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UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources

UC Cooperative Extension

June 2023
Central Sierra

Amador County | Calaveras County | El Dorado County | Tuolumne County

Hello!

This is Flavie Audoin, your Livestock and Natural Resources Advisor for UC Cooperative Extension (UCCE) in the Central Sierra. I cover El Dorado, Amador, Calaveras and Tuolumne counties.

I started my position with UCCE in mid-January and I have been working on meeting as many ranchers as I can to focus my research and create an education program to serve the communities of the Central Sierra.

If you are a livestock producer, please think about your needs and information gaps, and [fill out this short survey](#), which will help me plan and deliver the most useful workshops specific to your needs and schedules.

Even if you don't raise livestock, I am sure you will find something of interest in our monthly newsletter! Please read on to see what other great extension resources and classes are available to you.

Thank you!

Flavie

faudoin@ucanr.edu



Flavie Audoin
Livestock & Natural Resources Advisor

University of California
Cooperative Extension
Central Sierra Nevada
Multi-County Partnership (MCP)



[Livestock Producer Survey](#)

Central Sierra
Agriculture & Livestock

The Central Sierra foothill region produces a wide variety of agriculture commodities. The University of California brings research and outreach to area farms to assist with growing and cultural practices, pest and disease management, and more!

Using targeted grazing for the Jackson Creek Forest Health Project.

by Flavie Audoin, UCCE Livestock and Natural Resources Advisor and Scott Oneto, UCCE Farm Advisor

UC Cooperative Extension is collaborating with the Amador Resource Conservation District (ARCD) for a fuel reduction project funded through a grant from CalFire. This project is called Jackson Creek Forest Health and will be located approximately six miles east of Jackson, CA, along the 88 Highway corridor. This project includes grazing, prescribed burning, mastication and thinning.

The goal of the project is to treat about 1,000 acres of private land between highway 88 and highway 26 east of Jackson, CA with one or more of the different treatment types. The vegetation types present on the different parcels include mixed conifer/oak woodland with typical shrub understory. For this type of project, sheep and goats are more adapted than cattle because of the set up of these parcels, and due to their foraging preferences. Cattle are called “grazers”, sheep are called “intermediate feeders”, and goats are called “concentrate selectors/browsers” (Table 1).

On February 27th, we met with grazing contractors interested in the project. The objective of the visit was to show the different parcels to the applicants to allow them to submit a proposal of how they would treat the parcels with their sheep or goats. Unfortunately, because of the snowy weather, we were not able to look at each parcel (Photos 1-3).

In early March, a grazing contractor was selected based on their treatment plans, expertise, budget and time frame. Once the contract is approved, grazing is expected to begin this summer and we are planning to document the different steps of this project, and we will share it with you when it is done!

For more information, please feel to contact us at faudoin@ucanr.edu or sroneto@ucanr.edu

Species	Dietary preferences	Digestive system	Mouth parts and adaptations for grazing or browsing
cattle	Grazers. Prefer grass to a greater extent than do sheep or goats. Some seasonal use of forbs and woody plants, but cannot thrive on strictly woody plants. Coarse and dried tall grass is best grazed by cattle.	ruminant	Large muzzle and relatively immobile upper lip limits their ability to select among plants and plant parts. Large rumen allows them to consume and digest low-quality forage. Use mobile tongue to grasp taller grass clumps; then pull them off, usually not closer than 2 inches from ground unless forced to do so to obtain forage. Back molars shred vegetation into small, digestible pieces.
sheep	Intermediate feeders. Ready graze forbs but also graze grass and browse woody plants.	ruminant	Cleft upper lip permits close grazing. Small mouthparts and narrow muzzle permit them to be more selective of plant species and plant parts and allow them to graze prostrate plants. Large rumen relative to body mass allows them to utilize low-quality forage. Will consume a grass-dominated diet, especially if grasses are succulent, but consume more forbs when forbs are available.
goats	Browsers to intermediate feeders. Ready graze forbs, but also graze large amounts of woody plants and grass; highly versatile.	ruminant	Narrow muzzle, strong mouth, mobile upper lip and prehensile tongue are designed for eating tiny leaves off of shrubs, avoiding spines, and chewing woody plants. Large liver relative to body weight and special saliva enables them to more effectively process plants that contain secondary compounds like tannins.
horses	Grazers. Mostly graze grass, with some grazing on forbs and browsing on woody plants.	pseudo-ruminant (Cecum)	Upper and lower incisors allow them to bite close to the ground; they crop grass with incisors (foreteeth) and grind with back teeth.

Source: Adapted from Valentine 1990, Launchbaugh 2006, Knyl et al. 1984, and Ménard et al. 2002.



