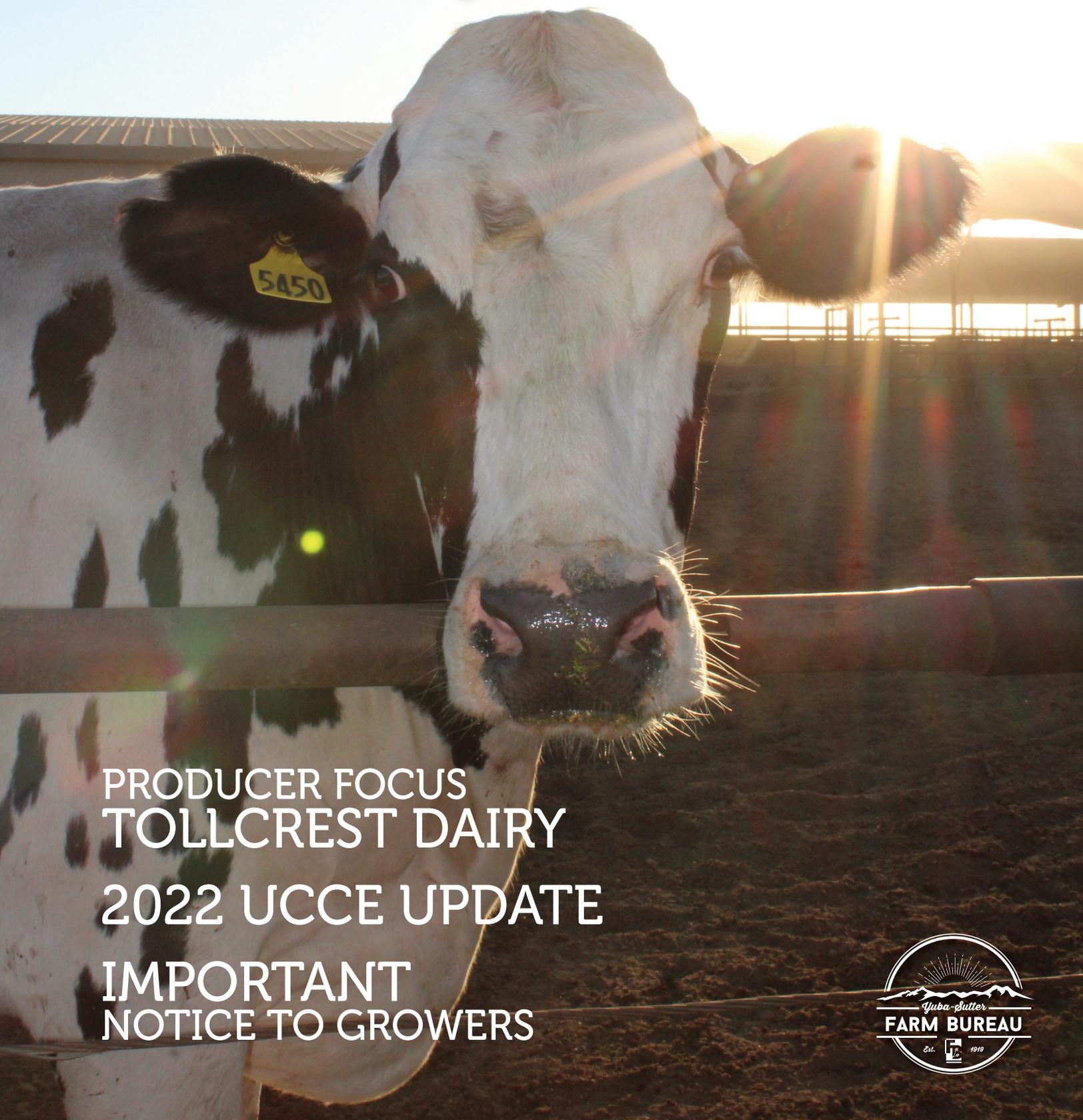


YUBA-SUTTER FARM BUREAU

# croptalk

VOLUME 17 NO 1



PRODUCER FOCUS  
TOLLCREST DAIRY  
2022 UCCE UPDATE  
IMPORTANT  
NOTICE TO GROWERS



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## YUBA-SUTTER FARM BUREAU CROP TALK

is published monthly by the Yuba-Sutter Farm Bureau, a non-profit trade organization whose mission is to represent Yuba-Sutter agriculture through public relations, education

and public policy advocacy in order to promote the economic viability of agriculture balanced with appropriate management of natural resources. This magazine and the activities sponsored by the Yuba-Sutter Farm Bureau are paid for by the annual dues of its membership.

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Article suggestions are encouraged, and we also encourage our members to submit their own articles for review. These should be mailed to our office. Use of articles is at the sole discretion of the Crop Talk Editor.

# New Approach Aims to Get USDA Out Ahead of Farm Debt Issues

By Spencer Chase

Ag Secretary Tom Vilsack wants to see if the Agriculture Department's county employees can intervene before a producer is at risk of foreclosure. And he's got Inflation Reduction Act funding to help him give it a shot.

from the \$3.1 billion earmarked in the IRA for debt relief for financially stressed farmers. Vilsack detailed the plan along with announcing Tuesday that the department was providing \$800 million in near-term IRA debt relief.

That final pot of money could face special importance if the Biden administration's foreclosure moratorium is not extended. For many producers faced with the prospect of a lifted moratorium and loan payments coming due, help might be needed.



