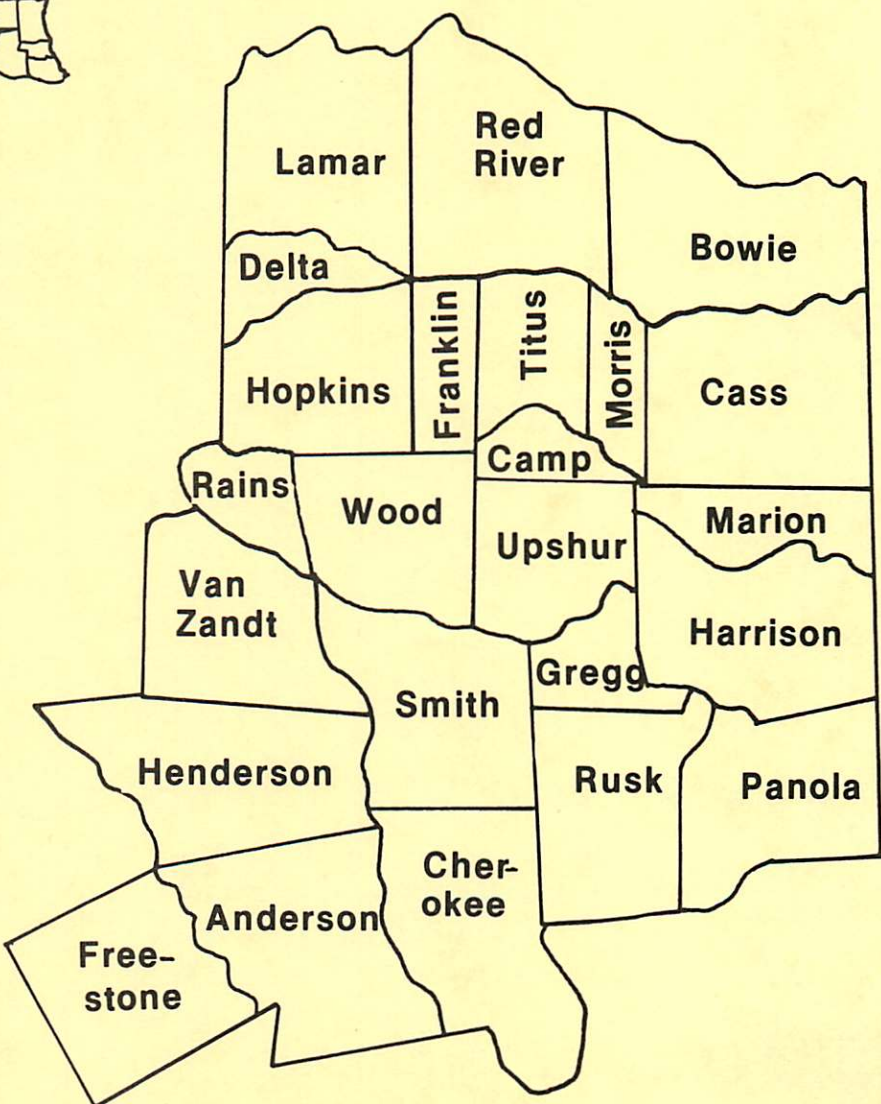
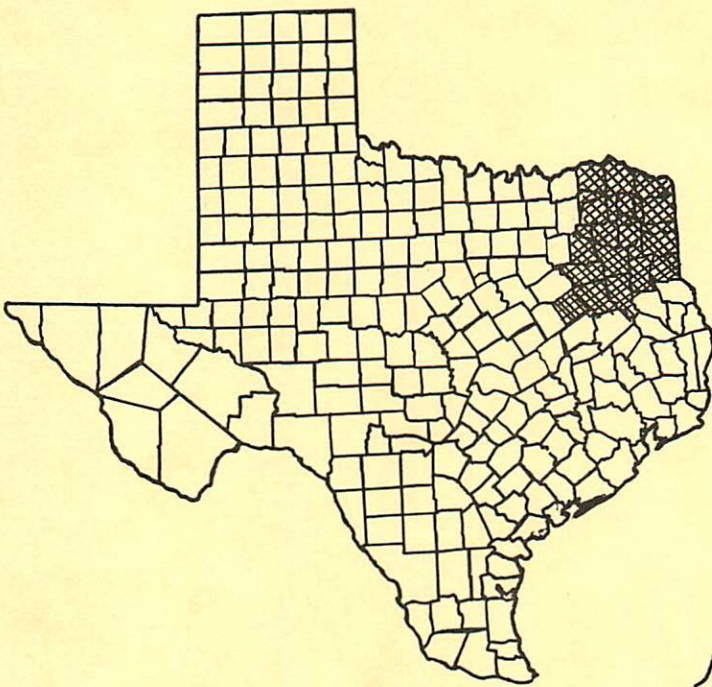