Photo 1: Preliminary discussion on site



Photo 2: Grazing contractors looking at the site



Photo 3: Example of the vegetation on one site to be treated

What is Foothill Abortion and How to Manage it?

by Flavie Audoin, UCCE Livestock and Natural Resources Advisor

Foothill Abortion (aka Epizootic Bovine Abortion) is caused by the bite of the tick called **Pajaroello** (pa-ha-WAY-lo) on a pregnant cow or heifer. This tick has been around for many years and is found in foothill areas of California, northern and central Nevada, southeastern Oregon, and in Mexico. The tick can be found at different elevations, from 600 feet in California foothills area to 8,000 - 9,000 feet.



Only a small percentage of the ticks carry the disease to infect cattle. The ticks are most active during the warm summer months and are usually present where there is a high density of deer. The ticks feed every 60 to 90 days and can survive for years in a dormant state without taking a blood meal. They are rarely observed because they feed for only 10 to 20 minutes and then drop off from their host to the soil.

Foothill Abortion has only been recognized in the bovine species and the causative bacterial pathogen only impacts the developing fetus. Mature animals do not show any signs of clinical disease. Any pregnant heifer or cow that has never been bitten by an infected Pajaroello tick is at risk. Replacement heifers, or replacement cows brought from non-endemic areas, are at the greatest risk for fetal infection in areas endemic for the disease. Cows that have been pastured in non-tick infested areas for several years and then re-exposed to tick-infested pastures may also be susceptible. Once naturally infected, immunity will last for 1 to 3 years.

Heifers and cows exposed to the bacteria (i.e. the tick) in the first or early second trimester are the most likely to lose the fetus (resorption, abortion or weak calf). The bite of the Pajaroello tick on nonimmune

pregnant heifers or cows 100 to 145 days before giving birth or the birth of weak calves. The impact of tick feeding between conception and 60 days of gestation is unknown, but contraction of the disease at this stage may cause early embryonic loss or late-term abortion. Therefore, tick exposure should be minimized just prior to breeding and at any time early in pregnancy. The incubation period for the infection is >100 days, so, cows exposed at 6 to 7 months gestation should produce a healthy calf.

There are four management strategies that can minimize Foothill Abortion:

Avoidance

- Do not graze tick-infested pastures when heifers are under 6 months pregnant.
- Graze stocker steers through a pasture first.

Change Breeding Dates or Season

- This is difficult to do when your system of production is well established.
- Breeding seasons are usually set up to match range resources during the highest nutritional phase of the year.

Exposure

- Expose cattle to ticks before breeding.
- Expose cattle to the tick after 6 months of pregnancy.
- Both pre- and post-exposure are more effective in the mountainous areas of California than in the Central Valley and coastal areas.

Vaccination

- Expensive, difficult to store, and needs to be done with your veterinarian.

To identify if you have Foothill Abortion in your herd, veterinarians need to be able to examine an aborted fetus or a placenta. Foothill fetuses have usually enlarged lymph nodes, and cows with retained placenta might be an indication of Foothill Abortion. To make a diagnostic about whether you have the disease or not, you would need to submit a fetus or a placenta or ideally both, to a diagnostic lab to determine the cause.

Before any management strategies can be developed, you must identify pastures that have Pajaroello ticks. You can use dry ice to trap ticks because they are attracted to CO2. However, dry ice can be dangerous to manipulate so you have to use some precautions. Below are two trapping options for Pajaroello ticks. For more information, please feel free to contact me at faudoin@ucanr.edu.

TRAPPING METHODS	METHOD 1	METHOD 2
What do you need?	Dry ice + 1-inch-deep pie pan + paper cup	Dry ice + white paper or cloth
When and where?	Before grazing + small areas	Before grazing + wide areas
How?	<ul style="list-style-type: none"> - Bury the pan for the edges to be leveled with the ground surface. - Place dry ice on top of an inverted paper cup in the center of the pen (slick side of the pen prevent ticks from crawling out). 	<ul style="list-style-type: none"> - Under suspect trees, clear debris from the ground in a circle 18 inches in diameter. - Place a piece of dry ice 3 to 4 inches in size in the center of a white paper or cloth, which will make ticks easy to see. - Repeat this procedure, moving in a circular or looping pattern in the pasture.
For how long?	Leave site for 30 to 60 minutes before checking the pan for ticks.	Check each piece of dry ice every 10 minutes or so, as it will evaporate and eventually disappear.
Advantage	Ticks are caught in pen.	Faster method.
Disadvantage	Slower method.	Ticks might not be as easy to see.



Forests and woodlands in the Central Sierra Nevada are beautiful, extensive, diverse and owned by both public and private landowners. Active management is needed to reduce forest density and to help forests recover after wildfire. The goal of the Central Sierra forestry program is to empower landowners to overcome these challenges.



The U.S. Forest Service announced the latest grants for the Wood Products Infrastructure Assistance Grants, 14 of which are in California. This grant is one of the USFS grant programs that were set out to fund projects that improve the utilization of forest resources, as well as promote workforce development and innovation in the wood products industry. Other grants include the Wood Innovations Grants Program and the Community Wood Grant Program. The application period for both of these grants will open in Fall 2023. [More Info](#)

Registration Now Open for the 2023 SAF Forest Tech Conference

The two-day conference, organized by the Society of American Foresters, will be held from August 2-3 in Baton Rouge, LA.