US Secretary of Agriculture Tom Vilsack

Vilsack said FSA's county loan officers — staffers he praised as being “really good at what they do” — can identify warning signs and address a producer's situation before the words “foreclosure” or “bankruptcy” enter the conversation. Tuesday's announcement totaled about \$1.3 billion: about \$600

million for electronic payments to make 11,000 farmers current on their loans; a \$200 million fund to help farmers who have already faced bankruptcy but still might be subject to Treasury Department withholding action; \$66 million to make current the loans of 7,000 producers who utilized certain COVID assistance; and the remaining approximately \$434 million to give FSA the flexibility to mitigate foreclosure actions.

For that help to be provided, Vilsack envisions a scenario where local FSA officials are working on a case-by-case basis with producers

“I don't anticipate and expect at this point that we're dealing with any kind of application process,” he said. “We're dealing with folks sitting across the table from one another, saying ‘OK, let's figure this out, let's figure out how we can get you in a better place.’”

Of the roughly 115,000 producers who have loans through USDA — financing Vilsack pointed out is often extended after other options are exhausted — about 15,600 borrowers have been identified as needing USDA's new proactive regime. The vast majority of that total, about 14,000 producers, will have the option of requesting speedy intervention to address loan servicing issues; the remaining 1,600 are more complex cases that might include more imminent bankruptcy or foreclosure. 🌾

“Instead of waiting for a foreclosure action and creating an adversarial and tense relationship between (the Farm Service Agency) and the borrower because the borrower is having a little difficulty, we're now in a position to work with that borrower and provide them time and assistance and help to get them to a better place to keep them on the farm,” Vilsack told reporters Tuesday.

The funding for his plan will come

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# Be Prepared for Early Freeze Event

As seen in *West Coast Nut*

It may be difficult to worry about freezing temperatures when it's in the mid-90s, but walnut growers who experienced freeze damage in their orchards three of the past four fall seasons know it is important to be prepared.



Irrigation can be resumed at that time to avoid severe tree stress and defoliation.

Orchard floors, Milliron said, can retain heat accumulated during daylight hours and release it, pushing temperatures up enough to prevent damage. In order for the

Sudden freeze events before walnut trees have had a chance to harden off not only kill new growth, but larger branches and limbs. Young trees are more susceptible to freezing temperatures, but older trees that are putting out a lot of new growth in late fall can also be affected.

Luke Milliron, UCCE farm advisor in Butte, Glenn and Tehama counties, said freeze damage in walnut orchards can differ dramatically depending on the orchard age and environmental factors.

You have to be prepared to prevent severe freeze damage, like in 2020 when temperatures dropped dramatically in a short period and the trees hadn't had a chance to harden off. For growers who were caught unaware, there was so much dead wood found in orchards, Milliron noted.

"After the 2018 and 2020 autumn freezes, there were 6- to 10-inch-diameter limbs that were dead. You would cut into the wood and see the dead, brown tissue," Milliron said. "Thankfully, throughout the following spring and early summer, dormant buds pushed new growth from living portions of the tree, like an emergency response by the tree."

Dormant, mature walnut trees can withstand temperatures to the low 20s, but not a sudden onset. Milliron said it is believed the trees acclimate by having previous frost events that drop temperatures to near 32 degrees F. It is not known how many of these events are needed to sufficiently harden off the trees.

Should 2022 follow the pattern of 2020, there are ways to prepare and prevent severe damage to trees.

The trees themselves can be better prepared if they are not actively pushing new growth. No additional nitrogen should be applied from September onward to prevent the new growth that is most vulnerable to freeze damage. In younger trees, the N cutoff is in August.

Holding off on irrigation on young trees beginning early to mid-September and waiting until the terminal bud has set is advised.

floors to operate as a heat source, they should be bare and moist when a freeze event is forecast.

Soil moisture is an important freeze mitigation tool. In dry years, having sufficient surface water to irrigate orchards late in the fall may be a challenge for growers, Milliron acknowledged.

If adequate rainfall has not occurred by the end of October, both young and mature orchards should be irrigated to maintain soil moisture into November. In *Sacramento Valley Walnut News*, Milliron said that to know if rainfall is meeting the moisture need or if irrigation is needed, the rainfall totals should be compared with evapotranspiration rates. Soil should also be monitored by hand or with sensors, with a focus on the top 12 inches of soil. It is important, Milliron said, that it is near field capacity with no ponding. Any standing water at the time of a freeze turns into a frozen sheet of ice on the orchard floor that will prevent the stored heat in the soil from radiating upward. A dry crust on the top layer of the soil will also prevent heat radiation.

Vegetation on the orchard floor should be less than two inches in height to allow sunlight to warm the soil surface. It is also best to have a firm soil surface rather than a tilled surface. Cultivated soil has more air spaces which lower heat storage capacity and reduce heat conductivity.

Active irrigation during a sudden freeze can achieve as much as four degrees protection with solid-set systems if it can run at 40 gpm/acre. Microsprinklers can provide one to two degrees warming with at least 30 gpm/acre. Only slight warming can be achieved with a drip system.

Checking for freeze damage can be done by cutting into branches and looking for drying or browning tissue. Milliron said that even if damage has been done, tree health can be helped by painting the southwest side of the tree with 50% water-diluted latex paint. This can prevent sunburn on the exposed damaged tissue, reducing additional damage. 🌱

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# 2022 UCCE Vegetable Crops Program Update

With Amber Vinchesi-Vahl, Ph.D.

