

SAMPLE COSTS TO PRODUCE ARTICHOKES IN MONTEREY COUNTY - 1980
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YIELD: 7350 pounds, 250 - 25 pound cartons and 1100 pounds processing
HARVEST: September through May

LABOR COSTS/HR ^{L1}

			HOURLY TRACTOR COSTS			
			Cash Costs	Depreciation	Interest	
CL I	Equipment Operator	9.03	80 H.P. Crawler Diesel	13.00	4.89	3.67
CL II	Equipment Operator	8.70	60 H.P. Crawler Diesel	10.00	3.75	3.10
	Head Irrigator	8.24	135 H.P. Wheel Diesel	14.50	3.35	1.85
	Irrigator	7.78				
	Other Labor	7.64	60 H.P. Wheel Diesel	4.85	1.84	1.10

Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contracts and Materials	Total/Acre
CULTURAL						
Cut Tops	WD 60 I	0.4	3.62	1.94		5.56
Top Cutter	CD 80 I	0.33	2.98	4.29		7.27
Rototill	WD-60 I	1.0	9.03	4.85		13.88
Subsoil	WD-135 I	0.5	4.52	7.25		11.77
Float - 2X	CD-60 I	0.5	4.52	5.00		9.52
Irrigate 5X (sprinkler)		12.0	93.82		1.75 Ac. Ft. @ \$24.00 per acre ft. for power. \$4.00 for booster pump	139.82
Fertilize 3X 3 sidedress and 1 sprinkler appli.					Contract @ \$6.25/ac. 500# 12-12-12 @ \$55.00 and 266# N at 0.32/lb.	158.87
Insect Control 14X ^{L2} - 6X ground @ \$7.50 & 8X air @ \$3.50 per appli.					Materials \$150.00/Ac.	223.00
Stumping ^{L3}		5.5	42.02			42.02
Rodent Control 7X		17.0	129.88		Materials @ \$31.00/Ac.	160.88
Cultivate 9X	WD-60 II	4.0	34.80	19.40		54.20
Hoe & Weed		16.0	122.24			122.24
Miscellaneous (includes moving & set up)		5.0	39.26	8.27		47.53

TOTAL CULTURAL AND MATERIAL COSTS 996.56

OVERHEAD

Business Costs: Office and Business Expense @ 12% of Cultural Costs	119.59
Taxes: Equipment, except tractors	5.00
Rent: \$350.00/Acre - includes taxes	350.00
TOTAL OVERHEAD COSTS	474.59

HARVEST

Pick and Haul: 55 hours (\$15.00 for fuel and repairs added) 435.20

TOTAL HARVEST COSTS 435.20

TOTAL CULTURAL, OVERHEAD AND HARVEST COSTS 1,906.35

ANNUAL COSTS

Investment	Per Acre	Depreciation	Interest - 12%
Buildings	60.00	6.00	7.20
Irrig. System	300.00	30.00	36.00
Plants	325.00	32.50	39.00
Tractors	190.00	15.11	9.63
Equipment	150.00	15.00	18.00
	<u>1,025.00</u>	<u>98.61</u>	<u>109.83</u>

208.44

TOTAL COST PER ACRE 2,114.79

COST PER POUND @ 7350 POUNDS PER ACRE 0.29

PACKING COSTS

Artichokes: 25 lbs. @ 0.213/lb. 7.25

Packing: Central Shed @ \$1.20/ctn. 1.20

SELLING: 10% Commission @ about 0.60 0.60

COST PER CARTON 9.05

10/80

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.

- /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 Pesticides include methyl parathion, parathion, Supracide®, and Thiodan®. Zolone® and Guthion® are occasionally used.
- /3 Stumping is the removal of old productive shoots, and is undertaken to vary the productive cycle. Stumping is followed in about one third of the acreage and costs about \$90.00 per acre.

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

YIELD: Total Pounds & Carton Per Acre	<u>6725</u> <u>225</u>	<u>7350</u> <u>250</u>	<u>7975</u> <u>275</u>	<u>8600</u> <u>300</u>
PRODUCTION COSTS	1,471.15	1,471.15	1,471.15	1,471.15
HARVEST COSTS	435.20	435.20	435.20	435.20
ANNUAL COSTS	208.49	208.49	208.49	208.49
TOTAL COST PER ACRE	2,114.84	2,114.84	2,114.84	2,114.84
COST PER POUND ARTICHOKE	0.32	0.29	0.27	0.25
PACKING AND SALES COST	1.80	1.80	1.80	1.80
COST PER CARTON (25 LBS.)	9.80	9.05	8.55	8.05