Discounted early-bird registration is available through June 30, 2023. Conference attendees will get the opportunities to learn about the latest in technology and equipment advances in the forest sector. Sponsor and exhibitor registration is also available. [More Information](#)



**FOREST TECH
CONFERENCE**

August 2–3, 2023
Baton Rouge, LA

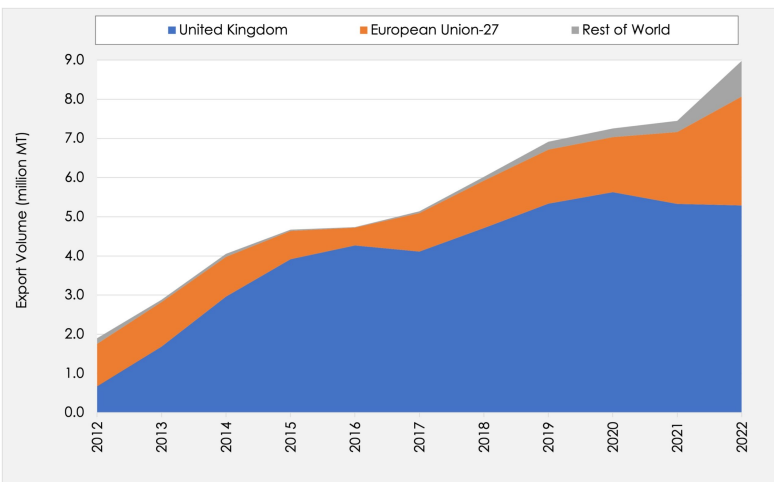


Forest Sector Outlook Quarterly Report 2023-Q1 is Released

This report from the Global Consulting Alliance provides the latest trade and marketing trends of the forest products industry around the world.

The report indicated that lumber prices are falling and the U.S. lumber market is being negatively impacted by various factors such as low housing inventory, low builder and consumer confidence, rising homebuilding cancellations, and increasing mortgage interest rates. [View Report](#)

A recent article published in the Southern Ag Today highlighted the inclining exporting trend of U.S. wood pellets over the past decade. Based on the USDA's latest trade data, U.S. export of wood pellets to around the world, particularly to European countries, continued to increase as of January 2023. Data released by the USDA's Foreign Agricultural Service revealed that the exports of wood pellets have increased from \$258 million to \$1.5 billion since 2012 and that wood pellets have become one of the leading exported forest products from the U.S. The United Kingdom is the top destination of U.S. wood pellets, followed by the Netherlands and Japan. Total wood pellet exports reached 9.0 million metric tons (MT) in 2022, with the U.K. and EU accounting for 90% of the shipment.



U.S. Wood Pellet Exports Continue to Reach Record Levels

Woody biomass now accounts for a major share of renewable energy in the

United Kingdom (UK) due to recent climate and renewable energy policies. Imports of wood pellets - often used in converted coal fueled power plants - ...

[Read more](#)
southernagtoday.org

DIY Forest Management Skills for Small Forest Landowners: Managing Vegetation with Hand Tools

June 10, 2023 | 9:30AM-2:30PM

[Blodgett Forest Research Station, Georgetown](#)

Join us for:

- Discussions around small tree and shrub management options
- Pile construction techniques;
- Demonstrations and hands-on activities with various vegetation management hand tools; and
- Tool safety and care discussions.

Participants are encouraged to bring their favorite vegetation management hand tools. [Workshop](#) is FREE but limited to the first 30 people. Contact [Kim Ingram](#) with questions. [Register Here](#)



Advised Featured Speaker at UCSC

Forestry Advisor Susie Kocher was a featured speaker at the University of California Sacramento Center (UCSC) on April 19th. The talk titled "Restoring Forest Resilience After Wildfire on Private Land – Reforestation in a Time of Climate Change" was recorded and can be viewed online. UCSC also worked with Susie to put together a policy brief on the need for reforestation assistance for private landowners. [Watch Now](#)

UC Center Sacramento
Policy Brief
Volume 06, Issue 02 April 19, 2023

Assisting Private Forestland Owners with Reforestation after Wildfires

Susie Kocher and Ryan Tompkins

Forestry Advisors, University of California Agriculture and Natural Resources

High severity wildfires are affecting California throughout the state, whether through burning in wildfire smoke. Reforestation of forests severely burned by wildfires is essential but cannot be done for granted. Active reforestation is needed in some areas to ensure continuation of forest. About one-third of forestland in California is held by small owners, and these individuals need assistance to carry out successful reforestation. UC Agriculture and Natural Resources offers post-fire outreach and education to help landowners reforest in a timely manner and help small forest owners to successfully manage their own lands in a post-fire environment.

