



TEXAS HIGH PLAINS I

FOREWORD

The enterprise budgets for Texas High Plains I Region are based on estimates of yields, production input quantities, and production practices which represent the best judgment of local producers, county Extension agents-agriculture, financial institution representatives, farm machinery dealers and others knowledgeable of the area. Variation in yields, production inputs and production practices should be expected for particular farms.

Budgets for all major crops produced in the area are included for two levels of management, when applicable. Crop yields are directly related to levels of management. These differences are due largely to timing of operational practices which may not be evident in the budgets.

The machinery inventory is applicable to both typical and high level management. In some bud-

gets custom rates, primarily harvesting, were used in lieu of the assumption that harvesting equipment was owned.

Budgets for establishing permanent type pasture grasses were prepared and used for prorating establishment costs in the respective pasture and hay budgets. Forage crops include expenses only because it is expected that the income will be derived from livestock enterprises.

Land charges were based on the customary landlord's crop share less his proportionate share of certain production and harvesting inputs and a percentage of fixed cost on the irrigation system when applicable. A per acre land charge was made when crop share was not used.

TEXAS AGRICULTURAL EXTENSION SERVICE . THE TEXAS A&M UNIVERSITY SYSTEM
Daniel C. Pfannstiel, Director . College Station, Texas

TEXAS ENTERPRISE BUDGETS
TEXAS HIGH PLAINS I REGION
Projected for 1982

Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion or national origin.

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ALFALFA ESTAB., FURROW IRRIGATED, (NATURAL GAS), TEX HIGH PLAINS I REGN
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*ALFALFA SEED	15.00	LB.	2.39	35.85	_____
IRRIGATION WATER	10.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		7.67	_____
EQUIPMENT		ACRE		1.39	_____
IRRIGATION		ACRE		29.40	_____
REPAIRS-----TRACTOR		ACRE		1.55	_____
EQUIPMENT		ACRE		1.52	_____
IRRIGATION		ACRE		2.80	_____
LABOR-----MACHINERY	1.00	HOUR	5.00	4.98	_____
IRRIGATION	1.00	HOUR	5.00	5.00	_____
EQUIPMENT	0.63	HOUR	5.00	3.15	_____
OPERATING CAPITAL	22.56	DOL.	0.180	4.06	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 97.37	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 97.37	\$ _____
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -97.37	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.01	_____
EQUIPMENT		ACRE		6.50	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
IRR EQUIP (50%)	10.00	ACIN	0.53	5.30	_____
TOTAL FIXED COSTS		ACRE		\$ 75.81	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 173.18	\$ _____
6. NET PROJECTED RETURNS		ACRE		\$ -173.18	\$ _____

LAND CHARGE USES \$50/ACRE LESS 50% OF IRRIGATION FIXED COSTS.

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PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/12/82.

B-1241 (C 1)

ALFALFA ESTAB., FURROW IRRIGATED, (NATURAL GAS), TEX HIGH PLAINS I REGN
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
CHISEL	1,44	JULY	1.00	0.132	0.100	1.45	0.66	0.0	2.56	4.67
OFFSET DISC	1,78	AUG	1.00	0.104	0.079	1.25	0.52	0.0	2.85	4.63
TANDEM DISC	1,40	AUG	1.00	0.208	0.158	2.10	1.04	0.0	3.77	6.91
GRAIN DRILL	1,93	AUG	1.00	0.280	0.212	3.20	1.40	35.85	5.72	46.16
PACKER	1,88	AUG	1.00	0.272	0.206	2.55	1.36	0.0	3.95	7.86
TOTALS				0.996	0.755	10.55	4.98	35.85	18.85	70.23

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	NOV	4.00	0.400	0.0	12.88	2.00	0.0	2.12	17.00
WATER APPLICATION	SEPT	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
TOTALS		10.00	1.000	0.0	32.20	5.00	0.0	5.30	42.50

ALFALFA, FURROW IRRIGATED, (NATURAL GAS), TEXAS HIGH PLAINS I REGN
 1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAYALFALFA	7.00	TON	60.00	420.00	
TOTAL PROJECTED RETURNS				\$ 420.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
FERT (P) APPL'D	100.00	LB.	0.10	10.00	
IRRIGATION WATER	40.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		1.70	
IRRIGATION		ACRE		117.60	
REPAIRS-----TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		0.22	
IRRIGATION		ACRE		11.20	
LABOR-----MACHINERY	0.0	HOURL	5.00	0.0	
IRRIGATION	4.00	HOURL	5.00	20.00	
EQUIPMENT	0.77	HOURL	5.00	3.85	
OPERATING CAPITAL	24.76	DOL.	0.180	4.46	
SUBTOTAL, PREHARVEST		ACRE		\$ 169.03	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 169.03	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 24.15/TON		HAYALFALFA	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 250.97	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		2.03	
PRORATED ESTABL	173.18	DOL.	0.20	34.64	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
IRR EQUIP (50%)	40.00	ACIN	0.53	21.20	
TOTAL FIXED COSTS		ACRE		\$ 107.86	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 276.89	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 39.56/TON		HAYALFALFA	
6. NET PROJECTED RETURNS		ACRE		\$ 143.11	\$

LAND CHARGE USES \$50/ACRE LESS 50 PERCENT OF IRRIGATION FIXED COSTS.
 ESTABLISHMENT COSTS PRORATED OVER 5 YEARS.

