

UCCE Central Sierra in the Tahoe Basin - An Overview



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UCCE in the Tahoe Basin

- Before 2006, no staff in basin
 - Occasional programs offered in forestry, weeds and range management, and 4H
- After 2006, added staff and programs
 - Natural Resources/ Forestry 2006, 1 FTE
 - Nutrition Education 2011, 2 FTE
 - Master Gardeners 2013, 0.5 FTE



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Natural Resources – Angora Fire Research/ Outreach

- Defensible space workshop 2007
- Future Forest Workshop 2007
- Voluntary Revegetation Guidelines 2009
- Replanting Demonstration Area 2010
- Forest Regrowth Monitoring 2007- 2017
- Angora 10 Year Science Symposium 2017

The Angora Fire 10 Years Later: What have we learned?

**Symposium and Field Trip:
June 22-23, 2017**



Thursday, June 22nd, 2017

9:00 A.M. - 4:00 P.M.: Field trip in burned areas of the Angora Fire, South Lake Tahoe, CA

5:00 - 8:00 P.M.: Poster Session/reception at Sidellis Brewery, 3350 Sandy Way, South Lake Tahoe, CA

Friday, June 23rd, 2017

Registration opens at 8:30 A.M. Program 9:00 A.M. - 4:30 P.M.: Symposium at Lake Tahoe Community College Aspen and Board Room, One College Drive, South Lake Tahoe, CA

Fill out the [online registration](#) for Field Trip, Poster Session/Reception and/or Symposium.
Register by June 16, 2017

Presented by: California Fire Science Consortium, University of California Cooperative Extension, US Forest Service Lake Tahoe Basin Management Unit and Lake Tahoe Community College.

Symposium Goal: To bring together managers, scientists, and public representatives to increase understanding about the Angora fire, the research and management done there afterwards, and the lessons learned there that can-and are-being applied in the basin and throughout the Sierra.

Audience: Lake Tahoe basin land managers, researchers, regulators, planners and decisions makers.

For Additional information: Contact Christina Restaino at cmrestaino@ucdavis.edu, or Susie Kocher at 530-542-2571, sdkocher@ucanr.edu.

For hotel stay and/or more information see <http://ucanr.edu/angora10/>.







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Natural Resources – Wildfire Education

- Training educators in forestry and wildfire curriculum through Project Learning Tree and the California Naturalist
- Outreach to adults through coordination of Wildfire Awareness Week, 2010 – 2013

Project Learning Tree
Educator Training

Project Learning Tree (PLT) is an award-winning environmental education program designed for educators working with youth from pre-K to grade 12.



FREE!
(Optional \$10 cash lunch)

BENEFITS INCLUDE:

- Workbook of 100+ ready made lessons
- Easy to learn and lead programs
- Meet CA state curriculum standards
- Activities require few materials & little prep time
- Background info & instruction provided
- Volunteer opportunities in Tahoe

Thursday March 17, 2011
9:30 am – 4:00 pm



GET DEFENSIVE
Reduce the fuels, Reduce the risk.

Lake Tahoe Wildfire Awareness Week May 25-June 2, 2013

Funding for this poster is provided by a grant from the Nevada Division of Forestry in cooperation with the USDA Forest Service. The USDA Forest Service is an equal opportunity provider and employer.

Tree Mortality Research and Outreach

- Trained 150 Master Gardeners to answer questions from public on dead trees and replanting
- Developed Train the Trainer toolkit
- Hosted 8 reforestation workshops in 2017 & 2018
- UC tree mortality data collection throughout Sierra in 2017 and 2018

WHY ARE CONIFERS DYING?

Across the state, but in the Sierra Nevada in particular, unprecedented numbers of trees have died on both public and private land. Many trees stressed from the four year drought and overcrowding have succumbed to bark beetles. Aerial detection surveys done in 2016 showed that 102 million trees have died.

Hardest hit have been ponderosa pines (*Pinus ponderosa*) but many incense cedars, sugar pine and white fir have died too. Western pine beetle is the primary culprit killing ponderosa pine, although mountain pine beetles and pine engravers have also been active.

Removing dead trees from your landscape is important, especially around your home. Dead trees should be removed to avoid falling onto homes or other infrastructure. Dead tree debris should be cleared to reduce fire risk and to create defensible space around your home.

DEFENSIBLE SPACE:

REMOVE:
Create a lean, clean, and green zone 30 feet around any structure.
Remove branches, limbs and brush 8-10 feet above ground.

REDUCE:
Reduce the number of shrubs and trees from 30 to 100 feet from the structure, or up to the property line to create a reduced fuel zone.

REPLACE:
Replace fire prone vegetation with green areas and fire breaks.