Reforestation is needed to ensure the continuation of forests in high severity fire areas. Most California forests are made up primarily of live trees remain to provide seed to regenerate the forest. However, the current trend of high severity wildfires leaves wide areas covered with large patches of dead trees and few live trees to contribute seed (Peters et al. 2018). Dead trees fall creating a fuel load which is vulnerable to re-burning (Coppetta et al. 2018) and vigorous shrubs often outcompete seedlings that may be established. In combination, these factors reduce forest cover and regeneration. Active reforestation practices ensure regeneration of forests after wildfire, in addition to expanding seed collection and seeding production (Wagner et al. 2020). Education on post-fire reforestation best practices is timely needed.

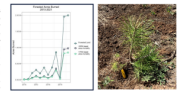


Figure 2. Reforestation need from recent fires in California. Source: California Wildfire Resilience and Reforestation Working Group

Non-industrial private forestland owners need assistance to carry out successful reforestation.

Of the 23 million acres of forestland in California, 7 million acres is owned or privately small holding by 75,000 private individuals and families. Of these, 80% own parcels of 50 acres or less (Buller et al. 2020). Many of these landowners face barriers to reforestation, including lack of expertise, contractors, permitting, and cost. Only 9% of California landowners with over 10 acres of forestland received advice or information about care, management or protection of the woodland in the past five years. Reforestation planning reforestation decision-making (Peters et al. 2018) by landowners with forests severely burned by 2014 wildfire found that 73% would have taken no reforestation action without assistance from a local non-profit.

Post-fire assistance needs to be timely to be effective. Successful reforestation requires multiple steps taken in a timely fashion, including ordering fire seedlings to be grown in a nursery, removing dead trees and woody debris to reduce fuels on the planting site, and planting and controlling vegetation that may compete with trees (Drewett et al. 2023). Most state and federal forestry assistance programs, including the California Forest Improvement Program and the Environmental Quality Improvement Program, were designed for landowners during ordinary planned forest management actions, not for rapid response after wildfires. Landowners impacted by the most timely technical and funding assistance.

University of California Agriculture and Natural Resources offers post-fire outreach & education.

In 2022, UC ANR launched a new post-fire forest resilience outreach and education program for forest landowners. The award-winning existing areas include landowners connected with post-fire ecologists, professionals and resources to manage their own lands. Workshops focus on specific wildfire, and participants include landowners, state and federal agency staff, non-profit organizations, consultants, and their. Learning outcomes show participants gain knowledge of reforestation steps after wildfire and that these landowners intend to implement important reforestation practices.

Emergency Forest Restoration Teams are making reforestation assistance programs timelier.

A new coordinated strategy to assist landowners affected by wildfires was called for in the California Wildfire and Forest Resilience Action Plan (Forest Management Task Force 2020). Emergency Forest Restoration Teams are being established after wildfires throughout the state to speed up post-fire assistance to private landowners. Funding has been combined from state and federal sources to assist local resource conservation districts to implement projects on behalf of landowners. New information on the effectiveness of these EFRTs will be available later this year.



The University of California Center for Sustainable Agriculture is the University's National Farm Policy, research and public outreach with a mission: "to advance U.S. agriculture and rural communities through research, education, and policy." [View the presentation and other assets used in this presentation.](#)



The 4-H Youth Development Program offers educational opportunities for children, [teens](#), families, and adults. 4-H helps young people to reach their full potential as competent, confident, leaders of character who contribute and are connected to their communities.

Congratulations to all the Central Sierra 4-H youth that participated in events at State Field Day!



Fashion Revue

Emma L / Tuolumne / Int. / Consumer Science
Purchased, \$50.00 Limit - **Gold**
Serenity D / Tuolumne / Sr. / White

Forestry

Danielle L / Tuolumne / Primary / White
Josey L / Tuolumne / Primary / White
Dustin D / Tuolumne / Jr. / White
Emma L / Tuolumne / Int. / White
Alicia S / Tuolumne / Int. / White
Kenan D / Calaveras / Int. / White
Ariella S / Tuolumne / Sr. / White

Insect ID

Dustin D / Tuolumne / Jr. / White
Jasper L / Tuolumne / Jr. / White
Kenan D / Calaveras / Int. / White
Emma L / Tuolumne / Int. / White
Jocelyn L / Tuolumne / Int. / White
Amon L / Tuolumne / Int. / White
Alicia S / Tuolumne / Int. / White
Serenity D / Tuolumne / Sr. / White
Ariella S / Tuolumne / Sr. / White

Interview

Kenan D / Calaveras / Int. - **Blue**



Kenan D, Intermediate
Calaveras County
Consumer Science Purchased
Gold / STATE WINNER



