

Agricultural Briefs

SACRAMENTO COUNTY

1980 - SAMPLE COST TO PRODUCE PEARS

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, cultural practices, and prices paid and received.

Sacramento County Bartlett Pear Production for Years 1969 through 1978

Year	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	Av(10 Yrs)
Yields/Acre*	20.3	15.1	16.7	15.8	13.8	15.7	14.6	18.1	13.0	12.5	15.7

*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 Calculation

- 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 11%-interest charge on investment is based on the assumption that this money could reasonably be expected to provide an 11% return if it were invested elsewhere.

EQUIPMENT INVESTMENT

ITEM	COST
✓ 2 Tractors, 50 H.P.W.D. (1 used)	\$ 24,000
✓ 2 Tractors, 30 H.P.W.D. (used)	9,000
✓ 10 Tractors, used 15-30 HP @ \$2,000 each	20,000
✓ 12 Bin trailers @ \$1,300 each	15,600
✓ 2 Sprayer air carriers 36" diesel (1 used)	28,000
✓ 2 Forklift attachments - low-lift	1,600
✓ 1 Tree squirrel	7,000
✓ 1 Cover crop and limb shredder 9'	4,000
✓ 1 Nurse truck (for sprayer)	7,000
✓ 1 Weed sprayer, P.T.O	3,000
✓ 1 pickup truck, 3/4 ton	8,000
✓ 100 Ladders	7,000
✓ 120 Picking bags	1,500
✓ 1 Forklift	15,000
✓ 1 Duster	6,000
TOTAL INVESTMENT	\$156,700

Per Acre on 150 acres \$1,044.67

Depreciation per acre 104.47

Interest per acre @ 11% 57.46

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, Division of Agricultural Sciences,
University of California, U.S. Department of Agriculture and County of Sacramento cooperating

UC Cooperative Extension

SAMPLE COSTS TO PRODUCE PEARS
Sacramento County - February 1980

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Production Data: Yield - 20 tons per acre
134 trees per acre -- 150 acre orchard
Skilled Labor: \$6.00 per hour including fringe benefits.
Unskilled Labor: \$4.00 per hour

OPERATION	HOURS ACRE	CASH AND LABOR COST PER ACRE				TOTAL
		LABOR	FUEL & REPAIRS	MATERIALS KINDS & QUANTITY	COST	
<u>Cultural Costs</u>						
Prune - Contract	100.0	\$350.00				\$350.00
Brush Disposal	1.0	4.00	\$ 3.30			7.30
Spray 7X (2M)	5.0	60.00	34.37	Chemicals	\$82.50	176.87
Blight Spray 9X	3.0	18.00	39.10	Chemicals	24.00	81.10
Blight cutting	7.0	28.00	12.55			40.55
Fertilizer	.5	3.00	1.75	150 lbs N @ 25¢ + 400 lbs. K ₂ SO ₄ @ 8¢	69.50	74.25
Chop cover crop 6X	3.0	18.00	14.80			32.80
Weed control(strip 3X)	1.2	7.20	2.55	Chemicals	14.50	24.25
Irrigate(sprinkler 9X)	5.0	20.00	1.00	Power for 3-1/2 ac.ft. @ \$8	28.00	49.00
Supervision	6.0	36.00				36.00
Miscellaneous	2.0	8.00	4.50			12.50
Interest on operating capital, 1/2 yr @13%					57.50	57.50
TOTAL CULTURAL COSTS		\$552.20	\$113.92		\$276.00	\$942.12

Harvest Costs

Pick: 20 tons @\$25/ton	\$500.00				\$500.00
Haul	8.0	32.00			32.00
TOTAL HARVEST COST		\$532.00			\$532.00

Cash Overhead

Misc., office, etc.					\$118.20	
Taxes					35.00	
TOTAL CASH OVERHEAD					\$153.20	
TOTAL CASH COST		\$1,084.20	\$113.92		\$429.20	\$1,627.32

Management

\$ 170.00

INVESTMENT	Per Acre	Annual Cost		
		Depreciation	Interest 11%	
Land	\$3,000		\$330.00	
Trees	6,000	\$150.00	330.00	
Irrigation system	750	50.00	41.25	
Buildings	300	15.00	16.50	
Equipment	1,045	104.47	57.46	
TOTAL	\$11,095	\$319.47	\$775.21	\$1,094.68

TOTAL COST PER ACRE	@20 ton yield	\$2,892.00
	@15 ton yield	2,759.00
TOTAL COST PER TON	@20 ton yield	144.60
	@15 ton yield	183.93

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