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ALFALFA, FURROW IRRIGATED, (NATURAL GAS), TEXAS HIGH PLAINS I REGN
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	FEB	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
WATER APPLICATION	MAR	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
WATER APPLICATION	APR	4.00	0.400	0.0	12.88	2.00	0.0	2.12	17.00
WATER APPLICATION	MAY	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
WATER APPLICATION	JUNE	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
WATER APPLICATION	JULY	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
WATER APPLICATION	AUG	6.00	0.600	0.0	19.32	3.00	0.0	3.18	25.50
TOTALS		40.00	4.000	0.0	128.80	20.00	0.0	21.20	170.00

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF HAYALFALFA (DOLLARS)				
		48.00	54.00	60.00	66.00	72.00
QUANTITY OF HAYALFALFA	TON					
	5.60	99.77	133.37	166.97	200.57	234.17
	6.30	133.37	171.17	208.97	246.77	284.57
	7.00	166.97	208.97	250.97	292.97	334.97
	7.70	200.57	246.77	292.97	339.17	385.37
	8.40	234.17	284.57	334.97	385.37	435.77

CORN FOR GRAIN, SPRINKLER IRRIGATED, (NATURAL GAS), TEXAS HIGH PLAINS I RE
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN	145.00	BU.	2.85	413.25	
TOTAL PROJECTED RETURNS				\$ 413.25	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SEED CORN/GRAIN	0.35	BAGS	48.00	16.80	
FERT (N) APPL'D	200.00	LB.	0.14	28.00	
FERT (P) APPL'D	60.00	LB.	0.10	6.00	
*HERBICIDE	1.00	ACRE	12.00	12.00	
INSECT. CORN	1.00	ACRE	30.00	30.00	
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.91	
EQUIPMENT		ACRE		1.70	
IRRIGATION		ACRE		81.84	
REPAIRS--TRACTOR		ACRE		1.80	
EQUIPMENT		ACRE		1.79	
IRRIGATION		ACRE		11.04	
LABOR--MACHINERY	1.16	HOUR	5.00	5.79	
IRRIGATION	0.79	HOUR	5.00	3.96	
EQUIPMENT	0.77	HOUR	5.00	3.85	
OPERATING CAPITAL	37.04	DOL.	0.180	6.67	
SUBTOTAL, PREHARVEST		ACRE		\$ 220.15	\$
HARVEST COSTS					
CUST HARV CORN	145.00	BU.	0.25	36.25	
CUSTOM HAULING	145.00	BU.	0.05	7.25	
CUSTOM DRYING	145.00	BU.	0.12	17.40	
SUBTOTAL, HARVEST		ACRE		\$ 60.90	\$
TOTAL VARIABLE COSTS		ACRE		\$ 281.05	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 1.94/BU.	CORN		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 132.20	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		16.29	
EQUIPMENT		ACRE		11.15	
LAND---NET SHARE-RENT		ACRE		44.87	
IRRIG. EQUIP.	24.00	ACIN	1.61	38.64	
TOTAL FIXED COSTS		ACRE		\$ 110.95	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 392.00	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 2.70/BU.	CORN		
6. NET PROJECTED RETURNS		ACRE		\$ 21.25	\$

LAND CHARGE 33% GROSS LESS 33%, FERT, CHEM, GAS, HARVEST & 50% OF
IRRIG. FIXED COSTS. GOV'T DEFICIENCY PAYMENT NOT INCLUDED.

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1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
SHREDDER 4R	1,57	JAN	1.00	0.277	0.210	2.67	1.38	0.0	5.28	9.34
OFFSET DISC	1,43	MAR	1.00	0.104	0.079	1.25	0.52	0.0	2.85	4.63
CHISEL	1,44	MAR	2.00	0.263	0.199	2.90	1.32	0.0	5.13	9.34
OFFSET DISC	1,43	APR	1.50	0.156	0.118	1.88	0.78	0.0	4.28	6.94
HERB SPR/DISC	61	APR	1.00	0.0	0.158	0.01	0.0	12.00	0.19	12.21
LISTER-PLNT6R	1,36	MAY	1.00	0.151	0.115	1.51	0.76	16.80	3.34	22.40
CULTIVATOR 6R	1,33	MAY	1.00	0.207	0.157	2.05	1.04	0.0	4.34	7.43
TOTALS				1.159	1.036	12.28	5.79	28.80	25.42	72.29

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	3.00	0.099	0.0	11.61	0.49	0.0	4.83	16.93
WATER APPLICATION	APR	3.00	0.099	0.0	11.61	0.49	0.0	4.83	16.93
WATER APPLICATION	JUNE	4.00	0.132	0.0	15.48	0.66	0.0	6.44	22.58
WATER APPLICATION	JULY	8.00	0.264	0.0	30.96	1.32	0.0	12.88	45.16
WATER APPLICATION	AUG	6.00	0.198	0.0	23.22	0.99	0.0	9.66	33.87
TOTALS		24.00	0.792	0.0	92.88	3.96	0.0	38.64	135.48

RESIDUAL RETURNS AT ALTERNATIVE YIELDS AND PRICES
ADJUSTED FOR YIELD-RELATED COSTS AND CHANGES IN SHARE-RENT

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF CORN
(DOLLARS)

BU.	2.28	2.56	2.85	3.13	3.42
116.00	-4.18	17.97	40.12	62.27	84.42
130.50	13.89	38.81	63.73	88.64	113.56
145.00	31.96	59.65	87.33	115.02	142.71
159.50	50.03	80.48	110.94	141.40	171.85
174.00	68.10	101.32	134.55	167.77	201.00

NOTE: NEGATIVE RETURNS OVER VARIABLE COSTS MAY BE AVOIDABLE
VIA CROP ABANDONMENT, GRAZE-OUT, OR OTHER MANAGEMENT
STRATEGIES.