## Farm call summary for Sutter County

Disease	Tomato	Cucurbits
Beet curly top virus	2	
Resistance breaking TSWV	2	
Cucumber mosaic virus		1
Fusarium falciforme	2	
Fusarium wilt	2	
Fusarium crown and root rot	3	
Vegetable weevil	1	
Frost damage	1	
Abiotic		1

Beet curly top virus was prevalent again this spring, with multiple fields showing symptoms, especially in Colusa County. Both the BCTV-SpCT strain and the BCTV-CO strain were identified. Though the incidence within fields does not seem as high as in 2021 when we had an outbreak, there were areas with higher infections and it was confirmed in both processing tomatoes and squash. Resistance-breaking tomato spotted wilt virus is also increasing in range this year compared to 2021. *Fusarium falciforme* and *Fusarium crown and root rot*, two soilborne fungal pathogens have also been increasing in scope this year.



## Evaluation of darkling beetle overwintering locations and movement into tomato fields

Funded by the California Tomato Research Institute (CTRI)

Darkling beetles girdle seedlings at or below soil line by chewing which can cause significant damage and plant death when beetles are in high numbers. Darkling beetles are not usually a problem once plants are big enough to withstand the chewing damage. They move in from field edges, including weedy areas or adjacent crops like grains or alfalfa. Conventional control includes insecticide baits, but organic growers have more limited options.

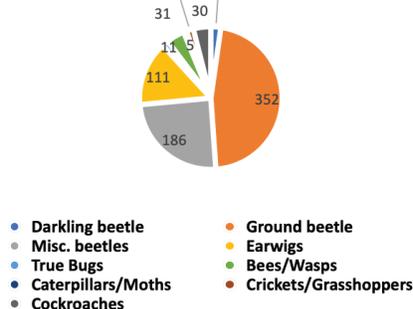
The main goal of this project was to better understand darkling beetle movement into tomato fields and develop a monitoring strategy to assist with control before beetles migrate into crop fields. Probable habitats for darkling beetles were scouted March-May 2022. These sites included weedy vegetation, hedgerows, field borders, and other locations in close proximity to crop fields (examples of trap sites pictured

below). To determine darkling beetle presence, pitfall traps and visual observations were used at an organic farm in Sutter County. Pitfall traps consist of plastic cups buried in the soil, so that the opening is even with the soil line and filled with a liquid. Insects walking across the ground fall into the cup as they travel and are unable to escape.

The data is still being analyzed but the figure below shows a generalized overview of what was captured in the pitfall traps in Spring 2022. Because pitfall traps are better at measuring insect activity rather than density, they were not very effective at capturing darkling beetles. Darkling beetles do not move around as frequently as other insects like predatory ground beetles, which were caught in high numbers. However,

darkling beetle damage was also not readily observed in these tomato fields. One field did however have significant damage from vegetable weevils which feed on foliage and stems, defoliating the plant, rather than girdling young plants at the base.

Total Insects in Traps March-May 2022



Ground beetles were the most abundant insects captured, followed by miscellaneous beetles (not including darkling beetles). Earwigs were also commonly captured along with isopods, spiders and ants (data not included).

### Other ongoing projects:

- Evaluating commercially available processing tomato varieties for their tolerance/susceptibility to the new soilborne pathogen, *Fusarium falciforme* (Funded by the California Tomato Research Institute)
- Evaluation of compost application to processing tomato fields in the Sacramento Valley (Funded by Healthy Soils Demonstration Program, CDFA)
- Improved management strategies for the western striped cucumber beetle in melon production (funded by the California Melon Research Board)



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## TOLLCREST DAIRY *With Maddy Meyer*

As I write this I'm sitting in our scale house waiting in between corn silage trucks that are coming through to record each of their weights. Harvest is in full swing here at the dairy and we are making lots of cow chow to feed our girls over this next year. This time of year, especially, I can't help but appreciate the far-reaching arm of the entire dairy industry, and even more specifically how our dairy is part of so many facets of our Yuba-Sutter community.



Tollcrest Dairy began in 1995 when Sietse (Sean) and Kristin Tollenaar moved to Wheatland and bought this empty dairy. 37 years later, we are now milking 2,000 cows twice daily on a 60-stall rotary parlor. If you've never seen a rotary milking parlor, picture a big carousel with cows on it, and they're all facing inwards looking at each other as the parlor spins and the milking machines hum. Fun fact: our herd of Holstein cows produce about 19,000 gallons of milk a day, which would be enough to supply the entire population of Yuba City every single day!

You may have noticed that this part of the state is clearly not a heavy dairy area. In fact, Tollcrest is the last remaining dairy in Yuba and Sutter

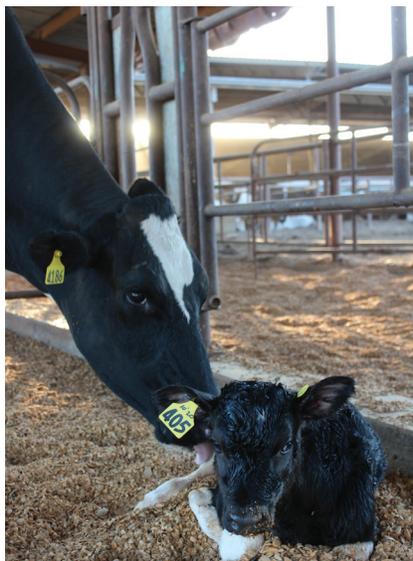
counties. However, during WWII, these two counties of ours were actually home to the most dairies out of any county in the state. This was because if you milked a few cows, you were considered a farmer and therefore would not be drafted. Many of the old barns that you see standing in rice fields or on ranches today were originally dairy barns.