# NORTH EAST TEXAS

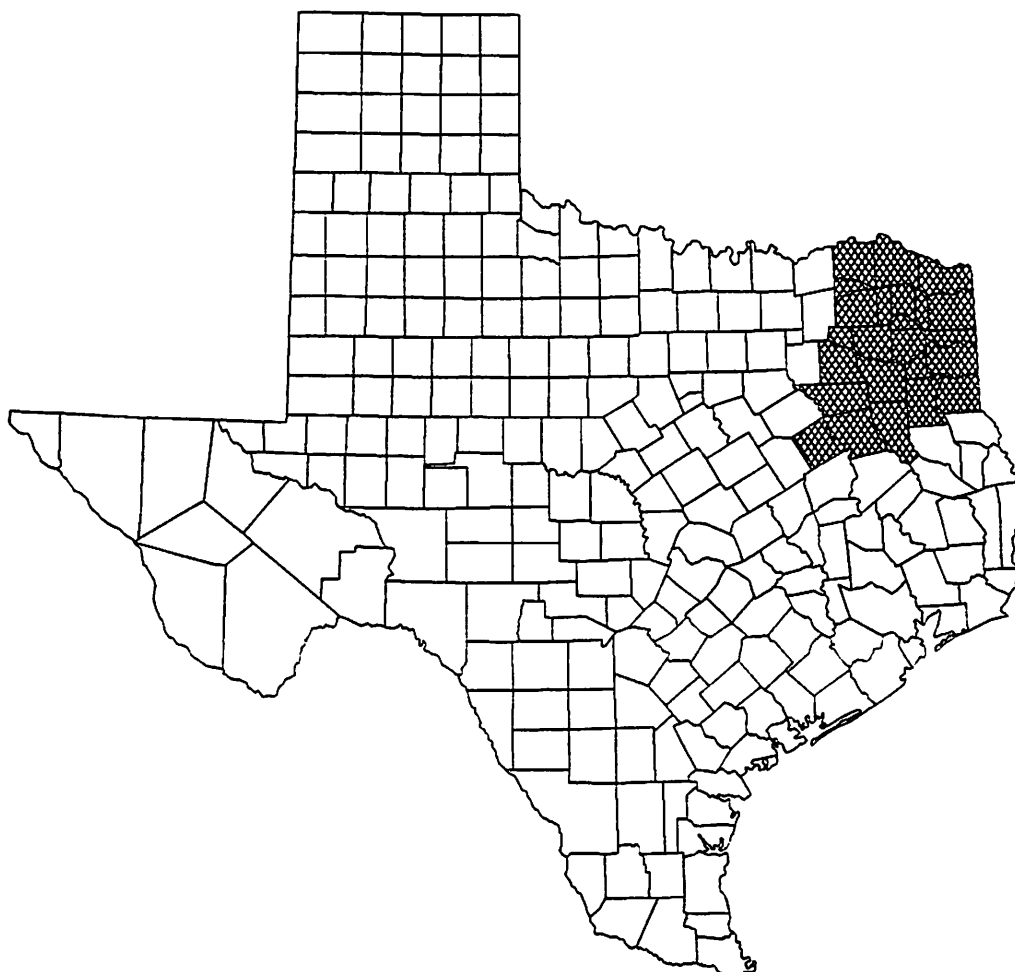
SOIL RESOURCE AREA 11



# TEXAS CROP ENTERPRISE BUDGETS

## NORTHEAST TEXAS REGION

Projected for 1985



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**CORN, NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CORN	85.00	BU.	2.80	238.00	_____
DEFICIENCY PMT.	85.00	BU.	0.47	39.95	_____
TOTAL PROJECTED RETURNS				\$ 277.95	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN	120.00	LB.	0.25	30.00	_____
*PHOSPHATE	80.00	LB.	0.30	24.00	_____
*POTASH	80.00	LB.	0.15	12.00	_____
*SEED	28.00	LB.	1.20	33.60	_____
*HERBICIDE	0.60	ACRE	20.00	12.00	_____
FUEL & LUBE--TRACTOR		ACRE		12.32	_____
EQUIPMENT		ACRE		1.45	_____
REPAIRS-----TRACTOR		ACRE		3.35	_____
EQUIPMENT		ACRE		1.13	_____
LABOR-----MACHINERY	2.73	HOUR	5.50	15.03	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	41.78	DOL.	0.140	5.85	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 153.26	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	85.00	BU.	0.30	25.50	_____
CUSTOM HAUL	85.00	BU.	0.25	21.25	_____
SUBTOTAL, HARVEST		ACRE		\$ 46.75	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 200.01	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.88/BU.	CORN	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 77.94	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.21	_____
EQUIPMENT		ACRE		10.25	_____
LAND---NET SHARE-RENT		ACRE		41.30	_____
TOTAL FIXED COSTS		ACRE		\$ 83.76	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 283.77	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 2.87/BU.	CORN	
6. NET PROJECTED RETURNS		ACRE		\$ -5.82	\$ _____

LAND RENT BASED ON 1/4 GROSS LESS 1/4 OF FERTILIZER, HARVEST AND HAUL.  
 PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT  
 BASED ON COMPLIANCE WITH GOVERNMENT SET ASIDE PROGRAM.

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS  
 NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY  
 ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE  
 COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL  
 EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

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CORN, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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)	T	3,31	OCT	1.00	0.277	0.210	1.90	1.52	0.0	5.46	8.88
MB PLOW(4B)	T	3,37	FEB	1.00	0.571	0.432	4.09	3.14	0.0	7.91	15.14
TANDEM DISC	T	4,34	FEB	1.00	0.224	0.170	1.10	1.23	0.0	3.74	6.08
LISTER-BEDDER	T	3,47	MAR	1.00	0.227	0.172	1.58	1.25	0.0	3.07	5.90
RENTD.FERT.APPL1		5,86	MAR	1.00	0.104	0.079	0.26	0.57	46.00	0.78	47.61
PLANTER	T	3,39	MAR	1.00	0.303	0.230	2.20	1.67	33.60	4.41	41.87
SPRAYER	T	4,49	MAR	1.20	0.378	0.286	1.83	2.08	12.00	6.67	22.57
TANDEM DISC	T	4,34	MAR	1.00	0.224	0.170	1.10	1.23	0.0	3.74	6.08
RENTD.FERT.APPL1		5,86	APR	1.00	0.104	0.079	0.26	0.57	20.00	0.78	21.61
TOOL BAR CULT.	T	3,43	MAY	1.00	0.322	0.244	2.25	1.77	0.0	4.09	8.11
TOTALS					2.734	2.071	16.57	15.03	111.60	40.66	183.87