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WHAT TO PLANT AFTER TREE LOSS

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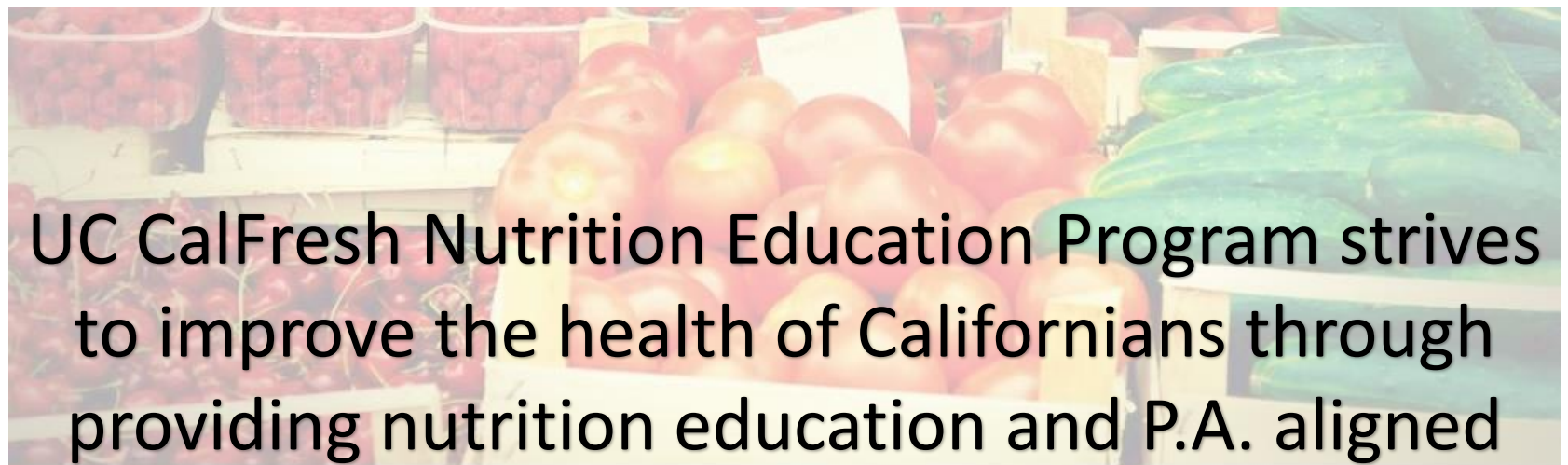
UCCE CalFresh Nutrition Education *Improving California's Health Through SNAP-ED*



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UC CalFresh Nutrition Education Program strives to improve the health of Californians through providing nutrition education and P.A. aligned



with P S E change initiatives that transforms the way people in communities

Learn, Live, Work, Shop, Eat, and Play.



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South Lake Tahoe

- 🌱 Program Since 2011
- 🌱 2 Fulltime Staff
- 🌱 Serving 6 of 7 Schools in LTUSD



Placerville

🌱 Serving Since 2015
Foodcorps

🌱 Program Since 2016

🌱 2 Full-time staff



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EL Dorado County FFY 2017

DIRECT EDUCATION PARTICIPANTS BY AGE AND GENDER

	Female	Male	Actual Count	Total
0-4	64	55	119	119
5-17	2,706	2,800	5,506	5,506
18-59	39	37	76	76
60+	5	4	9	9
Total	2,814	2,896	5,710	5,710

UC CalFresh Hours and Contacts

Hours Delivered Youth to Youth	Total Youth Participants	Total PSE Hours	Total Tasting Hours	Total Adult Participant
404	5,373	44	183	98

Vision



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UCCE Master Gardeners of Lake Tahoe

Master Gardeners educate the Tahoe community on research-based home horticulture and gardening.

Focus areas:

- climate appropriate food gardening (phenology studies)
- school gardening: scientific inquiry & nutrition
- proper use of fertilizers to protect Lake Tahoe water quality
- native & adaptive plants
- efficient irrigation methods
- landscaping for fire safety



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UCCE Master Gardeners of Lake Tahoe

- Started in 2013
- 4 Trainings
 - 65 Master Gardeners in Tahoe trained
 - 5,430 hours of volunteer efforts in Tahoe since 2013 = \$132,492
- Partner with local agencies, fire districts and LTUSD



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What we do...



- Community Workshops
- Garden Tours
- Plant Sales
- School Gardening Classes & Workshops
- Demonstration Gardens & Classes
- Newsletters



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School Gardening

Coordinate the School Garden Subcommittee of (STEEC) for all LTUSD Elementary Schools



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Tahoe Friendly Garden Program

Volunteer-based home garden certification program that focuses on:

- Water Conservation
- Beneficial Wildlife Habitat
- Soil Fertility
- Wildfire Safety
- Home-Grown Food



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Goals for UCCE Lake Tahoe



Expansion into the basin area:

- 4-H Youth Development Program
- UCCE Master Food Preservers Program



Find "permanent" county office space for all programs.