

COTTON
COST ANALYSIS WORK SHEET - 1976

Sample costs to produce cotton in Fresno County. Costs are based on a field producing 1000 lbs. lint per acre. Man labor at \$2.90 per hour total, and equipment operator at \$3.50. Wheel diesel tractor per hour cash costs \$3.10, depreciation \$2.00 and interest \$1.20. Gin turnout assumed to be 31%.

	<u>Sample Costs</u>		<u>My Cost</u>	
	<u>Dollars</u> <u>Per Acre</u>	<u>Cents Per</u> <u>Lb. Lint</u>	<u>Per</u> <u>Acre</u>	<u>Per</u> <u>Lb. Lint</u>
<u>PRE-HARVEST CASH COST</u>				
Land preparation: 3 hrs. man & tractor	\$ 19.50			
Nematode control, if needed - \$35.00				
Plant: acid delinted seed - 14 lbs. @ 35¢/lb.	4.90			
½ hr. man & tractor	1.63			
Irrigate: 1 pre & 5 crop, 8 hrs. labor	23.20			
3 ac. ft. @ \$8.00/ac. ft.	24.00			
Pre-emergence herbicide, custom & ½ hr. man & tractor for discing	10.60			
Hand weeding, if needed - \$8.00 - \$18.00	10.00			
Cultivate 4 X: 2 hr. man & tractor	13.00			
Fertilize: 100 lbs. N @ 20¢ application: custom	20.00			
application: custom	3.00			
Pest control: materials application: 3 X @ \$2.50	24.00			
application: 3 X @ \$2.50	7.50			
Defoliation	8.00			
County taxes	20.25			
Misc. labor, materials, 1 hr. man & tractor	10.00			
Repairs to equipment except tractor	12.00			
<u>Office and business costs</u>	20.00			
TOTAL PRE-HARVEST COSTS	231.58	23.16		
<u>HARVEST COSTS</u>				
Picking and hauling				
85% 1st pick @ \$2.50/cwt 3 X	68.55			
15% 2nd pick @ \$3.00/cwt (\$18.00 minimum)	18.00			
Ginning, bags, ties, insurance, storage \$2.00/cwt.	64.52			
TOTAL HARVEST COST	151.07	15.11		
<u>MISCELLANEOUS COSTS</u>				
Research and promotion @ \$1.00/bale	2.00			
Pink bollworm eradication @ 50¢/bale	1.00			
In lieu tax @ 25¢/bale	0.50			
National Cotton Council - 20¢/bale	0.40			
TOTAL CASH COSTS	386.55	38.66		
<u>DEPRECIATION</u>				
Irrigation system - \$220 - 15 yrs.	14.67			
Tractor - 6 ¾ hrs. @ \$2.00	13.50			
Other equipment \$50 - 10 years	5.00			
TOTAL DEPRECIATION	33.17	3.32		
<u>INTEREST ON INVESTMENT @ 9%</u>				
Irrigation system ½ cost \$110	9.90			
Tractor: 6 ¾ hrs. @ \$1.20	7.20			
Other equipment ½ cost \$25	2.25			
Land \$800/acre	72.00			
TOTAL INTEREST ON INVESTMENT	91.35	9.14		
TOTAL COST OF PRODUCTION	511.07	51.11		
Credit for seed - 1700 lbs. @ \$110/ton	93.50	9.35		
NET COST OF PRODUCTION	417.57	41.76		

COTTON - FRESNO COUNTY - 1976

Cost Per Pound Lint at Varying Yields

Yield: Lbs. lint per acre	600	800	1000	1200	1400
Cash cost per pound lint with seed credit applied	45.94	34.05	29.30	25.14	22.34
Total cost per pound lint with seed credit applied	66.70	46.44	41.76	35.52	31.23
Total cost per pound lint without seed credit	76.05	67.73	51.11	44.87	40.58

Individual items listed in the sample costs may vary widely from field to field.

Pest control costs are highly variable depending upon the kinds of pests and the necessity of control.

Water costs may exceed \$20 per acre foot where deep wells are used as a source of irrigation water.

If sprinkler irrigation is used, repair costs, depreciation and interest on the irrigation system may be increased.

On larger farms where part or full-time supervisors are employed, the cash costs may increase by \$12 to \$18 per acre.

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