

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

Based on a yield of 3 tons per acre	Hours per Acre				Cost per Acre	Cost per Ton
	Man Labor	80 hp Tract.	45 hp. Tract.	Truck Pickup		
Land preparation	3.0	3.0			17.70	
Pre-plant fertilizer and list: Contract @ 3.75/A					3.75	
Shape beds and roll	0.5		0.5		2.00	
Plant: 4 bed planter	0.5		0.5		1.98	
Irrigations: 6 x - 2 sprinkler, 4 furrow	12.0			1.0	22.00	
Thin	20.0				44.00	
Sidedress fertilizer: 2 x contract @ 3.00/A					6.00	
Herbicides 2 x - 1 pre & 1 post application @ 3.00/application					6.00	
Insecticide applications: 3 x contract @ 3.00/A					9.00	
Cultivations: 5 x	2.5		2.5		10.13	
Hoe and weed	8.0				17.60	
Misc., other work	3.0		0.5	1.0	9.60	
Total cultural labor and field power					149.76	49.92
Irrigation water: 2.5 A ft @ 5.00 for power plus 1.00 for booster					13.50	
Seed: 1.2 lbs @ 3" spacing @ 7.50/lb (includes \$1.00/lb for sizing)					9.00	
Fertilizer materials: 400 lb 14-14-7 preplant 240 lb N sidedressed					50.00	
Insecticide 21.00/A and herbicides 24.00/A					45.00	
Total material cost					117.50	39.17
Total labor, field power and materials				Tenants	267.26	89.09
Business costs, office, car operation capital, etc., 8% of above					19.15	
Taxes: real estate and improvement 50% to broccoli					24.00	
Taxes: Equipment, except tractors				3.00	3.00	
Repairs: except trucks and tractors				8.00	8.00	
Rent: 130.00/A 50% to broccoli				65.00		
Total cash overhead costs				76.00	54.15	18.05
Total cash costs				343.26	321.41	107.14
Investment overhead	Dollars per Acre					
Costs based on 2000 crop acres	Orig. Cost	Avg. Value	7% Int.	Depre- ciation		
Buildings for equipment	18.00	9.00	.63	.60		
Irrigation wells, pipeline	150.00	75.00	5.25	7.50		
Land: 50% of 2000.00 value	1000.00	1000.00	70.00	----		
Subtotal real estate	1068.00	984.00	75.88	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			82.32	26.50	18.40	26.50
Total cash and depreciation costs					361.66	347.91
Interest on investment					6.44	82.32
Total costs up to harvest \$122.70 per ton for tenant					368.10	430.23
						143.41

Labor costs per hour include Soc. Security and Workmen's Compensation Insurance: Equipment Operator \$2.75 per hour, all other field labor \$2.20 per hour, 80 hp crawler tractor per hour cash costs \$3.20, depreciation \$1.80 interest 72¢. 45 hp wheel tractor \$1.30, 68¢, and 28¢. Light truck \$2.00 per hour cash costs and pickup \$1.60 for light work, sprinkler booster pump costs \$2.00 per acre foot of water.

Sample Costs of Production at Varying Yields

OWNER

Yield: Tons Per Acre	2.5	3.0	3.5	4.0
Total Growing Costs Per Acre	430.23	430.23	430.23	430.23
Total Cost Per Ton	172.09	143.41	122.92	107.56

TENANT

Yield: Tons Per Acre	2.5	3.0	3.5	4.0
Total Growing Costs Per Acre	368.10	368.10	368.10	368.10
Total Cost Per Ton	147.24	122.70	105.17	92.03

Thinning Costs

If the soil is relatively weed free, herbicides applied properly and a careful seed spacing obtained, thinning and weeding cost can be substantially reduced.