

1972

COST ANALYSIS WORK SHEET - ONIONS - FRESNO COUNTY

BASED ON A YIELD OF 25 TONS PER ACRE OF FRESH MARKET ONIONS,  
SOLD IN THE WINDROW WITH THE BUYER PAYING HARVESTING COSTS

Man labor at \$2.30 per hour total and equipment operator \$2.60, including Social Security and Workman's Compensation Insurance. 80 h.p. crawler tractor per hour cash costs \$4.70, depreciation \$2.00 and interest \$1.50. 50 h.p. wheel tractor \$1.60, \$1.15, and 60¢. Onions are planted in the early spring. Sample costs to produce dry onions by direct seeding.

Donald M. May, Farm Advisor, Fresno County

Edward A. Yearly, Farm Advisor-Statewide

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<u>Pre-Harvest Cash Costs:</u>				
Disc 2X: 1 hr. crawler tractor + driver	\$ 7.30			
Chisel 2X: 1 hr. crawler tractor	7.30			
Landplane 2X: 1 hr. crawler tractor	7.30			
List and fertilize				
1 hr. wheel tractor	4.20			
400 lbs. material at \$80/ton	16.00			
Pre-irrigate - (sprinkler)				
6" water at \$12.00 ft. inc. booster	7.00			
labor	3.04			
Shape beds: plant				
1/3 hr./A. *2 men and wheel tractor	2.17			
Seed: 3 lbs. at \$4.50	13.50			
herbicide + application	12.00			
Irrigate 2X, sprinkler				
6" water at \$12.00 inc. booster	7.00			
labor	2.12			
Cultivate 2X, fertilize 1X				
1 hr. wheel tractor + driver	4.20			
120 lbs. N at 10¢	12.00			
Chemical weed control; custom	15.00			
Irrigate 8 times, furrow.				
10 hrs. labor	23.00			
2' water at \$10.00	20.00			
Pest Control: materials and application, custom	5.00			
Hand weeding: 7 hrs.	16.10			
Lift onions: 1/2 hr. wheel tractor + driver	2.10			
Windrow onions: 20 hrs. labor	46.00			
Misc. labor, materials, 1 hr. wheel tractor	7.25			
Repairs to equipment except tractors	10.00			
Rent: 12 months basis	60.00			
Supervision	10.00			
Office, car, operating capital, business costs, etc.	19.17			
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$338.75</b>	<b>\$13.55</b>		
<u>Harvest Costs:</u>				
Paid by Buyer				
<b>TOTAL CASH COSTS (tenant)</b>	<b>\$338.75</b>	<b>\$13.55</b>		

\* one man - equipment operator  
one man - man labor

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Depreciation:

80 h.p. - crawler: 3 hrs. at \$1.80	\$ 6.00	
50 h.p. wheel tractor: 4 3/4 hrs. at 74¢	5.46	
Other equipment: \$90.00 - 10 yrs. life	9.00	
<b>TOTAL DEPRECIATION (tenant)</b>	<b>\$ 20.46</b>	<b>\$ .82</b>
<u>Interest on Investment at 7%:</u>		
80 h.p. crawler: 3 hrs. at 72¢	\$ 4.50	
50 h.p. wheel tractor: 4 3/4 hrs. at 30¢	2.85	
Other equipment: 1/2 cost \$45.00	3.15	
<b>TOTAL INTEREST ON INVESTMENT (tenant)</b>	<b>\$ 10.50</b>	<b>\$ .42</b>
<b>TOTAL COST OF PRODUCTION (tenant)</b>	<b>\$369.71</b>	<b>\$14.79</b>

Sample Costs per ton at Varying Yields (tenant)

<u>Yield:</u>							
Tons per acre	18	20	22	24	26	28	30
Cash Costs							
per ton	18.82	16.94	15.40	14.11	13.03	12.10	11.29
Total Costs							
per ton (tenant)	20.54	18.49	16.81	15.40	14.22	13.20	12.32

Sample Tenants Cost per ton at the Indicated Yields  
with Varying Water Costs

<u>Yields:</u>	<u>Total costs per ton at indicated water cost per acre foot</u>					
Tons Per Acre	\$ 1.00	\$ 3.00	\$ 6.00	\$12.00	\$15.00	\$18.00
18	20.54	20.87	21.37	22.37	22.87	23.37
20	18.49	18.79	19.24	20.14	20.59	21.04
22	16.81	17.08	17.49	18.31	18.71	19.12
24	15.40	15.65	16.03	16.78	17.15	17.53
26	14.22	14.45	14.80	15.49	15.84	16.18
28	13.20	13.42	13.74	14.38	14.70	15.03
30	12.32	12.52	12.82	13.42	13.72	14.02

Farm and Home Advisors  
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