



California Farm Equipment Magazine

JANUARY 2026 Volume 45 • Number 1

www.californiafarmequipment.com

Inspired by
Farmers.
Grounded in
Performance.



See pages 8–9 for
more information.

LS Tractor

Start Blue. Stay Blue.

MT774

NEW LS FAMILY LOOK

- Sleek, aggressive exterior design with new deep sky-blue paint and silver rims
- Redesigned hood allows for improved engine performance and serviceability
- LED lamps



Start Blue. Stay Blue. Stop in at your local dealer!

Earlimart, CA

VALLEY FORKLIFT INC

559-268-6285

Fresno, CA

VALLEY FORKLIFT INC

800-959-5532

Grass Valley, CA

SIMPLY COUNTRY

530-273-3886

Modesto, CA

VALLEY FORKLIFT INC

209-846-6960

Stockton, CA

VALLEY FORKLIFT INC

209-933-0206

Auburn, CA

TRACTOR CITY INC

530-820-3011

West Sacramento, CA

VALLEY FORKLIFT INC

916-371-6165

Los Molinos, CA

LANE TRACTOR SALES INC

530-384-1016

Sacramento, CA

TRACTOR CITY INC

916-309-4146

ADVERTISER INDEX

Case IH Tractor Company	
Linder Equipment Co.....	6
N&S Tractor.....	6
Sonsray Machinery.....	6
Wilkinson International.....	6
Fendt Tractor	
Empire Agriculture.....	23
Gould Auction & Appraisal Co.....	11
Kioti Tractor Company	
American Loan Masters.....	31
Exeter Mercantile.....	31
San Joaquin Tractor Co.....	31
Trailer Superstore.....	31
Kubota Tractor Corporation	
Dolk Tractor Co.....	27
Garton Tractor, Inc.....	27
Linder Equipment Co.....	27
Pioneer Equipment Co.....	27
Linder Equipment Co.....	6
LS Tractor Company	
Lane Tractor Sales Inc.....	2
Simply Country.....	2
Tractor City Inc.....	2
Valley Forklift Inc.....	2
Mulrooney Auction Co.....	24
New Holland Tractor Company	
Coastal Tractor Co.....	20
Dolk Tractor Co.....	20
Garton Tractor, Inc.....	20
N&S Tractor.....	20
N&S Tractor.....	13
Pacific Ag Rentals.....	15
Precision Air Systems, Inc.....	19
Smith Welding & Machine Shop.....	11
Synthetic Grass Solutions.....	29
Taylor Ag Equipment Appraisals.....	24
World Ag Expo.....	5, 32
Yakima's Best Logistics LLC.....	24

CONTENTS

January 2026

FEATURES

4 New Research Reveals Strong Baseline Results in Farmer Interest and Investment in Agricultural Drone Technology and Services. A new national study reveals some bullish baseline trends regarding how American farmers are approaching agricultural drone technology and related equipment as an emerging cornerstone of crop production.



8 How LASCO's Lightning Weeder™ Is Helping Farmers Regain Control of Resistant Weeds. A proven, field-tested electric weed control system addressing one of agriculture's most persistent challenges. In modern farming, farmers have been placing a greater emphasis on soil vitality and sustainable production practices that work with the land rather than against it.



10 AEM Pushes California to Modernize Autonomous Equipment Rules. How outdated regulations are slowing the rollout of next-generation tractors — and what it means for growers. California growers are facing a technological crossroads. While autonomous tractors are rapidly transforming agriculture across the Midwest, Southeast, and international markets, California farmers remain constrained by regulations that have not kept pace with innovation.



12 California Dairy Research Foundation Relaunches Climate-Smart Grant as Advancing Markets for Producers Initiative. Thanks to its strong emphasis on supporting dairy farmers, CDRF's grant will move forward as part of this new federal initiative, building upon California's efforts to enhance agricultural resiliency.



14 Soil-biodegradable mulch film. Conventional polyethylene (PE) mulch has long been a staple in high value vegetable and berry production systems. It warms soil, conserves moisture, and suppresses weeds. However, its end-of-season removal and disposal can be labor-intensive and expensive. Soil contaminated PE mulch is rarely recyclable, and leftover fragments down into micro and nanoparticles, that persist in fields for years.

16-17 World Ag Expo's 2026 Top-10 New Products Contest sponsored by the F3 Initiative. The winners will be showcased February 10-12, 2026 during the World Ag Expo in Tulare, California. The field of new products was submitted by exhibitors, showcasing innovations ranging from simple solutions to advanced technologies.

On The Cover



LIGHTNING WEEDER

lightningweeder.com
218.791.6536

New Research Reveals Strong Baseline Results in Farmer Interest and Investment in Agricultural Drone Technology and Services



A new national study reveals some bullish baseline trends regarding how American farmers are approaching agricultural drone technology and related equipment as an emerging cornerstone of crop production.

The research, "Farmer Perceptions of Agricultural Drones," was sponsored by SweetWater Technologies, Agri Spray Drones, the National Corn Growers Association and Syngenta. The project was also deployed in partnership with CropLife America, The Fertilizer Institute, the Agricultural Retailers Association and D.C. Legislative and Regulatory Services and was conducted by Stratovation Group.

"Agriculture is in a pivotal position where emerging technologies like drones are becoming tangible tools for production efficiency," said Cam Camfield, CEO and founder of Stratovation Group, a leading agriculturally focused research and communications firm. "Farmers told us that drones or drone services are becoming a core piece of their operational infrastructure."

The research, which surveyed full-time, large-scale row crop farmers across the U.S., provides solid baseline insights into both the adoption drivers and resistance points shaping the future of agricultural technology at the field level.

"This research separates the real-life field-level signals from the industry hype," Camfield said. "It spotlights what's actually accelerating or hindering adoption by farmers at the ground level."

Several key findings from the survey signal a high degree of market momentum for the agricultural drone sector:

- Perception drives value: Drone owners have a very positive perception of drones, with 67% expressing positive impressions and none having negative perceptions.
- A majority of current drone users (72%) say they plan to purchase or lease a new drone in the future, with 53% indicating they would do so within the next three years.
- More than half of current non-drone users (61%) indicate they also plan to purchase or lease a new agricultural drone in the future, with 30% indicating that would occur within the next three years, which indicates a widening gateway to mainstream adoption.
- The market continues to be wide open since more than 67% of respondents indicated they currently do not use drones of any type on their farm.
- Of the farmers currently using drones, the most common drone type by far was multi-rotor drones at 89%.

"What stood out wasn't just the current use," Camfield said. "It was the depth of future intent, even among farmers who haven't yet made the leap. The expressed appetite to expand is real, and the pattern suggests the emergence of full-scale drone programs on farms, not just one-off experiments."

Stratovation Group is making the comprehensive research package, including raw data, insights, and visual cross-tabs, available for purchase. The full dataset includes cross-tabulations, longitudinal comparisons, and insights into brand favorability and usage trends. Interested stakeholders can learn about securing full access to the research by contacting Cam Camfield at cam@stratovationgroup.com.

Camfield will also be a featured presenter during the 2026 Spray Drone End User Conference, January 25-29 in Kansas City, where he will share select topline results of the survey with attendees. More information about that conference is available [here](#).

The research, conducted in the third quarter of 2025, was based on a 20-minute online survey comprising 83 detailed questions. It intentionally balanced responses between current drone users and non-users to ensure a well-rounded perspective. The study explored a wide range of topics, including farmer perceptions of drone technology, barriers to adoption, brand preferences, future purchasing plans, and specific technical concerns shaping decision-making at the field level.

California Farm Equipment

California Farm Equipment is Published Monthly. The Publisher does not assume responsibility for statements by Advertisers, Editorial or for Products advertised in California Farm Equipment Magazine. The Publisher and Advertisers are not responsible for erroneous statements, ad misrepresentation or typographical errors. Copyright 2025. All rights reserved by California Farm Equipment.

Publisher Joe L. Neyer III
Associate Publisher Mona L. Neyer

Subscription Rate: Anywhere in the U.S. is \$18 for one year and \$36 for three years, payable in advance.

Website: californiafarmequipment.com
Email: info@cfemag.com

Postmaster: Please send "Address Service Requested" corrections to California Farm Equipment, Post Office Box 1128, Visalia, CA 93279

Telephone: 559-627-2182
CONTACTS

Editorial Office
California Farm Equipment
P.O. Box 1128, Visalia, CA 93279
Telephone (559) 627-2182. Website at:
www.californiafarmequipment.com

Advertising
Contact the Advertising Department at 559-627-2182 or email: info@cfemag.com

Subscriptions
For a one year subscription \$18.00 and for a three year subscription \$36.00. Out of the country one year \$75.00 except for Canada and Mexico \$50.00.

For all inquiries, send to California Farm Equipment, P.O. Box 1128, Visalia, CA 93279, call 559-627-2182 or email us at info@cfemag.com

A poster for the World AG Expo 2026. The top half features a photograph of two men in hard hats and work clothes standing in a field next to a large piece of agricultural machinery, possibly a combine harvester. The text "WORLD AG EXPO" is prominently displayed in a bold, sans-serif font, with "TULARE, CA 2026" underneath it. Below the photo, the text "WHERE AG MEETS INNOVATION" is written in a large, bold font, followed by "NETWORKING | EDUCATION | BUSINESS" in a smaller font. At the bottom, the dates "FEBRUARY 10 - 12, 2026" are displayed in a large, bold font, with "TULARE, CA 93274 | WORLDAGEXPO.COM" underneath.

