

SAMPLE COSTS TO PRODUCE MACHINE HARVEST TOMATOES IN MONTEREY COUNTY - 1981
By J.W. Huffman and E.A. Yeary

YIELD: 30 Tons per acre
HARVEST: August through October
PLANT: March through May

LABOR COSTS/HR¹

HOURLY TRACTOR COSTS

C1. I Tractor Driver	9.32	80 h.p. Crawler Diesel		Cash Costs	Depreciation	Interest
C1. II Tractor Driver	9.11	60 h.p. Wheel Diesel		14.51	6.33	4.75
Irrigator	8.15			6.35	2.25	1.69
Other Labor	8.02					

Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contract & Materials	Total/Acre
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CULTURAL:

Sub Soil 2x	C-80	1.24	11.30	21.63		32.93
Disc & Roll 3x	C-80	0.69	6.29	12.24		18.53
Chisel 2x	C-80	1.0	6.01	10.67		16.68
Level 2x	C-80	0.52	4.74	9.61		14.38
List & Preplant					Contract @ \$8.00/Ac. 500# 5-17-17 @ \$59.25	67.25
Shape Beds & Roll	WD-60	0.25	2.28	1.84		4.12
Plant 3 Bed Planter	WD-60	0.40	3.64	3.34	2.5# Coated Seed @ \$70.00 10.00 Cutworm Control	86.98
Herbicide					2 Contract Applications- 1- \$17.00, materials \$25 2- \$9.25, materials \$23.75	91.00
Irrigate 10x (pre, 4 Sprinkler - 5 Furrow)		13.0	105.95	5.00	2.0 Ac.Ft., \$36.00/Ft. for power, \$4.00 for Booster Pump	186.95
Thin		5.5	44.11			44.11
Fertilizer side- dress 2x					Contract @ \$7.25 Ac. 125# N @ 0.44/Lb.	69.50
Pest Control 3x (incl. 1 fungicide) application)					Contract @ \$8.25/Ac. Materials @ \$45.50	69.75
Cultivate 4x	WD-60	2.0	18.22	12.70		30.92
Hoe & Weed 2x		10.0	80.20			80.20
Ethephon Growth Regulator ²						
Miscellaneous						38.00
Int. on Oper. capital @ 17%						124.24
CULTURAL COSTS						975.54

OVERHEAD:

Business Costs: Office & Business Expense, etc., @ 8% of Cultural Costs	78.04
Taxes: Equipment, except Tractors	5.00
Rent: \$400.00/Acre	400.00
OVERHEAD COSTS	483.04
CULTURAL AND OVERHEAD COSTS	1,458.58

<u>HARVEST:</u>	
Machine @ \$12.00/Ton	360.00
Prepare for Harvesting \$2.00/Ac.	2.00
Inspection fee 0.25/Ton	7.50
HARVEST COSTS	369.50
TOTAL CULTURAL, OVERHEAD AND HARVEST COSTS	1,828.08

ANNUAL COSTS:

<u>Investment</u>	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest - 15%</u>	
Buildings	60.00	3.00	4.50	
Irrigation Syst.	300.00	30.00	22.50	
Tractors	190.00	28.03	21.04	
Equipment	<u>200.00</u>	<u>20.00</u>	<u>15.00</u>	
	750.00	81.03	63.04	
				144.07
<u>TOTAL COST PER ACRE</u>				<u>1,972.15</u>
<u>COST PER TON</u>				<u>65.73</u>

Management has not been included as a cost of production in this study.

- /1 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.
- /2 Ethephon growth regulator is applied to about 20% of the counties acreage. Application is about \$7.00 per acre and materials cost \$28.00.

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

<u>YIELD-TONS/ACRE</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>
COST TO GROW	1,458.58	1,458.58	1,458.58	1,458.58
HARVEST COSTS	308.25	369.50	430.75	492.00
ANNUAL COSTS	144.07	144.07	144.07	144.07
TOTAL COST/ACRE	<u>1,910.90</u>	<u>1,972.15</u>	<u>2,033.40</u>	<u>2,094.66</u>
COST/TON	76.44	65.73	58.10	52.37