



TEXAS DEEP EAST

FOREWORD

The enterprise budgets for Texas Deep East 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.

DEEP EAST TEXAS REGION

Assumed Prices Paid and Received by Farmers 1/

Item	Unit	Price
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Price Paid (1978)

Seed		
Peanuts	lb.	\$.50
Cotton	lb.	.11
Corn	bag	48.00
Grain sorghum	cwt.	44.00
Soybeans	cwt.	17.50
Crimson clover	cwt.	48.50
Yuchi arrowleaf clover	cwt.	160.00
La S-1 clover	cwt.	260.00
Vetch	cwt.	48.00
Peas	cwt.	40.00
Gulf ryegrass	cwt.	17.00
Oats	cwt.	9.00
Wheat	cwt.	12.00
Rye	cwt.	15.00
Watermelon	lb.	6.00
Coastal sprigs	bu.	.40
Bahiagrass	cwt.	70.00
Fertilizer		
Nitrogen	lb.	.20
Phosphorous	lb.	.16
Potash	lb.	.09
12-12-12	ton	115.00
16-6-12	ton	116.00
10-20-20	ton	140.00
6-24-24	ton	150.00
10-20-10	ton	116.00
0-20-20	ton	122.00
Lime	ton	14.00
Labor		
Irrigation	hour	2.65
Tractor	hour	2.65

DEEP EAST TEXAS

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Item	Unit	Price
Custom rates		
Cut, rake & bale	bale	\$.50
Cut, rake & round bale	roll	10.00
Stacking (medium stack)	stack	35.00
Cotton stripping	lb.	.06
Round baling	R. bale	5.00
Hay hauling	bale	.25
Corn harvesting	bu.	.28
Corn hauling	bu.	.10
Combining grain sorghum	acre	11.00
Hauling grain sorghum	cwt.	.20
Coastal sprigging	acre	20.00
Baling twine	bundle	13.50
Peanut drying	ton	14.00
Fuel		
Diesel	gal.	.42
Gasoline	gal.	.55
Herbicides		
Treflan	5 gal.	130.00
Karmex	lb.	3.50
Atrazine	5 lb.	15.75
Miloguard	5 lb.	17.25
Caparol	gal.	2.95
Cotaran	5 lb.	5.15
DSMA	gal.	7.75
Balan	5 gal.	48.00
Vernam	5 gal.	105.00
2,4-D-B	5 gal.	65.00
2,4-D	gal.	8.40
Banvel D	gal.	33.95
Simazine	lb. (80%)	3.25
Arsenic acid	gal.	7.40
Insecticides		
Methyl parathion	gal.	7.95
Bidrin	qt.	11.00
Diazanone	gal.	3.30
Azrocin	gal.	24.00
Sevin - 80% wettable powder	10 lb.	19.50
Disyston	5 lb.	.70
Dasanit	lb.	.75
Dylox	gal.	18.00
Fungicides		
Benlate	12 lb.	99.80
Bravo	5 gal.	140.00
Tercachlor	lb. (10% gran.)	.30

DEEP EAST TEXAS

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Item	Unit	Price
<u>Prices Received (1978)</u>		
Coastal hay	ton	\$ 50.00
Corn	bu.	1.95
Cotton lint	lb.	.455
Cotton seed	ton	60.00
Grain sorghum	cwt.	3.40
Oats	bu.	1.00
Soybeans	bu.	4.75
Wheat	bu.	2.25
Watermelons	cwt.	3.10
Peanuts	lb.	.20