Lucas J, Senior
El Dorado County
Photography
Platinum



18 U.S.C. 707



Allison M, Junior
Tuolumne County
Quilts
Platinum / STATE WINNER

Photography

Allison M / Tuolumne / Jr. / Lighted Lantern - **Gold**
Allison M / Tuolumne / Jr. / Fantasyland Flowers - **Gold**
Kenan D / Calaveras / Int. / | Calaveras / Skull - **Gold**
Kenan D / Calaveras / Int. / | Calaveras / County Barn - **Gold**
Erin M / Tuolumne / Int. / Black Outpost Spire Battu - **Gold**
Erin M / Tuolumne / Int. / Solar Paneling Cats - **Gold**
Lucas J / El Dorado / Sr. / Homestead Sunset - **Gold**
Jenna A / Tuolumne / Sr. / Blurred Vision - **Gold**
Jenna A / Tuolumne / Sr. / Icy Fog - **Gold**
Maddy M / Tuolumne / Sr. / Leaves Through Lamp - **Red**
Maddy M / Tuolumne / Sr. / Mountainside - **Blue**

Presentations

Anna L. / Amador / Sr. / Rabbit Rhapsody - **Gold**
Brianna H. / Amador / Sr. / The Art of Cards - **Gold**
Mark L. / Amador / Jr. / Robots: Coding Creation - **Blue**
Kenan D. / Calaveras / Int. / Why is Age so Important? - **Blue**
Logan B. / Calaveras / Int. / Swine Showmanship - **Gold**
Emmerson W. / El Dorado / Jr. / Growth Mindset - **Blue**
Lucas J. / El Dorado / Sr. / Making Sparks as a Teen Leader - **Gold**
Ariella S. / Tuolumne / Sr. / Coding Bots - **Gold**
Cassandra M. / Tuolumne / Int. / All About the Violin - **Gold**
Dustin D. / Tuolumne / Jr. / How to Make a Paper Airplane - **Gold**
Jasper L. / Tuolumne / Jr. / The Iron Horse - **Gold**
Jocelyn L. / Tuolumne / Int. / Horsepower - **Gold**
Leila K. / Tuolumne / Int. / Life Under the Sea - **Gold**
Serenity D. / Tuolumne / Sr. / Pen and a Hen- **Gold**
Thaddeus R. / Tuolumne / Sr. / Agriculture in California - **Gold**

Primary: Ages 5-8; Junior (Jr.): Ages 9-10; Intermediate (Int.): Ages 11-13; Senior (Sr.): Ages 14-18

EMPLOYMENT OPPORTUNITY

4-H Program Representative | Placerville, CA

The Placerville Office is seeking a [4-H Community Education Specialist!](#) This position's primary focus will be on conducting, managing, and evaluating an education program to improve the environment of the schools and communities in El Dorado County. The position is a benefited career appointment that is

NOW HIRING
4-H COMMUNITY EDUCATION
SPECIALIST 2

PLACERVILLE | EL DORADO COUNTY

80% Career Appointment
 JOB ID 49534



UCCE UNIVERSITY OF CALIFORNIA
 Cooperative Extension
 Agriculture and Natural Resources

UC ANRS is an equal opportunity employer and contractor.

80% variable. Ideal candidates will have general knowledge of the 4-H Youth Development Program, experience with volunteer management, event planning, and a desire to teach and grow.



JOIN THE CLUB

Enrollment for the 2023-2024 Program Year begins August 15th!



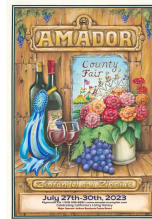
[UCCE Central Sierra 4-H Website](#)

[UCCE Central Sierra 4-H eNews](#)

If you are interested in joining a 4-H project or becoming a volunteer to help the 4-H youth grow and achieve, please contact your [local 4-H Office](#) or email centralsierrafourh@ucanr.edu.



June 29 - July 2, 2023




Central Sierra UCCE Master Gardeners of Central Sierra

UCCE Master Gardeners are community members who have been trained under the direction of the University of California Cooperative Extension. Each volunteer has completed more than 50 hours of formal classroom training to provide practical scientific gardening information to the home gardeners.

[UCCE Master Gardeners of Amador County](#)

[Solving Garden Pest Problems with Integrated Pest Management \(IPM\).](#)

June 10 | 9:00AM – 12:00PM

[Amador GSA Building](#)

Home gardeners often encounter unwanted pests, insects or weeds in their lawn or garden. Integrated Pest Management is a practice you can use to solve most garden pest problems while minimizing risks to people, pets and the environment. This class will provide up-to-date information on how to safely and effectively handle garden pests using IPM.

- Explain the concept of Integrated Pest Management (IPM)
- Provide tips and resources for pest identification
- Give examples of biological, cultural, and chemical controls for the home gardener



Pizza Gardens

Thursday, June 15, 2023

2:00PM | 2:30PM | 3:00PM | 3:30PM

[First 5 Amador](#)

Calling all pizza lovers and beginning gardeners of all ages! In this free class, UCCE Master Gardeners will teach you how to plant and tend vegetables in this hands on class.

Participants will plant their own pizza garden and get to take it home to care for and finally, harvest and enjoy! **Call the Amador County Library to RSVP for one of the four class times: (209) 223-6400**

Come Grow with Us!

