



TEXAS ROLLING PLAINS I

FOREWORD

The enterprise budgets for Texas Rolling 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 budgets 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. A per acre land charge was made when crop share was not used.

TEXAS ROLLING PLAINS I REGION

Assumed Prices Paid and Received by Farmers 1/

Item	Unit	Price
<u>Prices paid (1976)</u>		
Seed		
Cotton (di-system)	cwt.	\$ 32.00
Cotton (delinted)	cwt.	26.00
Grain Sorghum	cwt.	30.00
Guar	cwt.	20.00
Wheat (clean and treated)	bu.	6.50
Alfalfa	cwt.	95.00
Forage Sorghum Silage	cwt.	25.00
Sudan	cwt.	25.00
Fertilizer		
Nitrogen (Anhy.)	lb.	.21
Nitrogen (dry)	lb.	.26
Phosphorous	lb.	.21
Chemicals		
Pre-emerge Herbicide	5 gal.	135.00
Methyl-Parathion	gal.	8.50
Malathion	gal.	12.75
Custom rates		
Combining wheat	acre	7.50 <u>2/</u>
Combining grain sorghum	acre	8.00
Combining Guar	acre	10.00
Hay Harvest (mow, rake, bale, haul)	bale	.65
Ensilage (chop, haul, pack)	ton	4.50
Hauling		
Grain sorghum	cwt.	.20
Guar	cwt.	.20
Wheat	bu.	.10 <u>3/</u>
Chemical spraying	acre	1.75
Hoeing Labor	hour	2.00
Tractor, Irrigation Labor	hour	2.75
Cotton Ginning	bale	31.00
Fuel and lubricants		
Gasoline	gal.	.45
L. P. Gas	gal.	.30

Item	Unit	Price
Diesel	gal.	\$.36
Motor Oil	gal.	2.20
Lubricant	lb.	.30
Capital	\$.095
Hail Insurance (wheat)	acre	3.00

Prices received (1976)

Cotton	lb.	.42
Guar	cwt.	10.00
Cottonseed	ton	110.00
Wheat	bu.	3.75
Grain sorghum	cwt.	4.50
Alfalfa hay	ton	55.00
Forage Sorghum hay	ton	45.00
Ensilage	ton	12.00
Coastal hay	ton	35.00
Pasture grazing	AUM	10.00
Potatoes	cwt.	7.00

1/ These price assumptions are not to be interpreted as predictions or prospective prices.

2/ Plus 5¢/bu. over 20 bu.

3/ Plus ½¢/bu. over 5 miles.

TEXAS ROLLING PLAINS I REGION

Estimated Machinery and Equipment Cost Per Hour of Use

Machinery Item and Size	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Tractor - 115 HP	\$13,000	5	3750	\$3.35	\$5.18
Tractor - 100 HP	11,500	5	3750	2.97	4.55
Tractor - 80 HP	9,000	8	4800	2.39	3.16
Tractor - 45 HP	4,025	12	3600	1.82	2.18
Pickup - 1/2 ton	5,100	4	2000	2.42	1.40
Lister planter - 13.3 feet	1,296	8	1200	1.45	.61
Lister planter - 20 feet	1,944	8	1200	2.19	.91
Cultivator 4R - 13.3 feet	1,080	8	1600	.91	.38
Cultivator 6R - 20 feet	1,728	8	1600	1.45	.61
Tandem disc - 13 feet	1,728	8	1600	1.45	.47
Tandem disc - 16 feet	2,178	8	1600	1.83	.59
Chisel - 13 feet	864	8	1600	.73	.24
Chisel - 17 feet	1,080	8	1600	.91	.29
Moldboard 4BTM - 5.3 feet	1,512	8	1600	1.28	.71
Moldboard 5BTM - 6.7 feet	2,160	8	1600	1.82	1.01
Shredder 2R - 6.7 feet	378	8	1000	.51	.18
Shredder 4R - 13.3 feet	1,512	8	1000	2.04	.74
Grain drill - 13.8 feet	1,404	10	1200	.77	.51
Grain drill - 16.7 feet	1,728	10	1200	2.19	.63
Stripper - 6.6 feet	3,888	5	1500	2.79	.91
Stripper & basket - 6.6 feet	5,832	5	1500	4.19	1.36
Oneway - 12 feet	1,512	10	1500	1.53	.44
Sandfighter 8R - 26.6 feet	324	10	1000	.49	.14
Rolling cultivator 6R - 20 feet	1,836	8	1600	1.55	.86
Knife 4R - 13.3 feet	864	10	1200	1.09	.05
Float - 9 feet	1,620	10	1000	2.46	.07

ALFALFA ESTABLISHMENT, DRYLAND, TEXAS ROLLING PLAINS I REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$ _____
TOTAL				\$ 0.0
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	LBS.	0.95	20.00	19.00
FERT(16-20-0)	ACRE	8.56	1.00	8.56
MACHINERY	ACRE	1.71	1.00	1.71
TRACTORS	ACRE	2.96	1.00	2.96
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	1.44	3.95
INTEREST ON OP. CAP.	DOL.	0.09	8.38	<u>0.80</u>
SUBTOTAL, PRE-HARVEST				\$ 36.98
HARVEST COSTS				\$ _____
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 36.98
3. INCOME ABOVE VARIABLE COSTS				\$ -36.98
4. FIXED COSTS				\$
MACHINERY	ACRE	1.71	1.00	1.71
TRACTORS	ACRE	2.04	1.00	2.04
LAND (NET RENT)	ACRE	200.00	0.04	<u>8.00</u>
TOTAL FIXED COSTS				\$ 11.75
5. TOTAL COSTS				\$ 48.72
6. NET RETURNS				\$ -48.72