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF CORN	BU.	PRICE OF CORN (DOLLARS)				
		2.24	2.52	2.80	3.08	3.36
68.00		-26.60	-12.32	1.96	16.24	30.52
76.50		-12.83	3.24	19.30	35.37	51.43
85.00		0.94	18.79	36.64	54.49	72.34
93.50		14.71	34.35	53.98	73.62	93.25
102.00		28.48	49.90	71.32	92.74	114.16

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

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**CORN, NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CORN	125.00	BU.	2.80	350.00	_____
DEFICIENCY PMT.	125.00	BU.	0.47	58.75	_____
TOTAL PROJECTED RETURNS				\$ 408.75	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN	160.00	LB.	0.25	40.00	_____
*PHOSPHATE	80.00	LB.	0.30	24.00	_____
*POTASH	80.00	LB.	0.15	12.00	_____
*SEED	28.00	LB.	1.20	33.60	_____
*HERBICIDE	1.00	ACRE	20.00	20.00	_____
INSECTICIDE	1.00	ACRE	8.00	8.00	_____
FUEL & LUBE--TRACTOR		ACRE		8.48	_____
EQUIPMENT		ACRE		1.45	_____
REPAIRS-----TRACTOR		ACRE		2.22	_____
EQUIPMENT		ACRE		1.33	_____
LABOR-----MACHINERY	1.86	HOUR	5.50	10.23	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	41.20	DOL.	0.140	5.77	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 169.60	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	125.00	BU.	0.30	37.50	_____
CUSTOM HAUL	125.00	BU.	0.25	31.25	_____
SUBTOTAL, HARVEST		ACRE		\$ 68.75	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 238.35	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.44/BU.	CORN	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 170.40	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		22.78	_____
EQUIPMENT		ACRE		5.16	_____
LAND---NET SHARE-RENT		ACRE		64.00	_____
TOTAL FIXED COSTS		ACRE		\$ 91.94	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 330.28	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 2.17/BU.	CORN	
6. NET PROJECTED RETURNS		ACRE		\$ 78.47	\$ _____

LAND RENT BASED ON 1/4 GROSS LESS 1/4 OF FERTILIZER, INSECTICIDE, HARVEST AND HAUL. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOVERNMENT SET ASIDE PROGRAM.

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CORN, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

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	
TANDEM DISC	H	4,68	SEPT	0.67	0.152	0.115	0.82	0.84	0.0	2.34	3.99
MB PLOW(4B)	H	3,71	FEB	0.33	0.220	0.167	1.56	1.21	0.0	2.86	5.63
TANDEM DISC	H	4,68	FEB	1.00	0.227	0.172	1.22	1.25	0.0	3.49	5.96
ROLL. CULT	H	3,94	MAR	1.00	0.275	0.208	1.85	1.51	0.0	3.28	6.65
PLANTER	H	3,73	MAR	1.00	0.248	0.188	1.95	1.36	33.60	3.78	40.70
SPRAYER	H	4,83	MAR	1.20	0.447	0.338	2.18	2.46	20.00	6.08	30.72
TANDEM DISC	H	68	MAR	1.00	0.0	0.172	0.18	0.0	0.0	0.59	0.77
TOOL BAR CULT.	H	3,77	MAY	1.00	0.291	0.221	2.04	1.60	0.0	3.70	7.34
TOTALS					1.860	1.580	11.80	10.23	53.60	26.13	101.76

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)				
		2.24	2.52	2.80	3.08	3.36
QUANTITY OF CORN	BU.					
	100.00	13.40	34.40	55.40	76.40	97.40
	112.50	33.65	57.28	80.90	104.53	128.15
	125.00	53.90	80.15	106.40	132.65	158.90
	137.50	74.15	103.03	131.90	160.78	189.65
	150.00	94.40	125.90	157.40	188.90	220.40

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**COTTON, NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	350.00	LB.	0.53	185.50	_____
COTTONSEED	0.28	TON	90.00	25.20	_____
DEFICIENCY PMT.	350.00	LB.	0.19	66.50	_____
TOTAL PROJECTED RETURNS				\$ 277.20	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN	50.00	LB.	0.25	12.50	_____
*PHOSPHATE	40.00	LB.	0.30	12.00	_____
*POTASH	40.00	LB.	0.15	6.00	_____
*SEED	24.00	LB.	0.42	10.08	_____
*HERBICIDE	1.00	ACRE	16.00	16.00	_____
*INSECTICIDE	5.00	APPL	9.00	45.00	_____
FUEL & LUBE---TRACTOR		ACRE		16.95	_____
EQUIPMENT		ACRE		2.91	_____
REPAIRS-----TRACTOR		ACRE		3.76	_____
EQUIPMENT		ACRE		2.16	_____
LABOR-----MACHINERY	5.40	HOUR	5.50	29.72	_____
EQUIPMENT	1.26	HOUR	4.00	5.04	_____
OPERATING CAPITAL	51.36	DOL.	0.140	7.19	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 169.32	\$ _____
HARVEST COSTS					
DEFOLIANT	1.00	ACRE	7.81	7.81	_____
STRIP & HAUL	13.30	CWT.	5.00	66.50	_____
COTTON GINNING	13.30	CWT.	1.50	19.95	_____
BAGS, TAGS, ETC.	0.70	BALE	10.00	7.00	_____
HAUL, COMP&EDUC	0.70	BALE	19.30	13.51	_____
SUBTOTAL, HARVEST		ACRE		\$ 114.77	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 284.08	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.55/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -6.89	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		54.84	_____
EQUIPMENT		ACRE		11.63	_____
LAND---NET SHARE-RENT		ACRE		45.44	_____
TOTAL FIXED COSTS		ACRE		\$ 111.91	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 395.99	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.87/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ -118.79	\$ _____

