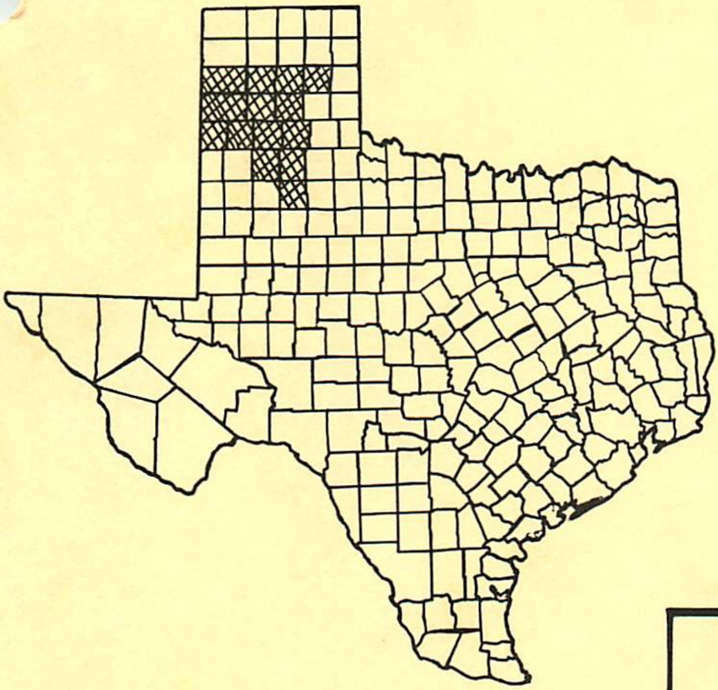
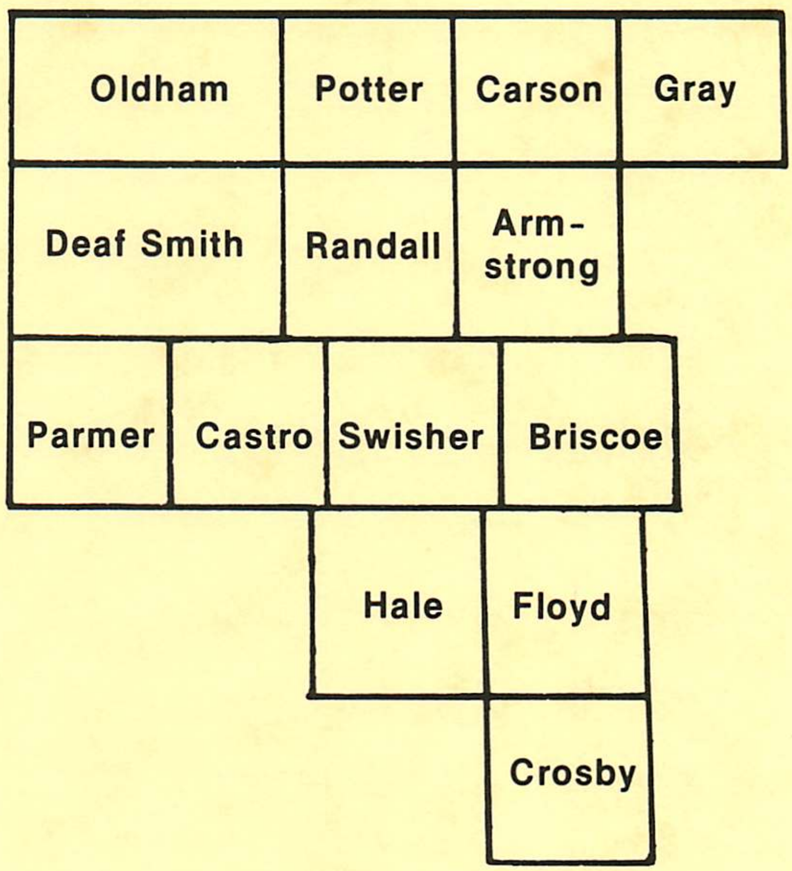
TEXAS HIGH PLAINS II

SOIL RESOURCE AREA 2





B-1241(C 2)
TEXAS AGRICULTURAL EXTENSION SERVICE . THE TEXAS A&M UNIVERSITY SYSTEM
Zerle L. Carpenter, Director . College Station, Texas