**WORLD
AG EXPO**
TULARE, CA 2026

WHERE AG MEETS INNOVATION
NETWORKING | EDUCATION | BUSINESS

FEBRUARY 10 - 12, 2026
TULARE, CA 93274 | WORLDAGEXPO.COM

An advertisement for JM Enterprises. The background is a light gray with a subtle pattern of white geometric shapes. In the center, the text "JM ENTERPRISES" is written in a large, bold, black sans-serif font. Below it, "FOR ALL YOUR PRINTING NEEDS" is written in a smaller, bold, black sans-serif font. To the left of the text, there are several small images of printed materials: a stack of white letterhead, a stack of white envelopes, and a stack of white business cards. To the right of the text, there is a list of services in a bold, black sans-serif font: "• BROCHURES", "• FORMS", "• BUSINESS CARDS", "• LABELS", "• DIRECT MAIL", "• LETTERHEAD", "• ENVELOPES", and "• SIGNS/BANNERS". Below the list, there is a large, colorful rainbow graphic that curves around the bottom right corner. In the bottom left corner, the text "GIVE US A CALL" is written in a bold, black sans-serif font, followed by the phone number "(559) 627-2182" in a larger, bold, black sans-serif font.

JM ENTERPRISES

FOR ALL YOUR PRINTING NEEDS

- BROCHURES
- FORMS
- BUSINESS CARDS
- LABELS
- DIRECT MAIL
- LETTERHEAD
- ENVELOPES
- SIGNS/BANNERS

GIVE US A CALL
(559) 627-2182

Come and see our huge inventory of Case IH and Kubota tractors

Low-rate financing available and or Lease options!

READY FOR RENT OR PURCHASE
from 25 hp to 620 hp



Also, for rent many implements to choose from!

Linder EQUIPMENT CO.
SERVING AGRICULTURE SINCE 1884
311 E. Kern Avenue
Tulare, California 93274

Serving Agriculture Since 1884



(559) 685-5000 www.linderequipmentkubota.com

See Your Local Case IH Dealer Today!

BAKERSFIELD

Sonsray Machinery
661-327-1641

FIVE POINTS

Sonsray Machinery
559-884-2431

FRESNO

Sonsray Machinery
559-834-2277

SALINAS

Sonsray Machinery
831-240-0378

STOCKTON

N&S Tractor Co.
209-944-5500

STRATFORD

N&S Tractor Co.
559-947-3301

TULARE

Linder Equipment Co
559-685-5000

WILLOWS

N&S Tractor Co.
530-934-3382

WOODLAND

Wilkinson International
530-662-7373

AG DAY 2026

Together We Grow

March 24, 2026

Celebrating
250
YEARS
OF PROGRESS IN
AGRICULTURE

THE NEW FARMALL® MEDIUM UTILITY C SERIES



FULL POWER. FULL COMFORT. FULL FEATURES.

How do you build on the hard-working performance of the legendary Farmall® Medium Utility C Series? You start by updating the styling and upsizing features like the front axle, hydraulic power, gross vehicle weight, and rear lift capacity. These deluxe utility tractors offer both 12-speed Power Shuttle and 24-speed Hi-Lo transmissions — so you're more than equipped to tackle livestock duties, hay operations, and loader work. For added comfort and a better driving experience, you get updated controls, greater visibility, ActiveClutch II™ brake to clutch, and soft-start PTO. Want more precision farming tech? The new model versions offer factory-installed track-and-trace fleet management and ISOBUS compatible implement control.

For more information visit caseih.com or contact your local Case IH dealer.



All rights reserved. Case IH is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. www.caseih.com

CASE IH

How LASCO's Lightning Weeder™ Is Helping Farmers Regain Control of Resistant Weeds

A proven, field-tested electric weed control system addressing one of agriculture's most persistent challenges



Farmers have relied on chemical-based herbicides for generations to keep fields clean and productive. While effective, this raises some concerns about long-term land health and how this impacts soil biology as well as crop viability. In modern farming, farmers have been placing a greater emphasis on soil vitality and sustainable production practices that work with the land rather than against it.

Rather than applying chemicals that can disrupt ecosystems, LASCO's Lightning Weeder has a patented Electric Discharge System (EDS) that can control weeds electrically, replacing the necessity of spraying chemicals on the field. The result is effective weed control that preserves soil structure, protects beneficial organisms, and supports long-term productivity.

"This technology doesn't hurt the soil" mentions Kevin Olson when asked about the Lightning Weeder's performance and impact in the field. "We've tested a lot and never found any negative results. There's no damage to crops and no safety issues for drivers."

At the core of the Lightning Weeder is a straightforward, but powerful scientific principle: electricity. When weeds contact the bar, they conduct the electrical current, which rapidly evaporates moisture within the plant and stops the growth. The soil remains undisturbed because the electrical current travels through the plant itself. There is no chemical residue and no disruption to microbial activity beneath the soil.

There are several factors which affect weed control with the EDS LIGHTNING WEEDER. The amount of contact between the applicator bar and the weeds will affect the level of weed control. Also, the level of control depends upon the specie and its conductivity. The machine is most efficient when contact is made between the applicator bar

and the main stem and as many branches as possible. A single-stemmed weed, therefore, is usually easier to control than a many-branched weed. Younger weeds are generally easier to kill than more mature weeds. Scattered weeds are easier to kill than dense weed populations; so, it is advisable to treat each field more than one time during each season (three times is typical) as weeds are easier to treat when they are young and scattered than when they are mature and densely populated. A general guideline to determine when an operation is needed is when the weeds are 4" to 6" taller than the crop plants.

THE EDS LIGHTNING WEEDER applicator is hydraulically controlled for height adjustment and its electrical output is controlled from an operator control panel. For optimum results, the applicator bar height should be adjusted to pass just over the top of the crop plants. If the bar is too low, the crop plants themselves will become conductors and either growth will be stunted or the plant will be destroyed. On a sugar beet plant, for example, individual leaves will be destroyed on contact and if enough leaves are destroyed, yield reduction will occur. Excessive crop clearance, however, will result in missing many weed plants that are only slightly higher than the crop plants; so the operator must operate the EDS LIGHTNING WEEDER at optimum clearance.

With great power comes great responsibility, however. LASCO has recognized this and has engineered the Lightning Weeder with a comprehensive safety framework. An interlock system automatically disables electrical output if operating conditions are not met. Shielded components further reduce the risk of accidental contact, reinforcing LASCO's commitment to safe, responsible operation.

As agriculture evolves toward practices that prioritize soil health and long-term management, tools like the Lightning Weeder are becoming integral to modern weed-control strategies. Farmers using the Lightning Weeder report greater confidence in managing fields without relying on chemical inputs.

1 AgWeb. (2024) "Could Electricity Be A New Weed Killer?" Source: <https://www.agweb.com/news/crops/crop-production/could-electricity-be-new-weed-killer>

About LASCO:

LASCO develops a chemical-free weed control system that gives farmers reliable tools to reduce complexity, restore soil vitality, and diminish chemical dependence. The LASCO Lightning Weeder uses an electric discharge system (EDS) to facilitate weed control while also ensuring zero damage to crops.

For more information about LASCO Lightning Weeder, visit: www.lightningweeder.com

Inspired by Farmers. Grounded in Performance.



At **LASCO**, we develop proven, chemical-free weed control systems shaped by science and on-farm experience, that give farmers reliable tools that reduce complexity, restore soil vitality and diminish chemical dependence, safeguarding farmers, our lands, and our future generations.

The **LASCO ELECTRIC DISCHARGE SYSTEM (EDS) LIGHTNING WEEDER** cuts costs, increases yield—a smart investment. The patented applicator is hydraulically controlled for height adjustment to address a wide variety of crops effectively eliminating those chemical resistant weeds organically, providing cost savings both in labor as well as materials and water.

When you have tried everything else to address your weeds, contact us. Lightning Weeder works.



lightningweeder.com
218.791.6536



Look for Lightning Weeder at an equipment distributor near you

DPR Launches Interactive Dashboard to Improve Public Access to Pesticide Enforcement Data

WHAT YOU NEED TO KNOW:

DPR's new online dashboard offers a modernized, streamlined way to explore pesticide enforcement data by county and activity type, summarizing data previously available only in static reports.

The California Department of Pesticide Regulation (DPR) launched an Enforcement Data Dashboard, a new online tool to make pesticide enforcement and inspection data more accessible and transparent for Californians.

The dashboard presents information in a user-friendly, interactive format, providing data collected by DPR on local enforcement conducted by County Agricultural Commissioners (CACs).

DPR is responsible for statewide enforcement of pesticide use laws and regulations, providing guidance and oversight to evaluate CACs' local pesticide use enforcement programs. CACs conduct on-the-ground pesticide use enforcement, including investigating pesticide incidents and taking action to address pesticide violations.

"This dashboard brings greater access and transparency to the work conducted across the state to enforce

pesticide use laws and regulations," said DPR Director Karen Morrison. "By making enforcement data more accessible, we're supporting data-driven oversight and continuous improvement in how pesticide laws are implemented."

The dashboard includes:

An overview of DPR and CACs' respective roles in pesticide use enforcement.

Interactive pages that illustrate historical data on restricted material permitting, inspections and investigations, and enforcement actions.

Tools to filter data by county, date range, inspection type and more.

The dashboard compiles data currently available in a range of written reports. Adding transparent access to information and data visualization was a goal outlined in the department's 2024-2028 Strategic Plan – English (2024-2028 Strategic Plan – Spanish) and reflects public feedback for more access to current pesticide use enforcement information.

The dashboard reflects data collected through June 2025 and will be updated annually.

AEM Pushes California to Modernize Autonomous Equipment Rules

How outdated regulations are slowing the rollout of next-generation tractors — and what it means for growers



By Joe L Neyer

California growers are facing a technological crossroads. While autonomous tractors are rapidly transforming agriculture across the Midwest, Southeast, and international markets, California farmers remain constrained by regulations that have not kept pace with innovation. The Association of Equipment Manufacturers (AEM) is calling for urgent modernization, arguing that the state's outdated rules are preventing growers from accessing equipment that could dramatically improve efficiency, safety, and sustainability.