LAND RENT BASED ON 1/4 OF FERT, INSECT, AND GINNING. PRICE BASED ON LOAN RATE ADJUSTED FOR QUALITY. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

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COTTON, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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	
TOOL BAR CULT.	T	3,44	NOV	1.00	0.214	0.162	1.52	1.18	0.0	2.78	5.47
SHREDDER(4R)	T	4,31	NOV	1.00	0.277	0.210	1.33	1.52	0.0	5.74	8.58
TOOL BAR CULT.	T	3,44	FEB	1.00	0.214	0.162	1.52	1.18	0.0	2.78	5.47
RENTD.FERT.APPL1		4,86	MAR	1.00	0.104	0.079	0.48	0.57	30.50	1.33	32.88
MB PLOW(3B)	T	4,38	MAR	1.00	0.756	0.573	3.73	4.16	0.0	10.95	18.84
LISTER-BEDDER	T	3,47	MAR	1.00	0.227	0.172	1.58	1.25	0.0	3.07	5.90
PLANTER	T	4,39	APR	1.20	0.364	0.276	1.87	2.00	10.08	5.66	19.62
SPRAYER	H	5,83	APR	1.00	0.372	0.282	1.03	2.05	16.00	3.10	22.18
TOOL BAR CULT.	T	4,43	MAY	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
SPRAYER	H	5,83	MAY	2.00	0.744	0.564	2.07	4.09	18.00	6.21	30.37
TOOL BAR CULT.	T	4,43	JUNE	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
SPRAYER	H	5,83	JUNE	2.00	0.744	0.564	2.07	4.09	9.00	6.21	21.37
SPRAYER	H	5,83	JULY	2.00	0.744	0.564	2.07	4.09	18.00	6.21	30.37
TOTALS					5.404	4.094	22.42	29.72	101.58	62.86	216.58

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 COTTON LINT (DOLLARS)				
		0.42	0.48	0.53	0.58	0.64
QUANTITY OF COTTON LINT	280.00	-95.77	-84.64	-73.51	-62.38	-51.25
	315.00	-87.96	-75.44	-62.92	-50.39	-37.87
	350.00	-80.15	-66.23	-52.32	-38.41	-24.50
	385.00	-72.34	-57.03	-41.73	-26.43	-11.12
	420.00	-64.53	-47.83	-31.14	-14.44	2.25

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



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**COTTON, NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	500.00	LB.	0.53	265.00	_____
COTTONSEED	0.40	TON	90.00	36.00	_____
DEFICIENCY PMT.	500.00	LB.	0.19	95.00	_____
TOTAL PROJECTED RETURNS				\$ 396.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN	80.00	LB.	0.25	20.00	_____
*PHOSPHATE	60.00	LB.	0.30	18.00	_____
*POTASH	60.00	LB.	0.15	9.00	_____
*SEED	24.00	LB.	0.42	10.08	_____
*HERBICIDE	1.00	ACRE	16.00	16.00	_____
*INSECTICIDE	6.00	APPL	9.00	54.00	_____
FUEL & LUBE--TRACTOR		ACRE		16.03	_____
EQUIPMENT		ACRE		2.10	_____
REPAIRS-----TRACTOR		ACRE		3.43	_____
EQUIPMENT		ACRE		2.67	_____
LABOR-----MACHINERY	5.80	HOUR	5.50	31.91	_____
EQUIPMENT	0.91	HOUR	4.00	3.64	_____
OPERATING CAPITAL	56.04	DOL.	0.140	7.85	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 194.71	\$ _____
HARVEST COSTS					
DEFOLIANT	1.00	ACRE	7.81	7.81	_____
STRIP & HAUL	19.00	CWT.	5.00	95.00	_____
COTTON GINNING	19.00	CWT.	1.50	28.50	_____
HAUL, COMP&EDUC	1.00	BALE	19.30	19.30	_____
BAGS, TAGS, ETC.	1.00	BALE	10.00	10.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 160.61	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 355.32	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.45/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 40.68	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		54.39	_____
EQUIPMENT		ACRE		9.42	_____
LAND---NET SHARE-RENT		ACRE		66.62	_____
TOTAL FIXED COSTS		ACRE		\$ 130.43	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 485.76	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.71/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ -89.76	\$ _____

LAND RENT BASED ON 1/4 OF GROSS LESS 1/4 OF FERT, INSECT, AND GINNING.  
 PRICE BASED ON LOAN RATE ADJUSTED FOR QUALITY. DEFICIENCY PAYMENT  
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COTTON, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

