

SAMPLE COSTS TO PRODUCE CARROTS IN MONTEREY COUNTY - 1981

By S. D. Mendivil

J

Yield: 500 54-lb. sacks per acre  
 Harvest: May - December  
 Plant: January - July

Total Labor Costs/Hr. <sup>1/</sup>	Hourly Tractor Costs				
			Cash Costs	Depreciation	Interest
Cl. I Equipment Operator	9.32				
Cl. II Equipment Operator	9.11	80 h.p. Crawler Diesel	14.51	6.33	4.75
Irrigator	8.15	60 h.p. Wheel Diesel	6.35	2.25	1.69
Other Labor	8.02				

Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contract & Materials	Total/Acre
<b>CULTURAL</b>						
Subsoil 2x	C-80	1.24	11.30	21.63		32.93
Disc & Roll 3x	C-80	0.70	6.38	12.42		18.80
Chisel 2x	C-80	0.66	6.01	10.67		16.68
Level 2x	C-80	0.52	4.74	9.61		14.35
List & Preplant Fertilizer					Contract @ \$8.00/ac, 500# 5-17-17 @ \$66.25	74.25
Shape Beds & Roll	WD-60	0.25	2.28	1.84		4.12
Plant 4 Bed Planter	WD-60	0.42	3.83	3.73	Seed: 9.25 lbs coated seed @ \$5.50/lb	58.42
Herbicide <sup>2/</sup>					Contract, preplant @ \$9.50/ac/appli. and \$18.27 materials; post- plant \$12.00/ac/appli. and \$8.20 materials	47.97
Irrigation 7x		22.61	184.27	12.00	2.5 ac.ft @ \$36.00/ac.ft \$4.00 booster pump	290.27
Fertilize 2x					200# N @ \$.44/lb. applied in water	88.00
Pest Control					Contract @\$8.25/appli., Materials \$20.00 (in- cludes fungicides)	28.25
Cultivation 2x	WD-60	0.5	4.56	3.18		7.74
Miscellaneous (includes setup & moving)		4.0	34.68	9.50		44.18

**CULTURAL AND MATERIAL COSTS** 725.96

**OVERHEAD**

Business Costs: Office and business expense @ 15% of cultural costs	108.90
Taxes: Equipment	5.00
Rent: \$400.00 per acre, 8 months to carrots	300.00

**OVERHEAD COSTS** 413.90

**HARVEST COSTS**

Machine harvest, haul, pack in poly bags containing 54 lbs of carrots. Contract rate \$0.55 per bag.	275.00
---	--------

**HARVEST COSTS** 275.00

**TOTAL CULTURAL, OVERHEAD AND HARVESTING COSTS** 1414.86

**ANNUAL COSTS**

Investment	Per Acre	Depreciation	Interest-15%
Buildings	60.00	6.00	4.50
Irrigation System	300.00	30.00	22.50
Tractors	205.00	24.63	18.49
Equipment	200.00	20.00	15.00
	765.00	80.63	60.49

Total Annual Costs: 141.12

**TOTAL COST PER ACRE** 1555.98



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

<sup>1/</sup>Labor costs per hour include fringe benefits paid by the farmer: FDI, social security, workmen's compensation, unemployment, health plan, vacation, paid holidays and pension plan.

<sup>2/</sup>For herbicide materials, rates, and application techniques, contact a pest control advisor or your local Agricultural Extension Office.

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: Bags per acre	<u>450</u>	<u>475</u>	<u>500</u>	<u>525</u>	<u>550</u>
Cultural and Overhead Costs	1139.86	1139.86	1139.86	1139.86	1139.86
Harvest Costs	247.50	261.25	275.00	288.75	302.50
Annual Costs	141.12	141.12	141.12	141.12	141.12
Total Costs Per Acre	1528.48	1542.23	1555.98	1569.73	1583.48
Cost Per Bag	3.40	3.25	3.11	2.99	2.88