

Extension Fruit and Nut Program Report for Mohave County

Rob Grumbles

Workshops/Demonstrations

Five workshops were held on fruit and nut culture, propagation and nutrition.

Three workshops were held on grafting and budding on citrus, pecan and pistachio along with field demonstrations of these techniques.

Five pruning demonstrations were held around the country.

Field evaluations were conducted for diseases. Texas root rot was found in Wikieup and Mohave Valley on pecan and peach. Root rot nematode was found on almond in Kingman.

Two programs were held on irrigation techniques.

Insect Problems and Programs

Peach twig borer has been identified as a major problem on peach, plum, nectarine and almond.

Codling moth has been a problem on apple and pear.

Stink bug has been a problem on pecan and pistachio and has been identified to range from Wikieup to Littlefield.

Phermone and Delta traps have been distributed to growers in Kingman to try to get better timing or spraying along with trying to better calibrate heat units for emergence of moths for peach twig bore and codling moth. Also, educational programs were offered on how to use this technology.

Approximately 2,000 interviews with clientele were conducted, covering the topics of what varieties of citrus and deciduous to plant, evaluation of plant and insect problems, and control measures.

Farm Demonstration Evaluation of Fruit and Varieties in Mohave County

Fred Eldean, Jr.:	Farm Owner and Manager, Gold Road Farms
Rob Grumbles:	Extension Agent, Agriculture, Mohave County
Mike Kilby:	Extension Fruit and Nut Specialist, University of Arizona

Location:	Sacramento Valley, Mohave County
Elevation:	2829 feet
Date Established:	February 1985
Soil:	Sandy Loam, Pajarito and Tres Hermanos Series
Narrative:	Due to the lack of information on species and variety performance of almond, pistachio, peach, plum and apple, along with nutritional and water demands, it was felt

a demonstration orchard was needed.

<u>Species</u>	<u># Planted</u>	<u>Variety</u>	<u>Rootstock</u>
Almond	15	Texas Mission	Almond
Almond	35	Texas Mission	Nemaguard
Almond	20	Non Pareil	Almond
Almond	80	Non Pareil	Nemaguard
Almond	50	Carmel	Nemaguard
Peach	10	Flamecrest	Nemaguard
Peach	10	Flavorcrest	Nemaguard
Peach	10	Elberta	Nemaguard
Plum	30	Santa Rosa	Nemaguard
Apple	15	Granny Smith	EMLA III
Apple	15	Red Delicious	EMLA III
Pistachio	190	Peters Male-Kermin	Female/Atlantia
Pistachio	190	Peters Male-Kermin	Female/Pioneer Gold Two

Some Jolly Budwood to be introduced in the fall.

Irrigation: Drip 1 emitter per tree
 Micro Jet - 18 PSI 22 gallons per hour
 Fertilizer - UN32 .25 actual N per tree

1985 season through drip system
 Amendments chelated iron and zinc applied
 Foliar to all trees, twice during summer

Trees were planted in rows of 25 north to south in a spacing of 20 x 20 deep ripped 48 inches down tree row at planting.