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	
TANDEM DISC	H	4,68	FEB	1.00	0.227	0.172	1.22	1.25	0.0	3.49	5.96
LISTER-BEDDER	H	3,81	MAR	1.00	0.310	0.235	2.18	1.71	0.0	3.96	7.85
PLANTER	H	4,73	APR	1.20	0.298	0.226	1.72	1.64	10.08	4.84	18.28
SPRAYER	H	5,83	APR	2.00	0.744	0.564	2.07	4.09	25.00	6.21	37.37
TOOL BAR CULT.	H	4,77	MAY	1.00	0.291	0.221	1.43	1.60	0.0	4.00	7.03
SPRAYER	H	5,83	MAY	2.00	0.744	0.564	2.07	4.09	18.00	6.21	30.37
TOOL BAR CULT.	H	4,77	JUNE	1.00	0.291	0.221	1.43	1.60	0.0	4.00	7.03
SPRAYER	H	5,83	JUNE	3.00	1.117	0.846	3.10	6.14	18.00	9.31	36.55
SPRAYER	H	5,83	JULY	3.00	1.117	0.846	3.10	6.14	9.00	9.31	27.55
TANDEM DISC	H	4,68	OCT	0.66	0.150	0.113	0.81	0.82	0.0	2.31	3.93
MB PLOW(3B)	H	4,72	OCT	0.33	0.292	0.221	1.42	1.60	0.0	4.02	7.04
SHREDDER(4R)	H	4,65	OCT	1.00	0.222	0.168	1.26	1.22	0.0	3.54	6.02
TOTALS					5.802	4.395	21.81	31.91	80.08	61.20	195.00

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 COTTON LINT (DOLLARS)				
		0.42	0.48	0.53	0.58	0.64
QUANTITY OF COTTON LINT	LB.					
	400.00	-88.01	-72.11	-56.21	-40.31	-24.41
	450.00	-76.86	-58.97	-41.08	-23.19	-5.31
	500.00	-65.70	-45.82	-25.95	-6.07	13.80
	550.00	-54.54	-32.68	-10.82	11.05	32.91
	600.00	-43.38	-19.53	4.32	28.17	52.02

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

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**GRAIN SORGHUM, NORTHEAST TEXAS REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**  
**TYPICAL MANAGEMENT**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	40.00	CWT.	4.44	177.60	_____
DEFICIENCY PMT.	40.00	CWT.	0.82	32.80	_____
TOTAL PROJECTED RETURNS				\$ 210.40	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN	100.00	LB.	0.25	25.00	_____
*PHOSPHATE	80.00	LB.	0.30	24.00	_____
*POTASH	80.00	LB.	0.15	12.00	_____
*SEED	7.20	LB.	0.75	5.40	_____
*HERBICIDE	1.00	ACRE	17.00	17.00	_____
*INSECTICIDE	1.00	APPL	9.00	9.00	_____
FUEL & LUBE--TRACTOR		ACRE		15.63	_____
EQUIPMENT		ACRE		1.46	_____
REPAIRS-----TRACTOR		ACRE		4.13	_____
EQUIPMENT		ACRE		1.49	_____
LABOR-----MACHINERY	3.46	HOUR	5.50	19.01	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	34.72	DOL.	0.140	4.86	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 141.51	\$ _____
HARVEST COSTS					
CUSTOM HARV/HAUL	40.00	CWT.	0.67	26.80	_____
SUBTOTAL, HARVEST		ACRE		\$ 26.80	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 168.31	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.39/CWT.		GRAIN SORGHUM
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 42.09	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		41.75	_____
EQUIPMENT		ACRE		13.85	_____
LAND---NET SHARE-RENT		ACRE		36.78	_____
TOTAL FIXED COSTS		ACRE		\$ 92.38	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 260.69	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 5.70/CWT.		GRAIN SORGHUM
6. NET PROJECTED RETURNS		ACRE		\$ -50.29	\$ _____

LAND RENT BASED ON 30% OF GROSS LESS 30% OF FERT, HARVEST, HAUL.  
 PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY  
 PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS  
 NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY  
 ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE  
 COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL  
 EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

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GRAIN SORGHUM, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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	
MB PLOW(3B)	T	3,38	AUG	1.00	0.756	0.573	5.31	4.16	0.0	10.18	19.66
SHREDDER(4R)	T	4,31	AUG	1.00	0.277	0.210	1.33	1.52	0.0	5.74	8.58
MB PLOW(3B)	T	3,38	SEPT	1.00	0.756	0.573	5.31	4.16	0.0	10.18	19.66
LISTER-BEDDER	T	3,47	SEPT	1.00	0.227	0.172	1.58	1.25	0.0	3.07	5.90
LISTER-BEDDER	T	3,47	DEC	1.00	0.227	0.172	1.58	1.25	0.0	3.07	5.90
RENTD.FERT.APPL	1	5,86	MAR	1.00	0.104	0.079	0.26	0.57	61.00	0.78	62.61
SPRAYER	T	4,49	MAR	1.20	0.378	0.286	1.83	2.08	17.00	6.67	27.57
PLANT-CULT	T	58	MAR	1.20	0.0	0.286	0.27	0.0	5.40	2.46	8.13
TOOL BAR CULT.	T	4,43	APR	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
SPRAYER	T	4,49	JUNE	1.30	0.409	0.310	1.98	2.25	9.00	7.22	20.46
TOTALS					3.457	2.905	21.03	19.01	92.40	53.79	186.24

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAIN SORGHUM	PRICE OF GRAIN SORGHUM (DOLLARS)				
	3.55	4.00	4.44	4.88	5.33
CWT.					
32.00	-40.28	-30.34	-20.39	-10.45	-0.50
36.00	-29.92	-18.73	-7.54	3.65	14.84
40.00	-19.55	-7.12	5.31	17.74	30.18
44.00	-9.19	4.49	18.16	31.84	45.52
48.00	1.18	16.10	31.02	45.94	60.85

