



Asian Citrus Psyllid News

WINTER 2018

Contact Your Local Master Gardener

Amador County

209-223-6838
Office hours: 10 am–Noon
Tuesday–Thursday
mgamador@ucanr.edu

El Dorado County

530-621-5512
Office hours: 9 am–Noon
Tuesday–Friday
mgeldorado@ucanr.edu

Sign Up Online

Not on our e-newsletter distribution list yet? Know someone who would like to receive our newsletters and notifications on classes and events?

Sign up online at:
<http://ucanr.edu/mgenews>

Free Pest Notes

Free Pest Notes are available on a variety of topics. For more information, call or email your local UCCE Master Gardener office. To explore the Pest Notes on the UC Integrated Pest Management (IPM) website, go to www.ipm.ucdavis.edu



A devastating disease affecting citrus throughout the world may well be headed for a decline thanks to a find made by an international group of scientists led by UC Davis chemical ecologist, Walter Leal. After six years of research, the sex pheromone of the Asian Citrus Psyllid (ACP) has been identified. It was a difficult endeavor due to the insect's complex behavior and its

biology. ACP is the pest, originally from Asia, that transmits the bacterial disease, Huanglongbing (HLB) as it feeds on citrus.

Huanglongbing—also known as citrus greening disease—has devastated the citrus industry in Brazil, China, and the United States. It was first discovered in the United States in Florida in June 1998. It spread across the southern U.S. and was then discovered in August 2008 in Southern California. HLB was detected in August 2005 in Florida and in Orange County, California, in 2012. Citrus infected with HLB die within 5 years and there is no cure for the bacteria at this time. Florida's citrus industry's production dropped off 28 million boxes from 2014–2015. In Southern California over 260 citrus trees in homeowners' yards have been identified to have HLB and have been removed to stop the spread to other homeowners and to California's citrus industry.

“Dr. Leal's discovery of the Asian citrus psyllid pheromone is a significant breakthrough in preventing the spread of this serious citrus insect, and may offer a less toxic method for its control,” said integrated pest management specialist Frank Zalom, distinguished professor with the UC Davis Department of Entomology and Nematology. As with other insects, having a lure on a sticky trap greatly enhances that trap's ability to trap insect populations so they may be monitored.

Asian Citrus Psyllid is about the size of an aphid, and feeds on new growth of all citrus and a few other related plants. Their larva excrete waxy, white “tailings” that are easier to see than the adult. Unless their populations are large, the ACP does very little damage to the tree. It is the bacteria that causes lopsided fruit that does not ripen, and also limb death.

(continued on page 2) ►

► *Asian Citrus Psyllid...* (continued from page 1)

As of last year, ACP has been detected in 26 out of 58 California counties: Alameda, Contra Costa, Fresno, Imperial, Kern, Kings, Los Angeles, Madera, Merced, Monterey, Orange, Placer (2016), Riverside, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Solano, Stanislaus, Tulare, Ventura, and Yolo (2016). Many of these counties are hubs for the citrus industry just like the mandarin areas in El Dorado County. California Department of Food and Agriculture (CDFA) has been a source for the industry and homeowners to monitor and track populations of ACP. Homeowners may report suspicious insects or disease symptoms in citrus trees at CDFA's hotline: 1-800-491-1899.

Additional resources:

UC IPM

<http://ipm.ucanr.edu/PMG/r107304411.html>

California Department of Food and Agriculture (CDFA)

https://www.cdfa.ca.gov/plant/PDEP/target_pest_disease_profiles/ACP_PestProfile.html

Save Our Citrus: Hotline Information

<https://www.cdfa.ca.gov/plant/acp/>

UC Agriculture and Natural Resources (UC ANR)

<http://anrcatalog.ucanr.edu/pdf/8205.pdf> ♡

Get Answers to Your Gardening Questions Online

http://cecentralsierra.ucanr.edu/Master_Gardeners

- Information about UCCE Master Gardeners and how to become one
- Calendar of Master Gardener events including a list of public classes
- Useful links to gardening websites
- Home gardening publications

Got a specific question?

Ask a question through our online form:

[Ask a MG of Amador County](#)

[Ask a MG of El Dorado County](#)

Or just email us!