Autonomous tractors — equipped with advanced sensors, GPS guidance, and machine-learning-driven navigation — are designed to reduce labor strain, increase precision, and operate safely in challenging field conditions. Yet under current California regulations, many of these machines cannot be deployed without a human operator physically present, undermining the very benefits the technology is built to deliver.

AEM's new Drive Ag Progress initiative highlights the widening gap between California and other agricultural states. According to the organization, growers in states like Nebraska, Iowa, and Texas are already integrating autonomous tractors into daily operations, reporting gains in fuel efficiency, reduced labor costs, and improved consistency in fieldwork. California's regulatory lag, they argue, is putting the state's producers at a competitive disadvantage.

"California is a global leader in agriculture, but its equipment rules are stuck in the past," the campaign states. "Farmers deserve access to the same modern tools available elsewhere in the country."

Industry experts note that autonomous equipment is particularly well-suited for California's specialty crops, where precision, timing, and repeatability are essential. From vineyard cultivation to orchard mowing, autonomous tractors can perform repetitive tasks with high accuracy while freeing skilled labor for more complex work.

Growers and equipment dealers alike are watching closely as the state evaluates

How Autonomous Tractors Work

Precision Guidance

GPS and satellite mapping allow tractors to follow exact field paths with minimal deviation.

Sensor Integration

Cameras, radar, and LiDAR detect obstacles, crop rows, and terrain changes in real time.

Remote Monitoring

Operators can track performance and make adjustments from mobile devices or control centers.

Labor Efficiency

Autonomous systems reduce the need for manual operation, freeing labor for skilled tasks.

Crop-Specific Adaptation

Systems can be tuned for orchards, vineyards, row crops, and specialty harvests.

potential updates. If California modernizes its regulations, the shift could unlock a wave of investment, accelerate adoption of next-generation machinery, and help producers navigate ongoing labor shortages.

For now, the industry waits — but pressure is mounting. As technology advances and other states surge ahead, California's farmers are increasingly vocal about the need for change. The question is no longer whether autonomous tractors are the future, but whether California will allow that future to take root.

New edition of UC ANR's 'The Home Orchard' offers advice on growing tree fruit, nuts

By Pamela S Kan-Rice

Growing tree fruit or nuts? "The Home Orchard," a new edition of the definitive guide to growing deciduous fruit and nut trees at home, is now available for gardeners, hobbyists and fruit and nut aficionados. This essential reference book provides everything serious home orchardists need for decades of productive, sustainable fruit and nut growing.

Published by University of California Agriculture and Natural Resources, the expanded second edition covers site selection, variety choice, pruning, grafting, irrigation and integrated pest management.

The new guide, updating the acclaimed first edition from 2007, delivers the latest science-backed insights for more crops and incorporates nearly two decades of new research.

"This vital reference for backyard tree fruit growers has been significantly expanded beyond common crops such as peaches and apples, and now includes coverage of figs, persimmons and nuts – almonds, walnuts, pecans, chestnuts, filberts and pistachios," said Paul Vossen, emeritus UC Cooperative Extension farm advisor and co-author of "The Home Orchard." "It includes integrated pest management guidance for each crop."

This 240-page resource features significantly expanded content, including:

- In-depth integrated pest management strategies for sustainable home growing
- Modern rootstock recommendations reflecting current breeding advances
- Water-efficient irrigation system design and technologies
- Climate-adaptive practices for changing environmental conditions

Troubleshooting chapters help diagnose common problems such as failure to bear and physiological disorders. The book guides readers through tree biology, growth cycles and the science behind the recommendations – empowering them to make informed decisions for each site's unique conditions.

This new edition honors the legacy of late UC Cooperative Extension advisor Chuck Ingels, who served as a technical editor and a co-author of the 2007 edition of "The Home Orchard."

John Karlik, emeritus UC Cooperative Extension advisor in Kern County for environmental horticulture and environmental science, is the technical editor and a co-author. His co-authors include current and past UC ANR experts: Chuck Ingels, Maxwell Norton, Ted DeJong, Louise Ferguson, Mary Louise Flint, Pamela Geisel, Janet Hartin, Janine Hasey, Katherine Jarvis-Shean, Scott Johnson, Craig Kallsen, Niamh Quinn, Lawrence Schwankl, Beth Teviotdale and Paul Vossen.

The paperback book costs \$40 and can be ordered online from the UC ANR Catalog: <https://bit.ly/HomeOrchard2>.

GOULD AUCTION & Appraisal Co. LLC



Integrity, Experience, Results

UPCOMING AUCTION

SATURDAY February 14th, 2026 9:00 AM

Inspection: Friday February 13th, 9:00 AM to 4:00 PM

6200 Price Way, Bakersfield, CA 93308

ACCEPTING CONSIGNMENTS NOW

Last Auction Had 1,000 Lots

Expecting 50+ Vehicles and more

LIVE & ONLINE BIDDING

www.proxibid.com

Proxibid Handling All Online Bids

6200 Price Way, Bakersfield, CA 93308

Office (661) 587-3123 • Jerry (661) 333-3040

www.Gouldauction.com • Email: Gouldhitch@aol.com

Bond #CA MS150-49-03 USA MS2892233

HAVE EQUIPMENT TO SELL?
FREE CLASSIFIEDS
cfemag.com

Smith Welding & Machine Shop

179 So. 10th Avenue

Hanford, CA 93230

Phone (559) 584-8652

Furrow Roller



**Using a Furrow Roller will
SAVE 15 to 20 percent on WATER**

www.smithweldingshop.com

California Dairy Research Foundation Relaunches Climate-Smart Grant as Advancing Markets for Producers Initiative



The Dairy Plus Program provides incentive funding for advanced manure management technologies, technical assistance, and measurement of environmental benefits, while working to create new market opportunities for sustainably produced commodities.

The California Dairy Research Foundation (CDRF) announced the relaunch of its U.S. Department of Agriculture (USDA) Partnerships for Climate-Smart Commodities grant, now a part of the Advancing Markets for Producers (AMP) Initiative. The USDA grant program was transitioned into the current AMP initiative, focused on Farmer-First priorities. Thanks to its strong emphasis on supporting dairy farmers, CDRF's grant will move forward as part of this new federal initiative, building upon California's efforts to enhance agricultural resiliency.

The Dairy Plus Program provides incentive funding for advanced manure management technologies, technical assistance, and measurement of environmental benefits, while working to create new market opportunities for sustainably produced commodities.

The Dairy Plus Program provides incentive funding for advanced manure management technologies, technical assistance, and measurement of environmental benefits, while working to create new market opportunities for sustainably produced commodities.

At the center of this effort is the Dairy Plus Program, managed by CDRF and the California Department of Food and Agriculture's (CDFA) Office of Agricultural Resilience and Sustainability (OARS). The Dairy Plus Program provides incentive funding for advanced manure management technologies, technical assistance, and measurement of environmental benefits, while working

to create new market opportunities for sustainably produced commodities.

The Dairy Plus program helps producers to reduce emissions, address nitrogen and salt surpluses, and tackle other key environmental challenges. Through collaboration with the CDFA-OARS, California Milk Advisory Board (CMAB), cooperatives, technology providers, academic partners, and others, the project aims to strengthen both environmental outcomes and the economic resilience of California dairy farms.

In 2024, CDRF and CDFA awarded a total of \$16.7 million to fund 14 California dairy farm projects, aligned with the state's Alternative Manure Management Program

(AMMP) and Dairy Digester Research and Development Program (DDRDP). With the relaunch under AMP, the program is now positioned to invest an additional \$58 million in upcoming project opportunities. Selectees from among the 2024 Dairy Plus Program applications will soon be awarded, for a total of up to \$26.8 million, with details of this announcement to be shared from CDFA later this month. Additionally, a third solicitation for project applications is expected to open in early 2026.

"California dairy families are committed to sustainability, and this effort builds upon their reputation for innovation and continual improvement," said Denise Mullinax, Executive Director of CDRF. "With Advancing Markets for Producers, we are not only helping farmers adopt state-of-the-art practices but also ensuring they can access new markets that recognize California's leadership in planet-smart dairy farming."

The relaunch comes at a pivotal time, as dairy farmers face increasing regulatory, environmental, and market pressures. With USDA and CDFA support and broad dairy sector collaboration, this AMP initiative will expand implementation of practices that promote long-term sustainability and create new revenue opportunities for dairy farmers.

For more information on the Advancing Markets for Producers and the Dairy Plus Program, visit cdrf.org.



PROUDLY SERVING FARMERS SINCE 1954

NEW & USED SALES - SERVICE - PARTS - RENTALS

A PARTNER IN YOUR COMMUNITY



Colusa, CA - Dixon, CA - Dos Palos, CA - Merced, CA - Redding, CA
Stockton, CA - Stratford, CA - Turlock, CA - Willows, CA - Yuba City, CA
Reno/Sparks, NV - Harrisburg, OR - Hillsboro, OR
Madras, OR - Rickreall, OR - Woodburn, OR

(888) 246-0892



*PER MANUFACTURER AGREEMENTS, ITEMS LIMITED TO AUTHORIZED LOCATIONS.

Soil-Biodegradable Mulch Films: *Insights from Field Research*



Manpreet Singh

Manpreet Singh, Technology and Innovation for Small Farms Advisor, UC Kearney-REC, Parlier

Conventional polyethylene (PE) mulch has long been a staple in high value vegetable and berry production systems. It warms soil, conserves moisture, and suppresses weeds. However, its end-of-season removal and disposal can be labor-intensive and expensive. Soil contaminated PE mulch is rarely recyclable, and leftover fragments down into micro and nanoparticles, that persist in fields for years. Soil-biodegradable plastic mulch (BDM) films offer an alternative. These materials are designed to be tilled into the soil after harvest, where microbes convert them into carbon dioxide, water, and organic matter.

Commercially available BDMs are made from blend of biodegradable polymers - derived from plants such as corn starch (PLA, PHA), and from petro-based polymers (like PBAT or PBS). In addition, BDMs contain various additives, to improve their properties and performance, including plasticizers. The key distinction is that true BDMs are meant to biodegrade in soil, not just fragment like “oxo-degradable” plastics.

