

June 2020

UC Cooperative Extension
Central Sierra News

University of California
Agriculture and Natural Resources

PRACTICAL • CONNECTED • TRUSTED

Serving Amador, Calaveras, El Dorado & Tuolumne counties

Your monthly news & event announcements

As the State of California has issued a shelter-in-place order to reduce the spread of COVID-19, UC Cooperative Extension Central Sierra is still working remotely. We are here to answer your questions and address needs during this unprecedented situation.

[Join our mailing list.](#)

Dear UC ANR Stakeholder:

Beginning in March, UC ANR implemented remote work protocols to protect the health and safety of our employees, volunteers, program participants and our communities in response to the COVID-19 pandemic. Thanks to your collective efforts, we've been able to continue most of our work while supporting community efforts to control the spread of the coronavirus by restricting in-person contacts.

As you know, some County Health authorities have begun to modify local shelter-at-home orders and relax restrictions on low risk activities. To ensure that we continue to protect the health and safety of our people and our communities, we have developed UC ANR Safety Standards for Resuming In-Person Activity, Stage 2 to outline protocols for our programs and work locations. The safety standards are informed by state, county, and UC best practices, and are intended to help UCCE County Directors, REC Directors and statewide program leaders plan for the eventual resumption of some in-person activities.

For those counties that have authorized return to in-person activity under Stage 2, UC ANR Directors are now required to document their plans for in-person work activity with the ANR Emergency Response team based on the Safety Standards. Local plans may vary from county to county, and may change over time to be more or less restrictive as the impact of reopening unfolds.

It is important to remember that the State is allowing for the resumption of limited onsite operations. UC ANR employees and volunteers who can still work/engage remotely, will

continue to do so until the Governor completely lifts California's stay-at-home order and UC ANR advises it is appropriate to return to in-person operations.

During this telecommute status, **I want to emphasize that we are still working and available to assist our partners and stakeholders across the state.** Critical research projects are being maintained and program delivery is taking place online. There is no impact to your ability to connect with us by email, phone or Zoom video conferencing. We will work to find solutions to support our stakeholders throughout any possible scenario that the virus may bring.

We know that every organization we serve is facing unprecedented challenges at this time. UC ANR is happy to continue to provide **free access to Zoom video conferencing tools and training to our collaborators and partnering agencies.** Please contact your local Program Representative or Advisor if you would like assistance in accessing and using Zoom technology to support your activities.

If you have any questions or concerns regarding potentially impacted meetings, events, research, programs, etc., please do not hesitate to [contact your local UCCE office](#). We are here and available to assist you during this uncertain period.

Sincerely,

JoLynn Miller
Director and 4-H Youth Development Advisor
University of California Cooperative Extension Central Sierra

Visit our Website



UCANR - Coronavirus and COVID-19

As plans for moving forward into Stage 2 are being developed, we continue to create alternative ways to share information and resources with you. Many events and meetings have been converted to webinars or virtual meeting formats; visit the [UCCE Central Sierra Events & Workshops](#) page for more information.

UCCE Central Sierra COVID-19 Response Report



UC Cooperative Extension Central Sierra Programs stepped up during the COVID-19 Work-from-Home directive, creating on-line curriculum, hosting on-line events and meetings, and finishing up program trainings as they quickly switched to on-line modes of instruction. Take a

look at our [COVID-19 Response Report](#) from May, 2020 to see all of the great ways we have been working for our communities.

Using Disinfectants Correctly

Author: Karey Windbiel-Rojas

Many people have increased their use of disinfectants and sanitizers due to the COVID-19 crisis. It is important to use these products correctly to ensure they are effective and to protect one's health. See the infographic below from the National Pesticide Information Center about how to safely use disinfectants.

Read the original article [Using disinfectants correctly](#)

USING DISINFECTANTS AND WIPES AGAINST COVID-19

npic
NATIONAL PESTICIDE INFORMATION CENTER

WHAT ARE THEY?