While dairying up here rather than in Tulare, for example, has its disadvantages, it also comes with perks! We are very blessed with water here, we have access to byproducts of the local rice and almond crops, and the distance from the heart of California's dairy sector has also led us to become quite inventive in the everyday operation of the dairy. We trim the cows' feet in house (this is usually hired out) and we are very creative with the different byproducts available to us here that we can include in the cows' ration. We also send blood samples to a lab for



pregnancy testing every week since our vet can only drive up here to palpate cows once a month.

Excitingly, American dairy consumption is the highest it has been since 1959, at 667 pounds per capita in 2021! While fluid milk consumption has been declining for decades, it has been replaced by an increase in consumption of cheese, yogurt, ice cream, and other dairy products. In short, the modern American is eating their dairy, not drinking it. This gives us dairy farmers hope and the assurance that our way of life and the animals we care for are indeed essential to the fabric of California, and all of America. As stated in last month's crop talk, dairy is the state's most valuable agricultural commodity, and we don't plan on going anywhere anytime soon.☺



TOLLCREST DAIRY  
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# The Almond Conference

December 6-8 at the SAFE Credit Union Convention Center in downtown Sacramento.

**This year's agenda will be packed with content focused on helping growers improve return on investment. Below are the events you won't want to miss!**

## State of the Industry | December 6 | 2:00 p.m.

During the annual State of the Industry address, Almond Board Chair Alexi Rodriguez and CEO Richard Waycott will address ways the Almond Board of California is working to drive global demand, ensure a favorable trade and regulatory environment and maximize industry efficiency.



## Driving Global Demand | December 7 | 8:00 a.m.

Building long-term global demand for California almonds is the #1 strategic priority for the Almond Board. Ever wonder how we do it? In this general session for all attendees, you'll hear about how the Almond Board leverages the amazing nutritional profile of almonds – what we call the "health halo" – to drive consumer demand, while educating consumers about our responsible farming practices to protect that demand now and in the future.



## Lunch: Influencers LIVE! with Kiks and Kath | December 7 | 11:30 a.m.

This talk show format session will discuss the popularity of sustainability topics on social media, how these influencers select the companies and brands they partner with, and why they love meeting almond growers and working with the Almond Board to share your story.



## Gala | December 7 | 6:00 p.m.

The Almond Conference Annual Gala returns this year on a new night – moving to Wednesday evening, December 7 – but with the same combination of industry fellowship and local music, with just a trace of magic. Celebrated Los Angeles magician Arthur Trace will combine his masterful sleight of hand with imaginative storytelling guaranteed to tickle your mind, senses, and funny bone!



## Special Grower Breakfast: Managing Input Costs to Increase ROI | December 8 | 8:00 a.m.

This special breakfast session will review industry experiences on how to manage labor, pesticides, and other input costs in your operation. Be sure to set your alarm to make it up in time to enjoy a hearty breakfast sandwich while getting tips to improve profitability.



**Register and learn more at [Almonds.com/Conference](https://Almonds.com/Conference)**



# Bees Have Been Declared the Most Important Living Thing On Earth

Nature DIY

If the bees wipe away from the earth, mankind can only live for four years. No bees, no fertilization, no plants, no animals, no human beings.

**W**e may have our own opinions as to what is important in life but when it comes to important creatures, it seems as if bees have that title sewn up. At the last meeting of the Royal Geographical Society of London, the EarthWatch Institute came to a startling conclusion. They declared that bees are the most important living being on the planet, and for good reason.

The Science Times reports that 70% of the world's agriculture is dependent on pollination that happens exclusively by bees. Bees may do many different things but pollinating plants, allowing them to reproduce is by far their most important.

Without pollination, those plants would disappear quickly. A study conducted by the Apiculture Entrepreneurship Center of the Universidad Mayor (CeapiMayor) and the Apiculture Corporation of Chile (Cach), with the support of the Foundation for Agrarian Innovation (FIA) also came to an interesting conclusion. Bees are the only living thing on earth that doesn't carry any type of pathogen, including bacteria, viruses, and fungi.

Even though that's the case, bees are now on the endangered species list with a dramatic decline being shown in the

numbers of those insects worldwide. Within the past few years, almost 90% of the bee population has been wiped out.

Uncontrolled use of pesticides is probably the main reason for their decline. You can also blame it on deforestation and a lack of flowers. Activists are now saying that the use of pesticides needs to be stopped immediately and we need to look to more natural agricultural alternatives as we keep a close eye on the health and welfare of bees. Greenpeace also weighed in on the situation, saying it is possible to use 'commonsense actions' to restore and protect bees around the world. This would include eliminating the seven most dangerous pesticides, restoring ecological agriculture and preserving wild habitat to protect the health of pollinators.

In other words, ecological farming is important for the preservation of bee habitats. It would require diversifying the ecosystem and avoiding mono-crops. In addition to saving the health of bees, it can also restore soil nutrients through the use of natural composting, limit wind and water erosion and eliminate the use of chemical fertilizers and pesticides. When these factors are put into place, bee populations will be restored and pollination will be improved, along with crop yields. ☺



Photos - Pixabay

# AFBF Announces 2023 Farm Bill Policy Priorities

BY Ag Daily Reporters

**T**he farm bill has a long tradition of inspiring lawmakers to rise above politics to achieve a common goal. In preparation for the upcoming farm bill renewal, American Farm Bureau Federation's President Zippy Duval announced AFBF's priorities.

