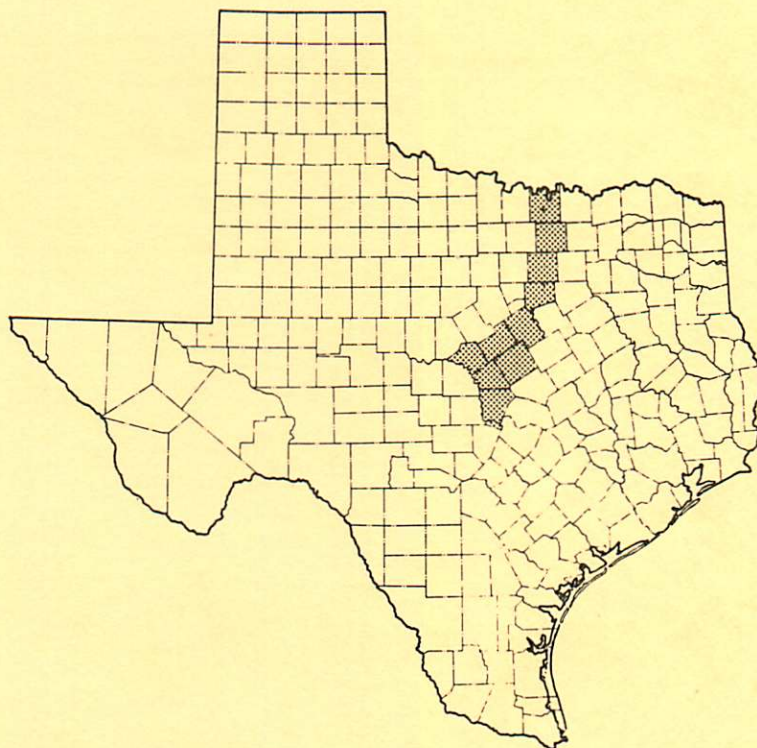




TEXAS GRAND PRAIRIE

FOREWORD

The enterprise budgets for Texas Grand Prairie 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 used.

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 GRAND PRAIRIE REGION

Assumed Prices Paid and Received by Farmers 1/

Item	Unit	Price
<u>Prices paid (1976)</u>		
Seed		
Cottonseed (acid delinted)	lb.	\$.35
Grain sorghum	lb.	.42
Wheat	lb.	.15
Oats (typical)	lb.	.10
Oats (high level)	lb.	.13
Sudangrass	lb.	.20
Corn	lb.	.45
Ryegrass	lb.	.25
Barley	lb.	.14
Kleingrass	lb. pls	8.00
Tam Wintergreen Harding	lb.	3.00
Fertilizer		
Nitrogen	lb.	.21
Phosphorous	lb.	.18
Potassium	lb.	.075
Fuel and lubricants		
Gasoline (bulk delivery-\$.09 tax refund)	gal.	.41
Diesel	gal.	.37
Labor		
Typical management	hour	2.00
High level management	hour	2.25
Custom rates		
Cotton Stripping and Hauling	cwt.	1.25
Combining grain sorghum (\$5.00 minimum)	cwt.	.28
Hauling grain sorghum	cwt.	.17
Combining Wheat/Oats	acre	6.50
Hauling Wheat/Oats	cwt.	.17
Combining Corn	bu.	.17
Hauling Corn	bu.	.10
Cut, Rake and Bale Hay	bale	.45
Hauling Hay	bale	.20
Applying Herbicide/Insecticide (aerial)	acre	1.50
Cotton Ginning	cwt.	1.50
Fertilizer Spreader	acre	1.75

UNITED STATES OF AMERICA

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WASH. D.C.

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

Item	Unit	Price
Interest on Operating Capital	percent	.10

Prices received (1976)

Cotton lint	lb.	\$.46
Cottonseed	ton	105.00
Grain Sorghum	cwt.	4.25
Corn	bu.	2.50
Wheat	bu.	3.50
Oats	bu.	1.50
Barley	bu.	1.75
Sorghum Hay	ton	48.00
Coastal Hay	ton	48.00
Oat Hay	ton	50.00
Kleingrass Hay	ton	48.00

