

ESTIMATED CASH COSTS TO ESTABLISH  
SPRINKLE IRRIGATED ALFALFA

Modoc County - 1984

<u>ITEM</u>		<u>ESTIMATED COST PER ACRE</u>	<u>YOUR COST</u>
Land Preparation	May include plow or rototill, disking, harrowing, dragging, pack & drill @ \$50/hour 1½ hours per acre	\$75.00	_____
Seed	16 lbs per acre @ \$2.75/pound	44.00	_____
Fertilizer	500 lbs gypsum per acre @ \$35.00 per ton spread	8.75	_____
	300 lbs elemental sulfur @ \$130 per ton spread	19.50	_____
Weed Control	Post Emergence (2, 4-DB Ester) @ \$12.50/acre applied (3 pts/acre)	12.50	_____
Irrigation	Electricity to pump 48 inches of water*	46.85	_____
	Labor to move wheel lines 10 irrigations @ \$3.65/hr and 1.1 hours per acre	40.15	_____
		\$246.75	_____
	Interest on \$246.75 for 6 mos @13.75%	16.96	_____
	TOTAL COST/ACRE	\$263.71	_____

\*REA Power

ESTIMATED COSTS TO PRODUCE ALFALFA HAY IN  
MODOC COUNTY - 1984

OPERATION	HRS/ACRE	CASH & LABOR COST/ACRE	TOTAL	YOUR COST
<b>Cultural Costs</b>				
Irrigate - 10X	4.5	Power \$46.85 <sup>1</sup> - Labor \$16.43 <sup>2</sup>	\$63.28	_____
Fertilize		500 lbs/ac Gypsum, \$35/ton applied	8.75	_____
Weed Control			22.00	_____
Rodent Control		Ground squirrel bait applied	3.75	_____
<b>TOTAL CULTURAL COSTS</b>			<b>\$97.78</b>	
<b>Harvest Costs</b>				
		<b>OWNING &amp; OPERATING COSTS/HR<sup>3</sup> *</b>		
Swath - 3X	0.8	\$52.29	\$41.83	_____
Rake - 3X	0.6	5.00	3.00	_____
Bale - 3X	0.9	74.55	67.09	_____
Haul - 3X	0.5	49.68	24.84	_____
<b>TOTAL HARVEST COSTS</b>			<b>\$136.76</b>	
<b>Misc. Cash Costs</b>				
Interest on Operation Capital - \$97.78 @ 15% for 6 months			7.33	_____
Miscellaneous Overhead			25.00	_____
<b>TOTAL MISC. CASH COSTS</b>			<b>\$32.33</b>	
<b>TOTAL CASH COSTS</b>			<b>\$266.87</b>	
<b>NON-CASH COSTS</b>				
<b>Investment Costs</b>				
Land and Improvements (Per acre per year)			\$203.97	_____
Principal & Interest for 20 years (\$1500/ac land @ 12.25% interest)				_____
<b>TOTAL NON-CASH COSTS</b>			<b>\$203.97</b>	
<b>TOTAL COST PER ACRE</b>			<b>\$470.34<sup>5</sup></b>	
Cost per ton @ 5 ton yield			\$94.17	_____
Cost per ton @ 6 ton yield			78.47	_____

<sup>1</sup> REA Power - PP&L rates will be approximately \$70/ac in 1984

<sup>2</sup> \$3.65/hr wage rate

<sup>3</sup> Custom harvest rates for 1984 will range from \$25 to \$30/ton

<sup>4</sup> Owing and operating costs are based on current farm machinery costs and assume a 5 year depreciation and 1,000 to 1,500 hours of use.

<sup>5</sup> These estimates are based on actual cost data provided by growers and agribusinessmen in Modoc County.