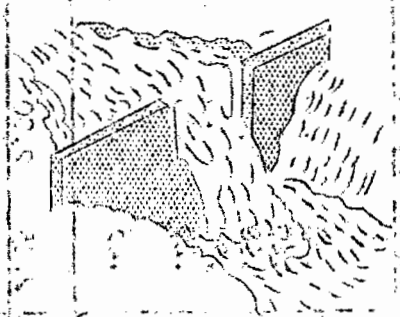
ECONOMICS OF GRAIN PRODUCTION WITH FLOOD IRRIGATION

Modoc County - 1969



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SAMPLE COSTS TO PRODUCE IRRIGATED GRAIN - ALTURAS AREA, MODOC COUNTY 1968

Yield - 2500 lbs + grazing value of $1.00

Operation	Hours per acre	Cash and labor cost per acre: Labor	Fuel and Repairs	Materials		Total	Your Cost
Cultural							
Disc	.3	.60	.66			1.26	
Harrow, 2X	.1	.20	.15			.35	
Fertilize	.3	.60	.44	40 lbs N @ $.11	4.40	5.44	
Plant, men	.1	.20	.20	100 lbs seed @ $3.50		3.90	
Ditch	.1	.20	.15			.35	
Flood Irrigate, 2X	.3	.45	.40	District Tax	.25	1.10	
Weed Spray (contract)					1.80	1.80	
TOTAL CULTURAL COST -		2.25	2.00		9.95	14.20	
Harvest							
Combine and haul				2500 lbs @ $.40	10.00		
TOTAL HARVEST COST -						10.00	
Miscellaneous overhead - 5% of above					1.21		
Taxes - $300 value x 25% at $7 rate					5.25		
Crop Insurance (Hail and Fire)				$3 per $100 value	1.50		
TOTAL MISCELLANEOUS OVERHEAD -						7.96	
TOTAL CASH COST -						32.16	
Management - 5% of 2500 lbs @ $2.00/cwt.						2.50	

Investment	Per acre	Annual Cost: Depreciation	Interest	
Land	$300.00	-	$18.00	
Equipment	30.65	$2.58	.92	
TOTAL INVESTMENT -	$330.65	$2.58	$18.92	21.50
TOTAL COST PER ACRE -				56.16
GRAZING CREDIT @ $1.00 PER ACRE -				- 1.00
NET COST PER ACRE -				$55.16
COST PER CWT. -				$ 2.25

Labor: Skilled - $2.00 per hour
Irrigators - $1.50 per hour

Comments

Producing acceptable quality malting barley generally returns the grower 10-15% more income than producing the same yield of feed type barley. Firlsbeck III is the recommended brewing type barley for this area.

The production of a winter habit feed wheat such as the variety Nugaines could be a profitable operation. Local yield trials have produced 3 tons of wheat per acre. For this high yield, 100 pounds of nitrogen and a total of 32 inches of water are needed.