Disinfectants kill viruses, bacteria, and fungi on surfaces. Products on EPA's "List N" are expected to control COVID-19. To see if your product is on List N, look for the EPA Registration Number on your label. If you have questions, call NPIC M-F 8am-12pm PT at 800-858-7378.

HOW DO I USE THEM?

- Disinfectants may not work on unlisted surfaces. Follow your label carefully.
- Follow the contact time (how long the surface must stay wet).
- Pre-clean surfaces with soap and water first.

CAN I USE THEM ANYWHERE?

- Do not use wipes on food. Only use on food contact surfaces if the label says so. Check for rinsing instructions on the label.
- Do not let children (under age 18) use disinfectant wipes.
- Do not use them to clean hands.
- Do not use as baby wipes.

HOW DO I MINIMIZE RISK?

- Never mix cleaning products. Leave them in their original container.
- Wear protective gear like gloves, masks, and eyewear. Do not reuse disposable gear if contaminated with disinfectant.
- Wash hands after use.
- Always follow the label, including listed surfaces and contact times.
- Store out of reach of kids.
- Open windows and use fans to ventilate. Step away from odors if they become too strong.

UCCE Central Sierra Agriculture

Working Rangeland Wednesdays

Working Rangelands Wednesdays
Webinar Series
June 3, 2020 at 1:00PM PDT



Please join us for our next webinar on June 3, which will feature Dr. Ken Tate, Professor and Rustici Specialist in Rangeland Watershed Sciences, discussing current issues surrounding grazing and water quality on California's rangelands and pastures.

Register at <https://tinyurl.com/WRWs3> (we will email registrants a Zoom meeting link morning of the webinar)

Working Rangelands Wednesdays is a bi-weekly webinar series where we explore topics around rangeland agriculture in California and across the West. You can view previous Working Rangelands Wednesdays sessions on the [UC rangelands YouTube channel](#). For questions, please contact Dr. Leslie Roche at lmroche@ucdavis.edu.

UC Ag Experts Talk: Air Blast Sprayer Calibration

Webinar - June 9th, 2020 at 3pm

UCCE Farm Advisors Lynn Wunderlich and Franz Niederholzer will explain the importance of proper calibration and go through the steps of properly calibrating an air blast sprayer. This information is critical for PCAs, applicators, and growers of trees and vines so that pesticides are applied to the target crop at the proper application rate with good coverage and minimal drift.



University of California
Agriculture and Natural Resources
Integrated Pest Management Program

One DPR CE unit (other) and one CCA CE unit (IPM) are pending.

Register for the [Air Blast Sprayer Calibration](#) webinar or visit [UC Ag Experts Talk](#) for info.

Does livestock grazing benefit organic crops? Multistate research team explores impacts



Author: Pamela Kan-Rice

Livestock grazing could be beneficial for organic farming systems. To see if the practice poses any food safety risks, university, government and nonprofit partners will receive a nearly \$1 million U.S. Department of Agriculture [Specialty Crop Multistate Program](#) grant to study the impacts of livestock grazing of cover crops on bacterial population dynamics, soil building and environmental health.

“Fresh produce growers and their advisors will benefit from learning about the impacts of integrating livestock grazing with winter cover crop management on soil health including soil organic matter, nutrient cycling and reduced nitrate leaching, and potential food safety risks discovered in this project to make decisions on adoption, management, and environmental benefits of winter cover crop management in annual vegetable systems,” said [Alda Pires](#), University of California Cooperative Extension specialist in the UC Davis School of Veterinary Medicine and principle investigator in the study.

The \$999,985 project, titled “Evaluating the food safety impacts of cover-crop grazing in fresh produce systems to improve cover crop adoption, crop-livestock integration, and soil health,” is being led by the University of California in partnership with The Organic Center, USDA's Agricultural Research Service, the University of Maryland Eastern Shore, the University of Minnesota and California Department of Food and Agriculture.

Livestock grazing of cover crops could be beneficial for organic systems because it maximizes the strengths of cover cropping, including enhanced soil fertility, structure, water infiltration and storage, and reduced nitrate leaching, while addressing challenges that have limited the expansion of cover crop use. These challenges include concerns over cover-crop water use and nutrient immobilization, which could result in nutrient deficiencies and increase input costs for the crops that follow.

