

Make Copy



COST ANALYSIS WORK SHEET

Sample Costs to Produce Spring Spinach in Monterey County - 1971

By J. W. Huffman and E. A. Yeary

Based on a yield of 10 tons per acre (1 cutting)	Hours Per Acre				Cost Per Acre	Owner Cost Per Ton
	Man Labor	80 hp. Tract.	45 hp. Tract.	Truck Pickup		
Cover Crop:						
Land preparation: Disc, chisel, etc.	3.0	3.0			17.70	
Pre-plant fertilizer and list: contract					3.75	
Shape beds and roll	0.5		0.5		2.00	
Plant: 2 men - 4 bed planter	1.0		0.5		3.10	
Irrigations: 2x (1 preplant)	4.0			0.5	9.60	
Side dress fertilizer: 2x contract @ \$3.00/Ac					6.00	
Insecticide applications: 2x contract @ \$3.00/Ac					6.00	
Cultivations: 3x (additional if recon. for 2nd cut)	1.5		1.5		6.08	
Hoe and weed:	4.5				9.90	
Misc., other work	3.0			0.5	7.40	
Total Cultural Labor and Field Power					71.53	7.15
Irrigation water: 3/4 ac ft @ \$5.00/ac ft					3.75	
Seed: 15 lb. @ .90/lb. (hybrid)					13.50	
Fertilizer materials and application 500 lb. 12-12-12 preplant, 200 lb. N side dress					51.75	
Insecticide and fungicide materials					18.00	
Total Material Cost					87.00	8.70
Total Labor, Field Power and Materials				Tenants	158.53	15.85
Business costs, office, car, operation capital, etc., 8% of above				12.00	12.00	
Taxes: 50% of \$48.00					24.00	
Taxes: Equipment, except tractors				2.00	2.00	
Repairs; except trucks and tractors				8.00	8.00	
Rent: 50% of \$130.00				65.00		
Total Cash Overhead Costs				87.00	46.00	4.60
Total Cash Costs				245.53	204.53	20.45
Investment overhead	Dollars per Acre					
Costs	Orig. Cost	Avg. Value	7% Int.	Depreciation		
Buildings for equipment	18.00	9.00	0.63	0.60		
Irrigation wells, pipeline	150.00	75.00	5.25	7.50		
Land: 50% of \$1800.00	900.00	900.00	63.00	----		
Subtotal Real Estate	618.00	534.00	68.88	8.10		
Tractors, trucks, etc.	110.00	55.00	3.85	11.00		
Tillage equip., planter, etc.	32.00	16.00	1.12	3.20		
Portable irrig. pipe, sprinklers	28.00	14.00	0.98	2.80		
Misc. small equipment	14.00	7.00	0.49	1.40		
Total Operator's Equipment	184.00	87.00	6.44	17.40		
Total invest. and depreciation	802.00	621.00	75.32	25.50	17.40	25.50
Total Cash and Depreciation Costs					262.93	230.03
Interest on Investment					6.44	75.32
Total Costs to Harvest					269.37	305.35
Harvest - Harvested by processor					---	---
Total Cost of Production tenant cost \$26.94 per ton					269.37	305.35

Labor costs per hour include Soc. Security, Workman's Comp. insurance. Equipment operator \$2.75/hr., all other labor \$2.20/hr. 45 hp. wheel tractor per hour cash costs \$1.30, depreciation 0.68¢ and interest 0.28¢, 80 hp. tracklayer per hour cash costs \$3.20, depreciation \$1.80 and interest 0.72¢, and pickup \$1.60 per hour. The number and frequency of irrigations and insecticide applications vary from year to year depending on rainfall and temperatures. The amount and number of fertilizer applications is also dependent on weather.

10 305

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

For Tenant

Yield Tons per Acre	8	9	10	11	12
Growing Costs per Acre	269.37	269.37	269.37	269.37	269.37
Cost per Ton	33.67	29.93	26.94	24.49	22.45

For Owner

Yield Tons per Acre	8	9	10	11	12
Growing Costs per Acre	305.35	305.35	305.35	305.35	305.35
Cost per Ton	38.17	33.93	30.53	27.76	25.45