

SAMPLE COSTS TO PRODUCE MACHINE HARVEST TOMATOES IN MONTEREY COUNTY - 1978

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YIELD: 25 Tons per acre
 HARVEST: August through October
 PLANT: March through May

LABOR COSTS/HR*	HOURLY TRACTOR COSTS			
		Cash Costs	Depreciation	Interes
C1. I Tractor Driver 5.85	80 h.p. Crawler Diesel	7.71	3.81	2.29
C1. II Tractor Driver 5.72	50 h.p. Wheel Diesel	2.82	1.80	.90
Irrigator 4.84				
Other Labor 4.78				

Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contract and Materials	Total/Acre
CULTURAL						
Cover Crop & Manure						30.00
Disc & Roll 3x	C-80	0.69	3.95	6.56		10.51
Chisel 2x	C-80	1.0	5.72	8.80		14.52
Landplane 2x	C-80	0.52	2.97	5.28		8.25
List & Preplant					Contract @ \$5.00/Ac. 500# 5-17-17 @ \$45.00	50.00
Shape Beds & Roll	WD-50	0.25	1.43	0.86		2.29
Plant 3 Bed Planter	WD-50	0.50	2.95	1.98	1# Seed @ \$15.00, \$8.00 cutworm control	27.12
Herbicide					Pre-Emerg. Application @ \$12.50 Ac. Materials \$17.50 Post Emergence Application & Materials \$12.00	42.00
Irrigate 10x (Pre, 4 Sprinkler - 5 Furrow)		13.0	62.92	1.00	2.0 Ac. Ft., \$7.50/Ft. for Power, 2.00 for Booster Pump	80.92
Thin		5.5	26.29			26.29
Fertilizer 1x sidedress					Contract @ \$4.25 Ac. 100# N @ 0.30/Lb.	34.25
Pest Control 4x (incl. one fungi- cide application)					Contract @ \$6.25/Ac. Materials @ \$10.00	65.00
Cultivate 4x	WD-50	.90	5.27	3.36		8.22
Hoe & Weed 2x		10	47.80			47.80
Ethephon Growth Regulator						10.00
Miscellaneous		6.0	28.16	5.70		33.86
TOTAL CULTURAL COSTS						491.03
Overhead						
Business Costs: Office & Business Expense, etc., @ 10% of Cultural Costs						49.10
Taxes: Equipment, except Tractors						4.00
Rent						325.00
TOTAL OVERHEAD COSTS						378.10
TOTAL CULTURAL AND OVERHEAD COSTS						869.13
Harvest						
Machine @ \$12.00/Ton						300.00
Prepare for Harvesting \$1.50/Ac.						1.50
Inspection fee .22/Ton						5.50
TOTAL HARVEST COSTS						307.00
TOTAL CULTURAL OVERHEAD AND HARVEST COSTS						1,176.13

<u>ANNUAL COSTS</u>	<u>Investment</u>	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest - 8%</u>
	Buildings	50.00	2.50	2.00
	Irrigation System	90.00	9.00	3.60
	Tractors	150.00	13.19	7.45
	Equipment	100.00	10.00	4.00
	Portable Irrig. Sys.	25.00	2.50	1.00
		<u>415.00</u>	<u>37.19</u>	<u>18.05</u>
				55.24
<u>TOTAL COST PER ACRE</u>				1,231.37
<u>COST PER TON</u>				49.25

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

YIELD-TONS/ACRE	20	25	30
Cost to Grow	869.13	869.13	869.13
Harvest Costs	245.90	307.00	368.10
Annual Costs	55.24	55.24	55.24
<u>TOTAL COST/ACRE</u>	<u>1,170.27</u>	<u>1,231.37</u>	<u>1,292.87</u>
<u>Cost/Ton</u>	<u>58.51</u>	<u>49.25</u>	<u>43.09</u>

Management has not been included as a cost of production in this study. It may be as much as 5% of the farm value of the crop.

* Labor costs per hour include fringe benefits paid by the farmer. Social security, workmen's compensation, unemployment, health plan, vacation, pension plan, and paid holidays.