloween. Consider a test plot of one or more cover crops if you haven't previously planted one. Current research information on cover crops in almonds is at



thealmonddoctor.com/2019/06/30/cover-crop-research-almonds. Information on choosing a need-based cover crop is found at: sacvalleyorchards.com/almonds/horticulture/cover-crop-seed-selection. To help slow and clean up field runoff, shut off herbicide sprayer booms at the ends of the rows, allowing natural vegetation (anything not planted as a cover crop) to grow on the perimeter of the orchard.

Orchard Removal and Planting

Take nematode samples before removing trees as early as one to two years ahead of tree pulling. The

nematode analysis, plus a history of the site (previous crop/rootstock, etc.) and soil texture help with the fumigation decision. In David Doll's Sept-Oct 2018 "Time to Consider" article, he provides a helpful table of orchard conditions and fumigation options.

Take soil samples to find out if the root zone soil pH needs to be adjusted up (add lime) or down (add sulfur), along with major nutrient availability, particularly phosphorus and potassium. Testing for salt (EC) and specific toxic ions (boron, chloride, and sodium) will help determine the need for gypsum and

potential issues to keep in mind. If the organic matter level is low, many growers add compost at this time. Spread amendments and inputs prior to site preparation.

Carefully prepare the soil and site — you only get one chance per planting. Deep ripping or backhoeing and excavating to at least 36" to break up compacted zones is recommended followed by discing or harrowing to aid in root removal and soil smoothing. Where the site is flat, grade to allow runoff to one or both ends of the orchard rows to reduce or eliminate water ponding and saturated soils. Berms,

islands, or mounds provide elevated planting positions keeping the tree crown above any saturated soil. If you plant rootstocks sensitive to Phytophthora such as peach seedling (Nemagard or Lovell), any peach x almond hybrid, Viking™, or Atlas™. This extra cost/practice can pay off in one winter by helping manage crown rot.

Looking Forward into the Winter:

- Block out time on the calendar for dormant spur sampling beginning in November. In almonds, this practice is primarily to see if a dormant or delayed dormant scale treatment is needed. Details at ipm.ucanr.edu/PMG/CO03/m003dcdmtspursmpl.html
- As soon as harvest is finished, prepare your shakers for mummy shaking (sanitation) to reduce overwintering Navel Orangeworm numbers and eliminate “spring housing” for this damaging pest. Late bad weather (fall or winter) may limit orchard access for big chunks of time, so be ready to go when you can. If you use custom shakers, line up shakers for mummy shaking.
- Line up hives for next year. The 2019 bloom was a reminder of the need for good, strong beehives. Consider finalizing your 2020 pollination contract soon and, if you don’t already, include language related to hive strength in the contract to ensure you get strong hives. If you wait for a “better deal” closer to harvest, you may not get the hives you want.

Best wishes for a productive and restful fall. ♦



Franz Niederholzer,
UCCE Farm Advisor,
Colusa and Sutter/Yuba Counties

Fan-Jet® Microsprinklers

Add a Fan-Jet® line to existing dual line drip



Why?

- Annual frost events?
- Fan-Jets can help provide frost protection by raising the ambient temperature by 2-3 degrees.
- Salt build up problem?
- Fan-Jets will allow you to push salts down and away from the root zone.
- Problem pushing pre-emergents into your soil?
- Fan-Jets will help your pre-emergents penetrate the soil.

BOWSMITH®

Quality & Trust Since 1974

Tell your dealer you want Fan-Jets.
Contact us at 1-800-BOWSMITH
or www.bowsmith.com

SOLID STAINLESS STAPLES



- **6", 8" and 10" Length**
For Safe and Secure Drip Line Placement
- **Grade 316L**
Resists Corrosion from Acidic Water & Fertilizers in All Soil Types
- **Reduce Labor**
One Time Install compared to Using Plain or Coated Staples
- **Save Money**
Avoid Constant Hose & Fitting Repairs



PAYNE MACHINE & FABRICATION LLC

Sales: Jennifer (661) 746-6242
jpayne381@aol.com (661) 203-5544

WANTED

3-axle Dump truck with steel sides (diesel)

Call (209) 614-2632

WANTED

Used walnut chain for Johnson pickup machine

Call (209) 838-2108

WANTED

1930-36 cars or pickups and 1932 Ford pines winterfront grille insert also 1930-1934 Ford running chassis.

Call (925) 872-0980

FOR SALE

- Flory 850 with Flory transfer cart \$40,000.
- 2 Weimer super carts \$750 ea.
- 1 Weimer Elevator \$500.

All field ready. Contact Robert Chad at (209) 761-2690 or robertchad421@gmail.com

FOR SALE

Walnut stakes, 3/4", 10' long, used sucker rod, pallets of 10 or 200 up to 5600 available. \$2.50 each, Escalon area.

Contact (209) 652-5164

FOR SALE

Flory Almond pickup machine 210, Ingels Sweeper, Almond and Peach trailers, Almond Roller, Brush fork, Lift for Bins, Levee Maker, Ridger,

Windmill top 6 ft diameter, Propane tank, Model B Case Tractor circa 46-50, Long Camper shell, and hose pull with sled.

Call Ann (209) 632-4346

FOR SALE

Tree Stakes for Almonds. 1000's of used steel stakes to keep your almond trees growing straight:

- 3' @ 75 cents each
- 4' @ \$1.00 each
- 5' @ \$1.25 each

Please call (209) 969-0526

FOR SALE

Flory sweeper model 7630 hours 1377

Please call Howard Martin at (209) 522-7858

FOR SALE

(2) Johnson's pickup machines, \$5,500 each or reasonable offer

Call (559) 485-9496

FOR SALE

Amarillo Gear Head with PTO shaft — rated 60 hp

\$1,500. Used very little.

