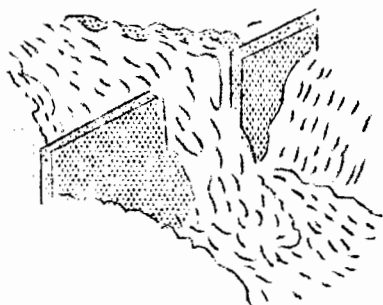


ECONOMICS OF
GRAIN HAY
PRODUCTION WITH
FLOOD IRRIGATION

Modoc County - 1969



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SAMPLE COSTS TO PRODUCE GRAIN HAY - MODOC COUNTY 1968

Yield - 2.5 Tons

Operation	Hours per acre	Cash and labor cost per acre			Total	Your Cost
		Labor	Fuel and repairs	Materials		
Cultural						
Disc	.3	.60	.66		1.26	
Harrow, 2X	.1	.20	.15		.35	
Plant	.1	.20	.20	Seed, 100 lbs. 3.00	3.40	
Ditch	.1	.20	.15		.35	
Irrigate	.3	.45	.10	District Tax .25	.80	
Fertilize				150 lbs Am. S. @ .11/lb. N 3.47	3.47	
TOTAL CULTURAL COST -		1.65	1.26	6.72	9.63	
Harvest						
Swath	.25	.50	1.06		1.56	
Bale	.4	.80	1.04	Wire, \$1 Ton 2.50	4.34	
Haul (contract)				\$3 Ton 7.50	7.50	
TOTAL HARVEST COST -		1.30	2.10	10.00	13.40	
Miscellaneous overhead - 5% of above					1.15	
Taxes - \$300 Value x 25% at \$7 rate					5.25	
Crop Insurance (Fire) \$.80 per \$100 Value					.36	
TOTAL MISCELLANEOUS OVERHEAD -					6.76	
TOTAL CASH COSTS -					<u>29.79</u>	
Management - 5% of 2.5 Tons @ \$18.00					2.25	
Investment						
		<u>Annual Cost</u>				
	<u>Per acre</u>	<u>Depreciation</u>	<u>Interest</u>			
Land	\$300.00	-	\$18.00			
Equipment (grain)	78.35	\$ 9.37	2.36			
TOTAL INVESTMENT -		\$378.35	\$ 9.37	\$20.36	29.73	
TOTAL COST PER ACRE -					<u>\$61.77</u>	
TOTAL COST PER TON -					<u>\$24.71</u>	

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

Comments

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1. The variety Park has been the best yielding hay oat. Beardless barley is used to a lesser extent.
2. Heavier rates of fertilizer - up to 300 pounds of ammonium sulfate per acre - where 3 or more irrigations are available will usually pay.
3. University feeding trials using oat hay cut at different growth stages showed the most pounds of meat per acre is obtained when oats are cut at close to 20% bloom stage. Weight gains drop rapidly after this time of plant maturity. The next best stage to cut for hay is at the mid-dough grain stage.