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

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

PLANT INDUSTRY INVESTIGATION REPORT
NO. 1000

PLANT INDUSTRY INVESTIGATION REPORT
NO. 1000

PLANT INDUSTRY INVESTIGATION REPORT
NO. 1000

TEXAS GRAND PRAIRIE 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 - 130 HP	\$13,500	6	3600	\$4.11	\$5.80
Tractor - 100 HP	11,500	6	3600	3.50	4.73
Tractor - 75 HP	9,400	8	6400	1.91	2.05
Tractor - 40 HP	4,000	12	3600	1.85	2.23
Pickup - 1/2 ton	4,750	4	2000	2.29	4.90
Chisel - 12.7 feet	1,300	10	2000	1.00	.28
Cultivator - 12.7 feet	1,300	8	2400	.75	.30
Disk-tandem - 13 feet	1,300	10	1000	2.02	.57
Disk-tandem - 16 feet	2,200	10	1000	3.41	.96
Grain drill - 11 feet	1,600	10	1000	2.47	.70
Sprayer herbicide - 13 feet	295	8	800	.51	.16
Sprayer herbicide - 19 feet	350	8	800	.61	.19
Lister/Bedder - 13 feet	1,035	8	2400	.59	.24
Lister/Bedder - 19 feet	1,400	8	2400	.81	.33
Planter 4R - 13 feet	1,400	8	1200	1.60	.65
Planter 6R - 19 feet	2,050	8	1200	2.35	.96
Shredder 4R - 13 feet	1,400	6	1200	1.39	.57
Shredder 6R - 19 feet	2,950	6	1200	2.94	1.20
Sprayer - 25 feet	800	10	500	2.47	.70
Stripper - 6 feet	3,700	10	800	7.21	2.32
Roller 4R - 13 feet	140	10	750	.29	.08
Roller 6R - 19 feet	200	10	750	.42	.12
Trailors - 4 feet	950	10	500	2.92	1.21
Cultipacker - 10 feet	800	10	500	2.47	1.20

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS GRAND PRAIRIE 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	48.00	2.00	\$ 96.00
TOTAL				\$ 96.00
2. VARIABLE COSTS				
PREHARVEST				\$
FERT(60-40-0)	ACRE	19.80	1.00	19.80
CUSTOM SPRIGGING	ACRE	18.00	1.00	18.00
HERBICIDE	ACRE	1.50	1.00	1.50
MACHINERY	ACRE	4.72	1.00	4.72
TRACTORS	ACRE	4.37	1.00	4.37
LABOR(TRACTOR & MACHINERY)	HOURL	2.25	2.60	5.85
INTEREST ON OP. CAP.	DOL.	0.10	30.11	3.01
SUBTOTAL, PRE-HARVEST				\$ 57.25
HARVEST COSTS				\$
CUSTOM BALING	TON	14.85	2.00	29.70
CUSTOM HAULING	TON	6.60	2.00	13.20
SUBTOTAL, HARVEST				\$ 42.90
TOTAL VARIABLE COST				\$ 100.15
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			50.074
4. FIXED COSTS				\$
MACHINERY	ACRE	3.16	1.00	3.16
TRACTORS	ACRE	3.33	1.00	3.33
PRORATED ESTAB. COST	ACRE	68.74	1.00	68.74
LAND (NET RENT)	ACRE	5.00	1.00	5.00
TOTAL FIXED COSTS				\$ 80.23
5. TOTAL COSTS				\$ 180.38
6. BREAKEVEN PRICE, TOTAL COSTS	TON			90.189

PROJECTED, 1976

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS GRAND PRAIRIE 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	2,30	DEC	1.00	0.297	0.198	1.18	1.03
DISK-TANDEM	2,34	DEC	2.00	0.573	0.382	2.38	2.38
PICKUP	10	DEC	0.10	0.125	0.100	0.49	0.23
PICKUP	10	JAN	0.10	0.125	0.100	0.49	0.23
FERT.APPLI, RENTD	6,86	FEB	1.00	0.103	0.069	0.18	0.15
PICKUP	10	FEB	0.20	0.250	0.200	0.98	0.46
PICKUP	10	MAR	0.10	0.125	0.100	0.49	0.23
SPRAYER HERBICID	6,40	APR	1.00	0.397	0.264	0.75	0.72
PICKUP	10	APR	0.10	0.125	0.100	0.49	0.23
PICKUP	10	AUG	0.10	0.125	0.100	0.49	0.23
FERT.APPLI, RENTD	6,86	SEPT	1.00	0.103	0.069	0.18	0.15
PICKUP	10	SEPT	0.10	0.125	0.100	0.49	0.23
PICKUP	10	NOV	0.10	0.125	0.100	0.49	0.23
TOTALS				2.598	1.882	9.09	6.49