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

DEEP EAST TEXAS REGION

Estimated Machinery and Equipment Cost Per Hour of Use

Machinery Item and Size	Item No.	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Tractor - 100 HP	1	\$23,500	7	5250	\$5.26	\$6.52
Tractor - 80 HP	3	14,500	7	4200	4.04	5.20
Tractor - 45 HP	5	8,150	10	4500	2.67	2.79
Tractor - 25 HP	9	4,750	15	4500	2.01	2.01
Pickup - 1/2 Ton	10	5,975	4	4000	1.19	2.21
Truck - 2 Ton	11	9,925	10	2000	7.26	5.70
Shredder 2R - 6.7 Ft.	30	1,400	8	800	2.38	.93
Shredder 4R - 13.3 Ft.	32	4,450	8	1000	6.06	2.31
Offset Disc - 10 Ft.	34	3,250	8	1200	3.49	1.44
Tandem Disc - 8 Ft.	36	725	8	1200	.83	.30
Tandem Disc - 14 Ft.	38	2,350	8	1200	2.67	.99
Row Disc - 20 Ft.	42	5,995	8	1200	6.82	2.51
MB Plow 3B - 4 Ft.	46	1,525	8	1400	1.48	.55
Planter - 13.3 Ft.	48	3,150	8	480	8.90	3.51
Planter, Peanut-13.3 Ft.	50	4,200	6	480	10.10	4.63
Grain Drill - 10 Ft.	54	3,150	10	1000	4.86	1.55
Grain Drill - 12 Ft.	55	3,850	10	1000	5.94	1.91
Tool Bar Cult.-13.3 Ft.	56	1,850	8	1200	2.10	.79
Rolling Cult.-13.3 Ft.	58	2,195	8	1200	2.49	.95
Lister Bedder - 13.3 Ft.	60	1,900	8	1400	1.84	.71
Sprayer, Herb - 13.3 Ft.	62	1,100	8	800	1.88	.70
Sprayer, Herb - 20 Ft.	63	475	8	800	.82	.26
Sprayer, Peanuts - 20 Ft.	64	1,225	8	800	2.09	.77

(Continued)

DEEP EAST TEXAS REGION (Continued)

Machinery Item and Size	Item No.	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
DI 6 Invert, Peanut 6 Ft.	66	\$ 2,560	10	1000	\$ 3.94	\$1.35
Combine Peanut - 6.7 Ft.	68	9,000	8	1200	10.20	3.93
Trailers - 30 Ft.	76	1,350	10	1000	2.08	.67
Middle Buster - 12 Ft.	77	650	10	1000	1.00	.35
Subsoiler - 24 Ft.	78	3,100	10	800	5.94	2.19
Fert Dist-Melon	79	1,350	4	1000	1.25	.70
Plant Cult. 1R - 12 Ft.	80	1,550	8	800	2.64	1.01
Roll Cult. 1R - 12 Ft.	81	375	6	1800	.24	.11
Mist Blow Spray - 30 Ft.	82	3,000	5	1000	3.11	1.62
Springtooth Dgr.-12 Ft.	83	1,200	6	1800	.78	.35
Broadcast Seeder - 20 Ft.	85	295	8	1600	.25	.09
Sprayer, Pasture - 30 Ft.	90	725	10	500	2.24	.56

BAHIAGRASS PASTURE, DRYLAND, DEEP EAST TEXAS 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(86-36-36)	ACRE	26.20	1.00	26.20
LIME	TON	14.00	0.20	2.80
MACHINERY	ACRE	0.58	1.00	0.58
TRACTORS	ACRE	0.51	1.00	0.51
LABOR(TRACTOR & MACHINERY)	HOUR	2.65	0.48	1.26
INTEREST ON OP. CAP.	DOL.	0.10	8.96	<u>0.90</u>
SUBTOTAL, PRE-HARVEST				\$ 32.25
HARVEST COSTS				\$ _____
SUBTOTAL, HARVEST				\$ 0.0
TOTAL VARIABLE COST				\$ 32.25
3. INCOME ABOVE VARIABLE COSTS				\$ =32.25
4. FIXED COSTS				\$
MACHINERY	ACRE	0.60	1.00	0.60
TRACTORS	ACRE	0.49	1.00	0.49
LAND (NET RENT)	ACRE	7.00	1.00	<u>7.00</u>
TOTAL FIXED COSTS				\$ 8.08
5. TOTAL COSTS				\$ 40.33
6. NET RETURNS				\$ =40.33

PREPARED BY WAYNE D. TAYLOR, TAEX, OVERTON, TEXAS

PROJECTED 1978

BAHIAGRASS PASTURE, DRYLAND, DEEP EAST TEXAS 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	APR	0.10	0.125	0.100	0.22	0.12
SHREDDER(2R)	5.30	JULY	0.50	0.227	0.152	0.65	0.85
PICKUP	10	JULY	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.22</u>	<u>0.12</u>
TOTALS				0.477	0.352	1.09	1.08

