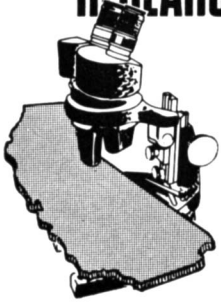


# RESEARCH PREVIEWS



A continuing program of research in many aspects of agriculture is carried on at University campuses, field stations, leased areas, and many temporary plots loaned by cooperating landowners throughout the state. Listed below are some of the projects currently under way, but on which no formal progress reports can yet be made.

## ALFALFA HYBRIDS

Cross-breeding experiments with alfalfa varieties by Davis agronomists have given some encouraging results that point toward development of hybrids with resistance to *Phytophthora*, nematodes, *Pseudopeziza*, mildew, and bacterial wilt.

## SILICONE FOR CITRUS

Foliar sprays containing iron for application to orange and lemon trees, showed a maximum increase in green effect when a silicone surfactant was added to the spray solution. Tests are continuing to determine the commercial application of the technique.

## TANOAK BASEBALL BATS?

Baseball players may refer to their bats at "tanoaks" instead of "willows" at some future date. Foresters at Berkeley have some pilot plant studies under way for the solvent drying of tanoak to be used for bats. Results to date look promising.

### CALIFORNIA AGRICULTURE

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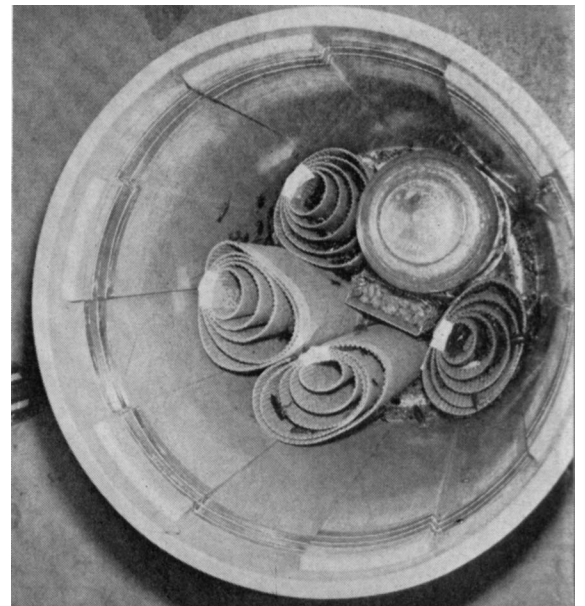
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# COCKROACH RESEARCH

*University of California, Los Angeles*

ENTOMOLOGY BUILDING at University of California, Los Angeles, located just off Veteran Avenue, has been the scene of many significant advances in insect control knowledge. Although agriculture has been almost completely transferred to other campuses, several research projects are still underway here and in the adjoining horticultural area. Recent developments have included the successful use of low-toxicity dusts, including boric acid, for control of cockroaches—and the concept of insect-proofing buildings with such materials during construction. Cockroach container, right photo, used to house insects for the experiments, is a fiberboard barrel equipped with an electrified metal ring near the top to keep the insects inside.



cedures and requirements necessary for this new fruit packing method.

## NEW PUBLICATIONS

ready for distribution

Single copies of these publications—except Manuals and books—or a catalog of Agricultural Publications may be obtained without charge from the local office of the Farm Advisor or by addressing a request to: Agricultural Publications, University Hall, University of California, Berkeley, California 94720. When ordering sale items, please enclose payment. Make checks or money orders payable to The Regents of the University of California.

TIGHT-FILL FRUIT PACKING. Cir. 548. Tight-fill packing consists of filling a container in a random manner with fruits sized to meet grade standards; settling the fruit by vibration; and tightly fastening the lid to compress the top padding upon the fruit. This circular describes the packing system and discusses all pro-

A STATISTICAL PICTURE OF CALIFORNIA'S AGRICULTURE. Cir. 459, revised. This circular presents a statistical picture of the size, importance, and diversity of California's agriculture. It compares various segments of agriculture and production centers within the state, and it compares various dimensions of the state's farming with those of eleven western states as a group and those of the United States.

COMMERCIAL BLACK EYE BEAN PRODUCTION IN CALIFORNIA. Cir. 549. Blackeye beans are one of the two leading classes of dried, edible beans in California. As a rotation crop, they leave a residue of nitrogen in the soil that is beneficial to succeeding crops. This circular discusses varieties and seed, land preparation, crop maintenance, pests and diseases, and harvesting and marketing.