Call (209) 620-4924

FOR SALE

- R & L Easy lift Elevator. 10' Height 12" cups. In pieces. FREE!
- Jessee 500 Air leg 32" belt, no motor. FREE!

- 11ft. Orchard float w/ Hydraulic wheels CALL for pictures and pricing.
- 4 Stage sizer, good condition. \$4,000
- 60 H.P. Sturdavent Shell Fan with motor. Complete. \$1,500

Contact Ron Piazza at (209) 678-0788

FOR SALE

OMC Shaker Mono Boom Walnut Pattern \$350

Raymaker Almond Elevator Chain fits 3 models 9500, B36, 318 series like new \$3,250

For more information call (559) 779-4888 or (559) 485-9496

FOR SALE

2008 8 Channel Satake Ultrascan. \$60,000

- Includes platform, Infeed dump hopper, Anex C-style bucket elevator with 50/50 split buckets
- Stainless steel hopper over chutes has been modified to prevent plugging and bridging of product
- Machine is currently set for 2 passes (4 channels each) and can be run as a single pass (8 channels)
- Walnut Setting (can be converted to Almonds)

Please contact Nina at (209) 609-6689

FOR SALE

2004 Wiess Bankout Cart w/bump valve.

New tail chain. Good condition.
\$12,500

For more information, call Don at
(209) 202-4184

FOR SALE

2200 lb./hr. almond hulling plant. Two lines, Fadie huller and separator deck with three air-legs. Pre-cleaner 15 ton/hr. with midstate pre-cleaner, H8 Foresberg de-stoner, and Agsco de-twigger. Complete with pit, elevators, cyclones, and 190 ft. hull auger. Sell all or part. Open to offers. Contact Gale Langum at (209) 612-4830.

FOR SALE

- KCI bank out cart - \$13,000
- KCI drive over elevator - \$8,500
- KCI dump cart - \$5,000

Contact Ian at (559) 286-5709

FOR SALE

Beautifully restored to original 1931 Ford Roadster Pickup, \$18,000 or best offer.

Call (925) 872-0980

FOR SALE

Almond Orchard — Stanislaus County: \$1,950,000

43-acre Oakdale Ranch. Desirable young almond orchard planted in 2014 NP/Carmel/Aldrich

Oakdale Irrigation District Water + Ag Well. Multiple parcels with 2,361 sq. ft. ranch home.

Contact Century 21 MM Jeff Titus at (209) 844-1759. List #18052742.

FOR SALE

Complete walnut hulling plant. 5 ton live bottom pit. 50 tons of drying.

Contact (209) 810-4440

FOR SALE

2004 John Deere Backhoe, Model 310G, Ext. hoe, 4 in 1 front bucket, aux hydraulics, 1432 hrs, light use, ready to work. \$24,000.

Call (209) 482-7769

FOR SALE

REARS 500 gallon Power Blast sprayer with 33" fan. Purchased in 2016 new. Used 13 times. Maintained per manufactures recommendations. Asking \$20,000 OBO.

Call (209) 604-7444

FOR SALE

1 x 4 x 8' DF tree props bundles of 200. \$50.00 ea.

1 x 4 x 10' bundles of 200. \$60.00 ea.

Barn stored in Merced. Call Dan at (209) 777-3292

Free listings in this section are for the exclusive use of Blue Diamond members.

Classified ads for personal use — not as an additional means of advertising commercial ventures members may own. Ads are limited to a maximum of 10 lines and may be submitted to *Blue Diamond* regional manager or the editor at:

**Editor: Blue Diamond Growers
P.O. Box 1768, Sacramento, CA
95812**

**Or contact Samantha DeMelo at:
Phone: (916) 446-8353
Email: sdemelo@bdgrowers.com**

Unless advised otherwise, ads will run two consecutive issues. To guarantee placement, classified listings must be submitted by the 10th of: January, March, May, July, September & November.

FOR SALE

- Tractor trailer, 10'x6'-6". 22.5 tires. Crank up ramps. \$4,500
- Enviromist Sprayer. 6'-6" spray band. Brand new. Never used. Cost \$2,500. Sell \$1,250.

Call (209) 537-9491. Ceres.



BLUE DIAMOND GROWERS

1802 C Street
Sacramento, CA 95811

PRESORT
STANDARD
U.S. POSTAGE
PAID
SACRAMENTO, CA
PERMIT NO. 694

OMC
STRONG ON PARTS AND SERVICE

ORCHARD MACHINERY CORPORATION
www.shakermaker.com

Shockwave Sprint
Series VI
174hp 4.4L Caterpillar T4 Twin-Turbo Diesel
Tree Seeker automated shaker technology

Shockwave Monoboom

Aftershock CC-350LP

Aftershock AR-400

Aftershock AR-450

TREE SEEKER
PAT. & REG. U.S. & CANADA

Yuba City 2700 Colusa Hwy Yuba City, CA 530-673-2822	Chico 2384 Dayton Rd Chico, CA 530-892-2822	Modesto 4207 E. Ceres Rd Ceres, CA 209-669-2522	Firebaugh 1529 N Street, Ste B Firebaugh, CA 559-659-0200	Tulare 5200 Tex Dr Tulare, CA 559-688-2081	Shafter 30715 San Diego St. Shafter, CA 661-746-7232	 Follow us!  @OMCshakermaker
---	--	--	--	---	---	---