

## IRRIGATED BARLEY SINGLE CROPPED IN KINGS COUNTY

## COST ANALYSIS WORK SHEET - 1980

Based on a yield of 4000 lbs. per acre. Field labor at \$4.50 per hour total and equipment operator \$5.50 per hour. Heavy wheel tractor per hour cash cost \$9.00, depreciation \$2.80, interest \$1.90. Medium wheel tractor diesel per hour costs \$4.00, depreciation \$1.80, and interest \$1.10. Water supply-well; output 1350 GPM.

Sidney W. Kite, Kings County Farm Advisor AND Edward A. Yeary, Farm Advisor - Statewide

	SAMPLE COSTS	
	PER ACRE	PER CWT.
<b>Pre-Harvest Cash Costs:</b>		
Land preparation: Disc, harrow, ditch, border, land plane, etc. Total 1-1/2 hours man and heavy tractor	21.75	
Fertilizer: 1/8 hour man and heavy tractor, plus \$1.25 acre cost for injector rig.	3.06	
Fertilizer: 80 lbs. "N" at 15¢. 40 lbs. P <sub>2</sub> O <sub>5</sub> at 50.5¢/lb.	32.20	
Pre-Irrigation: Water: 1 acre ft. at \$12.70	12.70	
Labor: 1 hour	4.50	
Seed bed preparation: 1/2 hour man and heavy tractor	7.25	
Plant: 2 men and 1/4 hour medium tractor	3.50	
Seed: 100 lbs. at 9¢	9.00	
Irrigate 2X: Total 1 ft. water	12.70	
Labor: 1 hour	4.50	
Broadleaf Weed Control: Air application \$3.50 Material \$2.75	6.25	
Fertilizer: 80 lbs. "N" at 15¢/lb. (in water)	12.00	
Miscellaneous, including labor and 1/2 hour medium tractor & materials	6.75	
County and District Taxes (estimate)	25.00	
Repairs, except tractor	7.00	
Office, car, Insurance, business costs, etc.	17.38	
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$185.54</b>	<b>\$ 4.64</b>
<b>Harvesting Costs:</b>		
Custom Combine: \$12.00 per acre plus 15¢/cwt.	18.00	
Hauling: \$3.50 per ton	7.00	
<b>TOTAL HARVESTING COSTS</b>	<b>\$ 25.00</b>	<b>\$ .62</b>
<b>TOTAL CASH COST</b>	<b>\$210.54</b>	<b>\$ 5.26</b>
<b>Depreciation:</b>		
Pump, panel, irrigation system and well: \$320.00, 12 years	26.67	
Equipment and facilities except tractor: Cost \$100.00, 10 years life	10.00	
Heavy Tractor: 2-1/8 hours at \$2.80 plus medium tractor 3/4 hour at \$1.80	7.30	
<b>TOTAL DEPRECIATION</b>	<b>\$ 43.97</b>	<b>\$ 1.10</b>
<b>Interest on Investment at 13%:</b>		
Irrigation system and well cost: \$160.00	20.80	
Equipment and facilities except tractor: \$50.00	6.50	
Heavy Crawler: 2-1/8 hrs. at \$1.90 and medium tractor 3/4 hour at \$1.10	4.87	
Land: \$3,000	390.00	
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>\$422.17</b>	<b>\$10.55</b>
<b>TOTAL COST OF PRODUCTION</b>	<b>\$676.61</b>	<b>\$16.91</b>

(OVER)

UC Cooperative Extension

SAMPLE COSTS PER CWT. AT VARYING YIELDS

YIELD: POUNDS PER ACRE	2000	3000	4000	5000	6000
CASH AND DEPRECIATION COSTS	\$12.40	\$ 8.38	\$ 6.36	\$ 5.16	\$ 4.35
TOTAL COST PER CWT.	\$33.51	\$22.45	\$16.91	\$13.60	\$11.39

NOTE:  
Phosphorus may or may not be needed. If added the resulting costs will be increased. Special problems such as Wild Oats and Fiddleneck, pest and/or disease control, etc. will also affect costs.

\*\*\*\*

The University of California Cooperative Extension in compliance with the Civil Rights Act of 1964, Title IX of the education Amendments of 1972, and the Rehabilitation Act of 1973 does not discriminate on the basis of race, creed, religion, color, national origin, sex, or mental or physical handicap in any of its programs or activities. Inquiries regarding this policy may be directed to: Warren E. Schoonover, 317 University Hall, University of California, Berkeley, California 94720, 415/642-0903. Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture, James B. Kendrick, Jr., Director, Cooperative Extension, University of California.