Key priorities include maintaining farm bill program funding, keeping nutrition and farm programs together, and supporting risk management tools.

The farm bill funding is an investment in some of the most fundamental elements of a strong country, one being a strong food supply. In Duval's own words, it's "the most significant piece of legislation that affects farmers and ranchers across the country."

"Since enactment of the 2018 farm bill, farmers have faced significant challenges from market volatility, increased input costs and devastating natural disasters," Duval said in a statement.



"Despite these headwinds, farmers and ranchers have met the needs of consumers both here and abroad while continuing to improve our environmental stewardship. We look forward to working with Congress to ensure the appropriate resources are available to craft farm policy that reduces food insecurity, bolsters national security and encourages long-term stability for all of our farm and ranch families."

AFBF's priorities include more than 60 recommendations — everything from price increases for commodities, more transparency for milk checks, additional funding for conservation programs, and a robust crop insurance program. The AFBF board of directors voted unanimously to approve the recommendations.

Final approval of policy priorities will be accomplished by a vote of delegates at the AFBF Convention in Puerto Rico in January 2023. 🇵🇷

A large industrial factory floor with workers and machinery. The scene is brightly lit by large windows on the right side. In the foreground, three workers in hard hats and work clothes are walking away from the camera. The floor is filled with various pieces of industrial equipment, including conveyor belts and large metal structures.

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# New Approaches to Water Management in Agricultural Operations

By Jeff Horton, FreeWave Technologies

A majority of farmers and ranchers agree that water conservation is a worthy goal. But as water conservation technology advances, many consider its associated costs and balk at updating irrigation equipment and water management practices.

Cost is a concern, and not just the expense of buying and implementing the technology. Real and perceived costs also include the time and frustration of learning new technologies and adapting to new ways of doing things, especially when established methods produce adequate yields.

Agriculture also has lagged behind in fully embracing new water-management technology because the cost of water use in commercial agriculture is usually relatively cheap compared with other inputs and expenses.

Perhaps they're already engaging in decades-old water conservation practices, but some of these methods — such as conventional automatic irrigation systems — might be headed for obsolescence. That's because automation alone is not enough. Research suggests that "water-conserving" irrigation systems that aren't Internet-connected and software-managed can help individual enterprises with efficiencies and earnings, but actually result in more water use overall as farmers parlay these gains to expand operations.

## Next-gen technologies transforming agriculture

Ready or not, new and innovative technologies are poised to transform agriculture. With water scarcity worsening as a global concern, "smart ag" technologies are considered a key component of water conservation.

Applying next-generation technology to water conservation is urgently needed in agriculture. Agricultural operations annually account for about 70 percent of global freshwater use, according to the World Bank. That amounts to two quadrillion gallons of water,

an incomprehensible number, so let's break it down to size.

Cattle raised for beef each drink up to 30 gallons of water daily, while dairy cattle each quaff up to 50 gallons. These volumes hardly represent the livestock's total water footprint. In the case of a ranching operations in drought-prone areas, the livestock's drinking water is but a fractional amount of the total used; the overall footprint includes irrigation for grazing.

Alongside other "smart ag" innovations, the application of Internet of Things (IoT) — the concept of connecting physical objects to the Internet and other devices for the purpose of capturing and sharing data — in agriculture arose in response to water scarcity, as well as in anticipation of other challenges to come. These devices generally are:

- Internet-connected
- Sensor-monitored
- Data-reporting
- Software-managed
- Remote-controlled

## Data-driven decisions key to effective water management practices

As the smart agriculture revolution enters its next phase, data will emerge as a driving force in water management. Indeed, where smart ag technology like IoT implementation has taken place, the continual collecting and processing of data guides day-to-day water management decisions, resulting in demonstrable water conservation while maintaining the health and worth of livestock and crops.

In that sense, this technology plays a critical role in agriculture's future. By adding a mix of wireless data-monitoring technology (Wi-Fi, Bluetooth, cellular, or satellite) to existing "things," including water tanks, pumps, and troughs,



ag operations can be made more efficient, resulting in lower labor costs and increased yields.

If data is the driving force, connectivity is the octane, and where Wi-Fi and cellular coverage is lacking, edge computing processes data at or near the source, enabling farmers and ranchers to respond quickly to changing

conditions or problems detected by smart sensors and transmitted via satellite.

These tech applications and benefits extend beyond water conservation. These advances also help people and the planet and enrich the future of the ag industry by attracting younger, tech-savvy workers to farming and rural areas.

High-level research on IoT-driven water management is nascent but auspicious, and the growing body of enterprise-level data and case studies, not to mention the potential consequences of continued inaction, bolsters the case for proactive as opposed to reactive adoption.