UCCE Master Gardener Training Class 2024

Do you enjoy getting your hands dirty? Do you enjoy sharing your knowledge? Do you want to meet new people who share your gardening passion? Then you may be the ideal candidate to become a UCCE Master Gardener. You will be trained by the University of California in science-based horticulture and then volunteer to teach others on sustainable gardening practices. If this interests you, add your name to our interest list to receive more information!



[Join Interest List](#)

UCCE Master Gardeners of El Dorado County

Open Garden Days

Every Friday & Saturday | 9:00AM-12:00PM

[Sherwood Demonstration Garden, Placerville](#)

Need garden inspiration? There are [16 individual demonstrations gardens](#) ranging from the Shade Garden to the Rock Garden and everything in between.

Master Gardeners are committed to educating the general public on sustainable horticulture and pest management based on traditional, current, and evolving research.

[Sherwood Demonstration Garden](#) is designed to provide the public with a hands-on, interactive experience about research-based, sustainable gardening practices specific to the west slope of El Dorado County, appropriate for all ages and cultures, and reflective of a variety of environments and gardening experiences.



Please visit our [Calendar of Events](#) to download a flyer with all of our fun garden activities this month.

Master Gardeners Go to Market

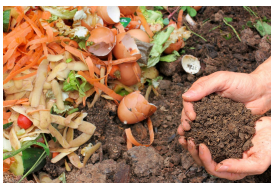


Visit with UCCE Master Gardener volunteers at both the El Dorado Hills and Placerville farmers markets! Bring your questions and garden conversations. Local vegetable planting guides are available for \$5 as well as other UC gardening books. Check out the [calendar](#) for dates and times.

All About Lavender

June 14 | 9:00AM - 12:00PM
[Cameron Park Community Center](#)

You don't have to live in the South of France to enjoy Lavender. In our Mediterranean climate, Lavender is a beautiful and fairly drought tolerant and pest resistant garden plant, with a wide variety of specimens in many colors and sizes. Add to that it's fragrance and culinary use and you have a plant worth exploring! Join us as we discuss everything lavender: botany, how to plant, care for, harvest and use. We'll also teach you to propagate lavender to take home with you.



Waste Not Want Not

June 24 | 9:00AM - 12:00PM
[EDH CSD Teenz Center](#) (next to the CSD Skate Park)

Join Master Gardeners and Master Food Preservers for this free combination class to learn about recycling food and yard waste. Does all your yard and food waste really need to go into the landfill? Compost provides valuable nutrients for your garden soil. Compost helps retain moisture, suppress weeds, prevents soil erosion, and loosen compacted soils for better drainage and water retention. And you'd be shocked to learn how easy it is to reduce tossing so much food that gets put in the garbage or compost by learning to preserve it. [Register Here](#)

[UCCE Master Gardeners of Lake Tahoe](#)

2023 GROW YOUR OWN FESTIVAL

June 10, 2023 | 11:00AM-2:00PM
[Tallac Historic Site](#)

Get ready for 3 free fantastic Garden Festivals around Lake Tahoe in June 2023! Everything you want to know about growing food and plants in Lake Tahoe will be at your fingertips. Come join the fun and learn about growing in our high elevation area. These one-day special events feature a seedling sale and edible gardening demonstrations with a special emphasis on watershed-friendly practices. [UCCE Master Gardeners of Lake Tahoe](#) will be providing informative hands-on demonstrations and will be available to answer all your questions about what grows best in our region. They will cover topics such as plant selection, soil preparation, watershed friendly practices, and pest control. Additional demonstrations and vendors will be exhibiting container gardens, raised garden beds, compost, and more. Whether you are a seasoned gardener or just starting out, this event has something for everyone. Come grow with us! [REGISTER HERE](#)



**Questions about your home garden or landscape?
Interested in upcoming classes and events?**

[UCCE Master Gardeners](#) are available to answer your questions!



Visit the UCCE Central Sierra
Master Gardeners Websites

Central Sierra UCCE Master Food Preservers of Central Sierra



The UCCE Master Food Preserver program trains dedicated volunteers to assist the county UC Cooperative Extension staff provide up-to-date food preservation information. Our current program is active in El Dorado, Amador, Tuolumne, and Calaveras counties.

Canning Basics: Jams & Jellies

June 11 | 1:00PM-3:00PM

[Amador County GSA Building](#)

Curious about canning your own food at home? Want to learn the current researched-based techniques? Join the UCCE Master Food Preservers for this free, in-person introductory class and learn how to use boiling water and atmospheric steam canners to preserve jams and jellies. Also learn about why you need different kinds of pectin for full/low/no-sugar recipes. Watch live canning demonstrations and glean tips from experienced canners! [Register Here](#)



Ask a Master Food Preserver

June 14 | 6:30-7:30PM | via ZOOM

Join the UCCE Master Food Preservers for a general Q&A session. A panel of volunteers specializing in freezing, dehydrating, canning and food safety will be available to answer your questions, share their tips and encourage you to safely preserve food at home.

