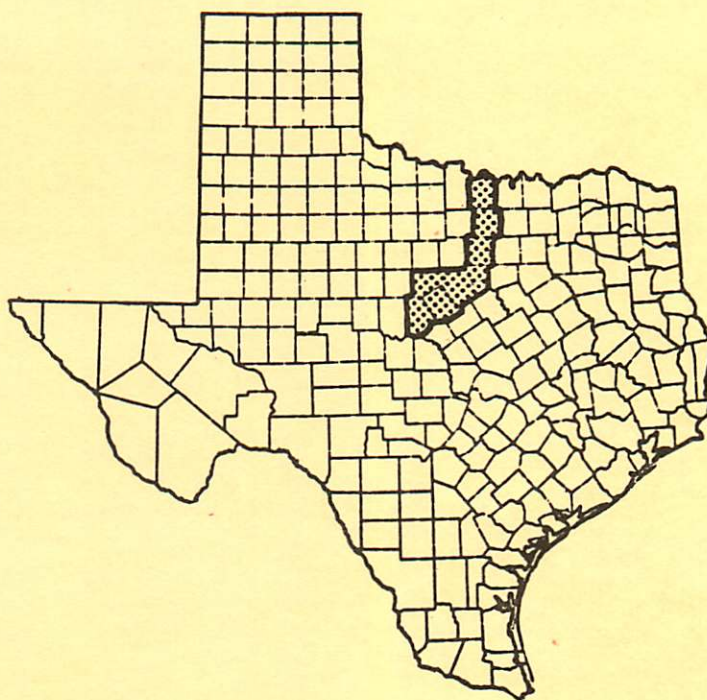




TEXAS CROSS TIMBERS

FOREWORD

The enterprise budgets for Texas Cross Timbers 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 enterprise.

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 CROSS TIMBERS REGION

Assumed Prices Paid and Received by Farmers 1/

Item	Unit	Price
<u>Prices paid (1976)</u>		
Seed		
Coastal Sprigs	lbs.	\$.03
Forage Sorghum	cwt.	24.00
Grain Sorghum	cwt.	40.00
Kleingrass	lbs.	7.00
Oats	cwt.	11.00
Peanuts	lb.	.46
Sudangrass	cwt.	24.00
Wheat	cwt.	13.00
Fertilizer		
Nitrogen	lb.	.20
Phosphorus	lbs.	.16
Potash	lbs.	.07
Labor		
Irrigation	hour	2.50
Tractor	hour	2.50
Custom rates		
Baling	bale	.45
Combining	acre	8.00
Hauling grain	cwt.	.18
Hay Hauling	bale	.20
Peanut drying	ton	10.00
Sprigging	acre	17.00
Capital		
Investment	\$	.10
Operating	\$	.09
Fumigants		
D D Pic	gal.	3.50
Fumazone 86	gal.	11.50
Nemagon 12.1	gal.	11.50
Telone	gal.	3.50

Item	Unit	Price
Fuel		
Gasoline	gal.	\$.51
Diesel	gal.	.47
Herbicides		
Treflan	5 gal.	130.00
Cobex	5 gal.	120.00
Balan	gal.	8.55
Simazine 80W	lb.	3.45
Dianap	gal.	7.25
Lasso	gal.	15.00
2, 4-D (amine)	gal.	8.75
2, 4-D (ester)	gal.	9.50
Vernam, 10G	cwt.	29.40
Vernam, 6E	gal.	15.40
Insecticides		
Dasanit, 15G	lb.	.59
Dasanit, liquid	gal.	28.50
Dyfonate, 10G	lb.	.47
Sevin, 80W	lb.	1.52
Malathion (55 gal.)	gal.	12.00
Azodrin	gal.	20.00
Methyl parathion	gal.	10.00
Diazinon, 14G	lb.	.60
Fungicides		
Bravo	gal.	25.50
Benlate	lb.	8.30
Manzate 200	lb.	1.25
Terrachlor, 10G	cwt.	22.00
Terrachlor, 2EC	gal.	5.50
Terrachlor, 75WP	lb.	1.25
Lannate, 10G	lb.	.29
Lannate	gal.	17.00
Nudrin	gal.	17.00
<u>Prices received (1976)</u>		
Coastal Hay	ton	50.00
Grain sorghum	cwt.	4.00
Kleingrass hay	ton	50.00
Peanuts	lb.	.19
Sorghum or Sudan hay	ton	50.00

