

CO-OPERATIVE EXTENSION WORK  
 IN  
 AGRICULTURE AND HOME ECONOMICS  
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SAMPLE COST ANALYSIS FOR PRODUCING BARTLETT PEARS IN LAKE COUNTY

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COSTS - This analysis has been prepared from a recent survey of representative pear growers. The cost figures are typical of well managed Lake County orchards under present conditions rather than average or actual. Its purpose is to aid producers in studying their own operations and management practices.

IRRIGATION - Pears can be grown on our good deep soils without irrigation but yields are lower than in irrigated orchards. In general, growers are irrigating their orchards wherever water is available. Irrigation is essential for profitable operation on the soils having factors that restrict deep root penetration, or those orchards on lighter soils.

SPRAYING - Recent years have brought further changes in pest and disease control materials and methods of application. Three applications of DDT may be necessary to provide good control of codling moth.

Multiple applications of copper dusts or dilute sprays have reduced the spread of pear blight, stop drop spray has increased yield of merchantable fruit by preventing drop.

OUTLOOK - Pears have fluctuated in price and yield during the past years, and the factors of supply and demand will continue to operate in the future. Factors such as frost and unfavorable weather likewise will continue as variables.

Bartlett pears are the leading fruit crop in Lake County, based on value, although the acreage in pears is less than in walnuts. Favorable growing conditions aid in the production of a high quality crop of fresh shipping or canning pears. During the past five years, more than 50 percent of the crop has moved into fresh market channels. During the coming years, growers should continue to follow the latest cultural practices, and thereby satisfy the higher quality requirements that consumers will be demanding.

A record yield of Bartlett pears was produced in 1958 when the crop yielded 60,411 tons from 4,082 acres. Non-producing acreage in 1961 amounted to 907 acres. It should be expected that the average yield of pears in this county will trend slightly upward during the next 5 - 10 years. Bearing acreage in 1961 is near 4,500 acres.

RELATIVE COSTS - The previous cost sheet prepared in December 1950 reflected a figure of \$40.37 cost per ton for producing Bartlett pears. The current costs as determined under present conditions indicate a rise from 1950 costs to \$66.00 for 1961

Labor costs above are figured at \$1.65 and include various charges for Social Security, Compensation, etc.

SAMPLE COSTS TO PRODUCE BARTLETT PEARS IN LAKE COUNTY

Russell H. Gripp and A. Doyle Reed

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Cash and Labor Cost Per Acre

Operation	Hrs/Acre	Labor	Fuel & Repairs	Materials and/or Service	Total
Cultural - Prune 90 trees @ \$1.10	75.0	\$99.00			\$ 99.00
Brush disposal	1.0	3.30	\$1.20		4.50
Blight inspection	5.0	8.25			8.25
Dusting 6 times	2.0	3.30	2.50	\$17.00	22.80
Spray 6 times	3.0	4.95	13.95	58.00	76.90
Cultivate 4 times	2.0	3.30	4.50		7.80
Irrigate 5 times	5.0	8.25	3.00	Power for 2½ ft. 20.00	31.25
Heating	10.0	16.50	7.40	Oil 500 gal. @ 13¢ 65.00	88.90
Misc.	12.0	20.00	4.00	3.95	27.95
<b>Total Cultural</b>		<b>\$166.85</b>	<b>\$36.55</b>	<b>\$163.95</b>	<b>\$367.35</b>
Harvest - Pick 715 bxs (42#) @ 25¢		\$178.75			\$178.75
Hauling	8.0	13.20	10.00		23.20
Supervision	9.0	14.85			14.85
<b>Total Harvest</b>		<b>\$206.80</b>	<b>\$10.00</b>		<b>\$216.80</b>
<b>Total Cash &amp; Labor Cost</b>		<b>\$373.65</b>	<b>\$46.55</b>	<b>\$163.95</b>	<b>\$584.15</b>

430.00 Annual Cost 600.00

INVESTMENT	Per Acre (60 acres)	Years Life	Depreciation	Interest	Overhead	
Land	1,000			\$60.00	Taxes	\$43.00 52.00
Buildings	42 35 } 5000	25	\$1.70	1.25	Misc.	26.10 15
Trees	2,300	50	46.00	69.00	Mgt. 5% of gross	61.30
Irrigation System	150 166	10	15.00	4.50		
Equipment	600 570	10	60.00	18.00		
<b>Total</b>	<b>4,092 4,950</b>		<b>\$122.70</b>	<b>\$152.75</b>		<b>\$130.40</b>

Equipment List	Per Hr. Chg.	Per Acre	Total Cost Per Acre
Tractor 30 hp wheel 3	3,600	\$1.00	Total Cost Per Acre \$990.00 Cost per ton @15 ton yield 66.00
40 hp track	11,500	2.00	
Pickup	2,300		20 tons
Sprayer	4,500	2.65	
Duster	300		
Disc	800		
Trailers	1,200		
Heaters		\$170.00	
Misc.	1,800	435.00	
	26,000	\$605.00	

Yield - 15 tons - 5 yr. avg. @ \$81.75 - \$1,226.25

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