Amador: mgamador@ucanr.edu

El Dorado: mgeldorado@ucanr.edu

WHAT TO PLANT AFTER TREE LOSS

DOWNLOAD THE BROCHURE AT:

<http://cecentralsierra.ucanr.edu/files/266459.pdf>

TREE MORTALITY INFORMATION:

http://cecentralsierra.ucanr.edu/Tree_Mortality/

MORE RESOURCES:

UC Forest Research and Outreach:

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

UC Forest Stewardship Series: Pests and Disease:

<http://anrcatalog.ucanr.edu/pdf/8246.pdf>

CalFire Ready for Bark Beetle:

<http://www.readyforwildfire.org/Bark-Beetles-Dead-Trees/>

CalFire's Tree Mortality Mapper:

<http://egis.fire.ca.gov/TreeMortalityViewer/>

US Forest Service S. Sierra Forest Health Program:

https://www.fs.usda.gov/detail/r5/forest-grasslandhealth/?cid=fsbdev3_046697

Sherwood Demonstration Garden News

By Sue McDavid

UCCE Master Gardener of El Dorado County

Even though there was no rain to speak of in December, work was ongoing in the Sherwood Demonstration Garden and there is always something to do. “2nd Saturdays With Barry” in the Vegetable Garden (see list of classes on page 4) continues on the second Saturday of each month, and attendees are learning that winter is the time for many vegetables. Cover crops were sown in one bed and it is now filled to capacity with soil-enriching legumes, etc. The Vegetable Garden committee also held a short workshop one afternoon to show people how to construct a PVC structure to hold frost cloth or shade cloth. It was a big hit, and so easy and economical to build.

Other garden committee members are busy cutting back spent perennials. Pruning of the rose garden and orchard will begin in earnest come February. Several Geo-Bins were placed randomly around the garden and are already filled to their brims. A major project coming up is building more permanent compost containers.

The propagation area now has a very nice metal shade structure that we will begin putting together very soon. We hope to have this area up and running by the time the garden reopens to the public in April. The shade structure will be a huge help since the sun is unrelenting in that area.

Mark your calendars now! Our annual spring plant sale is scheduled for **Saturday, April 21**, to be held at the garden from 8 a.m. to 2 p.m. (See the flyer on page 5.) We will again have hundreds of plants: perennials, shrubs and trees, succulents, herbs, ornamental grasses, natives and, of course, tomatoes and vegetables. Plan to come out and do your spring plant shopping then. ♡



Sherwood Demonstration Garden Open April 1 to October 31

From April 1 to October 31, the Sherwood Demonstration Garden (SDG) will be open on Fridays and Saturdays from 10 am – 2 pm.

UCCE Master Gardeners of El Dorado County care about your safety. SDG is closed when it is raining or when temperatures reach above 95 degrees.

Our website now has a link to the weather forecast we use. Please check our website before visiting for these or any other changes in current open days.

On open days, there are trained Master Gardener docents on duty to talk with visitors about the garden and answer questions.

Guided tours can be arranged for small or large groups by contacting Sheri Burke at 530-676-1009.

Visit the SDG at 6699 Campus Drive in Placerville. Built on property owned by the El Dorado County Office of Education, SDG is located between Folsom Lake College-El Dorado Center (FLC-EDC) and the Community Observatory.

Parking in the FLC-EDC parking lot is \$2.00.

For more information about the Sherwood Demonstration Garden, please call the UCCE Master Gardener office at 503-621-5512 (Tue-Fri from 9-12) or check out the SDG pages on our website.

 [Sherwood Demonstration Garden](#)



Free! PUBLIC EDUCATION CLASSES

Classes are from 9 am to Noon, unless otherwise noted.

Please call ahead or check online to confirm locations.

Click on the class title for the option to schedule an email reminder for the class.

Amador County

Click on class title for more information.

Questions? Call 209-223-6838.

Jan 20 [Introduction to Gardening in the Foothills](#)

New to gardening in the foothills? Or are you interested in trying something different in your home garden and landscape? Home gardening in the local foothills can be challenging. Pick up great tips on meeting those garden challenges during this class. Information and methods of assessing your growing area, proper plant selection, as well as proper planting techniques will be discussed and demonstrated. Location: Amador County GSA Building, 12200-B Airport Road in Jackson.

Jan 27 [Selection & Care of Roses / Flowering Trees & Shrubs](#)

Roses, flowering trees and shrubs are popular in local home landscapes and gardens. If you have questions about which ones to choose and how to successfully care for these colorful ornamentals, plan on attending this class. UCCE Master Gardeners at this class will discuss various ornamental trees and shrubs that grow throughout Amador County, and the seasons in which they bloom. Proper timing, planting, and pruning methods will be covered, as they vary with plant type. This class will also include detailed information about the most popular types of roses which can be grown in a landscape or garden setting in Amador County (Grandiflora, Hybrid Tea, Floribunda, Polyantha, Climbing, and Antique). We will also discuss how to best care for your roses throughout the year, including planting, irrigating, fertilizing, and pruning. Common diseases and pests of roses, and how to manage them with IPM, Integrated Pest Management strategies will be included. The class will include a rose pruning demonstration as well as a free raffle for the newly pruned specimen. Location: Amador County GSA Building, 12200-B Airport Road in Jackson.

Feb 10 [Grafting Fruit Trees – Hands-on Class](#)

Location: Amador County GSA Building, 12200-B Airport Road in Jackson.

El Dorado County

Click on class title for more information.

Questions? Call 530-621-5512.