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

TEXAS CROSS TIMBERS 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 - 100 HP	\$13,480	8	6400	\$2.63	\$ 3.15
Tractor - 75 HP	10,900	8	4800	2.83	2.94
Tractor - 50 HP	6,350	12	3600	3.52	2.85
Pickup - 1/2 ton	5,100	4	2000	2.39	4.91
Truck - 2 ton	9,895	4	2000	4.63	10.22
Combine peanut - 6.3 feet	6,785	6	900	8.41	3.94
Disk-tandem - 13 feet	1,480	10	2000	1.08	.32
MB Plow 4 bottom - 4.7 feet	1,230	10	1750	1.04	.52
Planter peanut 4R - 12.7 feet	2,015	10	1000	3.00	1.20
Planter 4R - 12.7 feet	1,615	10	500	4.81	1.81
Chisel - 12.7 feet	1,280	10	1000	1.91	.56
Lister/bedder - 12.7 feet	1,210	8	960	1.67	.71
Drillgrain - 8 feet	1,345	10	1000	2.00	.59
Harrow spike - 15 feet	520	10	1000	.78	.23
Shredder - 6.3 feet	675	8	600	1.50	.55
Cultivator rolling - 12.7 feet	1,885	10	1500	1.87	.94
Digger peanut - 6.3 feet	2,150	10	1400	2.28	1.15
Sprayer herbicide - 13 feet	375	10	750	.75	.22
Sprayer insecticide - 12.7 feet	775	10	2000	.58	.17
Sprayer fungicide - 13 feet	375	10	750	.75	.22

COASTAL BERMUDAGRASS HAY, DRYLAND, TEXAS CROSS TIMBERS 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	50.00	4.00	<u>200.00</u>
TOTAL				\$ 200.00
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(120-40-40)	ACRE	39.20	1.00	39.20
FERTILIZER APPLI	APPL	1.00	3.00	3.00
INSECTICIDE *	ACRE	3.04	0.33	1.00
MACHINERY	ACRE	5.89	1.00	5.89
TRACTORS	ACRE	1.94	1.00	1.94
LABOR(TRACTOR & MACHINERY)	HOURL	2.50	1.92	4.80
INTEREST ON OP. CAP.	DOL.	0.09	18.98	<u>1.71</u>
SUBTOTAL, PRE-HARVEST				\$ 57.55
HARVEST COSTS				\$
CUSTOM BALING	BALE	0.45	120.00	54.00
CUSTOM HAUL	BALE	0.20	120.00	<u>24.00</u>
SUBTOTAL, HARVEST				\$ 78.00
TOTAL VARIABLE COST				\$ 135.55
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			33.887
4. FIXED COSTS				\$
MACHINERY	ACRE	2.55	1.00	2.55
TRACTORS	ACRE	1.51	1.00	1.51
PRORATED ESTAB. COST	ACRE	82.37	0.07	5.77
LAND (NET RENT)	ACRE	10.00	1.00	<u>10.00</u>
TOTAL FIXED COSTS				\$ 19.82
5. TOTAL COSTS				\$ 155.37
6. BREAKEVEN PRICE, TOTAL COSTS	TON			38.843

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS.

**ESTAB. COST PRORATED OVER 15 YEARS.

PROJECTED, 1976

COASTAL BERMUDAGRASS HAY, DRYLAND, TEXAS CROSS TIMBERS 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
PICKUP	10	MAR	0.13	0.156	0.125	0.73	0.30
FERT. APPL I, RENTD	3,86	APR	1.00	0.090	0.064	0.28	0.20
PICKUP	10	APR	0.13	0.156	0.125	0.73	0.30
PICKUP	10	MAY	0.13	0.156	0.125	0.73	0.30
FERT. APPL I, RENTD	3,86	JUNE	1.00	0.090	0.064	0.28	0.20
PICKUP	10	JUNE	0.13	0.156	0.125	0.73	0.30
PICKUP	10	JULY	0.13	0.156	0.125	0.73	0.30
PICKUP	10	AUG	0.13	0.156	0.125	0.73	0.30
SPRAYER INSECT.	5,77	SEPT	1.00	0.399	0.285	1.16	1.06
FERT. APPL I, RENTD	3,86	SEPT	1.00	0.090	0.064	0.28	0.20
PICKUP	10	SEPT	0.13	0.156	0.125	0.73	0.30
PICKUP	10	OCT	0.13	0.156	0.125	0.73	0.30
TOTALS				1.920	1.478	7.84	4.06

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS.