Research trials across crops such as tomatoes, peppers, broccoli, melons, strawberries, and pumpkins, have shown that BDMs can provide weed control and yields comparable to PE mulch. It is important to select a BDM film with the appropriate thickness for the crop’s growing season to ensure the film remains intact throughout the critical weed-free pe-

riod. In heavy-fruit crops like pumpkin, mulch fragments can stick to fruit surfaces and affect market appearance. For fields with nutsedge pressure, note that both PE and plastic BDMs can be pierced; paper-based mulches often perform better for nutsedge suppression.

Degradation rates depend on temperature, soil moisture, and microbial activity. The warm conditions of the San Joaquin Valley favor faster breakdown once the film is tilled into the soil. However, real-world decomposition is slower than lab tests, so remnants may persist for more than two years before fully mineralizing. Short to medium term studies (up to four years) have found no significant effects of BDM use on soil health indicators such as pH, microbial activity, or organic matter. Unlike PE fragments, BDM residues continue to decompose over time and do not accumulate as microplastics.

Rolls of BDM typically cost 2-3 times more than PE but may offset by savings from skipping plastic removal and disposal at the end of growing season. Washington State University’s Mulch Calculator lets you plug in labor, disposal, and material costs to compare scenarios for your operation.

Organic Status: No commercially available plastic BDM is approved for certified organic production in the U.S. The National Organic Program requires BDM to be biobased determined using ASTM D6866 test; current products do not meet that requirement.

Trials are underway at the UC Kearney-REC in Parlier to evaluate BDM films under San Joaquin Valley conditions using strawberry as a model crop. If you’re seeking an alternative to plastic mulch, testing BDM on a few beds can be a practical next step. For on-farm trial support or specific questions about BDMs, contact Manpreet Singh at mansing@ucanr.edu or 559.646.6535.

Colusa Farm Show
61st Annual Colusa Farm Show
The Granddaddy of all Farm Shows!

For six decades, the Colusa Farm Show has been the one stop shop event for agricultural professionals, farmers, and rural enthusiasts.

Explore the latest innovations in farm equipment, technology, and services. Connect with industry experts, farmers and ranchers. Discover new products and services to enhance your agricultural operations.

Join us:

- 300+ EXHIBITORS
- FREE ADMISSION
- FREE PARKING
- FOOD CONCESSIONS
- COFFEE VENDOR

BECOME AN EXHIBITOR

Phone Number
530-458-2641

website
www.colusafairgrounds.com

Email
farmshow@colusacountyfair.com

FEB 3RD-5TH 2026



PACIFIC AG RENTALS

RENT THE BRANDS YOU TRUST

www.pacificagrentals.com
(866) 727-7368



World Ag Expo® Announces 2026 Top-10 New P

The results are in for World Ag Expo's 2026 Top-10 New Products Contest sponsored by the F3 Initiative. The winners will be showcased February 10-12, 2026 during the World Ag Expo in Tulare, California.

The field of new products was submitted by exhibitors, showcasing innovations ranging from simple solutions to advanced technologies. The competition was evaluated by a panel of judges comprised of farmers, ranchers, and industry professionals.

Contest winners will be honored at the show and prominently highlighted throughout the event. Recipients will be noted on show maps, identified with "Top-10 Winner" flags at the show, and recognized at World Ag Expo Opening Ceremonies on Tuesday, February 10, 2026.

The competition is conducted annually by the International Agri-Center in conjunction with World Ag Expo, which draws more than 1,200 exhibitors and an estimated annual average of 100,000 individuals from 60 countries. Exhibitors must nominate their products for judging by the October 31 deadline to be eligible.

For more information on the contest and winners, including contacts, please email media@farmshow.org.

2026 Boson by Boson Motors San Jose, California, USA



Boson is an electric, modular work platform built for growers who need capability without complexity. Boson delivers the strength of a one-ton truck with the intelligence and flexibility of modern electric power. At its core is a rugged, proven electric base that hauls, tows, and scouts right out of the box. Growers can add exactly what they need: attachments for spraying, material movement, or autonomy. Every module bolts on in minutes, transforming the same base into a new tool without downtime or special equipment.

Two high-torque electric motors put a ton of force to the ground, handling steep terrain and heavy loads while remaining quiet, clean, and nearly maintenance-free. Independent suspension and a balanced design ensure stability and a smooth ride. Optional onboard power allows tools or sensors to run directly from the vehicle, eliminating the need for generators or extra fuel. Boson is a grower-first design: tough enough to replace multiple machines, smart enough to evolve.

Space R41 | bosonmotors.com

Find My Cow Flash by CowManager Shawano, Wisconsin, USA



With Find my Cow Flash, the flashing light on the ear sensor makes it easy to identify the right cow, heifer or calf, even in crowded pens. Activate the light from your app or desktop and spot your cow in seconds.

Spaces 6513-6517 | cowmanager.com

Amiga Max by Bonsai Robotics San Jose, California, USA



The Amiga Max is a compact, high-performance autonomous farming robot that delivers heavy-duty power with superior maneuverability thanks to its 4-wheel drive and steering. Engineered for commercial operations, it handles spraying, weeding, towing to 5,000 lbs, hauling to 2,000 lbs, and lifting to 1,500 lbs (via CAT 1 three-point system). It's configurable across bedded and row crops, orchards, greenhouses, and more. Built for tough terrain, heavy loads, tight spaces, and continuous uptime—especially with the hybrid electric option—the Amiga Max pairs rugged reliability with affordable, intelligent automation by Bonsai Intelligence.

Space: JK3 | bonsairobotics.ai

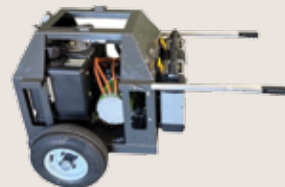
MS Electron by Monosem Edwardsville, Kansas, USA



The MS Electron is a cutting-edge, fully electric vegetable planter designed for high-precision planting of small seeds like onion, lettuce, melon, spinach, carrot, etc.. It combines innovation, efficiency, and smart technology to deliver superior planting performance. The MS Electron is engineered for growers seeking maximum precision, efficiency, and adaptability in vegetable planting. With its advanced seed sensor technology, electric drive, and customizable components, it represents a significant leap forward in agricultural technology.

Space 049 | monosemusa.com

eHPU (Electrified Hydraulic Power Unit) by Hydraulic Controls, Inc. Concord, CA, USA



The Electrified Hydraulic Power Unit (eHPU) is a high-performance, battery-powered hydraulic system with adjustable flow and pressure, smart control logic, touchscreen and radio remote operation, designed for efficient, safe, and versatile mobile or stationary use.

Space I29 | hydraulic-controls.com

Product Contest Winners

Automatic Head Height Control by Orchard Machinery Corp. Yuba City, California, USA



An advanced Nut Harvester featuring Automatic Pickup Head Height Control, designed to optimize harvesting performance across varying terrain conditions. This innovative system automatically adjusts the pickup head height in real-time, allowing for consistent ground contact and improved nut collection efficiency.

The automation minimizes the need for manual adjustments, reducing operator fatigue and increasing productivity. By maintaining an optimal head height, the system also reduces wear on components, enhances machine longevity, and contributes to lower overall operating costs. The result is a more efficient, user-friendly harvester capable of delivering higher yields, improved ground-following precision, and reduced labor input.

Spaces: M19, M21, M23, M25, M31, M33 | shakermaker.com

TerraTrap™ Ground Squirrel Kit by Automatic Trap Company Sonoma, California, USA



The TerraTrap GS is a humane, non-toxic, multi-kill system engineered by veteran California pest-control operators and proven effective on both California Ground Squirrels and Richardson Ground Squirrels. The TerraTrap GS design dramatically improves approach and strike rates compared to exposed or artificial-looking equipment. At the core of the TerraTrap GS is a CO₂ powered, self-resetting kill unit capable of delivering up to 18 humane, instant kills per cartridge. After each strike, the system automatically resets and releases the squirrel, allowing scavengers to remove it from the environment. Space 3430 | automatictrap.com



Stinger TerraFrame Max M120 Feed Chassis by Stinger, Inc. Burrton, Kansas, USA



The Stinger TerraFrame Max M120 Feed Chassis is the first custom-designed off-road chassis for the commercial dairy and feedlot industry. This chassis is built from the ground up with components not available on factory assembly line-produced OTR (over the road) trucks.

The TerraFrame Max is built to the customer's needs and designed ready for the customer's specific chosen feed bed. With the custom-designed center mount cab, the operator has an uncompromised view of both the feed bunk ahead and behind the operator's seat. Customized low gear ratios, along with oversized off-road tires give the operator uncompromised power and floatation.

Spaces SS87, SS89, DS78 | stingerltd.com

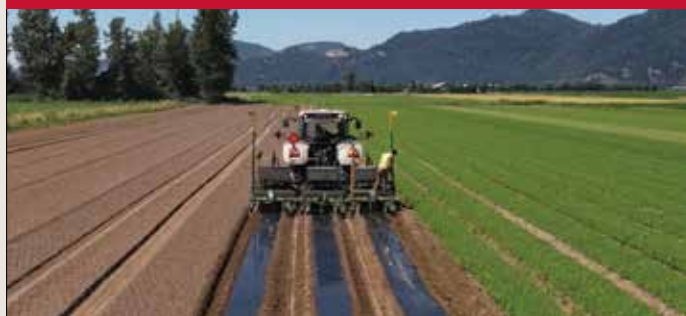
Carbon ATK by Carbon Robotics Seattle, Washi, USA



Carbon ATK, the most reliable tractor autonomy solution that eliminates costly stoppages and the need for farmer intervention. Operating 24/7 under the supervision of Carbon Robotics' trained remote operators, ATK ensures continuous, reliable performance with real-time monitoring and control.

