

SAMPLE COSTS TO PRODUCE PROCESSING POTATOES IN MONTEREY COUNTY - 1970

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

Based on a yield 300 Cwt/Acre for processing, from a gross yield of 3300 lbs per acre	Hours per Acre				Cost per Acre	Cost per CWT
	Man Labor	80 hp Tract.	45 hp Tract.	Truck Pickup		
Cover Crop: Share of cost					4.50	
Land preparation: Disc 2x, chisel 2x, land plane	3.5	3.5			19.95	
Pre-plant fertilizer and Plant Contract					15.00	
Nematode Control: D.D.					4.50	
Weed Control: Eptam app. Contract					8.00	
Irrigations: 1 pre 6 crop-furrow	7.0				13.30	
Weed Control: Pre-digging, Contract					3.50	
Side dress fertilizer: One time; contract					3.75	
Insecticide applications: 5x Contract					15.00	
Cultivations: 4 times	2.0		2.0		7.60	
Hoe and weed	3.0				5.40	
Cut tops, hill and roll	1.1		1.0		4.00	
Misc., other work	3.0		.5	1.0	8.40	
Total Cultural Labor and Field Power					112.90	.38¢
Irrigation water: 2.5 ft. water at \$5.00 for power					12.50	
Seed: 2700 lbs., including cutting at \$5.50 per cwt					148.50	
Fertilizer materials, pre-plant, 1 side drop 4x in water					75.00	
Insecticides: \$35.00, herbicides \$8.25 - oil and Dinitro \$7.00 D.D. \$18.50					68.75	
Total Material Cost					304.75	1.01
Total Labor, Field Power and Materials				Tenants	417.65	1.39
Business costs, office, car operation capital, etc., 6% of above				25.06	25.06	
Taxes:					20.00	
Taxes: Equipment, except tractors				3.00	3.00	
Repairs (except trucks and tractors)				8.00	8.00	
Rent: \$125.00				125.00	--	
Total Cash Overhead Costs				161.06	56.06	.19
Total Cash Costs				578.71	473.71	1.58
Investment overhead	Dollars per Acre					
Costs	Orig Cost	Avg Value	7% Int	Depreciation		
Buildings for equipment	18.00	9.00	.63	.60		
Irrigation wells, pipeline	150.00	75.00	5.25	7.50		
Land: \$2000.00	2000.00	2000.00	140.00	---		
Subtotal Real Estate	2168.00	2084.00	145.88	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	.98	2.80		
Misc. small equipment	14.00	7.00	.49	1.40		
Total Operator's Equipment	184.00	92.00	6.44	18.40		
Total Invest. and Depreciation				18.40	26.50	9¢
Total Cash and Depreciation Costs				597.11	500.21	1.67
Interest on Investment				6.44	152.32	51¢
Total Costs to Harvest				603.55	652.53	2.18
Harvest .35/Cwt Harvest, .30/Cwt Grade & Pack - total .65/Cwt				195.00	195.00	.65¢
Total Cost of Production (\$2.66/Cwt for Tenant)				798.55	847.53	2.83

Labor costs per hour total; incl. Social Security and Workmen's Comp. insurance: Equipment operator \$2.50, irrigator \$1.90, hand labor \$1.80, 80 hp crawler tractor per hr cash costs \$3.20, depreciation \$1.80, interest 72¢. 45 hp. wheel tractor \$1.30, 68¢ and 28¢. Sprinkler booster pump costs \$2.00 per acre-ft. of water.

SAMPLE COSTS OF PRODUCTION AT VARYING FIELDS FOR TENANTS

Yield, CWT/Acre	250	300	350	400
TOTAL Cost of Production/AC	815.03	847.53	880.03	912.53
TOTAL Costs per CWT	3.26	2.66	2.51	2.28