Continue reading [Does livestock grazing benefit organic crops?](#)

Foothill Grape Day 2020 Presentations

The Foothill Grape Day presentations are available to download and view at your leisure.

This year's topic: [Vineyard Pest Management](#)

UCCE Central Sierra Forestry

Burn permits need to facilitate – not prevent – “good fire” in California

Authors:

**Rob York , UC Cooperative Extension and UC Berkeley
Ariel Roughton, Berkeley Forests
Ryan E. Tompkins, UC Cooperative Extension
Susie Kocher, UC Cooperative Extension**



Summary

The weather last fall was unusually favorable for private landowners to carry out prescribed burns to reduce wildfire hazard. Burn permits, however, made burning unnecessarily difficult. Safe and effective prescribed burns can benefit from changes in permitting.

Full text

In California, there is intense focus on expanding the use of prescribed burns — fires that are intentionally set to burn with low intensity and to consume litter and woody debris across the forest floor. Policymakers have recognized the critical importance that prescribed burns have in reducing the impact of large, damaging wildfires (Little Hoover Commission 2018), and \$1 billion in state funding over the next 5 years is aimed at reducing the century-long buildup of fuel on forest floors. Yet only a small fraction of what is needed to facilitate these “good fires” is being done.

Continue reading [Burn permits need to facilitate - not prevent - "good fire" in California](#)

SAVE THE DATE

**Register now for a California Forest Stewardship Workshop
September 12th, 13th and 26th, 2020
UC Berkeley Forestry Camp, Meadow Valley, Plumas County**



Days one and two will consist of classroom and forest-based instruction on ecological concepts and measurement skills. After a week’s break to collect information, participants will return on day three to write up a personalized management plan. Participants who develop a plan will be eligible for a free site visit with a California Registered Professional Forester.

Registration for the workshop is \$60. Sign up now at:

<http://ucanr.edu/forestryworkshops/>

For questions, contact Kim Ingram, kcingram@ucanr.edu

Please note, this workshop may move to an online format depending on any COVID-19 restrictions

UCCE Central Sierra Livestock

A New Fact Sheet to Help Producers Select the Right LGD Puppy

Author: Dan Macon

When we started in the commercial sheep business over 15 years ago, we knew we wanted to use livestock guardian dogs (LGDs) to protect our sheep from predators. LGDs were not as common then in the foothills as they are today, so our choices were somewhat limited - and my knowledge of these dogs was even more limited. One LGD puppy looked much like another (white and fuzzy) - and while I knew enough to pick a pup from working stock, I didn't know the questions I should be asking - or even what I should be looking for in terms of behavior. While we were lucky enough to pick up an older dog who turned out to be a decent protector, our record of success in our early years was mixed at best.



As we gained more experience using LGDs, we started to look for specific traits in new dogs. And we started to realize the importance of appropriate bonding and early-life "training" (I use the word "training" here differently than I might use it with respect to a herding dog - training a LGD doesn't necessarily involve teach a dog specific commands). As I've gained more experience and insight, our record of success has improved.

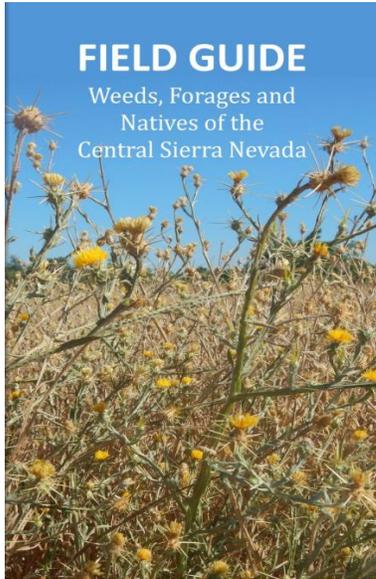
Over the last six months, I've been collaborating with extension colleagues in California and elsewhere to increase our understanding about what makes a solid livestock guardian dog. Carolyn Whitesell, who is the new human-wildlife interactions advisor with UC Cooperative Extension in the Bay Area, has experience working with LGDs in Africa. Bill Costanzo, who comes from a California sheep background, is a LGD extension specialist with Texas A&M. We've worked to come up with a new fact sheet on selecting the right LGD puppy. [You can download it here.](#)

Over the coming months, we hope to produce a series of fact sheets on caring for your LGD, as well as on bonding techniques and problem-solving. Carolyn and I will also be surveying producers about their techniques for bonding LGDs with livestock. Stay tuned!