Make no mistake — various forces are pressing farmers to increase yields with less water, and if push comes to shove, regulators will seek to curb usage with access rights or other obstacles. Farmers don't want to be caught off-guard by water-use constraints, legislative or otherwise. Therefore, they should do what their forebears have done for eons: plan, nurture, and grow using the most advanced tools and technologies available. ☺

*Jeff Horton is the Chief Revenue Officer of FreeWave Technologies, a Colorado-based company that aims to help equip agricultural operations with real-time data insights and control.*

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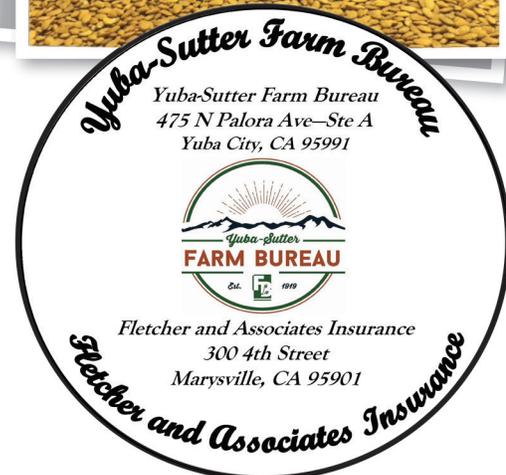
**DON'T MISS THE DEADLINES TO  
PURCHASE YOUR 2023 CROP  
INSURANCE.**

## The Sales Closing Dates include:

Almonds - December 31	Pecans- January 31
Pistachios - December 31	Peaches- January 31
Safflower - December 31	Tomatoes- January 31
Grapes - January 31	Walnuts- January 31
Olives- January 31	Rice - February 28

**For policies and questions relating to these and  
deadlines for other crops, please contact Tim Cole  
at Fletcher and Associates Insurance Services.  
(530) 741-0441.**

**FLETCHER & ASSOCIATES INSURANCE  
FREE POLICY REVIEW &  
QUOTE (530) 741-0441**



# Yuba-Sutter Farm Bureau Business Members Directory

Support these businesses and let them know you are a Farm Bureau member!  
Call the Yuba-Sutter Farm Bureau at 673-6550 for information on becoming a Business Member.

AERIAL APPLICATION
<b>Anderson's Flying Service</b> Robbins, (530) 738-4205
<b>Basin Aviation</b> Brandon VanDyke basinavigation@gmail.com • (530) 701-1691
<b>Moe's Crop Dusting Service, Inc.</b> Pleasant Grove • (530) 682-5117
<b>Sutter Butte Dusters, Inc.</b> P.O. Box 213, Live Oak • (530) 695-2294
<b>Twin Cities Aviation</b> 94 2nd St., Yuba City • (530) 673-4578
AGRICULTURAL ADVISING
<b>Agricultural Advisors</b> 3995 E. Butte Rd., Live Oak • (530) 674-1255
APIARIES
<b>Strachan Apiaries, Inc.</b> 2522 Tierra Buena Rd., Yuba City • (530) 674-3881
ASSOCIATIONS
<b>California Canning Peach Association</b> 335 Teegarden Ave., Yuba City • (530) 673-8526
<b>City of Yuba City</b> 1201 Civic Center Blvd., Yuba City • (530) 822-4762
<b>Garden Highway Mutual Water Corporation</b> Yuba City (530) • 674-2837
<b>Prune Bargaining Association</b> 355 Teegarden, YC • (530) 674-5636
<b>Yuba-Sutter Economic Development Corp.</b> Tharp Rd, Yuba City • (530) 751-8555
AUCTION SERVICE
<b>Bid Cal Inc.</b> Chico (530) • 345-0840
AUTOMOTIVE & DIESEL
<b>Les Schwab Tire Center-Linda</b> 5998 Lindhurst Ave, Linda • (530) 743-7818
BANKING/FINANCIAL
<b>Core Financial Group</b> 1215 Plumas St, YC • (530) 228-3029 michael@mycoremoney.com
<b>Crippen and Associates</b> 319 6th St. Suite #7, Marysville, CA 95901 • (530) 742-8201
<b>Farm Credit West</b> 900 Tharp Rd., Yuba City • (530) 671-1420
<b>Five Star Bank</b> 855 Harter Pkwy. • (530) 431-0950
<b>Plumas Bank</b> 1280 Bridge St., Yuba City, CA 95991 • (530) 755-3700
<b>River Valley Community Bank</b> 1629 Colusa Ave., Yuba City • (530) 821-2460
<b>Sahota, Brackett &amp; Associates, Inc.</b> 1634 Starr Dr. Yuba City • (530) 362-7383
<b>Citizens Business Bank</b> 700 Plumas Street., Yuba City • (530) 674-6207
<b>Tenney &amp; Company, CPA</b> 1528 Starr Drive, Ste A, Yuba City, CA 95993 • (530) 674-4211