PROJECTED, 1976

ALFALFA ESTABLISHMENT, DRYLAND, TEXAS ROLLING PLAINS I REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
CHISEL 13°	2,36	JULY	1.00	0.290	0.193	1.10	0.83
PICKUP	10	JULY	0.10	0.125	0.100	0.37	0.24
TANDEM DISC-13°	2,34	AUG	1.00	0.239	0.159	0.94	0.80
PICKUP	10	AUG	0.10	0.125	0.100	0.37	0.24
FERT. APPLI, RENTD	3,86	SEPT	1.00	0.097	0.064	0.24	0.19
GRAIN DRILL 131C	3,44	SEPT	1.00	0.311	0.208	0.89	0.96
PICKUP	10	SEPT	0.10	0.125	0.100	0.37	0.24
PICKUP	10	OCT	0.10	0.125	0.100	0.37	0.24
TOTALS				1.437	1.025	4.67	3.75

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 811005002 500 0
ANNUAL CAPITAL MONTH 12

ALFALFA, DRYLAND, TEXAS ROLLING PLAINS I REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
HAY	TON	55.00	2.50	<u>137.50</u>
TOTAL				\$ 137.50
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(0-20-0)	ACRE	4.20	1.00	4.20
MACHINERY	ACRE	2.23	1.00	2.23
TRACTORS	ACRE	0.24	1.00	0.24
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	0.85	2.33
INTEREST CN OP. CAP.	DOL.	0.09	2.32	<u>0.22</u>
SUBTOTAL, PRE-HARVEST				\$ 9.22
HARVEST COSTS				\$
CUSTOM HARVEST	BALE	0.65	82.00	<u>53.30</u>
SUBTOTAL, HARVEST				\$ 53.30
TOTAL VARIABLE COST				\$ 62.52
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			25.008
4. FIXED COSTS				\$
MACHINERY	ACRE	1.45	1.00	1.45
TRACTORS	ACRE	0.19	1.00	0.19
PRORATED ESTAB. COST	ACRE	48.72	0.17	8.14
LAND (NET RENT)	ACRE	26.40	1.00	<u>26.40</u>
TOTAL FIXED COSTS				\$ 36.17
5. TOTAL COSTS				\$ 98.69
6. BREAKEVEN PRICE, TOTAL COSTS	TON			39.476

LAND CHARGE USES LANDLORD SHARE OF GROSS (1/3) LESS 1/3 OF FERTILIZER AND HARVEST.

ESTABLISHMENT COSTS PRORATED OVER SIX YEARS.

PROJECTED, 1976

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ALFALFA, DRYLAND, TEXAS ROLLING PLAINS I REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
FERT. APPL I, RENTD	3,86	APR	1.00	0.097	0.064	0.24	0.19
PICKUP	10	APR	0.10	0.125	0.100	0.37	0.24
PICKUP	10	MAY	0.10	0.125	0.100	0.37	0.24
PICKUP	10	JUNE	0.10	0.125	0.100	0.37	0.24
PICKUP	10	JULY	0.10	0.125	0.100	0.37	0.24
PICKUP	10	AUG	0.10	0.125	0.100	0.37	0.24
PICKUP	10	SEPT	0.10	0.125	0.100	0.37	0.24
TOTALS				0.847	0.664	2.47	1.64

LAND CHARGE USES LANDLORD SHARE OF GROSS (1/3) LESS 1/3 OF FERTILIZER AND HARVEST.
ESTABLISHMENT COSTS PRORATED OVER SIX YEARS. PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 81 005002 500 0
ANNUAL CAPITAL MONTH 9

ALFALFA ESTABLISHMENT, DRYLAND, TEXAS ROLLING PLAINS I REGION
 ESTIMATED COSTS AND RETURNS PER ACRE
 HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$ _____
TOTAL				\$ 0.0
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	LBS.	0.95	20.00	19.00
FERT(16-20-0)	ACRE	8.56	1.00	8.56
MACHINERY	ACRE	1.73	1.00	1.73
TRACTORS	ACRE	2.81	1.00	2.81
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	1.31	3.62
INTEREST ON OP. CAP.	DOL.	0.09	8.34	0.79
SUBTOTAL, PRE-HARVEST				\$ 36.51
HARVEST COSTS				\$ _____
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 36.51
3. INCOME ABOVE VARIABLE COSTS				\$ -36.51
4. FIXED COSTS				\$
MACHINERY	ACRE	1.77	1.00	1.77
TRACTORS	ACRE	1.91	1.00	1.91
LAND (NET RENT)	ACRE	200.00	0.04	8.00
TOTAL FIXED COSTS				\$ 11.69
5. TOTAL COSTS				\$ 48.20
6. NET RETURNS				\$ -48.20

PROJECTED, 1976

ALFALFA ESTABLISHMENT, DRYLAND, TEXAS ROLLING PLAINS I REGION
 ESTIMATED COSTS AND RETURNS PER ACRE
 HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
CHISEL 17'	1,37	JULY	1.00	0.222	0.148	0.96	0.73
PICKUP	10	JULY	0.10	0.125	0.100	0.37	0.24
OFFSET DISC	1,59	AUG	1.00	0.239	0.159	1.09	0.94
PICKUP	10	AUG	0.10	0.125	0.100	0.37	0.24
FERT. APPLI, RENTD	3,86	SEPT	1.00	0.097	0.064	0.24	0.19
GRAIN DRILL 16'8	3,45	SEPT	1.00	0.257	0.172	0.76	0.87
PICKUP	10	SEPT	0.10	0.125	0.100	0.37	0.24
PICKUP	10	OCT	0.10	0.125	0.100	0.37	0.24
TOTALS				1.315	0.943	4.54	3.69

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 811005001 500 0
 ANNUAL CAPITAL MONTH 12