

**Farm Advisor Project
1941 Addition**

*Complete Proj. by Berkeley
Ben Stahl*

Project Number
State Leader No.
County No. 112 & 114

- I. NAME OF PROJECT:** Citrus and Avocado Improvement & Land Use Planning
- II. DATE INITIATED:** January 1, 1941.
- III. STATUS OF PROJECT:** Active, and constituting the most important feature of the San Diego County Agricultural Extension Service program of work with many sub-projects or activities.
- IV. GOALS FOR 1941:**
 1. To present a broad educational program of information on cultural practices, marketing and outlook material, and the fundamentals of economics
 2. To assist representatives of the A. C. P., S. O. S., F. S. A., F. G. A. and other U. S. D. A. agencies to more easily contact large numbers of farmers
 3. To develop local committee groups who will work on citrus and avocado production and marketing problems both through developing new information and by assisting in the dissemination of available information
 4. To hold field demonstration meetings in each of the five citrus and avocado producing areas of the county on the subjects listed according to the following time schedule. A total of 42 meetings.

El Cajon - 2nd Thursday, 2:00 P. M.
Fallbrook - 2nd Friday, 2:00 P. M.
Vista - 3rd Wednesday, 2:00 P. M.
Chula Vista - 3rd Thursday, 2:00 P. M.
Escondido - 3rd Friday, 2:00 P. M.
 5. To complete organization of County Land Use Planning Committee
 6. To coordinate citrus and avocado projects and field program as far as is practical.
- V. PROGRAM:**
 1. Subject Matter - no change
 2. Extension Method - no change
 3. Calendar

WHO	WHAT	WHO
Program dates and subject matter activities as in attached leaflet #1		Assistant Farm Advisor Citrus Specialist
Throughout Year	Gather information on sub-projects Attached Leaflet #2	Assistant Farm Advisor
May	Complete organization of County Land Use Planning Committee	Assistant Farm Advisor James Dixon J. E. Brown Warren Schoonover

WHAT

WHAT

WHO

May 2, Or October

Held meetings of all
agricultural service and
educational agencies operating
in San Diego County for the
purpose of coordinating efforts
to serve San Diego County
agriculture.

Assistant Farm Advisor

A. H. S.

A. G. F.

S. G. S.

F. G. A.

F. S. A.

U. S. F. S.

S. F. L. A.

Farm Bureau

Smith Hughes Teachers

Land Use Planning Committee

Date

Director of Extension

Date

Extension Specialist

Date

Extension Specialist

Date

Extension Specialist

Date

Assistant Farm Advisor

To gather such information as is possible on a large number of miscellaneous problems and to compile such records of grower experiences as will assist in establishing a sound basis for Agricultural Extension Service recommendations on cultural and marketing questions. Examples of such tests and demonstrations are as follows:

Avocado varieties

Root stocks for avocado and citrus

Self rooted versus budded valencia and navel oranges

Use of phosphates as fertilizer

Soils most satisfactorily used for avocado

Climatic effects on avocado

Effects of the salt content of water used on avocado

Effects of a limited water use program on avocado

The value of organic matter on mulch

The loss of nitrate from organic matter used as mulch

The effects of poor subdrainage on avocado and citrus trees

The use of seedling grafts on gophered trees

Red spider control on citrus by sulphur, etc.

Brown mite control on avocado - when, etc.

The study of pruning systems now used on citrus

Where it may pay to heat orchards

Areas best suited to citrus or avocado

Pruning problems of young avocado & citrus trees

Planting distances in relation to soil, etc.

Fumigation versus oil spray in scale control on citrus

Use of poultry manure and mottle leaf

Relationship of fruit quality of avocados to tree health

Crystalization and puff on oranges and irrigation on drainage problems

Lemon blossom and decay and irrigation

Water quality and costs from wells

Planting arrangements with underhead sprinklers

No tillage and problems of pest, gophers, noxious weed and fire control

Weed control by use of oil or by water control

Use of straw, etc. in erosion control

Intercepting underground water movements

Frank Ferguson, San Diego - A. C. P.

R. E. Emerson, San Diego - Farm Security

C. P. Tedford, Vista - Soil Conservation Service

Leroy B. Smith - Agricultural Extension Service

Jean C. Miller - Agricultural Extension Service

Fuerte maturity picking problems
Use of soil amendments, sulphur, gypsum
Use of new methods in topworking citrus & avocado
Problems relating to costs - Sources of nitrogen
(Uramon), is it like sulphate in effect
Avocado tree records - strains - tree removal

These thirty-six problems, as well as many other require more information on each before present generally used recommendations may be used completely and without reservations under local conditions.

Similar lists on other commodities poultry, dairy, deciduous fruits, vegetables, etc. would call attention to the need of the development of local information along many lines.

Time limits the selection of major written projects to

- Citrus cost studies
- Avocado cost studies
- Deciduous fruit improvement
- Avocado and citrus moisture use
- Avocado and citrus insect and disease control
- Citrus and avocado pruning
- Turkey and poultry disease control
- Turkey cost study and management improvement
- Farm Bureau poultry department educational program
- Farm Bureau avocado department educational program
- Farm Bureau citrus department educational program
- Citrus and avocado improvement

The last four are organization projects using more of the campaign type of approach to teach present accepted facts rather than for the development directly of new information or the teaching by the use of field tests and demonstration plots, however many minor as well as major demonstrations and test plots are used in the program involved in the last four written projects.

No organized work is contemplated in the field of truck crops, flowers, ornamentals, rabbits or many other important San Diego County crops.

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The other major agricultural crop organized program work in San Diego County (Dairy, beef and other heavy livestock, Forage crops and Field Crops) is conducted by Assistant Farm Advisor Fred Dorman who also has charge of the 4-H Club work and assists with the many miscellaneous demands for service made on the Agricultural Extension Service.

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LAND USE PLANNING COMMITTEE

1941

J. B. Dixon, Escondido - Acting Chairman
Dean Howell, Escondido - County Board of Supervisors
H. G. Ross, Escondido - Avocado
Dr. H. Matsen, Escondido - Farm
A. H. Chamness, San Marcos - Farm
W. R. Bradbury, Del Mar - A. C. P.
R. M. Sexauer, San Diego - Poultry
Bernard C. Wohlford, Escondido - Citrus
R. E. Badger, Rancho Santa Fe
Roland Wight, Bonsall - Farm Bureau President
Edgar Boal, Chula Vista - Farm
Albert Matlack, Ramona - Turkey
George Sawday, Witch Creek - Cattle
Wm. A. Smart, Rancho Santa Fe
Albert L. Lamp, El Cajon
Hugh Good, Santee - Dairy
Charles Mull, Vista
Fred Lindley, San Diego
Aubrey Sears, El Cajon
R. R. McLean, San Diego - Co. Ag. Commissioner
Norman Farrell, San Diego - U. S. Forestry Service
Fred Pyle, San Diego - City Engineer
L. W. Deewall, San Diego - County Planning
Frank Ferguson, San Diego - A. C. P.
R. E. Emerson, San Diego - Farm Security
C. P. Tedford, Vista - Soil Conservation Service
Leroy B. Smith - Agricultural Extension Service
Jean C. Miller - Agricultural Extension Service