June is hosted by the UC Master Food Preservers of San Bernardino County. They will discuss recipes that they have preserved and how they turned out. Share what you've made - or want to make - and get answers to your questions. Join us and get ideas from other participants. Registration is free, but required any time before and during the session. You will receive the link to the session in the registration confirmation email. [Register Here](#)

The UCCE Master Food Preservers Welcome Six New Volunteers

Please join us in welcoming the newest graduates of the UCCE Master Food Preservers training program in El Dorado County. They participated in virtual classes, in-person labs, did lots of homework and are about to get to work in our community, answering questions on our hotline.

Homemade Ice Cream and Sorbet

June 15 | 4:00PM - 5:00PM | via ZOOM



Dreaming of turning that bumper crop of summer strawberries into a creamy batch of homemade ice cream for a 4th of July potluck? Want to learn how to turn a handful of lemons and a bit of sugar into an elegant sorbet for that summer dinner party dessert? Eager to turn your kids loose on a hand-crank ice cream maker on a hot afternoon?

Get the scoop with Master Food Preservers of San Mateo and San Francisco Counties Denise Phillips and Zoe Kersteen-Tucker. We'll dish up everything you need to know about making ice cream and sorbet at home just in time for summer. You'll learn about the different types of homemade ice cream makers and the one that's just right for you. We'll teach you how to make a simple Philadelphia-style ice cream with just a few ingredients and how to make ice cream in the silky, decadent

French-style. You'll also learn how to turn a variety of summer fruits and citrus into refreshing, dairy-free sorbets.

In September (date to be announced), tune in for Ice Cream Treats for the Holidays where we'll teach you how to take your homemade ice cream and sorbet to new levels of deliciousness with recipes and tips for making frozen desserts like Hot Fudge Sundaes, Champagne Sparklers, and DIY Ice Cream Sandwiches. [Register Here](#)

Emergency Preparedness June 15 | 6:30PM - 7:30PM | via ZOOM

This presentation will provide information on how to safely store and handle food and water in preparation in the event of an emergency or natural disaster. Discussions will include:

- Handling of Water during an Emergency
- Emergency Food Storage
- Safe Handling of Foods after a Flood and Fire
- Loss of Power to a Freezer or Refrigerator
- Safe Handling of Canned Foods
- Helpful Emergency items and more



The supportive and energetic UCCE Master Food Preservers of Sacramento County are here! Please join us for another free learning event. [Register Here](#)



Berry Good Jam & Jelly! June 17 | 9:00AM - 12:00PM [Amador County GSA Building](#)

Straw, rasp, blue, black, cran, goose, what do these words have in common? BERRIES! And you can include grapes in that category! Please join us as we demonstrate and discuss easy and safe methods and recipes to preserve berry fruit as jams, jellies, and juices for the pantry or freezer, as well as, some great ideas for using the results. Fee: \$5 (payable at the door by cash/check payable to UC Regents) [Register Here](#)

Preserving Stone Fruits June 21 | 6:30PM - 8:00PM [UCCE Office Sacramento](#)

Dehydrate Stone Fruit! Join the UC Master Food Preservers of Sacramento County for an in-person demonstration where you will learn how to safely preserve fruit. Fee: \$8 payable before class by credit card, or \$10 at the door by cash or check (payable to UC Regents) [Register Here](#)



Waste Not Want Not June 24 | 9:00AM - 12:00PM [EDH CSD Teenz Center](#) (next to the CSD Skate Park)



Join Master Gardeners and Master Food Preservers for this free combination class to learn about recycling food and yard waste. Does all your yard and food waste really need to go into the landfill? Compost provides valuable nutrients for your garden soil. Compost helps retain moisture, suppress weeds, prevents soil erosion, and loosen compacted soils for better drainage and water retention. And you'd be shocked to learn how easy it is to reduce tossing so much food that gets put in the garbage or compost by

learning to preserve it. [Register Here](#)

Christmas in July
July 15, 2023 9:30AM - 11:30AM

[Bethell Delfino Ag Building - Conference Room Kitchen](#)

Christmas in July?? 'Tis the season for beautiful California veggies and fruits, and when the fruit is ripe for picking, it's time to start preserving. With the holidays in mind (pickles and preserves make great gifts!), we'll present creative ideas for every month and give a lesson on how to make the most beautiful gift baskets. Discussion will include:

- Basic Sanitation and Food Safety
- How to sanitize baskets purchased from thrift stores
- Basic High Acid Canning Skills
- Using Research based/Approved Recipes
- Safe Dehydration and Freezing techniques

Class is free, but pre-registration is recommended. [Register Here](#)



Ask a 
UC Master
Food Preserver
Central Sierra

[Questions About Food Preservation?](#)

Ask a UC Master Food Preserver online, any time! Plus sign up to get e-news, event updates and free class schedules delivered to your inbox each month.