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 8340140021400 0
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS GRAND PRAIRIE REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
HAY	TON	48.00	3.00	<u>144.00</u>
TOTAL				\$ 144.00
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(90-40-0)	ACRE	26.10	1.00	26.10
CUSTOM SPRIGGING	ACRE	18.00	1.00	18.00
HERBICIDE	ACRE	8.25	1.00	8.25
MACHINERY	ACRE	2.74	1.00	2.74
TRACTORS	ACRE	3.91	1.00	3.91
LABOR(TRACTOR & MACHINERY)	HOUR	2.25	1.93	4.34
INTEREST ON OP. CAP.	DOL.	0.10	40.42	<u>4.04</u>
SUBTOTAL, PRE-HARVEST				\$ 67.39
HARVEST COSTS				\$
CUSTOM BALING	TON	14.85	3.00	44.55
CUSTOM HAULING	TON	6.60	3.00	<u>19.80</u>
SUBTOTAL, HARVEST				\$ 64.35
TOTAL VARIABLE COST				\$ 131.74
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			43.913
4. FIXED COSTS				\$
MACHINERY	ACRE	2.18	1.00	2.18
TRACTORS	ACRE	3.05	1.00	3.05
PRORATED ESTAB. COST	ACRE	77.62	0.10	7.76
LAND (NET RENT)	ACRE	5.00	1.00	<u>5.00</u>
TOTAL FIXED COSTS				\$ 17.99
5. TOTAL COSTS				\$ 149.73
6. BREAKEVEN PRICE, TOTAL COSTS	TON			49.909

PROJECTED, 1976

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS GRAND PRAIRIE 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	2,30	DEC	2.00	0.594	0.396	2.36	2.06
DISK-TANDEM	2,35	DEC	1.00	0.233	0.155	1.03	1.18
PICKUP	10	DEC	0.10	0.125	0.100	0.49	0.23
PICKUP	10	JAN	0.10	0.125	0.100	0.49	0.23
SPRAYER HERBICID	4,41	FEB	1.00	0.271	0.181	0.48	0.52
FERT.APPLI, RENTD	4,86	FEB	1.00	0.103	0.069	0.17	0.16
PICKUP	10	FEB	0.10	0.125	0.100	0.49	0.23
PICKUP	10	MAR	0.10	0.125	0.100	0.49	0.23
PICKUP	10	APR	0.10	0.125	0.100	0.49	0.23
FERT.APPLI, RENTD	4,86	JUNE	1.00	0.103	0.069	0.17	0.16
TOTALS				1.930	1.370	6.65	5.23

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 8340140011400 0
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDAGRASS HAY, DRYLAND, TEXAS GRAND PRAIRIE 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	48.00	3.50	<u>168.00</u>
TOTAL				\$ 168.00
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(100-40-0)	ACRE	28.20	1.00	28.20
HERBICIDE	ACRE	1.50	1.00	1.50
MACHINERY	ACRE	3.45	1.00	3.45
TRACTORS	ACRE	0.72	1.00	0.72
LABOR(TRACTOR & MACHINERY)	HOUR	2.25	1.28	2.88
INTEREST ON OP. CAP.	DOL.	0.10	19.32	<u>1.93</u>
SUBTOTAL, PRE-HARVEST				\$ 38.68
HARVEST COSTS				\$
CUSTOM BALING	TON	14.85	3.50	51.97
CUSTOM HAULING	TON	6.60	3.50	<u>23.10</u>
SUBTOTAL, HARVEST				\$ 75.07
TOTAL VARIABLE COST				\$ 113.76
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			32.503
4. FIXED COSTS				\$
MACHINERY	ACRE	1.67	1.00	1.67
TRACTORS	ACRE	0.60	1.00	0.60
PRORATED ESTAB. COST	ACRE	77.62	0.10	7.76
LAND (NET RENT)	ACRE	10.00	1.00	<u>10.00</u>
TOTAL FIXED COSTS				\$ 20.03
5. TOTAL COSTS				\$ 133.79
6. BREAKEVEN PRICE, TOTAL COSTS	TON			38.225

* ESTABLISHMENT COST PRORATED OVER 10 YEARS.

PROJECTED, 1976