



CANTALOUPE -1970

Cost Analysis Work Sheet

Sample costs to produce cantaloupes in Fresno County. Based on a yield of 200 packed crates per acre. Man labor at \$1.90 per hour total and equipment operator \$2.10, including Social Security and Workman's Compensation Insurance. Tractors and cash operating costs per hour are: 80 h.p. tracklayer \$3.20, 80 h.p. wheel diesel \$2.95, and 50 h.p. wheel diesel \$1.40.

	Sample Costs		My Costs	
	Per Acre	Per Crate	Per Acre	Per Crate
<u>Pre-Harvest Cash Costs</u>				
Subsoil: ½ hr. 80 h.p. - crawler	2.65			
Plow or disc: 2X over; 1 hr. 80 h.p. - crawler	5.30			
Landplane or float 2X: ½ hr. 80 h.p. - crawler	2.65			
Bed preparation and fertilize: 1/3 hr. 80 h.p. wheel tractor	1.68			
250 lbs. 8-24-0 at 4 3/4¢ lb.	11.88			
Pre-irrigate: Water 8" at \$12.00 ac. ft. includes \$2.00 ac. ft. for booster pump.	8.00			
Labor: Set up and move sprinklers	2.38			
Seedbed preparation: 1/4 hr. 80 h.p. - wheel tractor	1.26			
Plant: .2 hr. 2 men and 80 h.p. wheel tractor	1.39			
Seed: 3 lbs. at \$1.50	4.50			
Fertilize and Cultivate: .2 hr 80 h.p. wheel tractor	1.01			
150 lbs. NH ₃ at 4¢	6.00			
Irrigate: water 6" at \$12.00 ac. includes \$2.00 ac. ft. for booster labor	6.00			
Thin and weed: 9 hrs. labor	17.10			
Cultivate: .2 hr. 80 h.p. - wheel tractor	1.01			
Irrigate: water 3" at \$12.00 ac. ft. inc. booster labor	3.00			
Furrow and bed up: .2 hr. 80 h.p. - wheel tractor	1.01			
Irrigate 3X: furrow; total 9" water at \$10.00 ac. ft. labor: 4.5 hrs. at \$1.90	7.50			
	8.55			
Pest Control: materials	10.00			
application	4.00			
Bees: 1 hive	5.50			
Misc. 2 man hrs. ½ 50 h.p. - wheel tractor hour and materials	5.80			
Repairs, except tractors	8.00			
Office, car, operating capital, business expenses	18.00			
Rent: \$60.00	60.00			
Supervision	10.00			
<u>Total Pre-Harvest Cash Costs</u>	<u>217.67</u>	<u>1.09</u>		
<u>Harvesting Costs</u>				
Pick: 200 crates (packed basis) 60¢	120.00			
Haul to shed; 200 crates (packed basis) 20¢	40.00			
<u>Total Harvesting Costs</u>	<u>160.00</u>	<u>.80</u>		
<u>Total Cash Costs</u>	<u>377.67</u>	<u>1.89</u>		

CANTALOUPEs - Con't.

Depreciation

80 h.p. tracklayer: 2 hrs. at \$1.80	3.60	
80 h.p. wheel tractor: 1.4 hrs. at \$1.66	2.33	
50 h.p. wheel tractor: 1 hr. at 74c	.74	
Other equipment; including share of portable irrigation equipment; \$90.00 cost, 10 yr. life	9.00	
Total Depreciation (tenant)	15.67	.08

Interest on Investment at 7%

80 h.p. tracklayer: 2 hrs. at 72c	1.44	
80 h.p. wheel tractor: 1.4 hrs. at 66c	.95	
50 h.p. wheel tractor: 1 hr. at 30c	.30	
Other equipment, including share of portable irrigation equipment: 1/2 cost \$45.00	3.15	
Total Interest on Investment (tenant)	5.84	.03

Total Cost of Production: to Shed	399.18	2.00
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Packing Costs

Labor		.64
Boxes and labels		.94
Supplies, repairs, administrative costs		.39

Total Packing Costs		1.97
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Total F.O.B. Costs, Excluding Commission		3.97
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SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: packed crates per acre	150	200	250	300	350
Cash cost per crate: delivered to shed	\$2.25	\$1.89	\$1.67	\$1.52	\$1.42
Total cost per crate: delivered to shed	2.39	2.00	1.76	1.60	1.48
Total F.O.B. Cost Per Crate	4.36	3.97	3.73	3.57	3.45

SAMPLE COSTS PER CRATE AT INDICATED YIELDS WITH VARYING WATER COSTS

Yield: Packed Crates Per Acre	Total F.O.B. costs per crate at the indicated yeilds and water costs per acre foot.					
	\$1.00	\$3.00	\$6.00	\$12.00	\$15.00	\$18.00
150	\$4.23	\$4.26	\$4.31	\$4.39	\$4.44	\$4.48
200	3.87	3.89	3.92	3.99	4.02	4.05
250	3.65	3.67	3.69	3.74	3.77	3.80
300	3.50	3.52	3.54	3.58	3.60	3.63
350	3.40	3.41	3.43	3.47	3.49	3.50