Space 036, 038 | carbonrobotics.com

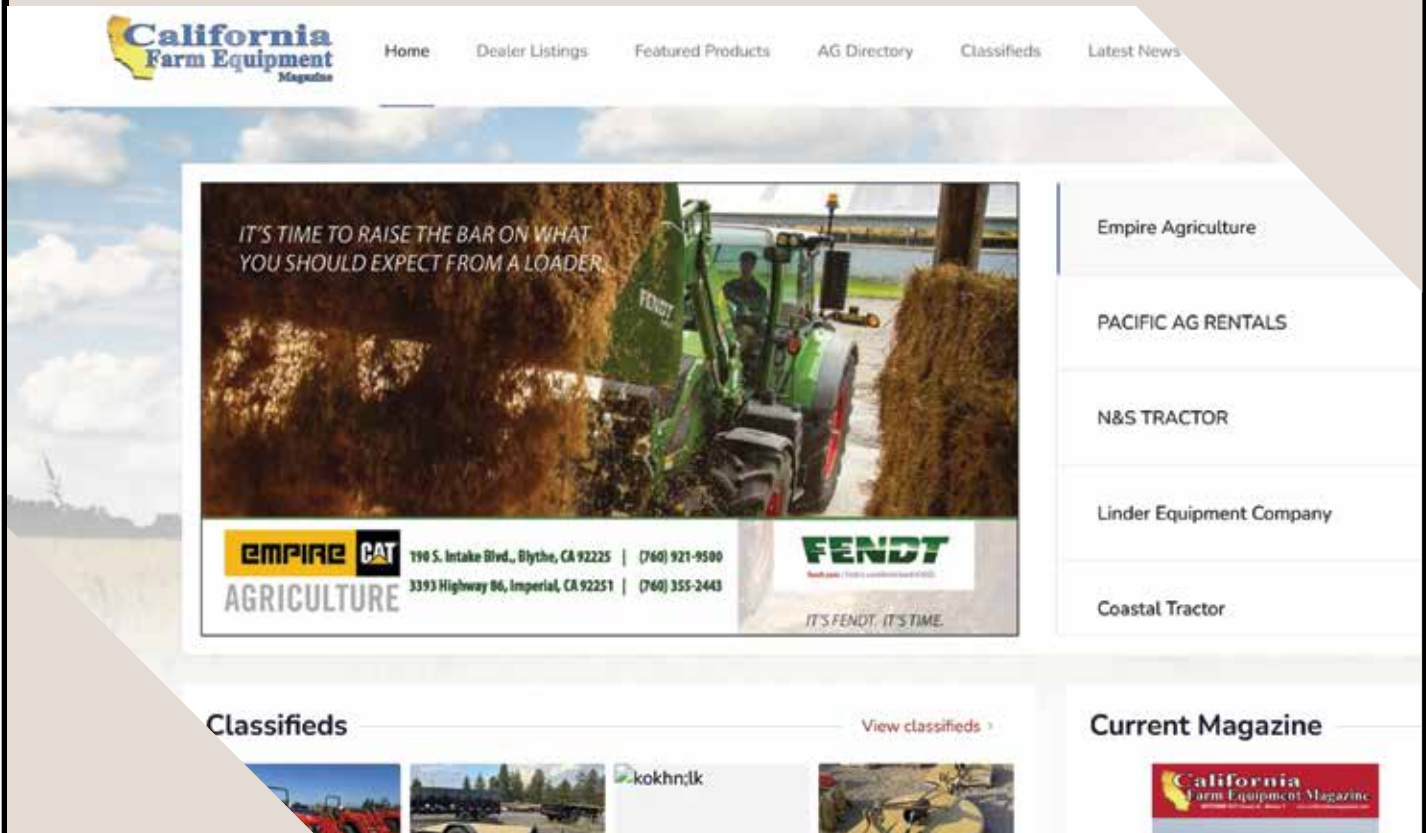
būmigro Mulch Film by būmi Herber City, Utah, USA



būmigro™ Mulch Film is a microbe-edible, durable, and farm-ready mulch film made from upcycled agricultural biomass. It delivers the same strength, flexibility, and performance as traditional plastic mulch—retaining moisture, suppressing weeds, and warming soil—but breaks down naturally after use.

Customizable to when the season ends, the film is then simply tilled into the soil, where it's consumed by microorganisms and converted into organic matter, water, and carbon dioxide—leaving behind no plastic, no toxins, and no waste. Space 3124 | bumigro.com

FREE CLASSIFIED ADS



**REACH YOUR
AUDIENCE EASILY**

**FREE AD
POSTING**

◆ **DISCOVER THE POWER OF FREE CLASSIFIEDS** ◆

VISIT OUR WEBSITE TODAY: www.cfemag.com

FALL DEALS!

Compressor-Welder-Generators

- Industrial grade gas or diesel engine
- Industrial grade welder/generator
- Heavy duty industrial compressor pump
- Belt guard after cooler
- Battery mounted and wired
- Electric start engine
- Vibration pads
- Stainless steel flex lines
- Automatic tank drain
- Freight pre-paid in lower 48 states and southern Canada



Reciprocating
Compressor
Welder
Generator



Rotary Screw
Compressor • Welder • Generator



Give us a call. We can help you find the equipment to meet your needs, no matter how big, small, or rugged the job may be.

PRECISION
AIR SYSTEMS, INC.

661.631.2295 Toll Free 866.270.5520

JACOB "JAKE" DUNCAN
jduncan@precisionairsystems.com

TOM DUNCAN
tduncan@precisionairsystems.com

Beef and Dairy Producers on High Alert as Flesh-Eating Parasite Approaches U.S. Border

Beef cattle and dairy producers across the western United States are growing increasingly concerned as the New World screwworm—*Cochliomyia hominivorax*, a flesh-burrowing blowfly larva—continues advancing northward through Mexico. Earlier this fall, the parasite was detected in cattle just 70 miles from the U.S. border, with another confirmed case in late November in Nuevo León, directly adjacent to Texas.

Although the screwworm has not yet entered the United States, Mexico and Central America have reported more than 140,000 animal cases and over 1,000 human cases since the outbreak began in 2023. The steady northward movement has raised alarms among livestock producers, veterinarians and state agencies.

According to USDA economic models, a screwworm incursion in Texas alone could cost livestock producers \$732 million annually, with statewide economic losses reaching \$1.8 billion. California producers—responsible for the nation's top-valued dairy sector (\$8.61 billion) and a \$4.98-billion cattle and calf industry—are watching developments closely.

"Controlling and preventing the impact of the New World screwworm are the majority of the questions I'm receiving now," said Brooke Latack, University of California Cooperative Extension (UCCE) livestock advisor for Imperial, Riverside and San Bernardino counties. Imperial County, which borders Mexico, is home to roughly 329,000 head of cattle. "There is definitely concern among producers, industry members and veterinarians."

For the dairy sector, the stakes are even higher. "Dairy cows produce milk every day, and it must be processed immediately," said Daniela Bruno, UCCE dairy advisor for Fresno, Madera and Kings counties. "If a farm is quarantined or a plant shuts down, milk spoils quickly and must be dumped." Bruno urges producers to diversify processing options, review insurance coverage and strengthen biosecurity protocols—especially as avian flu has also reemerged in California dairies.

A Parasite With Devastating Impact

The New World screwworm poses severe animal-welfare and economic risks. Mortality can reach 100% in newborn

calves, and the parasite can infect any warm-blooded animal, including wildlife, pets and humans.

"It can affect and kill any warm-blooded animal, but we are particularly concerned about our cattle here," said Gaby Maier, Cooperative Extension specialist in beef cattle herd health at the UC Davis School of Veterinary Medicine. Data from Panama's recent outbreak show that 83% of cases occurred in bovines.

Female screwworm flies lay hundreds of eggs in even the smallest wounds—such as tick bites or natural body openings. The larvae then burrow head-first into living tissue using sharp mouth hooks, enlarging the wound as they feed. Secondary infections, sepsis and death can occur within seven to 14 days.

Producers who witnessed infestations before the parasite's eradication in the U.S. describe the smell of decomposing flesh in live animals and, in some wildlife cases, larvae consuming entire organs. "It's really out of a horror movie," Maier said.

Renewed Federal and State Response

The New World screwworm was eradicated from the U.S. in the 1960s through the release of sterile male flies. A USDA-Panama facility (COPEG) continues producing 110 million sterilized flies weekly to maintain a protective barrier in Central America.

Experts cite several possible reasons for the parasite's resurgence north of the eradication zone, including illegal livestock movement, reduced border inspections during COVID-19 and deforestation in the Darién Gap.

In response to the current threat:

- The U.S. southern land border is closed to cattle and horse movement
- Surveillance and rapid-response teams have been expanded
- Sterile fly releases are deployed immediately around confirmed cases
- New preventive and treatment drugs have been conditionally authorized
- USDA has launched [screwworm.gov](https://www.screwworm.gov) to provide real-time updates for producers and the public

State and federal agencies emphasize that early detection and strict biosecurity remain the most effective tools for preventing an incursion.

Stop By and See Your Local New Holland Dealer Today!

FAIRFIELD

GARTON TRACTOR INC.
707-425-9545

FRESNO

GARTON TRACTOR INC.
(Kuckenbecker Tractor)
559-485-9090

KING CITY

COASTAL TRACTOR CO.
831-385-5401

MADERA

GARTON TRACTOR INC.
(Kuckenbecker Tractor)
559-674-2496

MERCED

N&S TRACTOR CO.
209-383-5888

MODESTO

GARTON TRACTOR INC.
209-538-0911

NEWMAN

GARTON TRACTOR INC.
209-862-3760

PASO ROBLES

COASTAL TRACTOR CO.
805-239-5772

RIO VISTA

DOLK TRACTOR CO.
707-374-6438

SALINAS

COASTAL TRACTOR CO.
831-757-4101

SANTA ROSA

GARTON TRACTOR INC.
707-586-1790

STOCKTON

GARTON TRACTOR INC.
209-948-5401

STRATFORD

N&S TRACTOR CO.
559-947-3301

TULARE

GARTON TRACTOR INC.
559-686-0054

TURLOCK

GARTON TRACTOR INC.
209-632-3931

UKIAH

GARTON TRACTOR INC.
707-468-5880

Solutions for a changing world!