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PROJECTED 1978

BUDGET IDENTIFICATION NUMBER--- 8670200022000 0

ANNUAL CAPITAL MONTH 9

COASTAL BERMUDAGRASS ESTABLISHMENT, DRYLAND, DEEP EAST TEXAS 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	2.50	<u>125.00</u>
TOTAL				\$ 125.00
2. VARIABLE COSTS				\$
PREHARVEST				\$
FERT(110-60-60)	ACRE	37.00	1.00	37.00
LIME	TON	14.00	1.00	14.00
CUSTOM SPRIGGING	ACRE	20.00	1.00	20.00
HERBICIDE	ACRE	2.10	1.00	2.10
MACHINERY	ACRE	1.64	1.00	1.64
TRACTORS	ACRE	3.68	1.00	3.68
LABOR(TRACTOR & MACHINERY)	HOUR	2.65	2.02	5.35
INTEREST ON OP. CAP.	DOL.	0.10	32.20	<u>3.22</u>
SUBTOTAL, PRE-HARVEST				\$ 86.99
HARVEST COSTS				\$
CUSTOM BALING	BALE	0.50	88.00	44.00
CUSTOM HAULING	BALE	0.25	88.00	<u>22.00</u>
SUBTOTAL, HARVEST				\$ 66.00
TOTAL VARIABLE COST				\$ 152.99
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			61.196
4. FIXED COSTS				\$
MACHINERY	ACRE	2.09	1.00	2.09
TRACTORS	ACRE	3.30	1.00	3.30
LAND (NET RENT)	ACRE	8.00	1.00	<u>8.00</u>
TOTAL FIXED COSTS				\$ 13.39
5. TOTAL COSTS				\$ 166.38
6. BREAKEVEN PRICE, TOTAL COSTS	TON			66.551

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COASTAL BERMUDAGRASS ESTABLISHMENT, DRYLAND, DEEP EAST TEXAS 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
OFFSET DISC	3,34	JAN	1.00	0.296	0.197	1.51	1.68
TANDEM DISC	5,36	JAN	1.00	0.464	0.309	1.12	1.25
TANDEM DISC	5,36	FEB	1.00	0.464	0.309	1.12	1.25
PICKUP	10	FEB	0.10	0.125	0.100	0.22	0.12
PICKUP	10	MAR	0.10	0.125	0.100	0.22	0.12
SPRAYER, PASTURE	5,90	MAY	1.00	0.172	0.115	0.45	0.62
PICKUP	10	MAY	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JUNE	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JULY	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.22</u>	<u>0.12</u>
TOTALS				2.020	1.430	5.32	5.39

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PROJECTED 1978

BUDGET IDENTIFICATION NUMBER--- 8340200022000 0
ANNUAL CAPITAL MONTH 8

COASTAL BERMUDAGRASS ESTABLISHMENT, DRYLAND, DEEP EAST TEXAS 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	50.00	4.00	<u>200.00</u>
TOTAL				\$ 200.00
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(250=100=100)	ACRE	75.00	1.00	75.00
LIME	TON	14.00	1.00	14.00
CUSTOM SPRIGGING	ACRE	20.00	1.00	20.00
HERBICIDE	ACRE	6.16	1.00	6.16
MACHINERY	ACRE	2.33	1.00	2.33
TRACTORS	ACRE	4.73	1.00	4.73
LABOR(TRACTOR & MACHINERY)	HOUR	2.65	2.74	7.27
INTEREST CN OP. CAP.	DOL.	0.10	40.93	<u>4.09</u>
SUBTOTAL, PRE=HARVEST				\$ 133.59
HARVEST COSTS				\$
CUSTOM BALING	BALE	0.50	139.00	69.50
CUSTOM HAULING	BALE	0.25	139.00	<u>34.75</u>
SUBTOTAL, HARVEST				\$ 104.25
TOTAL VARIABLE COST				\$ 237.84
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			59.459
4. FIXED COSTS				\$
MACHINERY	ACRE	2.91	1.00	2.91
TRACTORS	ACRE	4.31	1.00	4.31
LAND (NET RENT)	ACRE	8.00	1.00	<u>8.00</u>
TOTAL FIXED COSTS				\$ 15.22
5. TOTAL COSTS				\$ 253.06
6. BREAKEVEN PRICE, TOTAL COSTS	TON			63.265

