

SAMPLE COSTS TO PRODUCE PEARS

Sacramento County - 1974

Production Data: Yield - 20 tons per acre
 134 trees per acre -- 150 acre orchard
 Skilled Labor: \$3.25 per hour including social security and workmen's compensation insurance, and other fringe costs.
 Unskilled Labor: \$2.75 per hour including social security and workmen's compensation insurance.

Operation	Hours Per Acre	Cash and Labor Cost Per Acre				Total
		Labor	Fuel and Repairs	Materials Kind & Quantity	Cost	
<u>Cultural Costs</u>		\$	\$		\$	\$
Prune	100.0	275.00				275.00
Brush handling	4.0	12.00	4.70	(\$1.85+.50)		16.70
Spray 5x 2m	5.0	15.01	19.63	(\$1.85+\$6.00) Chemicals	60.00	94.64
Blight spray 7x	1.5	4.88	11.78	(\$1.85+\$6.00) Chemicals	30.00	46.66
Blight cutting	7.0	19.25	5.95	(\$.85)		25.20
Fertilize	.5	1.63	.80	(\$1.10+.50)	200 lbs. N+K	65.00
Chop cover crop 6x	3.0	9.75	7.05	(\$1.85+.50)		16.80
Weed control(strip)3x	.75	2.44	1.20	(\$1.10+.50) Chemicals	9.50	13.14
Irrigate(sprinkler)8x	9.25	25.44	1.00	Power for 3 $\frac{1}{2}$ ac.ft. @ \$5	17.50	43.94
Supervision @ \$4.25/hr.	6.0	25.50				25.50
Miscellaneous	2.0	6.00	2.00			8.00
TOTAL CULTURAL COSTS	139.00	\$396.00	\$54.11		\$182.00	\$ 633.01

<u>Harvest Costs</u>						
Pick \$27.50/ton (contract)		550.00				550.00
Scatter bins 3m	1.2	3.50	2.32	(\$1.10+.20+\$3.20+\$1.10+.20)		5.82
Haul 2m	2.4	7.20	5.40	(\$1.10+.20+\$3.20)		12.60
TOTAL HARVEST COSTS		\$560.70	\$ 7.72			\$568.42

<u>Cash Overhead</u>						
Misc., Office						Interest on production loans, use of pickup truck, etc. 72.10
Taxes						Land and equipment and reclamation under Williamson Act 90.00
TOTAL CASH OVERHEAD						\$162.10

TOTAL CASH COST \$1,363.53

Management 5% of 20 tons @ \$115 \$115.00

INVESTMENT	Per Acre	Annual Cost		TOTAL
		Depreciation	Interest 8%	
Land	\$1,250.00	\$	\$ \$100.00	
Trees	3,000.00	75.00	120.00	
Irrigation pipe	175.00	11.67	7.00	
Irrigation main and pump	175.00	8.75	7.00	
Equipment	411.00	39.83	16.45	
Buildings	100.00	5.00	4.00	
TOTAL	\$5,101.00	\$140.25	\$ \$254.45	\$394.70

TOTAL COST PER ACRE \$1,873.23

COST PER TON @ 20 ton yield \$93.66

The sample costs in this study are based on a typical set of conditions and include the operations of an average or better producer. Figures are not average and will vary one year to another with weather, variations in cultural practices, and prices paid and received.

Sacramento County Bartlett Pear Production For Years 1963 Through 1973

Year	1973	1972	1971	1969	1968	1967	1966	1965	1964	1963	Ave.(10 Yrs.)
Yields/Acre* (Tons)	13.8	16.7	15.1	20.3	19.4	3.8	17.7	7.0	22.5	7.4	14.37

*From Sacramento County Agricultural Commissioner Reports.

Sprinkler instead of flood irrigation costs were used since the trend is toward this method. For any individual grower, some items might be omitted, others added depending on his methods of production.

Basis of Cost Calculations

Labor

1. Skilled, which includes equipment operators and crew supervisors.
2. Unskilled, including pruners, pickers, irrigators and other labor that does not operate equipment or perform specialized tasks.

Interest

The 8% interest charge on investment is based on the assumption that this money could reasonably be expected to provide a 8% return if it were invested elsewhere.

EQUIPMENT INVESTMENT

ITEM	LIFE (YRS.)	COST
Tractor W.D. 50 H.P.	15	\$ 7,700.00
Tractor W.D. 30 H.P. (2) used	6	2,400.00
Sprayer air carrier 36" diesel	10	12,500.00
Forklift attachment (2) low lift	10	800.00
Bin carrier	12	15,000.00
Tree squirrel	15	4,000.00
Cover crop and limb shredder 9'	10	1,800.00
Nurse truck (for sprayer)	6	5,000.00
Weed sprayer, P.T.O.	10	710.00
Pickup truck 3/4 ton	10	4,000.00
Ladders (100)	15	5,100.00
Picking bags (120)	5	1,200.00
Bin trailer	10	1,500.00
EQUIPMENT INVESTMENT	PER ACRE	\$ 411.00

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