In the meantime, you may want to check out my Flying Mule Dogs channel on Instagram - you can follow me at @flyingmule. I'll be posting additional videos about the LGDs we use in our operation!

Read the original article [A New Fact Sheet to Help Producers Select the Right LGD Puppy](#)

FREE UCCE Central Sierra Weed Guide



FIELD GUIDE

Weeds, Forages and
Natives of the
Central Sierra Nevada

Free copies are available at our UCCE County offices. Since offices remain closed to the public, please call during office hours for information.

Or click image for eBook.

Amador Office - Monday - Friday, 8am - 5pm: 209-223-6482

Calaveras Office - Monday - Friday, 8:30am - 4:30pm: 209-754-6477

El Dorado Office - Monday - Friday, 8am - 5pm: 530-621-5502

Tuolumne Office - Monday - Friday, 9am - 5pm: 209-533-5695

Have you seen this?



Author: Scott Oneto

If you are seeing bright orange globs of jelly attacking your incense cedar tree, this is likely cedar broom rust, also referred to as Pacific coast pear rust. Why the two names? Well this particular disease is unique in that it requires two separate hosts to complete its life cycle. The fungus (*Gymnosporangium libocedri*) begins its life cycle on incense cedar

where, in early spring, the fungus produces spores in jelly-like orange masses during wet weather.

These spores don't re-infect incense cedars, but are windblown to the alternate host. Pears are often the preferred alternate host, but a variety of trees and shrubs in the rose family, including apple, crabapple, hawthorn, mountain ash, quince and serviceberry are also susceptible. Spores can be blown in the air for up to 6 to 10 miles. On the alternate host, leaf spots will be produced later in the spring. Spores produced on this host are windblown to the incense cedars, where they initiate infections. The jelly-like orange masses will be seen the following spring. Spores, from a single infection, may be produced over a 2 to 3-year period on cedars.

Continue reading [Have you seen this?](#)

UCCE Central Sierra Master Food Preservers

We are still here to answer your questions and address needs during this unprecedented situation. Check out our [website](#), or our "[Ask a Master Food Preserver](#)" link or call 530-621-5506 to leave a message and someone will return your call.

Thank you for your understanding.



Reliable home food preservation videos now available on new website

Author: Jeannette E. Warnert

Americans' interest in traditional homemaking activities – gardening, cooking, baking bread and canning – has risen dramatically over the last few months, according to [Google Trends](#). Getting reliable information is particularly important when it comes to home food preservation. But internet search results don't always display research-based information at the top. Using the wrong procedure won't qualify as a hilarious [Pinterest Fail](#); it can be fatal.

To make reliable home food preservation how-to videos easy to find, a team of UC Cooperative Extension professionals and volunteers reviewed and aggregated research-based food preservation videos produced by Cooperative Extension programs across the nation on one website – <http://ucanr.edu/MFPvideolibrary>.

“As far as we can tell, this site is the only website with a full collection of food safety and food preservation videos from the Cooperative Extension system,” said UCCE Master Food Preserver coordinator [Sue Mosbacher](#).

Continue reading [Reliable home food preservation videos now available on new website](#)



UCCE Central Sierra Master Gardeners

While we work on plans for opening gardens and resuming meetings or small classes, our UCCE Master Gardeners are still available to answer your questions! When leaving phone messages, be sure to include your contact information so they can get back to you with answers. You can also explore our online resources, including [monthly gardening tips](#), original articles written by UCCE Master Gardeners in [Amador](#), [Calaveras](#), [El Dorado](#), and [Tuolumne](#) Counties, and [South Lake Tahoe](#), and a [gardening radio show](#), by visiting our [UCCE Master Gardeners of Central Sierra website](#) anytime!