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COASTAL BERMUDAGRASS ESTABLISHMENT, DRYLAND, DEEP EAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, FIXED	
						LUB., REP. PER ACRE	COSTS PER ACRE
OFFSET DISC	3,34	JAN	1.00	0.296	0.197	1.51	1.68
TANDEM DISC	5,36	JAN	1.00	0.464	0.309	1.12	1.25
PICKUP	10	JAN	0.10	0.125	0.100	0.22	0.12
TANDEM DISC	5,36	FEB	1.00	0.464	0.309	1.12	1.25
PICKUP	10	FEB	0.10	0.125	0.100	0.22	0.12
SPRAYER, HERB.	5,62	MAR	1.00	0.388	0.258	1.04	1.31
PICKUP	10	MAR	0.10	0.125	0.100	0.22	0.12
SPRAYER, HERB.	5,63	MAY	1.00	0.258	0.172	0.71	0.91
PICKUP	10	MAY	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JUNE	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JULY	0.10	0.125	0.100	0.22	0.12
PICKUP	10	AUG	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.22</u>	<u>0.12</u>
TOTALS				2.744	1.946	7.06	7.22

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PROJECTED 1978

BUDGET IDENTIFICATION NUMBER ~~---~~ 8340200012000 0
ANNUAL CAPITAL MONTH 8

COASTAL BERMUDAGRASS HAY, DRYLAND, DEEP EAST TEXAS 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	8.30	<u>415.00</u>
TOTAL				\$ 415.00
2. VARIABLE COSTS				\$
PREHARVEST				
FERT(400-100-200)	ACRE	114.00	1.00	114.00
LIME	TON	14.00	0.30	4.20
MACHINERY	ACRE	1.33	1.00	1.33
LABOR(TRACTOR & MACHINERY)	HOURL	2.65	0.75	1.99
INTEREST ON OP. CAP.	DOL.	0.10	37.11	<u>3.71</u>
SUBTOTAL, PRE-HARVEST				\$ 125.22
HARVEST COSTS				\$
CUSTOM BALING	BALE	0.50	291.00	145.50
CUSTOM HAULING	BALE	0.25	291.00	<u>72.75</u>
SUBTOTAL, HARVEST				\$ 218.25
TOTAL VARIABLE COST				\$ 343.47
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			41.383
4. FIXED COSTS				\$
MACHINERY	ACRE	0.71	1.00	0.71
TRACTORS	ACRE	0.0	1.00	0.0
PRORATED ESTAB. COST	ACRE	41.38	0.07	2.90
LAND (NET RENT)	ACRE	10.00	1.00	<u>10.00</u>
TOTAL FIXED COSTS				\$ 13.61
5. TOTAL COSTS				\$ 357.08
6. BREAKEVEN PRICE, TOTAL COSTS	TON			43.022

ESTABLISHMENT COST PRORATED OVER 15 YEARS. HERBICIDE AT \$2.25/ACRE
EVERY OTHER YEAR.

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COASTAL BERMUDAGRASS HAY, DRYLAND, DEEP EAST TEXAS 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	APR	0.10	0.125	0.100	0.22	0.12
PICKUP	10	MAY	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JUNE	0.10	0.125	0.100	0.22	0.12
PICKUP	10	JULY	0.10	0.125	0.100	0.22	0.12
PICKUP	10	AUG	0.10	0.125	0.100	0.22	0.12
PICKUP	10	SEPT	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.22</u>	<u>0.12</u>
TOTALS				0.750	0.600	1.33	0.71

ESTABLISHMENT COST PRORATED OVER 15 YEARS. HERBICIDE AT \$2.25/ACRE
EVERY OTHER YEAR.

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PROJECTED 1978

BUDGET IDENTIFICATION NUMBER--- 8360200022000 0
ANNUAL CAPITAL MONTH 9