MAKE THE RIGHT MOVE FOR TOMORROW, TODAY.



Plan ahead for your equipment and production needs. Act now to lock in the best pricing and secure the equipment you need for the season ahead. Make smart decisions for a successful year. That's the right move. And it starts at your New Holland dealer. **Stop in today!**





New Regenerative Pilot Program to Lower Farmer Production Costs

U.S. Secretary of Agriculture Brooke L. Rollins, alongside U.S. Health and Human Services Secretary Robert F. Kennedy, Jr., and Centers for Medicare & Medicaid Services Administrator Dr. Mehmet Oz announced a \$700 million Regenerative Pilot Program to help American farmers adopt practices that improve soil health, enhance water quality, and boost long-term productivity, all while strengthening America's food and fiber supply.

Building off the Make Our Children Healthy Again Strategy released in September, the U.S. Department of Health and Human Services (HHS) is also investing in research on the connection between regenerative agriculture and public health, as well as developing public health messaging explaining this connection.

"Protecting and improving the health of our soil is critical not only for the future viability of farmland, but to the future success of American farmers. In order to continue to be the most productive and efficient growers in the world, we must protect our topsoil from unnecessary erosion and improve soil health and land stewardship. Today's announcement encourages these priorities while supporting farmers who choose to transition to regenerative agriculture. The Regenerative Pilot Program also puts Farmers First and reduces barriers to entry for conservation programs," said Secretary Brooke Rollins. "This is another initiative driven by President Trump's mission to Make America Healthy Again. Alongside Secretary Kennedy, we have made great strides to ensure the safe, nutritious, and affordable food our great farmers produce make it to dinner tables across this great country."

"In September, under President Trump's leadership, we released the MAHA Strategy Report, which includes a full section on soil health and land stewardship," said HHS Secretary Kennedy. "Today's regenerative farming announcement directly advances that deliverable. If we intend to Make America Healthy Again, we must begin by restoring the health of our soil."

"We cannot truly be a wealthy nation if we are not also a healthy nation. Access to wholesome, nutritious, and affordable foods is a key tenet of the Make America Healthy Again agenda, which President Trump has directed this administration to execute across all government agencies," said CMS Administrator Dr. Mehmet Oz. "I commend Secretary Rollins and Secretary Kennedy for today's efforts to strengthen our nation's food supply."

Protecting Soil and Reducing Production Costs

In response to the Dust Bowl in the 1930s, Congress created the USDA Natural Resources Conservation Service (NRCS) to help people help the land and improve conservation of the nation's soil and water resources.

This action led to improved soil health and natural resources management which, in turn, has led to increased productivity. Between 1948 and 2021, total U.S. farm produc-

tion increased 190% while total farm inputs—such as land, labor, and water—decreased 2% in the same period.

However, current conservation programs at USDA have become overly burdensome and farmers are bogged down with red tape whenever they try to adopt soil health and regenerative agriculture practices. Even with the improved soil health since the creation of NRCS, USDA data shows that farmers recently reported that 25% of acres had water-driven erosion concerns and 16% of acres had wind-driven erosion concerns.

The Regenerative Pilot Program directly addresses these challenges by cutting administrative burdens for producers, expanding access to new and beginning farmers, and boosting yields and long-term soil resilience across operations.

About the Regenerative Pilot Program

Administered by NRCS, this new Regenerative Pilot Program delivers a streamlined, outcome-based conservation model—empowering producers to plan and implement whole-farm regenerative practices through a single application. The initiative highlights USDA's commitment to putting Farmers First and advancing the Make America Healthy Again agenda by building a healthier, more resilient food system.

In FY2026, the Regenerative Pilot Program will focus on whole-farm planning that addresses every major resource concern—soil, water, and natural vitality—under a single conservation framework. USDA is dedicating \$400 million through the Environmental Quality Incentives Program (EQIP) and \$300 million through the Conservation Stewardship Program (CSP) to fund this first year of regenerative agriculture projects.

Producers can now bundle multiple regenerative practices into one application, streamlining the process and increasing flexibility for operations. The program is designed for both beginning and advanced producers, ensuring availability for all farmers ready to take the next step in regenerative agriculture.

Chief's Advisory Council

To keep the Regenerative Pilot Program grounded in practical, producer-led solutions, NRCS is establishing the Chief's Regenerative Agriculture Advisory Council. The Council will meet quarterly, with rotating participants, to advise the Chief of NRCS, review implementation progress, and help guide data and reporting improvements. Its recommendations will shape future USDA conservation delivery and strengthen coordination between the public and private sectors.

How to Apply

Farmers and ranchers interested in regenerative agriculture are encouraged to apply through their local NRCS Service Center by their state's ranking dates for consideration in FY2026 funding. Applications for both EQIP and CSP can now be submitted under the new single regenerative application process.

IT'S TIME FOR A TRACTOR YOU CAN PUT TO WORK
365 DAYS A YEAR.



The new 500-HP Fendt® 1000 is a technological marvel: big, immensely powerful and full of firsts — like a new hydro-pneumatic cab suspension. The first clutch-less, step-less transmission. And the first drive train that powers both axles independently. In short, it's the best year-round tractor we've ever built. And, likely, the best one you'll ever own. Learn more at fendt.com or visit Empire Agriculture.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.



190 S. Intake Blvd., Blythe, CA 92225 | (760) 921-9500

3393 Highway 86, Imperial, CA 92251 | (760) 355-2443

www.empireag.com

IT'S FENDT. IT'S TIME.

© 2019 AGCO Corporation. Fendt is a worldwide brand of AGCO Corporation. AGCO® and Fendt® are trademarks of AGCO. All rights reserved.

USDA to Conduct 2025 Organic Survey

NASS will mail the survey to all known organic farms and ranches within the 50 states

The U.S. Department of Agriculture's (USDA) National Agricultural Statistics Service (NASS) will conduct the 2025 Organic Survey. In Early December, NASS will mail survey codes to respondents with an invitation to reply online. NASS will follow up by mailing the full questionnaire in early January. Last conducted in 2021, this Census of Agriculture special study will look to gather new data on organic production, marketing practice, income, and expenses in the United States. This effort is critical to help determine the economic impact of organic agriculture production on the nation. The results will be available on October 30, 2026.

"Organic agriculture is a growing industry, and it is our job as a federal statistical agency to help measure this part of the agriculture sector," NASS Administrator Joseph Parsons. "We are excited to provide data on organic agriculture that will help inform organic producers and other industry professionals to make informed

decisions for their operations."

The 2025 Organic Survey is part of the Census of Agriculture Program and as such is required and protected by law (Title 7 USC 2204(g) Public Law 105-113). These federal laws require producers to respond and USDA to keep identities and answers confidential. Farmers and ranchers who receive the survey may complete it securely and conveniently online at ag-accounts.usda.gov or by mail. The deadline for response is February 5, 2026.

NASS will mail the survey to all known organic farms and ranches within the 50 states, as well as those producers transitioning to certified organic production. The questionnaire asks producers to provide information on acreage, production, and sales as well as production and marketing practices.

For more information about the 2025 Organic Survey, visit nass.usda.gov/go/organic.

APPRAISALS

Taylor AG Equip. Appraisals

ASAA Certified 34 Years
ASFMRA 2014
USPAP & Valuation
Retail AG Sales 40 + Years
916-806-7431 David

FARM EQUIPMENT

1500 Gallon Water Tank Trailer. Has good running Honda pump. Good condition. \$2500 cash. Call 559-284-5940

2000 F250 SUPER DUTY V8. Has 7.3L engine, 331,000 miles, 2 new batteries \$5,500.00
Call 559-740-8444



2000 MF 394 Tractor, Cab, 4WD, Front/Rear Brakes, \$14,500.
150 Gallon 3 Pt., Rears Pak Blast 100 Far Sprayer \$1,000. For More Info Contact Phil Marcucci (707) 546-3727 or marcuccifarms@comcast.net



DURAND WAYLAND - Sprayer
1706A, 500 gallon orchard sprayer, 6 cylinder engine, stainless steel tank, \$30,000.00 OBO
Call Jim (209) 614-9486

RENTALS

RENTALS: We Rent Farm Equipment. Linder Equipment Co., Tulare, CA. 559-685-5000.

PACK MACHINE

- 16 pack stations
 - 2 variable speed belts (20 in. x 35 ft.)
 - attached 8 ft. rotating tub
 - and exit conveyors
-\$23,000.00
Call
530-570-7211



PUMA 200 RENTAL #ZGES03031 200 PTO HP, FRT: 380/85R30 RT: 380/90R46 w/ duals, RW: 1,100 LBS, GPS ready, 3 Electronic remotes, Warranty: only warranty 6/21/21 warranty end date or 5000 hrs. Whichever comes first, Hours 3511Call for Price
PLUS More Rentals to Choose From
LINDER EQUIPMENT CO.
559-685-5000



AUCTIONEERS & APPRAISERS

Office 209-366-0600 Cell 209-481-2200

info@mulrooneyauction.com • www.mulrooneyauction.com

Edward J Chadwick YAKIMA'S BEST LOGISTICS LLC

"For Your Next Shipment Call
YAKIMA'S BEST LOGISTICS LLC
for a quick response and competitive rate"



- FLATBED
- DRY VAN
- REFRIGERATED
- HOTSHOT CARRIERS AVAILABLE

509.833.7880
ed@yvlogistics.com



2022 TYM T1104, 100 HP to 174 HP
.....\$54,500.
San Joaquin Tractor Co.
Bakersfield, California 93305
Phone: (661) 705-6133

WANTED - MISC.

