

COST ANALYSIS WORK SHEET - WATERMELONS - FRESNO COUNTY - 1972
 BASED ON A YIELD OF 12 TONS PER ACRE

Man labor at \$2.30 per hour total and equipment operator \$2.60. 40 h.p. crawler track-layer per hour cash costs \$2.10, depreciation \$1.08, and interest 81¢. 30 h.p. wheel tractor diesel \$1.00, 97¢ and 49¢.

Donald May, Farm Advisor, Fresno County

Edward A. Yeary, Farm Advisor-Statewide

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
Pre-Harvest Cash Costs:				
Plow, subsoil, disc 2 times harrow 2 times 4 hrs. man and tracklayer		\$ 18.80		
Plant: machine - 3 men and wheel tractor ½ hr. per acre		4.10		
Seed: 3 lbs. at \$1.50		4.50		
Hoe, thin, weed, replant: 8 man hrs.		18.40		
Cultivate 4 times: total 2 hrs. man & wheel tractor		7.20		
Fertilize: material - 500 lbs. at \$80/ton		20.00		
Application: ½ hr. man & wheel tractor		1.80		
Ditch for irrigation: 1/3 hr. man & tracklayer		1.56		
Irrigate 12 times: 12 hrs. + 2 hrs. building retaining dams; total 14 hrs.		32.20		
Water: power for 2½ acre feet at \$10		25.00		
Turn runners 4 times: total 2 man hr.		4.60		
Dusting: 1 time; hand, 1 man hr. 2 times; plane 70 lbs. at 5¢		5.80		
Material: 90 lbs. at 14¢		12.60		
Culling out: 2 man hrs.		4.60		
Misc. 2 man hrs. 1 wheel tractor hr., materials		8.50		
County taxes on equipment except tractors		1.10		
Repairs to equipment except tractors		2.00		
Rent		80.00		
Office, car, operating capital, insurance, etc.		27.40		
TOTAL PRE-HARVEST CASH COSTS		\$280.16		\$23.24
Harvesting Costs:				
Contract \$17/ton		\$204.00		
TOTAL HARVESTING COSTS		\$204.00		\$17.00
TOTAL CASH COSTS		\$484.16		\$40.34
Depreciation:				
40 h.p. tracklayer: 4 1/3 hrs. at \$1.10		\$ 4.67		
30 h.p. wheel tractor: 4 hrs. at 40¢		3.88		
Equipment: cost \$60 - 10 year life		6.00		
TOTAL DEPRECIATION		\$ 14.55		\$ 1.21
Interest on Investment at 7%:				
40 h.p. tracklayer: 4 1/3 hrs. at 50¢		\$ 3.50		
30 h.p. wheel tractor: 4 hrs. at 20¢		1.96		
Equipment: ½ cost \$30		2.10		
TOTAL INTEREST ON INVESTMENT		\$ 7.56		\$.63
TOTAL COST OF PRODUCTION		\$524.87		\$43.73

Sample Costs per ton at Varying Yields

Yield:						
Tons per acre	8	10	12	14	16	18
Cash Costs per ton	52.02	45.01	40.34	37.01	34.51	32.56
Total cost of Production per ton	54.78	47.22	43.73	38.59	35.89	33.79

Watermelon - 1972
Fresno County

SAMPLE COSTS PER TON AT THE INDICATED
YIELDS WITH VARYING WATER COSTS

Yield: Tons Per Acre	Total Costs/ton at the Indicated Water Costs/Acre Foot					
	\$ 1.00	\$ 3.00	\$ 6.00	\$12.00	\$15.00	\$18.00
8	51.97	52.59	53.53	55.40	56.34	57.28
10	44.97	45.47	46.22	47.72	48.47	49.22
12	41.86	42.28	42.90	44.15	44.78	45.40
14	36.98	37.34	37.87	38.94	39.48	40.01
16	34.48	34.79	35.26	36.20	36.67	37.14
18	32.54	32.82	33.23	34.07	34.48	34.90

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