Jan 27 [The Beer Garden – Combo Class](#)

Are you interested in taking your home brewing hobby to a new level? Add some unique character to your recipes by growing and using your own hops and brewing herbs. Join UCCE Master Gardener Sarah Robinson and the Master Food Preservers in a presentation of growing, harvesting, and drying hops and herbs. Location: Government Center Hearing Room, Building C, 2850 Fairlane Court in Placerville.

Feb 3 [Spring and Summer Vegetables](#)

It's time to prepare the garden for the delicious spring and summer vegetables. UCCE Master Gardener Zack Dowell will discuss garden plant selection, planting times, site selection, soil preparation, proper seed planting techniques, and pest management. Location: Government Center Hearing Room, Building C, 2850 Fairlane Court in Placerville.

Feb 3 [Pruning for that Fabulous Rose Display](#)

The timing of rose pruning in our county is critical. If you are a novice or need a review of the “whys, whens and hows” of rose pruning this class is for you. Join UCCE Master Gardener Eve Keener for a workshop on this art and grow roses your neighbors will envy! (Rain date: 2/10/18) **Time: 1:00 pm to 3:00 pm.** Parking fee: \$2.00 (see kiosks in college parking lot). Location: Sherwood Demonstration Garden, 6699 Campus Drive in Placerville (behind Folsom Lake College, El Dorado Center).

Feb 10 [2nd Saturdays with Barry – Straw Bale Gardening – Part 1](#)

A lot of things are happening in the winter vegetable garden. Barry will explain various planting, thinning, and pest control needs as well as needs for the success of your vegetable garden during each month's demonstration. **Time: 10:00 am to Noon.** Parking fee: \$2.00 (see kiosks in college parking lot). Location: Sherwood Demonstration Garden, 6699 Campus Drive in Placerville (behind Folsom Lake College, El Dorado Center).

PLANT SALE



SATURDAY, APRIL 21, 2018 8:00AM-2:00PM

**Sherwood Demonstration Garden
6699 Campus Drive, Placerville**

CASH OR CHECKS ONLY. SORRY NO CREDIT CARDS!

See our Website at http://ucanr.org/sites/EDC_Master_Gardeners
Or check us out on Facebook.

UCCE Master Gardeners of El Dorado County

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Should you need assistance, or require accommodations for any physical challenge, please let us know.

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

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UCCE Master Food Preserver Volunteer Training



- *Do you enjoy canning or drying food?*
- *Do you enjoy teaching others how to learn new skills?*
- *Do you want to meet new people who share your food passion?*

Attend our one-hour informational meeting (listed below) and you'll learn about the mission of the UC Cooperative Extension Master Food Preserver program, the educational events we provide in our community, the training required to become a certified volunteer, and the annual requirements for active members.

Learn How to Become a UCCE Master Food Preserver!

Jan 20 Informational Meeting

(10:00 am–11:00 am) 956 Calaveras County Senior Center, Mountain Ranch Road, San Andreas, California 95249. RSVP [online](#) or by calling 530-621-5528 or email Robin at rkleveland@ucanr.edu.



MASTER GARDENERS ON FACEBOOK

[UCCE Master Gardeners of Amador County](#)
[UCCE Master Gardeners of Calaveras County](#)
[UCCE Master Gardeners of El Dorado County](#)
[UCCE Master Gardeners of Tuolumne County](#)



University of California
Cooperative Extension

Master
Food
Preserver

**PUBLIC
CLASSES**

Upcoming Classes

- For information on El Dorado County classes, call 530-621-5506 or email to edmfp@ucanr.edu
- For information on Amador/Calaveras County classes, call (209) 223-6857 or email to acmfp@ucdavis.edu

Jan 20 Pressure Canning

(9:00 am–noon) Bethell-Delfino Agriculture Building, 311 Fair Lane in Placerville.

Jan 27 The Beer Garden – Combo Class

(9:00 am–noon) Government Center Hearing Room, Building C, 2850 Fairlane Court in Placerville.

Feb 10 Make & Take Workshop: Cheese (FULL)

(9:00 am–noon) Bethell-Delfino Agriculture Building, 311 Fair Lane in Placerville.

Feb 17 Make & Take Workshop: Sauerkraut

(9:00 am–noon) Bethell-Delfino Agriculture Building, 311 Fair Lane in Placerville.

Mar 17 Basic Canning & Food Safety

(9:00 am–noon) Bethell-Delfino Agriculture Building, 311 Fair Lane in Placerville.

Mar 24 Tomatoes from Seed to Table – Combo Class

(9:00 am–noon) Government Center Hearing Room, Building C, 2850 Fairlane Court in Placerville.

Central Sierra Master Food Preserver Classes



MASTER FOOD PRESERVERS ON FACEBOOK

[UCCE Master Food Preservers of Amador/Calaveras County](#)
[UCCE Master Food Preservers of El Dorado County](#)



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

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