

ESTABLISHING A STONE FRUIT ORCHARD
COST ANALYSIS WORK SHEET

Sample costs to establish a stone fruit orchard in Kern County. Costs are based on planting 108 trees per acre of a non-patented variety. Man labor \$1.70 per hour total and equipment operator \$1.90. Medium wheel tractor per hour cash costs \$1.30, depreciation 70¢ and interest 30¢.

	Cost per Acre			
	1st year	2nd year	3rd year	4th year
YIELD: Tons per Acre				
PRE-HARVEST CASH COSTS:				
Disc 2 times: 1 hr. man and tractor	3.20			
Mark and stake: 2½ hrs. labor	4.25			
Pegs: 108 @ 4¢	4.32			
Dig holes: 7¢	7.56			
Trees: 108 @ 90¢	97.20			
Plant & Prune: 5½ hrs. labor, tractor ½ hr.	10.10			
Replant 2nd year: 2 trees @ \$1.50		3.00		
Prune and train starting 2nd year		10.20	20.40	51.00
Furrow out 3 times each year	2.40	2.40	4.80	4.80
Fertilize: handwork 2 yrs., drop spreader 2 yrs.	5.70	6.35	11.15	13.30
Irrigate: 8 times, power \$12.00 ac. ft. labor	12.00	24.00	36.00	48.00
Spray	6.80	6.80	10.20	13.60
Disc: 3 times each year	4.05	12.45	17.45	27.95
Hoe: 1st two years, 7 hrs. labor	9.60	9.60	9.60	9.60
Taxes	11.90	11.90		
Misc. labor and materials	28.00	28.00	28.00	28.00
Repairs to equipment except tractor	4.50	4.50	4.50	4.50
Supervision by foreman	10.00	10.00	10.00	10.00
Business expense; incl. office, pick up, insurance, capital, etc.	14.00	14.00	14.00	14.00
6% of cash costs	14.14	8.59	9.97	13.49
TOTAL PRE-HARVEST CASH COSTS	249.72	151.79	176.07	238.24
HARVESTING COSTS:				
Pick and roadside				
Misc. labor and tractor work				
TOTAL HARVESTING COSTS				
TOTAL CASH COSTS	249.72	151.79	176.07	238.24
DEPRECIATION:				
Irrigation system, pump, well - cost \$350.00, 15 year life	23.33	23.33	23.33	23.33
Tractor	4.38	3.33	3.85	4.20
Buildings and equipment except tractor - cost \$120.00, 12 year life	10.00	10.00	10.00	10.00
TOTAL DEPRECIATION	37.71	36.66	37.18	37.53
INTEREST ON INVESTMENT AT 7%				
Irrigation system: ½ cost \$175.00	12.25	12.25	12.25	12.25
Tractor	1.88	1.43	1.65	1.80
Buildings & equipment except tractor ½ cost \$60.00	4.20	4.20	4.20	4.20
Land: \$1200.00	84.00	84.00	84.00	84.00
Interest on accumulated costs		27.28	49.52	75.06
TOTAL INTEREST ON INVESTMENT	102.33	129.16	151.62	177.31
TOTAL COST FOR THE YEAR	389.76	317.61	364.87	453.08
CREDIT FOR CROP VALUE				
NET COST FOR THE YEAR	389.76	317.61	364.87	453.08
TOTAL ACCUMULATED COST	389.76	707.37	1072.24	1525.32

ABOUT THESE COST DATA

The costs of production in any agricultural enterprise will vary considerably from ranch to ranch. The input and cost data in this booklet are sample costs. They are intended to be used only as educational guides in assisting you to appraise and plan your own crop and livestock program.

These cost data do not represent industry averages.

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Kern County
October 1968