

COST ANALYSIS WORK SHEET - ONIONS - FRESNO COUNTY - 1983

Based on a yield of 25 tons per acre of fresh market onions or 20 tons per acre for processing, sold in the windrow with the buyer paying harvesting costs. Field labor @ \$5.50 per hour total, equipment operator \$6.50 including Social Security and Workman's Compensation Insurance. 150 h.p. crawler per hour cash costs \$25.60, depreciation \$5.00, interest \$4.50. 150 h.p. 4-wheel drive 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 Ton	Per Acre	Per Ton
Pre-Harvest Cash Costs:				
Disc 2X: 1 hr. crawler tractor + driver	\$32.10			
Chisel 2X: 1 hr. crawler tractor	32.10			
Landplane 2X: 1 hr. crawler tractor	32.10			
List and fertilize				
1 Hr. 150 4-w.d.	29.50			
material and application	137.00			
Shape beds: plant				
1/3 hr./A 2 men and 80 h.p. wheel tractor	8.27			
*Seed: 3 lbs. furnished by buyer	--			
Herbicide + application	54.50			
Irrigate 2X: sprinkler				
6" water @ \$22.00 including booster	11.00			
Labor	3.66			
Cultivate 2X, Fertilize 1X				
1 hr. 80 h.p. wheel tractor + driver	19.30			
120 lbs. N @ 18¢	21.60			
Chemical weed control; custom	25.00			
**Irrigate 8X, furrow				
8 hrs. labor	44.00			
2' water at \$20.00	40.00			
60# N @ 18¢/lb. in irrigation water	10.80			
Hand weeding: 5 hrs.	27.50			
Herbicide plus application	54.50			
Misc. labor, materials, 1 hr. 50 h.p. wheel tractor	22.00			
Repairs to equipment, except tractors	18.00			
Rent: 12 months basis	125.00			
Supervision	18.00			
Office, car, operating capital, business costs, etc.	68.93			
TOTAL PRE-HARVEST CASH COSTS	834.86	33.39		
Harvesting Costs:				
Paid by Buyer				
TOTAL CASH COSTS	834.86	33.39		
Depreciation:				
150 h.p. crawler: 3 hrs. @ \$5.00	15.00			
150 h.p. 4-w.d.: 1 hr. @ \$4.00	4.00			
80 h.p. w.d. 1 1/3 hr. @ \$2.16	2.88			
50 h.p. w.d.: 1 hr. @ \$1.94	1.94			
Other equipment: \$180 - 10 yrs. life	18.00			
TOTAL DEPRECIATION (tenant)	41.82	1.68		

* Furnished by buyer for processing onions.

** Dehydrator onions require about 8 more crop irrigations and 2 more acre feet of water than fresh market onions.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
Interest on Investment @ 12%:				
150 h.p. crawler: 3 hrs. @ \$4.50	\$	13.50		
150 h.p. 4-w.d.: 1 hr. @ \$2.40		2.40		
80 h.p. w.d.: 1 1/3 hrs. @ \$1.30		1.73		
50 h.p. w.d.: 1 hr. @ \$1.16		1.16		
Other equipment: 1/2 cost, \$90		10.80		
TOTAL INTEREST ON INVESTMENT		29.59	1.18	
TOTAL COST OF PRODUCTION (tenant)		906.27	36.25	

SAMPLE COSTS PER TON AT VARYING YIELDS (tenant)

Yield tons/acre	16	18	20	22	24	26	28	30
Cash costs per ton	52.18	46.38	41.74	37.95	34.79	32.11	29.82	27.83
Total costs per ton (tenant)	56.64	50.35	45.31	41.19	37.76	34.86	32.37	30.21

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