CAT D4 7U Series wide gauge w/CAT bulldozer blade, CAT front pump & hydraulic cylinder.
Speedstar 71 Cable tool Drill Rig w/6" bit tool string & bailor.
Colt/Fairbanks - Morse semi-modern 1 cyl. engine w/condensor radiator/fan on top of hopper, 6 hp.
Massey Ferguson 4WD Skiploader.
Tim at 661.733.7677
(Palmdale)

WANTED

FORD BACKHOE for a Ford 4500, 450 Industrial 2000 old gas Skiploader w/bucket.
FORD NAA JUBILEE 1953 Flathead Tractor.
INTERNATIONAL TD9 Bulldozer, has B&E side/arms, front pump, angle blade.
CAT D4 7U SERIES (1948 TO 1960) Bulldozer w/Cat hydraulic system. For Cat D2, D4 Tractors; BE-GE rear pump.
Tim at 661.733.7677 • 661.492.9057
(Palmdale, Antelope Valley)

Don't Forget to Pray!

- Pray for your people and your products.
 - Pray for your grounds and your gear.
- If you would like prayer support
Call Kevin
925-765-4849

Gould Auction
& Appraisal Co. LLC
661.587.3123
GouldAuction.com
gouldhitch@aol.com

Integrity
Experience
Results



SUMMER SALE!



2024 CASE IH Farmall 25A Series II, 24.6 HP MFWD1567 hrs., # CA1893\$18,900*



2014 CLAAS ROLLANT 455 UNIWRAP Round Baler # LZE066\$29,500*



2020 ANDERSON 590HS Bale Wrappers\$19,900*



1-888-246-0892

www.nstractor.com

QUALITY EQUIPMENT & SUPERIOR
CUSTOMER SERVICE

*Plus tax, shipping, etc.

(2) LILISTON 6200 EDIBLE BEAN HARVESTERS 2010

Liliston Edible Bean Harvester. Refurbished in Good Working Condition. \$13,000.00 each. Reasonable Offers Will Be Considered. Call (209) 614-9486

Run It Til It **SELLS!**

“Let us help you sell your equipment-
with one low-cost classified ad!”
...and as an added bonus we'll list your
classified ad on the world wide web
for no additional charge!
**Use this order form to place your ad
or give us a call today!**

- Minimum ad size is 15 words.
- Mail order form and payment to:

California Farm Equipment Classifieds
P.O. Box 1128
Visalia, CA 93279-1128

- Or call in your ad Today!

559-627-2182

A friendly classified representative will help you with your ad.
Please have your credit card ready when you call.

Name _____

Street _____

City _____ State ____ Zip _____

Phone _____ E-mail _____

Method of payment enclosed:: ☐Check ☐Money Order

Credit Card: ☐Visa ☐MasterCard ☐American Express

Account Number _____ CID# _____

Exp. Date _____

Signature _____

of Words in Ad? _____ Month ad should appear in: _____

What Category to run ad under: _____

Fill out below exactly how your ad should appear. Please print
clearly- One word per line. Phone number is one word.

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	15-\$19.00
16-\$19.90	17-\$20.80	18-\$21.70	19-\$22.60	20-\$23.50
21-\$24.40	22-\$25.30	23-\$26.20	24-\$27.10	25-\$28.00

UPCOMING EVENTS

JANUARY 2026

27-29: 2026 Unified Wine & Grape Symposium. A two-day trade show with hundreds of exhibitors showcasing the latest products, services, and technologies. Educational sessions covering a wide range of viticulture, enology, business, and regulatory topics. Sacramento, CA. For information call 1 (530) 753-3142 or email: info@unifiedsymposium.org.

FEBRUARY 2026

3-5: Colusa Farm Show. The Oldest Farm Show in the West. Celebrating 61 Years of Agricultural Excellence! Farmers, suppliers, and buyers meet to explore the latest in modern farming equipment and techniques. Join us for an unparalleled opportunity to stay ahead of the curve and revolutionize your farming practice. For information call 530-458-2641.

10-12: World Ag Expo®, the largest annual agricultural show of its kind. Held in Tulare, California, World Ag Expo® provides a platform of networking, education, and business in one of the most productive ag counties in the United States. For information visit: <https://www.worldagexpo.com>

APRIL 2026

17-18: California Antique Farm Equipment Show™ Tulare, CA. Farm equipment from around the U.S. is showcased in this incredible event that everyone enjoys. Kids especially marvel at the shapes and functions of some of the unique, antique machines. If not the biggest, this is certainly one of California's largest gatherings of antique farm equipment that the family will love. Antique farm equipment collectors bring their antique tractors, engines and implements once used to cultivate the soil. For informatio visit: antiquefarmshow.org

21: California Agriculture Day, West Steps of the State Capitol. Hosted in partnership with California Department of Food and Agriculture and California Women for Agriculture. Ag Day is an annual celebration recognizing California's agricultural community by showcasing the bounty of crops and commodities produced in our state. It is also a day for farmers and ranchers to show their appreciation by bringing together state legislators, government leaders and the public for agricultural education.

To list your special event in California Farm Equipment send details to CFEM, PO Box 1128, Visalia, CA. 93279. or email to: info@cfemag.com.

FOR SALE

10-1/2' hydraulic disc\$1,850.00
Rears Mower\$6,200.00
3 PT. Equipment
3 blade ridger\$2,250.00
3 shank ripper\$2,000.00
12 ft. spring tooth with harrow\$1,000.00
Call John - leave message or text (209) 988-8440



Subscribe to California Farm Equipment

Digital - FREE Subscription • Print - Paid Subscription

California Farm Equipment (CFEM) has assisted in the "Growth" of the Agriculture Business for over 40 years. The structure of the magazine has proven, over the years to be of great value in the agriculture world. Each issue contains small to large equipment for sale, new products, up-to-date editorial, research and technology updates, along with agribusiness news. CFEM is published monthly. Subscribe now and get each issued delivered to your mailbox or your digital issue delivered to your inbox monthly.



Subscription - Print

- ☐ **Annual Subscription \$18.00** 12 issues delivered to your mailbox monthly.
☐ **3 Year Subscription \$36.00** 36 Issues delivered to your mailbox monthly. (One year free)
 (Check the subscription you want to subscribe to)
 International Subscribers call (559) 627-2182

Billing Information

First Name _____

Last Name _____

Email _____

Address _____

City _____ State _____ Zip Code _____

Card Details

☐ Visa ☐ MasterCard ☐ American Express

Cardholder Name _____

Account Number _____

Expiration Date ____ / ____

CVV _____ Zip Code _____

**We do not share or sell your information.*



Sign Up for our FREE Digital Subscription

Delivered to your Inbox monthly.

First Name _____

Last Name _____

Email _____

Website: www.cfemag.com

Email: info@cfemag.com

**We do not share or sell your information.*

Mail form to: CFEM • P.O. Box 1128 • Visalia, CA 93279 or Email to: info@cfemag.com



KUBOTA M SERIES

Versatility. It runs in the family.

Handle just about anything the farm throws at you with the Kubota M Series. An ergonomic design provides all-day comfort. Powerful and efficient engines handle big jobs. And Kubota designed and built fronts.

Visit your Kubota dealer today for a demo!

KubotaUSA.com

FRESNO

Pioneer Equipment Co.
559-486-7580

MERCED

Garton Tractor, Inc.
209-726-4600

MODESTO

Garton Tractor, Inc.
209-538-0911

NEWMAN

Garton Tractor, Inc.
209-862-3760

REEDLEY

Pioneer Equipment Co.
559-638-9201

RIO VISTA

Dolk Tractor Company
707-374-6438

SANTA ROSA

Garton Tractor, Inc.
707-586-1790

STOCKTON

Garton Tractor Inc.
209-948-5401

TULARE

Linder Equipment Co.
559-685-5000

TURLOCK

Garton Tractor, Inc.
209-632-3931 • 877-872-2867

UKIAH

Garton Tractor, Inc.
707-468-5880

Kubota

* © Kubota Tractor Corporation, 2025. This material is for descriptive purposes only. Kubota disclaims all representations and warranties, express or implied, or any liability from the use of this material. For complete warranty, safety, incentive offer and product information, consult your local dealer or go to KubotaUSA.com. 24 Months or 15,000 Bales (whichever occurs first).