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

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**GRAIN SORGHUM, NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	60.00	CWT.	4.44	266.40	_____
DEFICIENCY PMT.	60.00	CWT.	0.82	49.20	_____
TOTAL PROJECTED RETURNS				\$ 315.60	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*NITROGEN	140.00	LB.	0.25	35.00	_____
*PHOSPHATE	80.00	LB.	0.30	24.00	_____
*POTASH	80.00	LB.	0.15	12.00	_____
*SEED	7.20	LB.	0.75	5.40	_____
*HERBICIDE	1.00	ACRE	17.00	17.00	_____
*INSECTICIDE	2.00	APPL	9.00	18.00	_____
FUEL & LUBE---TRACTOR		ACRE		10.24	_____
EQUIPMENT		ACRE		1.46	_____
REPAIRS-----TRACTOR		ACRE		2.32	_____
EQUIPMENT		ACRE		1.43	_____
LABOR-----MACHINERY	2.46	HOUR	5.50	13.54	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	24.72	DOL.	0.140	3.46	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 146.37	\$ _____
HARVEST COSTS					
CUSTOM HARV/HAUL	60.00	CWT.	0.67	40.20	_____
SUBTOTAL, HARVEST		ACRE		\$ 40.20	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 186.57	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.29/CWT.		GRAIN SORGHUM
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 129.03	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.94	_____
EQUIPMENT		ACRE		7.05	_____
LAND---NET SHARE-RENT		ACRE		61.32	_____
TOTAL FIXED COSTS		ACRE		\$ 99.32	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 285.89	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 3.94/CWT.		GRAIN SORGHUM
6. NET PROJECTED RETURNS		ACRE		\$ 29.71	\$ _____

LAND RENT BASED ON 30% OF GROSS LESS 30% OF FERT, HARVEST, HAUL.  
 PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY  
 PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

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GRAIN SORGHUM, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

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	
MB PLOW(3B)	H	3,72	AUG	0.33	0.292	0.221	2.03	1.60	0.0	3.72	7.36
TANDEM DISC	H	4,68	AUG	0.67	0.152	0.115	0.82	0.84	0.0	2.34	3.99
TANDEM DISC	H	4,68	DEC	1.00	0.227	0.172	1.22	1.25	0.0	3.49	5.96
LISTER-BEDDER	H	3,81	DEC	1.00	0.310	0.235	2.18	1.71	0.0	3.96	7.85
SPRAYER	H	4,83	MAR	1.20	0.447	0.338	2.18	2.46	17.00	6.08	27.72
PLANT-CULT	T	58	MAR	1.20	0.0	0.286	0.27	0.0	5.40	2.46	8.13
TOOL BAR CULT.	H	4,77	APR	1.00	0.291	0.221	1.43	1.60	0.0	4.00	7.03
SPRAYER	H	4,83	JUNE	2.00	0.744	0.564	3.63	4.09	9.00	10.13	26.86
TOTALS					2.463	2.152	13.76	13.54	31.40	36.19	94.90

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 GRAIN SORGHUM (DOLLARS)				
		3.55	4.00	4.44	4.88	5.33
QUANTITY OF GRAIN SORGHUM	CWT.					
	48.00	-0.68	14.23	29.15	44.07	58.99
	54.00	14.86	31.65	48.43	65.21	82.00
	60.00	30.41	49.06	67.71	86.36	105.01
	66.00	45.96	66.47	86.99	107.50	128.01
	72.00	61.51	83.89	106.26	128.64	151.02

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

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**HAY PRODUCTION (COASTAL BERMUDAGRASS ESTABLISHMENT), NORTHEAST TEXAS REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**  
**TYPICAL MANAGEMENT**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS				\$ 0.0	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
FERT (N) APPL'D	60.00	LB.	0.25	15.00	_____
FERT (P) APPL'D	40.00	LB.	0.30	12.00	_____
FERT (K) APPL'D	40.00	LB.	0.15	6.00	_____
*SPRIGS	1.00	ACRE	20.00	20.00	_____
*HERBICIDE	1.00	ACRE	7.00	7.00	_____
FUEL & LUBE--TRACTOR		ACRE		2.37	_____
EQUIPMENT		ACRE		2.43	_____
REPAIRS-----TRACTOR		ACRE		0.47	_____
EQUIPMENT		ACRE		0.60	_____
LABOR-----MACHINERY	0.76	HOUR	5.50	4.20	_____
EQUIPMENT	1.05	HOUR	4.00	4.20	_____
OPERATING CAPITAL	30.06	DOL.	0.140	4.21	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 78.48	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 78.48	\$ _____
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -78.48	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		8.12	_____
EQUIPMENT		ACRE		6.27	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
TOTAL FIXED COSTS		ACRE		\$ 34.39	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 112.88	\$ _____
6. NET PROJECTED RETURNS		ACRE		\$ -112.88	\$ _____

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507 HAY PRODUCTION (COASTAL BERMUDAGRASS ESTABLISHMENT), NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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	
TANDEM DISC	T	4,34	MAR	2.00	0.449	0.340	2.21	2.47	20.00	7.49	32.16
SPRAYER	T	5,49	APR	1.00	0.315	0.239	0.86	1.73	7.00	3.90	13.49
TOTALS				0.763	0.578	3.07	4.20	27.00	11.38	45.65	