Amador Master Gardeners

- Phone: 209-223-6838
- Email: mgamador@ucanr.edu
- Online: [Ask a Master Gardener](#)
- Look for us on [Facebook](#)

Calaveras Master Gardeners

- Phone: 209-754-2880
- Email: calaverasmg@ucanr.edu
- Online: [Ask a Master Gardener](#)
- Look for us on [Facebook](#)

El Dorado Master Gardeners

- Phone: 530-621-5512
- Email: mgeldorado@ucanr.edu
- Online: [Ask a Master Gardener](#)
- Look for us on [Facebook](#)
- Follow us on [Instagram](#)

Lake Tahoe Master Gardeners

- Phone: 530-314-8383
- Email: laketahoemg@ucanr.edu
- Look for us on [Facebook](#)
- Follow us on [Instagram](#)

Tuolumne Master Gardeners

- Phone: 209-533-5912
- Online: [Ask a Master Gardener](#)
- Look for us on [Facebook](#)



The Central Sierra Victory Gardens 2020 Facebook group is now active. Join us!

Join us on Facebook for our new community! Click the link and click JOIN.

<https://www.facebook.com/groups/2869134093201149/>

Open to ANY resident of Calaveras, Amador, El Dorado or Tuolumne Counties

Share your veggie, fruit & herb gardens, photos, progress, trials, and successes with others as we share information, resources and our own gardens.

Connect with other local gardeners, be less isolated and go outdoors and be productive in these trying times.

Our main push as UCCE Master Gardeners is to **share gardening information** to the home gardeners of our communities. Help us accomplish our goal by using this group to connect and share with others in your area.

We'd love it if you'd also **invite your gardening friends** to join us, and share our new group!



Kid's Day in the Garden - At Home

UCCE Master Gardeners of Calaveras County had their first Kid's Day in the Garden – At Home Garden Bag Give Away.

Kids' Day in the Garden was scheduled for Saturday, May 9th. It could not take place at the Master Gardener Demonstration Garden due to COVID-19 requirements for safety. This would have been their 13th year! Instead they provided for a "Kids' Day in the Garden - at Home." They worked hard to provide garden bags that were given away to those families that signed up via a simple online form.

At Home Garden Bags were distributed the week of May 18th at Jenny Lind Elementary, Valley Springs Elementary, Mokelumne Elementary, Rail Road Flat Elementary, and West Point Elementary. For those families that were unable to pick up their bags, plans are underway to have them available for pick up at the Calaveras Grown Farmers Market on June 18th.



What were inside those bags you ask? All kinds of fun stuff that families could do at home. We want to thank our collaborative partners that made this all possible which includes First Five of

Calaveras, Prevent Child Abuse Council, Dignity Health, CalFresh Healthy Living-UC, and Gardens to Grow In.

UCCE Central Sierra 4-H Youth Development

4-H Camp Updates

Tuolumne County 4-H Camp

Due to uncertainty with the current environment **we have made the decision to postpone our camp until next year.** We are excited to see everyone at camp in 2021.

[Tuolumne 4-H](#) is hosting a virtual 4-H Fest this year! This event will include a foods competition, judging classes and the skillathon competition. There will also be online demonstrations from the various projects throughout the county!

Everyday we are posting a new activity on Facebook ([Calaveras FB](#), [Tuolumne FB](#)) and Instagram ([Calaveras](#), [Tuolumne](#))! These activities are all easily done at home and with the whole family. Each activity is based off of the National 4-H activity guides or peer reviewed curriculum. Even though we are all working from home, we never stop learning by doing!

El Dorado County 4-H Camp

Due to uncertainties this year and our facility at Camp Concord not opening, we unfortunately cancelled 2020 summer camp. We look forward to camp in 2021.



County Fairs and Junior Livestock Auctions



El Dorado County

Online swine show and auction to be held June 19th - 21st.