**ESTAB. COST PRORATED OVER 15 YEARS.

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 8360130021300 0
ANNUAL CAPITAL MONTH 10

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS CROSS TIMBERS 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				\$
CUSTOM SPRIGGING	ACRE	17.00	1.00	17.00
FERT(60-40-0)	ACRE	20.00	1.00	20.00
FERTILIZER APPLI	APPL	1.00	2.00	2.00
HERBICIDE	ACRE	1.10	1.00	1.10
INSECTICIDE *	ACRE	3.04	0.33	1.00
MACHINERY	ACRE	6.38	1.00	6.38
TRACTORS	ACRE	6.73	1.00	6.73
LABOR (TRACTOR & MACHINERY)	HOURL	2.50	3.50	8.74
INTEREST ON OP. CAP.	DOLL.	0.09	40.20	3.62
SUBTOTAL, PRE-HARVEST				\$ 66.57
HARVEST COSTS				\$ -----
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 66.57
3. INCOME ABOVE VARIABLE COSTS				\$ -66.57
4. FIXED COSTS				\$
MACHINERY	ACRE	3.79	1.00	3.79
TRACTORS	ACRE	5.08	1.00	5.08
LAND (NET RENT)	ACRE	8.00	1.00	8.00
TOTAL FIXED COSTS				\$ 16.87
5. TOTAL COSTS				\$ 83.44
6. NET RETURNS				\$ -83.44

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS.

LAND CHARGE BASED ON PREVAILING RATES IN REGION.

PROJECTED, 1976

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS CROSS TIMBERS 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
MB PLOW 4 BOTTOM	3,37	JAN	1.00	0.749	0.535	2.59	2.26
DISK-TANDEM	3,33	JAN	1.00	0.223	0.159	0.74	0.68
PICKUP	10	JAN	0.10	0.125	0.100	0.58	0.24
FERT.APPLI,RENTD	3,86	FEB	1.00	0.090	0.064	0.28	0.20
DISK-TANDEM	3,33	FEB	2.00	0.446	0.319	1.48	1.36
HARROW SPIKE	5,57	FEB	1.00	0.208	0.148	0.61	0.58
PICKUP	10	FEB	0.10	0.125	0.100	0.58	0.24
PICKUP	10	MAR	0.10	0.125	0.100	0.58	0.24
PICKUP	10	APR	0.10	0.125	0.100	0.58	0.24
SPRAYER HERBICID	5,73	MAY	1.00	0.308	0.220	0.91	0.86
PICKUP	10	MAY	0.10	0.125	0.100	0.58	0.24
FERT.APPLI,RENTD	3,86	JUNE	1.00	0.090	0.064	0.28	0.20
PICKUP	10	JUNE	0.10	0.125	0.100	0.58	0.24
PICKUP	10	JULY	0.10	0.125	0.100	0.58	0.24
PICKUP	10	AUG	0.10	0.125	0.100	0.58	0.24
SPRAYER INSECT.	5,77	SEPT	0.33	0.132	0.094	0.38	0.35
PICKUP	10	SEPT	0.10	0.125	0.100	0.58	0.24
PICKUP	10	OCT	0.10	0.125	0.100	0.58	0.24
TOTALS				3.496	2.605	13.10	8.87

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS.

LAND CHARGE BASED ON PREVAILING RATES IN REGION.

PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 8340130021300 0
ANNUAL CAPITAL MONTH 12

COASTAL BERMUDAGRASS PASTURE, DRYLAND, TEXAS CROSS TIMBERS 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				\$
FERT(60-0-0)	ACRE	12.00	1.00	12.00
FERTILIZER APPLI	APPL	1.00	2.00	2.00
INSECTICIDE *	ACRE	3.04	0.33	1.00
MACHINERY	ACRE	5.89	1.00	5.89
TRACTORS	ACRE	1.67	1.00	1.67
LABOR(TRACTOR & MACHINERY)	HOURL	2.50	1.83	4.57
INTEREST ON OP. CAP.	DOL.	0.09	3.22	0.74
SUBTOTAL, PRE-HARVEST				\$ 27.88
HARVEST COSTS				\$ -----
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 27.88
3. INCOME ABOVE VARIABLE COSTS				\$ -27.88
4. FIXED COSTS				\$
MACHINERY	ACRE	2.55	1.00	2.55
TRACTORS	ACRE	1.30	1.00	1.30
PRORATED ESTAB. COST	ACRE	82.37	0.07	5.77
LAND (NET RENT)	ACRE	10.00	1.00	10.00
TOTAL FIXED COSTS				\$ 19.62
5. TOTAL COSTS				\$ 47.49
6. NET RETURNS				\$ -47.49

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS. ESTABLISHMENT COST
PRORATED OVER 15 YEARS. LAND CHARGE BASED ON PREVAILING RATE IN REGION.
INCOME FROM CROP REFLECTED IN THE LIVESTOCK BUDGETS. PROJECTED, 1976

COASTAL BERMUDAGRASS PASTURE, DRYLAND, TEXAS CROSS TIMBERS 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
PICKUP	10	JAN	0.10	0.125	0.100	0.58	0.24
PICKUP	10	FEB	0.10	0.125	0.100	0.58	0.24
PICKUP	10	MAR	0.10	0.125	0.100	0.58	0.24
FERT. APPL I, RENTD	3,86	APR	1.00	0.090	0.064	0.28	0.20
PICKUP	10	APR	0.10	0.125	0.100	0.58	0.24
PICKUP	10	MAY	0.10	0.125	0.100	0.58	0.24
PICKUP	10	JUNE	0.10	0.125	0.100	0.58	0.24
PICKUP	10	JULY	0.10	0.125	0.100	0.58	0.24
FERT. APPL I, RENTD	3,86	AUG	1.00	0.090	0.064	0.28	0.20
PICKUP	10	AUG	0.10	0.125	0.100	0.58	0.24
SPRAYER INSECT.	5,77	SEPT	1.00	0.399	0.285	1.16	1.06
PICKUP	10	SEPT	0.10	0.125	0.100	0.58	0.24
PICKUP	10	OCT	0.10	0.125	0.100	0.58	0.24
TOTALS				1.329	1.414	7.56	3.85

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS. ESTABLISHMENT COST PRORATED OVER 15 YEARS. LAND CHARGE BASED ON PREVAILING RATE IN REGION. INCOME FROM CROP REFLECTED IN THE LIVESTOCK BUDGETS. PROJECTED, 1976

BUDGET IDENTIFICATION NUMBER--- 8350130021300 0
ANNUAL CAPITAL MONTH 10

COASTAL BERMUDAGRASS ESTAB., DRYLAND, TEXAS CROSS TIMBERS 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				\$
CUSTOM SPRIGGING	ACRE	17.00	1.00	17.00
FERT(60-40-0)	ACRE	20.00	1.00	20.00
FERTILIZER APPLI	APPL	1.00	2.00	2.00
HERBICIDE	ACRE	1.20	1.00	1.20
INSECTICIDE *	ACRE	3.04	0.33	1.00
MACHINERY	ACRE	6.36	1.00	6.36
TRACTORS	ACRE	7.26	1.00	7.26
LABOR(TRACTOR & MACHINERY)	HOUR	2.50	3.46	8.64
INTEREST ON OP. CAP.	DOL.	0.09	40.68	3.66
SUBTOTAL, PRE-HARVEST				\$ 67.12
HARVEST COSTS				\$ -----
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 67.12
3. INCOME ABOVE VARIABLE COSTS				\$ -67.12
4. FIXED COSTS				\$
MACHINERY	ACRE	3.74	1.00	3.74
TRACTORS	ACRE	4.76	1.00	4.76
LAND (NET RENT)	ACRE	8.00	1.00	8.00
TOTAL FIXED COSTS				\$ 16.50
5. TOTAL COSTS				\$ 83.62
6. NET RETURNS				\$ -83.62

* INSECTICIDE APPLICATION NEEDED EACH 3 YEARS.

**LAND CHARGE BASED ON PREVAILING RATE IN REGION.

PROJECTED, 1976