

ONIONS

Cost Analysis Work Sheet

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Sample costs to produce dry onions by direct seeding in Fresno County. Based on a yield of 18 tons per acre, sold in the windrow with the buyer paying harvesting costs. Man labor at \$1.90 per hour total and equipment operator \$2.10, including Social Security and Workmen's Compensation insurance. 80 hp. crawler tractor per hour cash costs \$3.20, depreciation \$1.80 and interest 72¢. 50 hp. wheel tractor \$1.40, 74¢ and 30¢. Onions are planted in the early spring.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<u>Pre-Harvest Cash Costs</u>				
Disc 2X: 1 hr. crawler tractor		5.30		
Chisel 2X: 1 hr. crawler tractor		5.30		
Landplane 2X: 1 hr. crawler tractor		5.30		
List and fertilize				
1 hr. wheel tractor		3.50		
250 lbs. material at \$69.00 ton		8.63		
Pre-irrigate - (sprinkler)				
8" water at \$12.00 ft. inc. booster		8.00		
labor		2.50		
Shape beds; incorporate herbicide; plant				
1 ½ hrs. 2 men and wheel tractor		6.75		
Seed: 3 lbs. at \$4.50		13.50		
herbicide		11.00		
Irrigate 2X, sprinkler				
8" water at \$12.00 inc. booster		8.00		
labor		1.75		
Cultivate 2X, fertilize 1X				
1 hr. wheel tractor		3.50		
120 lbs. N at 10¢		12.00		
Chemical weed control; custom		15.00		
Irrigate 8 times, furrow.				
8 hrs. labor		15.20		
2' water at \$10.00		20.00		
Pest Control: materials and application, custom		5.00		
Hand weeding: 7 hrs.		13.30		
Lift onions: ½ hr. wheel tractor		1.75		
Windrow onions: 20 hrs. labor		38.00		
Misc. labor, materials, 1 hr. wheel tractor		6.00		
Repairs to equipment except tractors		10.00		
Rent: 12 months basis		60.00		
Supervision		10.00		
Office, car, operating capital business costs, etc.		17.36		
Total Pre-Harvest Cash Costs		306.64	17.04	
<u>Harvest Costs</u>				
Paid by Buyer				
Total Cash Costs (tenant)		306.64	17.04	

ONIONS - Cont'd.

Depreciation - (tenant)

80 hp. - crawler: 3 hrs. at 1.80	5.40
50 hp. wheel tractor: 4 3/4 hrs. at 74¢	3.52
Other Equipment: \$90.00 10 yrs. lift	9.00

Total Depreciation (tenant) 17.92 1.00

Interest on investment at 7%

80 hp. crawler: 3 hrs. at 72¢	2.16
50 hp wheel trac.: 4 3/4 hrs. at 30¢	1.42
Other Equipment: 1/2 cost 45.00	3.15

Total interest on investment (tenant) 6.73 .37

Total Cost of Production (tenant) 331.29 18.41

SAMPLE COSTS PER TON AT VARYING YIELDS (Tenant)

Yield: Tons Per Acre	12	14	16	18	20	22
Cash Costs Per Ton	25.55	21.90	19.16	17.04	15.33	13.94
Total Costs Per Ton (tenant)	27.61	23.66	20.71	18.41	16.56	15.06

SAMPLE TENANT'S COSTS PER TON AT THE INDICATED YIELDS WITH VARYING WATER COSTS

Yield: Tons Per Acre	Total Costs per ton at the indicated water cost per acre foot					
	1.00	3.00	6.00	\$12.00	\$15.00	\$18.00
12	\$25.11	\$25.66	\$26.50	\$28.16	\$29.00	\$29.83
14	21.52	22.00	22.71	24.14	24.85	25.57
16	18.83	19.25	19.87	21.12	21.75	22.37
18	16.74	17.11	17.66	18.78	19.33	19.89
20	15.06	15.40	15.90	16.90	17.40	17.90
22	13.70	14.00	14.45	15.36	15.82	16.27

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