CHEMICAL & FERTILIZER COMPANIES
<b>Grow West</b> 2100 Everglade Rd Yuba City • (530) 671-3571
<b>Helena Agri Business</b> Colusa Hwy Yuba City • (530) 674-3718
<b>Wilbur Ellis</b> 900 North George Washington Blvd, Yuba City 95993 (530) 673-0921
CONSTRUCTION
<b>Gary Smith</b> Yuba City • (530) 701-6731
<b>Hilbers Inc</b> 770 N. Walton, Yuba City • (530) 673-2947
CUSTOM FARMING
<b>John Behrend Custom Logging</b> Dobbins CA • (530) 632-3528
<b>Diamond B Ag Company</b> Yuba City • (530) 237-7238 harpaul@diamondbco.net or (530) 751-6285 jaz@diamondbco.net
<b>Fiveway Farming</b> Bruce Peacock • Sutter • (530) 671-9519
EQUIPMENT/VEHICLES
<b>Beeler Tractor Co.</b> 887 E. Onstott Rd., Yuba City • (530) 673-3555
<b>Holt Ag Solutions</b> 2950 Colusa Hwy Yuba City • (530) 755-3363
<b>N&amp;S Tractor</b> Yuba City • (530) 923-7675
<b>Valley Truck &amp; Tractor</b> 1549 Colusa Hwy., Yuba City • (530) 673-8283
FARM LABOR CONTRACTORS
<b>Sunrise Ag Labor</b> 436 Colusa Ave., Yuba City • (530) 822-7777
FARM MANAGEMENT
<b>JS Johal &amp; Sons, Inc.</b> 5020 Garden Hwy, Yuba City • (530) 682-3600
<b>PR Ag Services, Paul Takhar</b> (530) 682-6900 • treeshakes@gmail.com
FARMS, RANCHES & INDIVIDUALS
<b>BGH LP</b> 6394 Larkin Rd., Live Oak, CA 95953
<b>Butte Packhouse LLC</b> Live Oak nicole@buttepackhouse.com • (530) 370-5533
<b>Fair Share Farms</b> Yuba City • kellyhoppin@gmail.com
<b>Just Farms LP</b> Gridley • (530) 846-3958
<b>K &amp; S Orchards</b> Yuba City elijahsingh17@gmail.com • (530) 671-3434
<b>Laurel Ag</b> Perry St. Sutter • (530) 649-0522
<b>Lundberg Family Farms</b> Mike Denny • (530) 538-3500
<b>Premier Walnut Company</b> Yuba City, Sarb Kandola • (530) 870-7906
<b>Red Maple Ranch;</b> Yuba City, Melanie Munro redmapleranchflowers@gmail.com • (530) 218-7980
<b>Samara Ranches</b> Yuba City bobby@newlegendinc.com • (530) 788-3838

<b>Shaeffer Ranch LLC</b> Clovis CA
<b>Tamita Farms</b> S Butte Rd Sutter • (530) 674-9378
<b>T&amp;M Meyer Farms</b> Butte Rd Sutter, CA • (530) 570-9957
<b>Top Shelf Ranch LLC</b> Wheatland • (530) 788-3658 • grainfedbeef@gmail.com
<b>Triple H Ranches</b> Robbins • (530) 666-1500
<b>FARM SAFETY</b>
<b>MVP Safety Professionals, LLC</b> 1000 N. East St., Woodland (530) 665-4422 imuzio@mvpssafety.org
<b>FUEL</b>
<b>Lakeview Petroleum</b> 1528 Colusa Hwy, YC 95993 • (530) 742-7614
<b>Valley Pacific Petroleum</b> Stockton CA rob.goodman@vpps.net (209) 948-9412
<b>HULLING &amp; DRYING</b>
<b>Fedora Farms</b> 2551 Farmlan Rd., Meridian • (530) 696-2230
<b>INSURANCE</b>
<b>Denny Insurance Services</b> 856 Richland Rd., Suite B, Yuba City • 671-5813
<b>Far Horizon Insurance</b> 1130 Bridge St., Yuba City • (530) 674-1340
<b>Fletcher &amp; Associates</b> 300 4th St. Marysville • (530) 741-0441
<b>Huntley Bravos Zall Insurance Brokers</b> 520 Olive St., Marysville, CA 95901 • (530) 743-9264
<b>Oakview Insurance Services, Inc.</b> Yuba City • megan@yourfavoriteagent.net • (530) 674-5054
<b>Roberson &amp; Sons Insurance Services Inc.</b> Eric Roberson • (530) 365-1009
<b>Rose Insurance Agency</b> 855 Harter Prkwy # 350A, Yuba City gselland@roseinsuranceca.com • (530) 673-8862
<b>Sanchez Insurance Inc.</b> 440 N. Palora Ave, Yuba City • (530) 673-6277
<b>Sutter Buttes Insurance</b> 1527 Starr Dr #M Yuba City • (530) 682-1864
<b>Zenith Agribusiness Solutions</b> Craig Thomson cthompson@thezenith.com • (916) 781-2110
<b>LEGAL SERVICES</b>
<b>Hyatt-McIntyre &amp; Associates</b> 950 Tharp Rd., Ste. 701, Yuba City • (530) 674-9761
<b>The Law Offices of Robin C. Bevier PC</b> 2479 Sunrise Blvd., Gold River CA • (916) 858-0904
<b>NURSERY</b>
<b>Sierra Gold Nurseries</b> 5320 Garden Hwy., Yuba City • (530) 674-1145
<b>PROCESSING &amp; DRYING</b>
<b>Catlett Warehouse</b> 2138 Catlett Road, Pleasant Grove • (530) 674-2380
<b>District 10 Dryers LLC</b> 9000 Mathews Lane, Marysville • (530) 742-3116
<b>Miki Orchard, Inc.</b> 803 Boyer Rd., Marysville • (530) 743-4402
<b>Sacramento Packing Inc.</b> 833 Tudor Rd., Yuba City, CA 95991 • 530-671-4488
<b>Van Dykes Rice Dryer</b> 4036 Pleasant Grove Rd., Pleasant Grove • (916) 655-3171
<b>Shoei Foods</b> 1900 Feather River Blvd., Olivehurst • (530) 742-7866

