

SAMPLE COSTS TO PRODUCE CANTALOUPE IN KERN COUNTY

David N. Wright,
Farm Advisor, Kern County

1970

Edward A. Yeary,
Farm Advisor, State-wide

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
PRE-HARVEST CASH COSTS				
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 prep. & fertilize: 1/3 hr. 80 h.p. wheel trac. 250 lbs. 8-24-0 at 4-3/4¢ lb.	11.88			
Pre-irrigate: Water 8" at \$14.00 ac. ft. includes \$2.00 ac. ft. for booster pump	9.33			
Labor: set up and move sprinklers	2.38			
Seed bed preparation: ¼ hr. 80 h.p. wheel trac.	1.26			
Plant: .2 hr. 2 men and 80 h.p. wheel trac.	1.39			
Seed: 3 lbs. at \$1.50	4.50			
Fertilize & cultivate: .2 hr. 80 h.p. wheel trac. 150 lbs. NH ₃ at 4¢	6.00			
Irrigate: water 6" at \$14.00 ac. ft. includes \$2.00 ac. ft. for booster	7.00			
Labor	1.75			
Thin and weed: 9 hrs. labor	17.10			
Cultivate: .2 hr. 80 h.p. wheel tractor	1.01			
Irrigate: water 3" at \$14.00 ac. ft. incl. booster	3.50			
Labor	1.75			
Furrow and bed up: .2 hr. 80 h.p. wheel trac.	1.01			
Irrigate 3X: furrow; total 9" water at \$12.00 ac. ft. Labor: 4.5 hrs. at \$1.90	8.55			
Pest control: materials	10.00			
Application	4.00			
Bees: 1 hive	5.50			
Misc. 2 man hrs. ½ 50 h.p. wheel trac. hr. and materials	5.80			
Repairs, except tractors	8.00			
Office, car, operating capital, business expenses	18.30			
Rent: \$60.00	60.00			
Supervision	10.00			
TOTAL PRE-HARVEST CASH COSTS	222.30	1.11		
HARVESTING COSTS				
Pick: 200 crates (packed basis) 60¢	120.00			
Haul to shed: 200 crates (packed basis) 20¢	40.00			
TOTAL HARVESTING COSTS	160.00	.80		
TOTAL CASH COSTS	382.30	1.91		
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 74¢	.74			
Other equipment: including share portable irri- gation equipment: \$90.00 cost, 10 year life	9.00			
TOTAL DEPRECIATION (tenant)	15.67	.08		

CANTALOUPE (con't.)

INTEREST ON INVESTMENT AT 7%			
80 h.p. tracklayer: 2 hrs. at 72¢	1.44		
80 h.p. wheel tractor: 1.4 hrs. at 66¢	.95		
50 h.p. wheel tractor: 1 hr. at 30¢	.30		
Other equipment: including share of portable irrigation equipment: ½ cost \$45.00	3.15		
TOTAL INTEREST ON INVESTMENT (tenant)	5.84	.03	
TOTAL COST OF PRODUCTION: to shed	403.81	2.02	
PACKING COSTS			
Labor		.64	
Boxes and labels		.94	
Supplies, repairs, administrative costs		.39	
TOTAL PACKING COSTS		1.97	
TOTAL F.O.B. COSTS, EXCLUDING COMMISSION		3.99	

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

Yield: Packed Crates Per Acre	150	200	250	300	350
Cash cost per crate: delivered to shed	2.28	1.91	1.69	1.54	1.44
Total cost per crate: delivered to shed	2.42	2.02	1.78	1.61	1.50
Total F.O.B. cost per crate	4.39	3.99	3.75	3.58	3.47

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 yields 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

University of California
 Farm & Home Advisors Office
 2610 'M' Street
 Bakersfield, California
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