

IRRIGATED BARLEY - DOUBLE CROPPED - TULARE COUNTY

Cost Analysis Worksheet - 1983

Sample costs to produce barley in Tulare County, based on a yield of 4,000 lbs. per acre. Field labor at \$4.50 per hour and equipment operator at \$5.00 per hour; these include benefits. Medium wheel, 80 hp tractor cash costs \$10.69, depreciation \$2.58, and interest \$1.94. Heavy tractor - 130 hp. Cash costs \$15.79, \$4.75, and interest \$3.56.

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	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
<u>Pre-harvest Cash Costs</u>				
Land preparation: 2 hrs. labor - 1 hr. heavy tractor, 1 hr. med. tractor	36.68			
Plant: 1/3 hr. medium tractor	5.25			
Seed: 90 lbs. @ 13¢	11.70			
Fertilizer: 80 lbs. N @ 16¢/lb., source NH ₃	12.80			
40 lbs. P ₂ O ₅ @ 40¢/lb.	16.00			
Application: custom	7.00			
Broadleaf weed control: air application @5.00, material \$2.75	7.75			
* aphid control if needed: air application \$5.00 material \$5.60	.00			
Irrigate: 1 pre and 2 crop - labor 3 hrs.	13.50			
Water: (combined canal, pumping district assessment) 1 1/2 acre ft. @ \$20/A ft.	30.00			
Miscellaneous: Labor, material, 1 hr. man + med. tractor	20.00			
Repairs, except tractors (1/2 cost)	10.00			
Office, car, business costs (1/2 cost)	10.00			
County taxes (1/2 cost)	5.00			
Land cost (1/2 cost)	62.50			
Interest on operating cost = (total pre-harvest cash cost) ÷ 2 X 13%	16.13			
TOTAL PRE-HARVEST CASH COSTS	\$264.31	6.60		
<u>Harvesting Costs</u>				
Combine: 14.00/A + \$7.00	28.00			
Hauling: 27.5¢/cwt. - 10 miles	11.00			
TOTAL HARVESTING COSTS	39.00	.98		
TOTAL CASH COSTS	\$303.31	\$7.58		
<u>Depreciation</u>				
Irrigation system (1/2 cost) original cost \$350, 16 yr. life	10.94			
Tractor 80 hp diesel wheel: 2.3 hr.	5.93			
130 hp, 1 hr	4.75			
Other equipment (1/2 cost) of \$100 over 10 yrs.	5.00			
TOTAL DEPRECIATION	\$26.62	\$.66		
TOTAL CASH AND DEPRECIATION COSTS	\$329.93	8.24		

PER ACRE PER CWT PER ACRE PER CWT

Interest on Investment - (@ 13% interest)

Irrigation system: 1/4 of \$350	11.38	
Tractor: 80 hp diesel wheel, 2.3 hr.	4.46	
130 hp - 1 hr.	3.56	
Other equipment: 1/4 of \$100	3.25	
TOTAL INTEREST	\$22.65	\$.56
TOTAL COST OF PRODUCTION	\$352.58	\$8.91

COST PER CWT AT VARYING YIELDS

Yield lbs./Acre	2000	3000	4000	5000	6000
Cash cost per cwt.	15.17	10.11	7.58	6.07	5.06
Total cost per cwt.	17.63	11.75	8.81	7.05	5.88

This cost analysis worksheet should be used only as a guide to assist producers in determining their production costs and as an aid in helping analyze costs and procedures. The figures shown are based on what are considered good management practices and do not represent industry averages.

There is a great deal of variation in production costs between areas within a county. For example, tractor size, tillage operations, number of trips and materials may be different for neighboring farmers.

The land cost is a value related to rental costs rather than the interest on the market value. For the person renting land, the rental price should be substituted for land cost; also, interest and depreciation on the irrigation system and county taxes should be eliminated.