[Subscribe Here](#)

[El Dorado County Website](#)



[Amador / Calaveras County Website](#)



Central Sierra
Community Health & Nutrition

Through the CalFresh Healthy Living (CFHL) UCCE Central Sierra program, we teach free classes in local schools, community centers, libraries, and other public locations. Our classes show people how to choose, grow, cook, and enjoy affordable healthy foods, and how to make physical activity a regular and fun part of life. We also work to create environments where it's easier for people to make healthy choices, by supporting school wellness policies, community and school gardens, walking clubs, and more.



UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources

EMPLOYMENT OPPORTUNITY

CalFresh Community Education Supervisor 2 | Placerville, CA

The [Community Education Supervisor 2](#) is responsible for overseeing the design, delivery, management, and evaluation of the Central Sierra CFHL, UCCE Program for low income adults and youth. This includes supervising, training and guiding nutrition education extenders, developing and implementing a

**NOW HIRING
COMMUNITY EDUCATION
SUPERVISOR 2**
Placerville, CA

100% Career Appointment
Job ID S1550



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EMPLOYMENT OPPORTUNITY
CalFresh Community Education Specialist 1 or 2 | San Andreas, CA

This position is a career appointment that is 100% fixed and is being advertised as either a [Community Education Specialist \(CES\) 1 or 2](#) depending on the level of experience of the hired applicant. If hired as a CES 1, they will be hired in a learning role. If hired as a CES 2, duties would include providing leadership, mentoring to interns staff, and CES 1 staff. As well as actively promoting policy, system and environmental changes at educational sites.
[Apply Now](#)

yearly work plan, developing and overseeing yearly budgets, evaluating work plan objectives, and writing reports. [Apply Now](#)

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SPECIALIST 1 OR 2**
San Andreas, CA

100% Career Appointment
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SPECIALIST 2**
Tuolumne County | Sonora, CA

100% Career Appointment
Job ID 52927



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EMPLOYMENT OPPORTUNITY
CalFresh Community Education Specialist 2 | Sonora, CA

The [Community Education Specialist 2](#) will be responsible for the coordination, management, and delivery of nutrition education to community-based adults and/or youth. This position's primary focus will be on conducting, managing, and evaluating a nutrition education program to improve the environment of the school and community. This position is a career appointment that is 100% fixed.
[Apply Now](#)

Harvest of the Month: Plums

Plums, a joy of summer, provide Vitamin A for healthy eyes, Vitamin C for a healthy immune system, and fiber for healthy digestion. It's called a "stone fruit" because the juicy, sweet fruit surrounds a single large seed. Other stone fruits are cherries, nectarines, peaches, and of course "pluots," which are a hybrid of 75% plum and 25% apricot. Even though there are many varieties of plums, almost all plums grown in the United States are related to just twelve plum seeds brought here from Japan.



Plums are wonderful fruits to bite into whole, but might be equally as delicious roasted and served with ice cream (for a treat!). Here's a recipe to try: [Roasted Stone Fruit with Ice Cream](#)

Ingredients

- 2 cups chopped plums
- 2 tbsp flour
- 1 cup butter (softened)
- 2 cups white sugar
- 1 tsp vanilla
- 4 eggs
- 2/3 cup sour cream
- 1/2 cup brown sugar
- 3 cups flour
- 1 tsp salt
- 1 tsp cinnamon
- 1/4 tsp nutmeg
- 1/8 tsp allspice
- 1/2 tsp baking soda

1. Preheat your oven to 350 degrees.
2. Prepare 2 loaf pans by lining them with parchment paper. Set aside.
3. In a bowl mix together the chopped plums and 2 tbsp of flour. Set aside.
4. In a mixing bowl cream together the butter, white sugar, vanilla and egg, until smooth and fluffy.
5. In a different bowl mix together the sour cream and brown sugar.
6. Then add the sour cream mix to the egg mixture, and mix well.
7. In a separate bowl whisk together the flour, salt, cinnamon, nutmeg, allspice and baking soda.
8. Slowly add the flour mixture to the wet ingredients and mix.
9. Fold in the chopped plums and mix together until combined.
10. Pour the batter into the prepared loaf pans.
11. If you like, add some slices of fresh plums to the top of your loaves (refer to pictures).
12. Bake at 350 for 45-50 minutes, or until a toothpick inserted in the center comes out clean.



[Find This Recipe Online](#)

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Nothing, the newsletter is great!

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[UC California Naturalist Program](#)



UC ANR [Coronavirus and COVID-19](#)



California is reopening all activities statewide, but it is important to remember that the pandemic is not over and COVID-19 remains a health threat. As we plan and implement a return to in-

- [Public Health Order](#)
- [Beyond the Blueprint](#)
- [Tracking COVID-19 in California](#)
- [COVID-19 Dashboards and Data](#)
- [Get Local Information](#)
- [COVID-19 Case Map](#)

person ANR programs, we should stay informed about COVID-19 trends statewide and in our communities. Here are a few resources from the CDPH and other trusted sources.

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