For more information visit:

<https://eldoradocountyfair.org/livestock.html>

Tuolumne County

Due to the cancellation of the 2020 Mother Lode Fair, the 29th DAA has **moved the Junior Livestock and Small Livestock Auctions ONLINE!**

All species will sell in one auction beginning 3 PM on Friday, July 3rd. The auction will begin closing at 9 AM Sunday, July 5th and will close sequentially one lot at a time.

The El Dorado County Fair has been postponed until July 9th-12th. *Note: If they do not have a traditional Fair, ALL EXHIBITS WILL STILL BE JUDGED*

For more information, visit:
<https://eldoradocountyfair.org/fair.html>

For more information, visit:
<https://motherlodefair.org/mother-lode-fair/junior-livestock-auction/>

Amador County 2020 Junior Livestock Auction

While the Amador Fair Board has cancelled the 2020 County Fair, plans are in the works for the Junior Livestock Auction; while it has not been decided if there will be an in-person show, they have determined small animals will now be included in the sale. Check here for information and updates: <https://www.amadorcountyfair.com/>

Virtual junior livestock auction brings in over \$400k



Author: Dakota Morlan, Calaveras Enterprise

The livestock barns at the Calaveras County fairgrounds were eerily quiet, with animals sleeping in pens under the sound of falling rain.

On a regular third Sunday in May, the barns would be filled with the hectic excitement of FFA and 4-H kids sprucing up their steers, goats, lambs and pigs for auction. But today, there were no humans to be found—except for a small group of tired-looking adults huddled inside the fairgrounds livestock office. All members of the Junior Livestock Committee (JLC), they watched as buyers placed bids on photos of exhibitors and their animals, uploaded onto SC Online Sales.

The first virtual auction in Calaveras County Fair history brought in more than \$435,000 from local buyers—not a bad year, considering the circumstances, says JLC President Shawn Westberg.

Continue reading [Virtual junior livestock auction brings in over \\$400k](#)

Join us on social media & follow 4-H from home!

Visit your county's Facebook page for updates and activities to help keep us all connected:

[Amador 4-H](#)
[Calaveras 4-H](#)
[El Dorado 4-H](#)
[South Lake Tahoe 4-H](#)
[Tuolumne 4-H](#)



[California 4-H](#)
[California 4-H at Home webpage](#)

[Amador 4-H](#), [Calaveras 4-H](#), [El Dorado 4-H](#), and [Tuolumne 4-H](#) are also officially on instagram! Follow [@tuolumne4h](#) to keep up to date on what's happening in their county! Or [@California4H](#) to see whats happening around the state. We will be posting fun activities and resources - be sure to check it out!

UCCE Central Sierra Community Health & Nutrition

Visit our [UCCE Central Sierra COVID-19 Community Resources page](#) for the latest information about food resources and topics in your area.

Nutrition News for the Central Sierra

Welcome to our monthly newsletter about food, nutrition, and healthy living in the Central Sierra.

To read [the most recent newsletter](#), or peruse past issues, visit our [website](#), or click below to subscribe.

[Click here to join the Nutrition Newsletter Mailing List.](#)



Supporting Farmers Markets in the Time of COVID-19



Author: **Katie (Cathryn) R Johnson**

When California issued a statewide stay-at-home order to slow the spread of COVID-19 earlier this Spring, a handful of essential services were exempted from the order. Along with grocery stores and agricultural operations, farmers markets were included as essential sources of food. For the farmers and other vendors who sell at farmers markets, their businesses and sometimes their livelihoods depend on the markets. For many people, farmers markets are important social occasions, as we all like to gather around good food to talk, share, and eat together. But the primary role farmers markets fill as sources of nutrient-dense, high-quality, fresh fruits

and vegetables has become increasingly clear as bare produce shelves in stores have become an unfortunately common sight.

As the Nutrition, Family and Consumer Sciences Advisor for UC Cooperative Extension in the Central Sierra, my primary mission is to help connect foothill residents with healthy food, especially fruits and vegetables. One of the best ways to do that is to support farmers markets. I know that our foothill growers want to feed the people in their communities, and I know that many people want to eat locally and support local businesses. Especially now that the COVID-19 crisis has caused cracks in the national structures we use to distribute food, farmers markets' role as essential sources of healthy food has only increased.