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**HAY PRODUCTION (COASTAL BERMUDAGRASS), NORTHEAST TEXAS REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**  
**TYPICAL MANAGEMENT**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	210.00	BALE	2.00	420.00	_____
TOTAL PROJECTED RETURNS				\$ 420.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
FERT (N) APPL'D	240.00	LB.	0.25	60.00	_____
FERT (P) APPL'D	100.00	LB.	0.30	30.00	_____
FERT (K) APPL'D	130.00	LB.	0.15	19.50	_____
*HERBICIDE	0.50	ACRE	7.00	3.50	_____
FUEL & LUBE--TRACTOR		ACRE		0.32	_____
EQUIPMENT		ACRE		1.13	_____
REPAIRS-----TRACTOR		ACRE		0.07	_____
EQUIPMENT		ACRE		0.22	_____
LABOR-----MACHINERY	0.16	HOUR	5.50	0.87	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	-17.22	DOL.	0.140	-2.41	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 115.15	\$ _____
HARVEST COSTS					
CUSTOM BALING	210.00	BALE	0.45	94.50	_____
CUSTOM HAULING	210.00	BALE	0.30	63.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 157.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 272.65	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS				\$ 1.30/BALE HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 147.35	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		1.19	_____
EQUIPMENT		ACRE		2.17	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
PRORATED ESTABL	112.88	DOL.	0.10	11.29	_____
TOTAL FIXED COSTS		ACRE		\$ 34.64	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 307.29	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS				\$ 1.46/BALE HAY	
6. NET PROJECTED RETURNS		ACRE		\$ 112.71	\$ _____

ESTABLISHMENT COST PRORATED OVER 10 YEARS. HAY SOLD IN FIELD.

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508 HAY PRODUCTION (COASTAL BERMUDAGRASS), NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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	
SPRAYER	T	5,49	MAR	0.50	0.157	0.119	0.43	0.87	3.50	1.95	6.74
TOTALS				0.157	0.119	0.43	0.87	3.50	1.95	6.74	

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF HAY	BALE	PRICE OF HAY (DOLLARS)				
		1.60	1.80	2.00	2.20	2.40
168.00		27.65	61.25	94.85	128.45	162.05
189.00		45.50	83.30	121.10	158.90	196.70
210.00		63.35	105.35	147.35	189.35	231.35
231.00		81.20	127.40	173.60	219.80	266.00
252.00		99.05	149.45	199.85	250.25	300.65

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HAY PRODUCTION (COASTAL BERMUDAGRASS ESTABLISHMENT), NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	70.00	BALE	2.00	140.00	_____
TOTAL PROJECTED RETURNS				\$ 140.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
FERT (N) APPL'D	180.00	LB.	0.25	45.00	_____
FERT (P) APPL'D	80.00	LB.	0.30	24.00	_____
FERT (K) APPL'D	80.00	LB.	0.15	12.00	_____
*SPRIGS	1.00	ACRE	20.00	20.00	_____
*HERBICIDE	1.00	ACRE	7.00	7.00	_____
FUEL & LUBE--TRACTOR		ACRE		3.09	_____
EQUIPMENT		ACRE		1.46	_____
REPAIRS-----TRACTOR		ACRE		0.87	_____
EQUIPMENT		ACRE		0.69	_____
LABOR-----MACHINERY	0.83	HOUR	5.50	4.54	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	53.76	DOL.	0.140	7.53	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 128.69	\$ _____
HARVEST COSTS					
CUSTOM BALING	70.00	BALE	0.45	31.50	_____
CUSTOM HAULING	70.00	BALE	0.30	21.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 52.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 181.19	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.59/BALE HAY		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -41.19	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		8.16	_____
EQUIPMENT		ACRE		3.28	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
TOTAL FIXED COSTS		ACRE		\$ 31.44	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 212.63	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 3.04/BALE HAY		
6. NET PROJECTED RETURNS		ACRE		\$ -72.63	\$ _____

HAY SOLD IN FIELD.

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509 HAY PRODUCTION (COASTAL BERMUDAGRASS ESTABLISHMENT), NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

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	
TANDEM DISC	H	3,68	MAR	2.00	0.453	0.343	3.39	2.49	20.00	6.53	32.41
SPRAYER	H	5,83	APR	1.00	0.372	0.282	1.03	2.05	7.00	3.10	13.18
TOTALS				0.825	0.625	4.42	4.54	27.00	9.63	45.59	

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF HAY	BALE	PRICE OF HAY (DOLLARS)				
		1.60	1.80	2.00	2.20	2.40
56.00		-81.09	-69.89	-58.69	-47.49	-36.29
63.00		-75.14	-62.54	-49.94	-37.34	-24.74
70.00		-69.19	-55.19	-41.19	-27.19	-13.19
77.00		-63.24	-47.84	-32.44	-17.04	-1.64
84.00		-57.29	-40.49	-23.69	-6.89	9.91

