



Opportunities for Research and Extension at **Lindcove REC**

Located on 175 acres in the foothills east of Visalia, Lindcove Research and Extension Center (LREC) acreage is primarily citrus, but small acreages of olives, avocados, and pomegranates are also grown.

Center focus

LREC research focuses on developing new varieties, evaluating the effects of different combinations of rootstocks and scions on fruit quality and productivity, developing new pruning and irrigation methods, managing alternate bearing, testing cold-hardiness, evaluating post-harvest fungicides, screening herbicides, and testing biological and chemical methods of managing pests.

The LREC commitment

LREC commits to the viability of long-term research projects. The constraints that might be imposed by a commercial grower or landowner are not present. UC ANR underwrites a significant portion of the cost of conducting research at the Center. On-site staff and conference facilities simplify hosting extension activities.

Support for Research, Extension and Education

LREC provides the following to researchers:

- On-site Staff Research Associate
- Agricultural technicians
- Experienced contract labor
- Program Representative for outreach events

Facilities

- Research: existing citrus plantings, open fields for planting, greenhouses, state-of-the-art computerized packline grading system, walk-in coolers, fruit quality lab with a titrator, general-use research lab, weather stations, dormitory that sleeps 3-4, high-speed connectivity
- Extension and outreach facilities: 90-seat conference room with small kitchen, demonstration citrus variety orchard suitable for tours

Research requests for land, labor and facilities are screened by a research advisory committee. For more information about conducting research at LREC, visit <http://ucanr.edu/recforms> or call (559) 592-2408.



University of California

Agriculture and Natural Resources ■ **Research and Extension Center System**

Recent research topics from Lindcove REC:

Developing new seedless varieties of citrus

A long-running plant breeding project at Lindcove is using irradiation of budwood to accelerate mutations that would be caused by sunlight. This program has brought low-seeded mandarins to global markets.

Integrated pest management for citrus pests

LREC research is uncovering the most effective way to use pesticides against pests while allowing natural enemies to survive and support integrated pest management tactics. As pests develop new habits or when new pests such as Asian citrus psyllid arrive, study of their biology, behavior, and response to management tactics provides growers with new solutions.

Disease-free budwood for the citrus industry

LREC maintains more than 300 varieties of citrus for the Citrus Clonal Protection Program (CCPP) as orchards and screenhouse protected trees. The CCCP is one of only three in the United States. These trees provide a safe mechanism for introducing citrus varieties from other growing regions into California and nurseries with disease-tested budwood.



Lindcove

RESEARCH & EXTENSION CENTER

22963 Carson Avenue
Exeter CA 93221-9744
(559) 592-2408

Director: Beth Grafton-Cardwell
Superintendent: Kurt Schmidt
Office Manager: Anita Hunt

<http://ucanr.edu/sites/lindcove>

LREC at a glance

175 acres

Gently sloping alluvial fan terrain;
500 feet above sea level

Climate

Mediterranean

Annual Mean Precipitation: 13"

Temperatures range from the low 20s
in the winter to 100°F in the summer

Prolonged tule fog
(December-February)

Crops

Citrus, Avocado, Olive, Pomegranate

Soil series

San Joaquin sandy loam

"Lindcove REC is located in the heart of California citrus production and therefore is extremely valuable as a location for trials to evaluate new selections in comparison with existing varieties.

—Mikeal Roose, Department of Botany and Plant Sciences, UC Riverside

The Citrus Research Board provided funding for packline, fruit sizer, screenhouses, the positive pressure greenhouse and the Citrus Clonal Protection Program laboratory. Now there is a world-class state-of-the-art grading system at Lindcove."

—Ted Batkin, Former President, Citrus Research Board

Lindcove staff are very supportive of the work that I do at their facility because they understand the contribution it makes to the citrus industry in California.

—Frank J. Byrne, Department of Entomology, UC Riverside

