

Apples - Tehachapi Area of Kern County 1967

Cost Analysis Work Sheet

Sample costs to produce apples at Tehachapi. Costs are based on a mature orchard containing 201 trees per acre, planted 12' X 18', sprinkler irrigated. Total labor costs average \$1.75 per hour. Yield is assumed to be 18 tons per acre after 10% cullage, and valued at 10¢ a pound, packed and sold in Los Angeles. No frost protection included.\*

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<b>Pre-harvest Cash Costs</b>				
Prune: -60¢ per tree	120.60			
Brush disposal	4.50			
Fertilize: materials	15.00			
application	4.50			
Spray: materials	68.00			
application	28.00			
Tillage	17.60			
Irrigate: power cost, 2½ acre feet	43.75			
labor	35.00			
Bees: 2 hives per acre	6.00			
Thin: 50¢ per tree	100.50			
Prop and tie: remove props	22.75			
Hand weeding	12.00			
Cover crop	2.75			
Taxes: inc. 47¢ irrigation district tax**	28.00			
Repairs: except tractor	30.00			
Misc. labor and materials	18.00			
Office, car, business expense	33.42			
Management	30.00			
<b>Total Pre-harvest Cash Costs</b>	<b>620.37</b>	<b>34.47</b>		
<b>Harvesting and handling Costs</b>				
Total cost to pick, pack, haul and sell: 5 3/4¢ per lb.				
<b>Total Harvesting and Handling Costs</b>	<b>2070.00</b>	<b>115.00</b>		
<b>Total Cash Costs</b>	<b>2690.37</b>	<b>149.47</b>		
<b>Depreciation</b>				
Irrigation system and well: \$340.00 20 yrs.	17.00			
Pump and panel: \$150.00 8 yrs.	18.75			
Tractor	9.60			
Buildings: other equipment \$160.00 10 yrs.	16.00			
Trees: \$3040.00 40 yrs.	76.00			
<b>Total Depreciation</b>	<b>137.35</b>	<b>7.63</b>		
<b>Interest on Investment at 7%</b>				
Irrigation system and well: ½ cost \$170.00	11.90			
Pump and panel: ½ cost \$75.00	5.25			
Tractor	4.80			
Buildings: other equipment ½ cost \$80.00	5.60			
Land: \$700.00	49.00			
Trees: ½ cost \$1520.00	106.40			
<b>Total Interest on Investment</b>	<b>182.95</b>	<b>10.16</b>		
<b>Total Cost of Production</b>	<b>3010.67</b>	<b>167.26</b>		

\* Frost protection, if needed, could add up to \$100.00 per acre for Cash and Investment Costs

\*\* Per \$100 valuation.

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Sample Costs Per Ton at Varying Yields

Yield: Packed Tons Per Acre	14	16	18	20	22	24
Cash Costs of Production Per Ton	159.31	152.15	149.47	146.02	143.20	140.85
Total Costs of Production Per Ton	182.19	172.17	167.26	162.03	157.76	154.19

Profit or Loss Per Ton at Varying Yields, Costs and Selling Prices

Yield: Packed Tons Per Acre	Sample Production Costs Per Ton	Profit or Loss Per Ton at the Following Selling Price of Apples: Cents Per Pound				
		7 Cents	8 Cents	9 Cents	10 Cents	11 Cents
14	\$182.19	-\$42.19	-\$22.19	-\$2.19	+\$17.81	+\$37.81
16	172.17	- 32.17	- 12.17	+ 7.83	+ 27.83	+ 47.83
18	167.26	- 27.26	- 7.26	+12.74	+ 32.74	+ 52.74
20	162.03	- 22.03	- 2.03	+17.97	+ 37.97	+ 57.97
22	157.76	- 17.76	+ 2.24	+22.24	+ 42.24	+ 62.24
24	154.19	- 14.19	+ 5.81	+25.81	+ 45.81	+ 65.81

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ABOUT THESE COST DATA

The costs of production in any agricultural enterprise will vary considerably from ranch to ranch. The input and cost data in this booklet are sample costs. They are intended to be used only as educational guides in assisting you to appraise and plan your own crop and livestock program.

These cost data do not represent industry averages.