Auctions/Appraisals

Gould Auction
.....www.gouldauction.com

Mulrooney Auction
.....www.mulrooneyauction.com

Taylor Ag Equipment Appraisals
www.linkedin.com/in/david-g-taylor-b4226a19

Equipment

Agco Corporation
.....www.agcocorp.com

American Loan Masters
.....www.pjtrailers.com/stores/american-loan-masters/

Bobcat Central
.....www.bobcatcentral.com

Case Corporation
.....www.caseih.com

Coastal Tractor Company
.....www.coastaltractor.com

Dolk Tractor Company
.....www.dolktractorcompany.com

Donahue Corporation
.....www.donahuetrailers.com

Empire Agriculture
.....www.empireag.com

Exeter Mercantile
.....www.exetermercantile.com

Garton Tractor Inc
.....www.gartontractor.com

Grasshopper
.....www.grasshoppermower.com

Hanford Equipment Company
.....www.hanfordequipmentco.com

Kubota Corporation
.....www.kubotausa.com

LAFORGE Systems Inc
.....www.laforgegroup.com

Lane Tractor Sales Inc
.....www.lanetractor.com

Linder Equipment
.....www.linderequipment.com

Live Earth
.....www.liveearth.com

Massey Ferguson
.....www.masseyferguson.com/en_us

N & S Tractorwww.nstractor.com

New Holland
agriculture.newholland.com/en-us/nar

Pacific Ag Rentals
.....www.pacificagrentals.com

Peltzer Enterprises Inc
.....www.peltzerenterprises.com

Pioneer Equipment
.....www.pioneerequipment.com

Plantel Nurseries
.....www.plantelnurseries.com

Powerland Equipment
.....www.powerlandequipment.com

Precision Air Systems Inc
.....www.precisionairsystems.com

Quality Machinery
.....quality-mc.com

Quinn Company
.....www.quinncompany.com

Rubicon Equipment
.....www.rubiconequipment.com

San Joaquin Tractor
.....www.sanjoaquintractor.com

Sonsray Machinery
.....www.sonsraymachinery.com

South Kern Machinery
.....www.kernmachinery.com

Tractor City Inc
.....www.tractorcityinc.com

Trailer Superstore
.....www.pjtrailers.com/stores/trailer-super-store/

Valley Forklift Inc
.....www.valleyforklift.com

Valley Tractor
.....www.valleytractor.com

Wilkinson International
.....www.wilkinsoninternational.com

Manufacturers

McIlroy Equipment
.....www.mcilroyequipment.com

Nikkel Iron Works
.....www.nikkelironworks.com

Smith Welding & Machine Shop
.....www.smithweldingshop.com

Farm Shows

Antique Farm Show
.....www.antiquefarmshow.org

Colusa Farm Show
.....www.colusafairgrounds.com/colusa-farm-show/

World Ag Expo
.....www.worldagexpo.com/

Federal Government

Army Corps of Engineers
.....www.nwpl.sec.usace.army.mil

Bureau of Land Management
.....www.blm.gov

Farm Service Agency
.....www.fsa.usda.gov

National Weather Service
.....www.weather.gov/

Organizations

Almond Board of California
.....www.almonds.com

California Assn. of Winegrape Growers
.....www.cawg.org

California Cattlemen's Association
.....www.calcattlemen.org

California Dairy Research Foundation
.....www.cdrrf.org

California Farmland Trust
.....www.cafarmtrust.org

California Poultry Federation
.....www.cpif.org

California Raisins
.....www.calraisins.org

California Rangeland Trust
.....www.rangelandtrust.org

California Strawberries
.....www.californiastrawberries.com

Associated Equipment Distributors
.....www.aednet.org/

Real Estate

Valley Real Estate
.....www.valleyre.net

State Government

Department of Agriculture
.....www.usda.gov

Department of Conservation
.....www.consrv.ca.gov

Department of Food and Agriculture
.....www.cdfr.ca.gov

Department of Pesticide Regulation
.....www.cdpr.ca.gov

Department of Water Resources
.....www.dwr.water.ca.gov

Synthetic Grass

Synthetic Grass Solutions
.....www.SGSfresno.com

Weather

National Weather Service
.....www.weather.gov/

If you would like to have your website listed here contact us at:

Website: californiafarmequipment.com

Telephone: (559) 627-2182

E-mail: info@cfemag.com

"STOP MUST READ" *MASSIVE SAVINGS!!!

IF YOU HAVE 10K, 15K, 20K SQ. FT. OR MORE - GET YOUR SYNTHETIC GRASS INSTALLED FOR **\$7.50** SQ. FT.

INSTALLATION, LABOR AND TAX INCLUDED.

WE'VE BEEN TAKING CARE OF PROPERTIES SINCE 2010

☑ FARMERS ☑ RANCHERS ☑ COMMERCIAL ☑ RESIDENTIAL

Synthetic
Grass



**A Lawn
You Can Be
Proud Of!**

From a family owned
company you can
depend on.



STOP WASTING WATER! GO SYNTHETIC!



We Specialize in Commercial & Residential Properties

SGS

**Synthetic Grass
Solutions**

Locally and Family Owned Since 2010!

Call us. We can help.

559-917-6901

visit us online at www.SGSfresno.com

Lic #1046023

New webinar series by CAFF and UC aids farmers transitioning to organic

By Michael Hsu

Farmers seeking guidance on starting or advancing their transition to organic crop production are invited to attend free webinars led by a wide range of experts, including University of California scientists and fellow growers.

Held at noon every Wednesday from Jan. 14 to March 18, 2026, the “Transition to Organic Webinar Series” covers the certification process, market dynamics, soil health and soil amendments, pest and weed management, and other key topics of organic production. Participants are encouraged to attend all sessions but can choose any webinars that are most relevant for them.

Woman in blue puffy winter jacket gestures to a row of jars with soil samples during a workshop

UC Organic Institute's Katharina Ullmann, seen here at a soil structure and health assessment workshop, says the organic transition webinar series builds on previous programs offered by farmers and partner organizations. Photo by Evett Kilmartin

Learn more and register; attendees also can choose real-time Hmong or Spanish interpretation for each session.

The 10 online sessions – each comprising a 75-minute presentation and discussion, followed by optional office hours – are organized and sponsored by the Community Alliance with Family Farmers, UC Cooperative Extension, and the UC Organic Agriculture Institute (an institute of UC Agriculture and Natural Resources).

“This is the first time UC ANR is partnering with CAFF to offer such a series focused on transition to organic,” said Margaret Lloyd, UCCE organic agriculture and small farms advisor for Yolo, Sacramento and Solano counties. “Ultimately, we hope to provide the resources, community and support to folks who want to make a successful transition.”

Two women in coats and UC ANR caps talk with each at a field day

UC Cooperative Extension advisors Margaret Lloyd (right) and Sarah Light are among the UC ANR academics who will present during the webinar series. Photo by Evett Kilmartin

California leads the U.S. in the number of organic farms, land in organic production and organic sales. In 2023, there were more than 3,300 organic producers in the state, according to the latest California Department of Food and Agriculture report.

Organizers designed the webinars to appeal to producers across California and to directly address issues that a variety of agricultural operations face.

“This series brings together technical assistance providers and farmers to explore the full range of challenges producers face when transitioning to organic – from certification and market considerations to management practices, biodiversity, recordkeeping and inspections,” said Grace Jackson, the Central Valley regional lead for CAFF’s Farmer Services team.

Series addresses challenges of certification, market dynamics, pest and weed management

Another organizer, Katharina Ullmann – training and techni-

cal assistance coordinator at the UC Organic Agriculture Institute – said that demand for more information was quite apparent during workshops held this past year throughout the state, from Siskiyou County to San Diego.

Man in baseball cap and flannel shirt stands with hands in pockets in front of tree with orange leaves in an orchard

Justin Miller of Twin Peaks Orchards will be sharing his experiences during a farmer panel, which kicks off the series on Jan. 14. Photo courtesy of Justin Miller

“Standalone workshops are great, but there is a lot of information to cover in a two- or three-hour workshop,” Ullmann said. “We thought it would be helpful to have a longer, regular series, where we would have a whole hour to dig into a specific transition topic.”

The lineup of presenters – available on the registration page – reflects a diverse mix of perspectives on organic agriculture, encompassing firsthand farmer experiences and the latest scientific research.

“We have farmer panels; we have people who work with certifiers, and organic inspectors; we have UCCE advisors and specialists who will present as part of this workshop,” Ullmann said. “Over the past three decades, many individual farmers and other partners like the UC Santa Cruz Center for Agroecology, the CCOF [California Certified Organic Farmers] Foundation and the Ecological Farming Association [EcoFarm] have provided training on transitioning to organic production. We are excited to add to that body of work.”

She noted that the series covers many of the topics mentioned by respondents to the Organic Agriculture Institute’s statewide needs assessment survey. In addition to crop production challenges and market concerns, growers emphasized the need for support on certification processes and related paperwork (such as the Organic System Plan) – topics to be presented on Jan. 21.

Aside from this new series on topics about transitioning to organic, Lloyd and other UCCE advisors are continuing an annual online Organic Agriculture Seminar Series on specific aspects of organic production. Details for those webinars, scheduled for Tuesdays at noon in 2026, will be posted on Lloyd’s website.

Man in polo and shorts and hat at left speaks with a group of students under shade trees during a farm tour

Scott Park of Park Farming Organics, seen here addressing a group from UC Davis, will be speaking on Feb. 11 about building soil health through organic means. Photo courtesy of Scott Park

Registration and information on the “Transition to Organic Webinar Series” can be found at: <https://actionnetwork.org/events/transition-to-organic-webinar-series-for-crop-producers/>.

The series is made possible through funding from the California Department of Food and Agriculture State Organic Program, the CDFA Office of Agricultural Resilience and Sustainability, and the United States Department of Agriculture Transition to Organic Partnership Program.



WE DIG DIRT

BRING YOUR BURDENS TO THE BEAST

HX SERIES

NEW

- NEW KIOTI 3.8L ENGINE
 - 90 OR 115 HP WITH "POWER BOOST" FUNCTION
 - POWERSHUTTLE AND 4WD STANDARD
 - ELECTRONIC HITCH CONTROLS
- THE BRAVN OF THE OPERATION

SERIES



Call Your Local Kioti Dealer Today!

ACTON

TRAILER SUPERSTORE
(661) 233-1166

DELANO

SAN JOAQUIN TRACTOR
(661) 725-2531

RIDGECREST

AMERICAN LOAN MASTERS
(760)-308-1018

BAKERSFIELD

SAN JOAQUIN TRACTOR
(661) 324-4517

EXETER

EXETER MERCANTILE
(559) 592-2121

WASCO

SAN JOAQUIN TRACTOR
(661) 758-3053

CALIFORNIA FARM EQUIPMENT
MAGAZINE
PO BOX 1128
VISALIA, CA 93279-1128

PRST STD
US POSTAGE PAID
GARDENA, CA
PERMIT NO. 40

WORLD AG EXPO®

TULARE, CA 2026

WORLDAGEXPO.COM

TICKETS ON SALE

SAVE \$3 PER TICKET
WITH CODE

CFEM26



FEBRUARY 10-12, 2026

EXHIBITORS • EDUCATIONAL SEMINARS • RESEARCH & BUYING
DEMONSTRATIONS • NETWORKING

 International
AGRI-CENTER

4500 S. LASPINA ST. | TULARE, CA | 800.999.9186