

CANTALOUPE

Cost Analysis Work Sheet - 1983

Fresno County

Sample costs to produce cantaloupes in the Southern San Joaquin Valley. Based on a yield of 450-40# packed cartons per acre. Field labor @ \$5.50 per hour total, equipment operator \$6.50 including Social Security and Workman's Compensation Insurance, 150 h.p. crawler tractor per hour cash costs \$25.60, depreciation \$5.00, and interest \$4.50. 150 n.p. 4-wheel diesel \$23.00, \$4.00, and \$2.40. 80 h.p. wheel diesel \$12.80, \$2.16, and \$1.30. 50 h.p. wheel diesel \$7.96, \$1.94, and \$1.16.

	Sample Costs		My Costs	
	Per Acre	Per Carton	Per Acre	Per Carton
PRE-HARVEST CASH COST:				
Subsoil: 1/2 hr. 15 h.p. crawler	\$ 16.05	\$		
Plow or disc: 2X over, 1 hr. 150 n.p. crawler	32.10			
Landplane or float 2X: 1/2 hr. 150 h.p. crawler	16.05			
Bed preparation and fertilize: 3 hr., 150 4-WD	8.85			
250 lbs. material @ \$230/ton	28.75			
Pre-irrigate: water 8" @ \$20/ac. ft. plus \$2/ac. ft. for booster pump (diesel)	14.66			
Labor: set up and move sprinkler	6.00			
Seed bed preparation: 1/4 hr. 150 h.p. 4-WD	7.38			
Plant: .2 hr. 2 man and 80 h.p. wheel tractor	4.96			
Seed: 3 lbs. @ \$5.00	15.00			
Fertilize and cultivate: .2 hr. 80 h.p. wheel tractor	3.86			
100 lbs. N @ 22¢	22.00			
Irrigate: water 6" @ \$20/ac. ft.	10.00			
Labor	3.66			
Thin and weed	24.50			
Herbicide: materials & application	8.50			
Cultivate: .2 hrs. 80 h.p. wheel tractor	3.86			
Furrow and bed up: .2 hrs., 150 h.p. 4-WD	5.90			
Irrigate 4X: furrow; total 16" water @ \$20/ac. ft.	26.67			
Labor: 4.5 hrs. @ \$5.50	24.75			
Hand weed	36.60			
Pest Control: materials	25.00			
application	8.00			
Bees: 1 1/2 hives @ \$13.00 price for 1 of 2X used	19.50			
Misc. 2 man hrs., 1/2 hr. 50 h.p. wheel tractor and materials	15.00			
Repairs, except tractors	20.00			
Office, car, operating capital, business expenses	180.54			
Rent	120.00			
Supervision	18.00			
TOTAL PRE-HARVEST CASH COSTS	\$ 726.14	\$1.61		
Harvesting Costs:				
Harvest, pack & sell: 400 cartons @ \$3.25/carton				
Pick - \$.85/carton				
Haul - \$.30/carton				
Packing & selling - \$2.10/carton	\$1462.50			
TOTAL HARVESTING COSTS	\$1462.50	\$3.25		
TOTAL CASH COSTS	\$2188.64	\$4.86		

Depreciation:		
50 h.p. wheel diesel, 1/2 hr. @ \$1.94	\$.97
80 h.p. wheel diesel, .6 hr. @ \$2.16		1.30
150 h.p. crawler, 2 hrs. @ \$5.00		10.00
150 h.p. 4-wheel drive, .75 hrs. @ \$4.00		3.00
Other equipment, including share of portable irrigation equipment. \$180 cost, 10 yr. life		18.00
TOTAL DEPRECIATION	\$	33.27 \$.07
Interest on investment @ 12%:		
50 h.p. wheel diesel, 1/2 hr. @ \$1.16	\$.58
80 h.p. wheel diesel, .6 hr. @ \$1.30		.78
150 h.p. crawler, 2 hrs. @ \$4.50		9.00
150 h.p., 4-wheel drive, .75 hrs. @ \$2.40		1.80
Other equipment, including share of portable irrigation equipment, 1/2 cost \$90		10.80
TOTAL INTEREST ON INVESTMENT (tenant)	\$	22.96 \$.05
TOTAL COST OF PRODUCTION	\$	2244.87 \$4.98

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: packed carton per acre	300	400	500	600	700
Cash cost per carton:	\$5.79	\$5.16	\$4.77	\$4.52	\$4.34
Total cost per carton:	\$5.98	\$5.30	\$4.89	\$4.61	\$4.42

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