

IRRIGATED WHEAT SINGLE CROPPED IN KINGS COUNTY

COST ANALYSIS WORK SHEET - 1980

Based on a yield at 5000 lbs. per acre. Field labor at \$4.50 per hour total and equipment operator \$5.50 per hour. Heavy wheat tractor per hour cash costs \$9.00, Depreciation \$2.80, Interest \$1.90. Medium wheel diesel tractor per hour costs \$4.00, depreciation \$1.90, 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 wheat tractor	3.50	
Seed: 100 lbs. @ 12¢	12.00	
Irrigate 3X: Total 1.5 ft. water	19.05	
Labor: 1-1/2 hours	6.75	
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, and materials	6.75	
County and District Taxes (estimate)	25.00	
Repairs, except tractor	7.00	
Office, car, insurance, business costs, etc.	18.72	
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$198.48</b>	<b>\$ 3.97</b>
<b>Harvesting Costs:</b>		
Custom Combine: \$12.00 per acre plus 15¢/cwt.	19.50	
Hauling: \$3.50 per ton	8.75	
<b>TOTAL HARVESTING COSTS</b>	<b>\$ 28.25</b>	<b>\$ .56</b>
<b>TOTAL CASH COST</b>	<b>\$226.73</b>	<b>\$ 4.53</b>
<b>Depreciation:</b>		
Pump, panel, irrigation system, and well: \$320.00		
12 years \$18.67	26.67	
Equipment and facilities except tractor: Cost \$100.00		
10 years live	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>\$ .88</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 Tractor: 2-1/8 hours 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>\$ 8.45</b>
<b>TOTAL COST OF PRODUCTION</b>	<b>\$692.87</b>	<b>\$13.85</b>

(OVER)

SAMPLE COSTS PER CWT. AT VARYING YIELDS

YIELD: POUNDS PER ACRE	3000	4000	5000	6000	7000	8000
CASH AND DEPRECIATION COSTS	\$ 8.81	\$ 6.69	\$ 5.41	\$ 4.57	\$ 3.96	\$ 3.51
TOTAL COST PER CWT.	\$22.88	\$17.24	\$13.86	\$11.60	\$ 9.99	\$ 8.78

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.

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