Continue reading [Supporting Farmers Markets in the Time of COVID-19](#)

Harvest of the Month



June brings an abundance of early stone fruits to California markets, and plums one of the most widely available and diverse types of stone fruits available. Plums come in many different colors, from purple to yellow to green, and tend to have tart skins and sweet flesh. As they ripen, plums become softer and sweeter, so you can choose to eat them when they're tart and crunchy, or when they're sweet and tender. A good source of Vitamin C, plums also provide some Vitamin A and dietary fiber. Plums are delicious when eaten plain, but because of their sweet-tart flavor they also go well in a number of different recipes. When cooked or baked, plums' naturally tart flavor becomes more pronounced, so take into account how much sweetener a cooked plum recipe may require. See below for recipe ideas, or learn more about plums and view their nutrition facts at the USDA's [Seasonal Produce Guide](#).

Recipe Ideas:

- [Spicy Greens and Plum Salad](#)
- [Savory Grilled Plums](#)
- [Plum and Oregano Chicken Kebabs](#)

UCCE Integrated Pest Management and more...

"Mosquito Eaters" and Mosquitoes

Warmer weather means many pests are flying and joining you indoors while you shelter-in-place or outdoors while you are getting some exercise or keeping connected yet socially distant from the neighbors.

Lately you may have seen some large, leggy insects bumbling around on your walls and windows. What are these? While many people call them "mosquito eaters" or "mosquito hawks," they are actually crane flies. And unfortunately, they do not eat mosquitoes. These insects may be a nuisance when you find them in your home, but the adults are basically harmless. Although the adults are not particular pests of importance, the larvae can be pests of lawns and turfgrass. You can read more about crane flies in a [previous blogpost](#) and learn about ways to manage crane flies in our [Pest Notes: Lawn Insects](#).

Mosquitoes on the other hand are pests to be concerned about. Mosquitoes pierce through our skin with needle-like mouthparts, sucking out our blood. In doing so, they could also be transferring disease-causing pathogens. Find out more about protecting yourself from mosquitoes and reducing mosquito breeding sites in the UC IPM [Pest Notes: Mosquitoes](#).



New additions to the UC IPM website.

[What is Integrated Pest Management \(IPM\)?](#) - Integrated pest management, or IPM, is a process you can use to solve pest problems while minimizing risks to people and the environment. IPM can be used to manage all kinds of pests anywhere—in urban, agricultural, and wildland or natural areas.

[Green Bulletin, Winter 2020 Issue](#) - Information for pest management professionals and pesticide applicators.

[Plant problem diagnostic tool](#)

[Natural Enemies Gallery](#)

[Weed Identification and Photo Gallery](#)

[Seasonal IPM](#)

[Recent Updates at IPM](#)

[UCIPM Weather Models & Degree Days webpage](#)

Thank you for your continued interest in the UC Cooperative Extension Central Sierra's news, workshops, and events.

Sincerely,

JoLynn Miller

Director and 4-H Youth Development Advisor

University of California Cooperative Extension Central Sierra

530-621-5502 | 888-764-9669 | cecentralsierra@ucdavis.edu | cecentralsierra.ucanr.edu



Accessibility: Should you need assistance or require special accommodations for any of our educational programs, please contact us at 530-621-5502.

The University of California working in cooperation with County Government and the United States Department of Agriculture.

It is the policy of the University of California (UC) and the UC Division of Agriculture & Natural Resources not to engage in discrimination against or harassment of any person in any of its programs or activities. (Complete nondiscrimination policy statement can be found at <http://ucanr.edu/sites/anrstaff/files/215244.pdf>). Inquiries regarding ANR's nondiscrimination policies may be directed to UCANR, Affirmative Action Compliance & Title IX Officer, University of California, Agriculture and Natural Resources, 2801 Second Street, Davis, CA 95618, (530) 750-1397.

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