

1972 ✓

PR-SV-72  
SAMPLE COSTS TO PRODUCE PEARS

Sacramento County - 1972

Production Data: Yield - 20 tons per acre  
134 trees per acre -- 150 acre orchard

Skilled Labor: \$2.50 per hour including social security and workmen's compensation insurance, and other fringe costs

Unskilled Labor: \$2.25 per hour including social security and workmen's compensation insurance.

Operation	Hours Per Acre	Cash and Labor Costs Per Acre				Total
		Labor	Fuel & Repairs	Materials Kind & Quantity	Cost	
<u>Cultural Costs</u>		\$	\$		\$	\$
Prune	100	225.00				225.00
Brush Shredding	4	9.25	1.80	(\$1.20/hr. tractor .60/hr. shredder)		11.05
Spray 5X 2M	5	12.50	12.63	(\$3.85/hr. sprayer \$1.20/hr. tractor)	115.00	140.13
Dust 7X	1.5	3.75	3.11	(.83/hr. tractor \$1.24/hr. duster)	15.00	21.86
Blight Cutting	7.0	15.75	3.50	(.50) (Tree Squirrel)		19.25
Fertilizer	.5	1.25	.92	200# N plus potassium	29.81	31.98
Chop Cover Crop 6X	3.0	7.50	5.40			12.90
Weed Control 4X(Strip)	1.0	2.50	1.08		9.50	13.08
Irrig. (Sprinkler) 7X	7.75	17.44	1.00	Power for 3½ ac. ft.	20.00	38.44
Miscellaneous	5	11.87	2.08		1.00	14.95
<b>TOTAL CULTURAL COSTS</b>	<b>129.75</b>	<b>\$306.69</b>	<b>\$31.52</b>		<b>\$190.31</b>	<b>\$ 528.64</b>

<u>Harvest Costs</u>	
Picking & Hauling	\$25.00 per ton \$ 500.00
<b>TOTAL HARVEST COSTS</b>	<b>\$ 500.00</b>

<u>Cash Overhead</u>	
Misc., Office, etc.	Pickup, interest on operating capital, etc. \$ 61.72
Taxes	Real estate \$75, if under the Land Conservation Act Equipment \$5.72, Buildings \$1.00 81.72
<b>TOTAL CASH OVERHEAD</b>	<b>\$ 143.44</b>
<b>TOTAL CASH COST</b>	<b>\$1,172.08</b>

Management	5% of 20 tons @ \$100	\$ 100.00
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INVESTMENT	Per Acre	Annual Cost		
		Depreciation	Interest	
Land	\$1,250.00	\$	\$ 87.50	
Trees	2,500.00	50.00	87.50	
Irrigation Pipe	125.00	12.50	4.38	
Irrigation main and pump	125.00	6.25	4.38	
Buildings	100.00	5.00	3.50	
Equipment	501.68	45.37	17.54	
<b>TOTAL</b>	<b>\$4,601.68</b>	<b>\$119.12</b>	<b>\$204.80</b>	<b>\$ 323.92</b>

<b>TOTAL COST PER ACRE</b>		<b>\$1,596.00</b>
COST PER TON @ 20 Ton Yield	UC Cooperative Extension	\$ 79.80
COST PER TON @ 15 Ton Yield		\$ 106.40

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 1962 Through 1971

Year	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	Ave.(10 Yr.)
Yields/Acre* (Tons)	16.7	15.1	20.3	19.4	3.75	17.7	7.04	22.5	7.40	20.0	14.98

\* 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, other 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 7% interest charge on investment is based on the assumption that this money could reasonably be expected to provide a 7% return if it were invested in bank loans or similar enterprises.

EQUIPMENT INVESTMENT

ITEM	LIFE (YRS.)	COST
Tractor W.D. 50 H.P. (2)	15	\$ 16,000.00
Tractor W.D. 30 H.P. (11)	15	6,000.00
Sprayer air carrier 36" (2)	10	18,400.00
Forklift attachment	10	2,000.00
Forklift attachment low lift	10	1,200.00
Bin carrier	10	10,000.00
Tree squirrel	10	3,000.00
Cover crop and limb shredder 6'	10	1,200.00
Duster	10	2,800.00
Nurse truck (for sprayer)	10	4,000.00
Weed sprayer, P.T.O.	10	850.00
Pickup truck	8	4,000.00
Ladders and picking bags	Ladders 15, bags 5	5,800.00
		<b>TOTAL \$ 72,250.00</b>

TOTAL INVESTMENT

Per acre on 150 acres	\$ 501.67
Depreciation per acre	45.37
Interest per acre	17.54

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