<b>SunWest Foods, Inc.</b> Yuba City • (530) 671-8888
<b>Sunsweet Growers</b> 901 Walton Ave, Yuba City • (530) 751-5379
<b>Taylor Brothers Farms</b> 182 Wilkie Ave., Yuba City • (530) 671-1505
<b>PUMP &amp; WELL</b>
<b>Nor Cal Pump &amp; Well Service</b> 1325 Barry Rd., Yuba City • (530) 674-5861
<b>REAL ESTATE</b>
<b>Coldwell Banker Commercial Valley Brokers</b> 1307 Franklin Road, Yuba City • (530) 673-6614
<b>Edwards, Lien &amp; Toso • Randy Edwards</b> randaledwards19@hotmail.com • (209) 634-9484
<b>Farm &amp; Ranch Realty</b> P.O. Box 564, Woodland • (530) 908-4689
<b>Stromer Realty Company</b> 591 Colusa Ave., Yuba City • (530) 671-2770
<b>SERVICES - OTHER</b>
<b>Bridge Coffee Co. LLC</b> 101 Clark Ave YC • (530) 673-6001
<b>Country Butcher</b> Adam & Katie Knapp • (530) 742-0284
<b>Global Ag Communications</b> 1228 Frank Ave. Yuba City • (530) 751-6285
<b>Joel Giusti</b> Yuba City • (530) 237-6951
<b>Legacy By Design</b> www.legacy-by-design.com • (530) 671-2100
<b>Pride Employment &amp; Staffing</b> <b>Paul Basi</b> • (530) 661-3405
<b>Sutter Buttes Regional Land Trust, Lisa Lindman</b> Yuba City • (530) 755-3568
<b>SOLAR &amp; ENERGY</b>
<b>ACIP ENERGY, LLC</b> <b>David Vincent</b> Yuba City • (530) 777-2247
<b>SUPPLY</b>
<b>Bearing Belt Chain Company</b> 829 5Th St Marysville • (530) 743-9256
<b>California Industrial Rubber Co., Inc</b> 1690 Sierra Ave.,Yuba City • (530) 485-1487
<b>Derco Supply</b> 2920 A Colusa Hwy. YC • (530) 673-0481
<b>Grange CoOp &amp; Nursery Supply</b> 1264 Stabler Ln. Yuba City • (530) 777-3551
<b>Hust Brothers Inc.</b> 710 3rd St., Marysville • (530) 743-1561
<b>Sutter Orchard Supply</b> 573 Bridge St., Yuba City • (530) 673-8068
<b>TRUCKING</b>
<b>Gee Agri Transport Inc.</b> Yuba City • (530) 674-7443
<b>UTILITIES</b>
<b>Calpine</b> 5029 S. Township Rd., Yuba City, CA 95993 • 530-821-2072
<b>Chico Electric</b> 36 W Eaton Rd, Chico • (530) 891-1933
<b>Meridian Farms Water Co.</b> 1138 4th St., Meridian • (530) 696-2456
<b>WINERY</b>
<b>Cordi Winery</b> 10401 Ingram Ln, Live Oak • (530) 695-1785



## YUBA-SUTTER FARM BUREAU

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Yuba City, CA 95991

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**PAID**  
Permit #500  
Claremont, CA

# IMPORTANT NOTICE TO GROWERS, PCAs, AND AERIAL APPLICATORS!

Be cautious during Application Season!  
Pyrethroids have been found in Butte, Yuba and Sutter  
Counties Surface Waters that triggered a mandated  
Management Plan by the Irrigated Lands Regulatory Program!

→ Bifenthrin (Brigade, Bifenture, Capture, Fanfare)

USED ON: Nuts, Cotton, Seed Crops, Tomato

→ Cyfluthrin (Leverage)

USED ON: Nuts, Beans, Pecan, Alfalfa, Cotton, Tomato

→ Cypermethrin (Mustang)

USED ON: Rice, Alfalfa

→ Esfenvalerate (Asana)

USED ON: Almonds, Prunes, Walnuts

→ Lambda-Cyhalothrin (Warrior, Lambda-Cy)

USED ON: Rice, Walnut, Alfalfa

→ Permethrin (Pounce, Permup, Tenkoz)

USED ON: Walnut, Corn, Alfalfa

## BEST MANAGEMENT PRACTICES

- Using alternative pest control materials (i.e., using non-pyrethroid pesticides).
- Reducing the quantity of pesticides applied by monitoring pest and beneficial populations to determine the need for pesticides and the best timing for maximum control.
- Reducing the quantity of pesticides applied with spray buffers at field edges and near ditches.
- Reducing drift by regular calibration of sprayers for pesticide applications.
- Reducing drift by using electrostatic sprayer equipment.
- Reducing drift by using effective drift control mechanisms.
- Maximizing time between application and planned irrigation runoff and/or predicted storm runoff events in order to reduce loss of applied pesticides from foliage, transport on soils, and transport of pesticides bound to particles in tailwater.
- Changing to more efficient application methods (e.g., ground vs. aerial applications and/or equipment that provides more precise applications).
- Installation of vegetated filters between application areas and ditches or waterbodies and/or allowing vegetation to grow in drainage ditches to reduce movement of pesticides bound to organic and soil particles and contamination from aerial overspray (Note: vegetated BMPs may be less effective for very fine-textured clay soils).
- Reducing irrigation tailwater through conversion from flood or furrow irrigation to buried drip, sprinkler, or micro-irrigation where applicable.
- Reducing irrigation tailwater with tailwater return systems.
- Reducing or delaying irrigation tailwater through irrigation water management.
- Sediment and erosion control practices.