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

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**HAY PRODUCTION (COASTAL BERMUDAGRASS), NORTHEAST TEXAS REGION**  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
HAY	300.00	BALE	2.00	600.00	_____
TOTAL PROJECTED RETURNS				\$ 600.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*FERT (N) APPL'D	300.00	LB.	0.25	75.00	_____
*FERT (P) APPL'D	100.00	LB.	0.30	30.00	_____
*FERT (K) APPL'D	200.00	LB.	0.15	30.00	_____
*HERBICIDE	1.00	ACRE	7.00	7.00	_____
FUEL & LUBE--TRACTOR		ACRE		0.76	_____
EQUIPMENT		ACRE		1.62	_____
REPAIRS-----TRACTOR		ACRE		0.16	_____
EQUIPMENT		ACRE		0.36	_____
LABOR-----MACHINERY	0.37	HOUR	5.50	2.05	_____
EQUIPMENT	0.70	HOUR	4.00	2.80	_____
OPERATING CAPITAL	-28.11	DOL.	0.140	-3.93	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 145.81	\$ _____
HARVEST COSTS					
CUSTOM BALING	300.00	BALE	0.45	135.00	_____
CUSTOM HAULING	300.00	BALE	0.30	90.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 225.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 370.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.24/BALE		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 229.19	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		2.81	_____
EQUIPMENT		ACRE		2.30	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
PRORATED ESTABL	72.63	DOL.	0.10	7.26	_____
TOTAL FIXED COSTS		ACRE		\$ 32.37	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 403.19	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 1.34/BALE		
6. NET PROJECTED RETURNS		ACRE		\$ 196.81	\$ _____

ESTABLISHMENT COST PRORATED OVER 10 YEARS. HAY SOLD IN FIELD.

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

510 HAY PRODUCTION (COASTAL BERMUDAGRASS), NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 HIGH LEVEL MANAGEMENT

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	
SPRAYER	H	5,83	MAR	1.00	0.372	0.282	1.03	2.05	7.00	3.10	13.18
TOTALS					0.372	0.282	1.03	2.05	7.00	3.10	13.18

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF HAY	BALE	PRICE OF HAY (DOLLARS)				
		1.60	1.80	2.00	2.20	2.40
	240.00	58.19	106.19	154.19	202.19	250.19
	270.00	83.69	137.69	191.69	245.69	299.69
	300.00	109.19	169.19	229.19	289.19	349.19
	330.00	134.69	200.69	266.69	332.69	398.69
	360.00	160.19	232.19	304.19	376.19	448.19

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**SOYBEANS, NORTHEAST TEXAS REGION**  
**1985 PROJECTED COSTS AND RETURNS PER ACRE**  
**TYPICAL MANAGEMENT**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SOYBEANS	25.00	BU.	6.15	153.75	_____
TOTAL PROJECTED RETURNS				\$ 153.75	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*PHOSPHATE	40.00	LB.	0.30	12.00	_____
*POTASH	40.00	LB.	0.15	6.00	_____
*SEED	45.00	LB.	0.21	9.45	_____
*HERBICIDE	1.00	ACRE	15.50	15.50	_____
*INSECTICIDE	2.00	APPL	9.00	18.00	_____
FUEL & LUBE--TRACTOR		ACRE		14.10	_____
EQUIPMENT		ACRE		1.62	_____
REPAIRS-----TRACTOR		ACRE		3.85	_____
EQUIPMENT		ACRE		1.20	_____
LABOR-----MACHINERY	3.05	HOUR	5.50	16.79	_____
EQUIPMENT	0.70	HOUR	4.00	2.80	_____
OPERATING CAPITAL	33.53	DOL.	0.140	4.69	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 106.01	\$ _____
HARVEST COSTS					
CUSTOM COMBINE	1.00	ACRE	20.00	20.00	_____
CUSTOM HAUL	25.00	BU.	0.25	6.25	_____
SUBTOTAL, HARVEST		ACRE		\$ 26.25	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 132.26	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 5.29/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 21.49	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		36.56	_____
EQUIPMENT		ACRE		10.58	_____
LAND---NET SHARE-RENT		ACRE		27.37	_____
TOTAL FIXED COSTS		ACRE		\$ 74.52	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 206.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 8.27/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ -53.03	\$ _____

LAND RENT BASED ON 25% OF GROSS LESS 25% OF FERT, HARV, HAUL.

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SOYBEANS, NORTHEAST TEXAS REGION  
 1985 PROJECTED COSTS AND RETURNS PER ACRE  
 TYPICAL MANAGEMENT

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	
TANDEM DISC	T	3,34	DEC	1.00	0.224	0.170	1.57	1.23	0.0	3.52	6.32
TANDEM DISC	T	3,34	MAR	1.00	0.224	0.170	1.57	1.23	0.0	3.52	6.32
RENTD. FERT. APPL1		5,86	APR	1.00	0.104	0.079	0.26	0.57	18.00	0.78	19.61
LISTER-BEDDER	T	3,47	APR	1.00	0.227	0.172	1.58	1.25	0.0	3.07	5.90
SPRAYER	T	3,49	MAY	1.00	0.315	0.239	2.18	1.73	15.50	5.24	24.65
TOOL BAR CULT.	T	4,43	JUNE	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
PLANTER	T	3,39	JUNE	1.20	0.364	0.276	2.64	2.00	9.45	5.29	19.38
SPRAYER	T	3,49	JULY	2.00	0.630	0.477	4.36	3.46	18.00	10.48	36.30
TOOL BAR CULT.	T	4,43	JULY	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
TOOL BAR CULT.	T	4,43	AUG	1.00	0.322	0.244	1.58	1.77	0.0	4.42	7.76
TOTALS					3.053	2.313	18.90	16.79	60.95	45.14	141.79

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF SOYBEANS	PRICE OF SOYBEANS (DOLLARS)				
	4.92	5.53	6.15	6.76	7.38
20.00	-46.46	-37.23	-28.01	-18.78	-9.56
22.50	-37.70	-27.32	-16.94	-6.57	3.81
25.00	-28.94	-17.41	-5.88	5.65	17.18
27.50	-20.19	-7.50	5.18	17.86	30.55
30.00	-11.43	2.41	16.24	30.08	43.92

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