

SAMPLE COSTS TO PRODUCE CANNING TOMATOES IN KERN COUNTY  
ON RENTED LAND

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1970

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Based on a yield of 20 tons per acre, mechanically harvested. Man labor \$1.90 per hour total and equipment operator \$2.10, including Social Security and Workman's Compensation Insurance. Tractors: 80 h.p. tracklayer per hour. Cash costs \$3.20, depreciation \$1.80 and interest 72¢. 80 h.p. wheel diesel \$2.95, \$1.66, and 66¢. 50 h.p. wheel diesel tractor \$1.40, 74¢ and 30¢.

Machine harvest costs reflect statewide averages.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<u>PRE-HARVEST CASH COSTS</u>				
PLOW 1X: ½ hr. man and 80 h.p. - crawler	2.65			
Float 1X: ½ hr. man and 80 h.p. - crawler	2.65			
Landplane 1X: ½ hr. man and 80 h.p. - crawler	2.65			
Pre-irrigate: water, 6" at \$14.00 ac. ft., includes \$2.00 ac. ft. for booster pump	7.00			
Labor: \$2.38 per acre	2.38			
Disc. 1X: ½ hr. man and 80 h.p. - crawler	2.65			
List and fertilize: 90 lbs. N. at 5¢	4.50			
1 hr. man and 80 h.p. - wheel tractor	5.05			
Incorporate herbicide, fertilize and plant ¼ hr., 2 men and 50 h.p. - wheel tractor	6.75			
Fertilizer: 15 lbs. N., 22 lbs. P (50 lbs. P <sub>2</sub> O <sub>5</sub> )	8.50			
Herbicide: 3 lbs. at \$5.00 (treats ½ area)	15.00			
Seed: 1 lb. at \$12.00	12.00			
Irrigate up 3 times				
Water: 6" at \$12.00 ac. ft. incl. booster	6.00			
Labor: \$1.75 per time	5.25			
Crop Irrigations: 5X furrow method				
Water: 2 ft. at \$12.00 ac. ft. (no booster)	24.00			
Labor: 7 hrs. at \$1.90	13.30			
Cultivate 3 times				
1½ hrs. man, and 50 h.p. wheel tractor	5.25			
Thin and Weed: 15 hrs. labor at \$1.90	28.50			
Pest Control: custom, materials & application	27.00			
Misc., incl. 2 hrs. man and 50 h.p. wheel tractor	10.00			
Repairs to equipment except tractors	12.00			
Rent	60.00			
Office, car, operating capital, business costs	23.63			
Supervision	10.00			
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>296.71</b>	<b>14.84</b>		
<u>HARVESTING COSTS</u>				
Field preparation for harvest				
1/3 hr. man and wheel tractor	1.17			
*Custom harvest \$12.00 ton	240.00			
<b>TOTAL HARVESTING COSTS</b>	<b>241.17</b>	<b>12.06</b>		
<b>TOTAL CASH COSTS</b>	<b>537.88</b>	<b>26.89</b>		

\*1968 experience indicated harvesting costs ranging between \$9.00 and \$14.00 per ton, depending upon yield, size of operation and experience with mechanical harvesting.

13000  
2 = 6500

CANNING TOMATOES ON RENTED LAND (con't.)

<u>DEPRECIATION</u>				
80 h.p. tracklayer: 2 hrs. at \$1.80	3.60			
80 h.p. wheel tractor: 1 hr. at \$1.66	1.66			
50 h.p. wheel tractor: 5½ hrs. at 74¢	3.76			
Other equipment: \$90.00 for 10 years life	9.00			
<b>TOTAL DEPRECIATION</b>	<b>18.02</b>	<b>.90</b>		
<u>INTEREST ON INVESTMENT AT 7%</u>				
80 h.p. tracklayer: 2 hrs. at 72¢	1.44			
80 h.p. wheel tractor: 1 hr. at 66¢	.66			
50 h.p. wheel tractor: 5½ hrs. at 30¢	1.52			
Other equipment: ½ cost \$45.00	3.15			
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>6.77</b>	<b>.34</b>		
<b>TOTAL COSTS OF PRODUCTION</b>	<b>562.67</b>	<b>28.13</b>		

SAMPLE COSTS PER TON AT VARYING YIELDS

Yield: Tons Per Acre	15	18	21	24	27	30	33	36
Cash costs of production per ton	31.86	28.55	26.18	24.41	23.03	21.93	21.03	20.27
Total cost of production per ton	33.51	29.93	27.36	25.44	23.95	22.76	21.78	20.96

SAMPLE COSTS PER TON AT INDICATED YIELDS WITH VARYING WATER COSTS

Yield: Tons Per Acre	Total Cost per ton for canning tomatoes at the indicated water cost per acre foot					
	\$1.00	\$3.00	\$6.00	\$12.00	\$15.00	\$18.00
15	31.35	31.75	32.35	33.55	34.15	34.75
18	28.13	28.46	28.96	29.96	30.46	30.96
21	25.82	26.11	26.54	27.40	27.82	28.25
24	24.10	24.35	24.72	25.47	25.85	26.22
27	22.75	22.97	23.31	23.97	24.31	24.64
30	21.68	21.88	22.18	22.78	23.08	23.38
33	20.80	20.98	21.25	21.80	22.07	22.34
36	20.06	20.23	20.48	20.98	21.23	21.48

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