

1975

PR-SV-75

PEARS
SAMPLE COST
TO
PRODUCE
IN
SOLANO COUNTY

COOPERATIVE EXTENSION
UNIVERSITY OF CALIFORNIA

PREPARED BY

JAMES E. DETAR, FARM ADVISOR
SOLANO COUNTY

AND

A. D. REED, EXTENSION ECONOMIST
L. A. HOREL, RESEARCH ASSOCIATE
UNIVERSITY OF CALIFORNIA, DAVIS

1975

SAMPLE COSTS TO PRODUCE PEARS

Solano County - 1975

Labor @ \$2.60 per hour and \$3.25 including social security, compensation, insurance & housing
Based on a 60 acre orchard - 108 trees per acre - Yield - 10 tons

Operation	Hours Per Acre	Cash and labor cost per acre				Total
		Labor	Fuel and Repairs	Materials		
				Kind and Quantity	Cost	
Cultural costs						
Prune 108 trees @ \$1.85		199.80	2.00			201.80
Brush disposal	2.0	6.50	2.90			9.40
Spray 5 times	2.5	8.12	25.75	Material	90.00	123.87
Dust 4 times	2.0	6.50	20.60	Material	13.00	40.10
Blight cutting	5.0	16.25				16.25
Fertilize	.5	1.63	.60	Nitrogen - 150 lbs. @ 25¢	37.50	39.73
Cultivate - 8 times	4.0	13.00	15.20			28.20
Irrigate - 4 times	8.0	20.80	2.50	Water - 2' @ \$8	4.00	
				Power - 2' @ \$4.65	9.30	
				Irrigation District Tax	10.50	
				Stand-by charge	14.00	61.10
Miscellaneous	2.0	5.20	3.00		6.00	14.20
TOTAL CULTURAL COSTS		277.80	72.55		184.30	534.65
Harvest Costs						
Contract 10 ton @ \$16.00					160.00	
TOTAL HARVEST COSTS						160.00
Cash overhead						
Misc., office, etc.					41.45	
Taxes					72.00	
TOTAL CASH OVERHEAD						113.45
TOTAL CASH COST		277.80	72.55		457.75	808.10
Cash cost per ton @ 10 ton yield						80.81
Management 5% of 10 tons @ \$170						85.00
INVESTMENT						
	Per Acre			Annual Cost		
				Depreciation	Interest - 8%	
Land	1400				112.00	
Trees - 15 yrs	1500			100.00	120.00	
Irrigation system 20 yrs	200			10.00	8.00	
Buildings - 20 yrs	100			5.00	4.00	
Equipment - 10 yrs	1185			118.50	47.40	
Total	4295			233.50	291.40	524.90
TOTAL COST PER ACRE						1418.00
Cost per ton @ 10 ton yield						141.80

NEW EQUIPMENT INVESTMENT FOR PEAR PRODUCTION

<u>Item</u>	<u>Cost</u>	<u>Operation cost per hour</u>
Tractor - 40 h.p. track	\$24,750	2.95
30 h.p. wheel	7,200	1.30
Bush rake	750	.15
Sprayer - 500 gallon	14,000	7.40
Disc - 9'	1,900	.85
Ladders	480	
Bags and Buckets	120	
Forklift	7,200	1.65
Pickup	4,500	
Truck	7,000	
Miscellaneous	<u>3,200</u>	
TOTAL INVESTMENT	\$71,100	
Per acre on 60 acres	\$ 1,185	

AVERAGE YIELDS, PRICES, AND GROSS INCOME For the period 1961 through 1974*

<u>YEAR</u>	<u>PEARS CANNED #1</u>	
	<u>Yield per acre</u>	<u>Value per ton</u>
	<u>TONS</u>	<u>DOLLARS</u>
1961	9.2	99.00
1962	13.2	75.00
1963	6.5	110.00
1964	12.8	90.00
1965	2.8	135.00
5 YEAR AVERAGE	<u>8.9</u>	<u>101.80</u>
1966	9.6	80.00
1967	1.2	178.00
1968	8.1	120.00
1969	7.5	92.50
1970	5.6	125.00
5 YEAR AVERAGE	<u>6.4</u>	<u>119.10</u>
1971	7.8	80.00
1972	8.4	110.00
1973	6.8	115.00
1974	5.9	165.00
4 YEAR AVERAGE	<u>7.2</u>	<u>117.50</u>
14 YEAR AVERAGE	7.5	112.46

Calculated Gross income per Acre (average yield and average price) - 843.45

*Compiled from Agriculture Crop Reports, Solano County Department of Agriculture