

University of California
Division of Agricultural Sciences**Project Plan/Research Grant Proposal**Project Year 1986 Anticipated Duration of Project 2 yearsProject Leader Clyde L. Elmore Location DavisCooperating Personnel A.H. Lange and W. ReilProject Title Weed Control & Effects of Herbicides on Almonds.Keywords Weed Control, herbicides, almondsCommodity(s) almonds Relevant AES/CE Project No. _____**Problem and Its Significance:**

Herbicides are used for strip weed control in most almond orchards. Some orchardists use herbicides throughout the total orchard floor. Trees grown on sandy textured, low orchard matter soils frequently show symptoms of some soil applied herbicides. It is necessary to evaluate the long term effect of repeated herbicide treatments on almonds. Dr. Art Lange has established long term trials that should be continued. Also there should be trials started on young trees to evaluate new herbicides.

Objectives:

1. To maintain and continue present long term weed control studies.
2. To establish new studies using current and new herbicide treatments to evaluate tree tolerance and weed control.
3. Evaluate chemical mowing with reduced rates of postemergence herbicides.
4. To influence with pest management studies in cover crops.

Plans and Procedures:

1. Retreat current long term trials with present treatments. Evaluate growth and yield of various treatments.
2. Establish new small plot studies to evaluate new products for weed control and tree tolerance. Three tree plots for each treatment and rate will be replicated and treated annually for annual weed control. Perennials will be controlled as needed.
3. Cooperate with farm advisor to establish trials to get new herbicides evaluated and registered by the chemical companies.

BUDGET REQUEST

Budget Year 1986-87Funding Source Almond Research Board

Salaries and Benefits

Postdocs/RA's

SRA's

\$3800.00\$3800.00

Lab/Field Assistance

Subtotal

Sub 2

Employee benefits

Sub 6

TOTAL

Supplies and Expenses

Sub 3 600.00

Equipment (dBase III software pkg.)

Sub 4 400.00

Operating Expenses and Equipment Travel (Davis campus only)

Sub 5 1500.00

Travel

Sub 7

TOTAL 6300.00Department account number 440304-19900

(continued from front)

Clyde L. Elmore
Originator's SignatureDate 1/2/86

COOPERATIVE EXTENSION

County Director

Date

Program Director

Date

AGRICULTURAL EXPERIMENT
STATION

Department Chair

Date

LIAISON OFFICER

Date