TEXAS ENTERPRISE BUDGETS

TEXAS HIGH PLAINS II REGION

Projected for 1983

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ALFALFA ESTABL., FURROW IRRIGATED (NATURAL GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS			$	0.0	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*ALFALFA SEED	15.00	LB.	2.39	35.85	________
IRRIGATION WATER	10.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.82	________
EQUIPMENT		ACRE		1.39	________
IRRIGATION		ACRE		23.80	________
REPAIRS------TRACTOR		ACRE		1.76	________
EQUIPMENT		ACRE		1.56	________
IRRIGATION		ACRE		2.80	________
LABOR--------MACHINERY	1.00	HOUR	5.50	5.48	________
IRRIGATION	1.00	HOUR	5.50	5.50	________
EQUIPMENT	0.63	HOUR	5.50	3.47	________
OPERATING CAPITAL	20.50	DOL.	0.120	2.46	________
SUBTOTAL, PREHARVEST		ACRE	$	92.88	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	$	0.0	$________
TOTAL VARIABLE COSTS		ACRE	$	92.88	$________
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	-92.88	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		12.66	________
EQUIPMENT		ACRE		5.64	________
LAND-CASH RENT	1.00	ACRE	50.00	50.00	________
IRR EQUIP (50%)	10.00	ACIN	0.53	5.30	________
TOTAL FIXED COSTS		ACRE	$	73.59	$________
5. TOTAL PROJECTED COSTS		ACRE	$	166.48	$________
6. NET PROJECTED RETURNS		ACRE	$	-166.48	$________

LAND CHARGE USES $50/ACRE LESS 50% OF IRRIGATION FIXED COSTS.

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.

ALFALFA ESTABL., FURROW IRRIGATED (NATURAL GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

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
CHISEL	1,44	JULY	1.00	0.132	0.100	1.63	0.72	0.0	2.25	4.60
OFFSET DISC	1,78	AUG	1.00	0.104	0.079	1.39	0.57	0.0	2.45	4.42
TANDEM DISC	1,40	AUG	1.00	0.208	0.158	2.38	1.15	0.0	3.33	6.86
GRAIN DRILL	1,93	AUG	1.00	0.280	0.212	3.58	1.54	35.85	4.99	45.97
PACKER	1,88	AUG	1.00	0.272	0.206	2.92	1.50	0.0	3.55	7.97
TOTALS				0.996	0.755	11.91	5.48	35.85	16.57	69.82

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	NOV	4.00	0.400	0.0	10.64	2.20	0.0	2.12	14.96
WATER APPLICATION	SEPT	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
TOTALS		10.00	1.000	0.0	26.60	5.50	0.0	5.30	37.40

ALFALFA, FURROW IRRIGATED (NATURAL GAS), TEXAS HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
HAYALFALFA	7.00	TON	60.00	420.00	________
TOTAL PROJECTED RETURNS				$ 420.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
FERT (P) APPL'D	100.00	LB.	0.10	10.00	________
IRRIGATION WATER	40.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		1.70	________
IRRIGATION		ACRE		95.20	________
REPAIRS------TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		0.28	________
IRRIGATION		ACRE		11.20	________
LABOR--------MACHINERY	0.0	HOUR	5.50	0.0	________
IRRIGATION	4.00	HOUR	5.50	22.00	________
EQUIPMENT	0.77	HOUR	5.50	4.23	________
OPERATING CAPITAL	15.55	DOL.	0.120	1.87	________
SUBTOTAL, PREHARVEST		ACRE		$ 146.48	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 146.48	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 20.93/TON		HAYALFALFA	
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 273.52	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		2.10	________
PRORATED ESTABL	166.48	DOL.	0.20	33.30	________
LAND-CASH RENT	1.00	ACRE	50.00	50.00	________
IRR EQUIP (50%)	40.00	ACIN	0.53	21.20	________
TOTAL FIXED COSTS		ACRE		$ 106.60	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 253.07	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 36.15/TON		HAYALFALFA	
6. NET PROJECTED RETURNS		ACRE		$ 166.93	$________

LAND CHARGE USES $50/ACRE LESS 50 PERCENT OF IRRIGATION FIXED COSTS.
ESTABLISHMENT COSTS PRORATED OVER 5 YEARS.

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ALFALFA, FURROW IRRIGATED (NATURAL GAS), TEXAS HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE.

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
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	FEB	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
WATER APPLICATION	MAR	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
WATER APPLICATION	APR	4.00	0.400	0.0	10.64	2.20	0.0	2.12	14.96
WATER APPLICATION	MAY	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
WATER APPLICATION	JUNE	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
WATER APPLICATION	JULY	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
WATER APPLICATION	AUG	6.00	0.600	0.0	15.96	3.30	0.0	3.18	22.44
TOTALS		40.00	4.000	0.0	106.40	22.00	0.0	21.20	149.60

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 HAYALFALFA
(DOLLARS)

QUANTITY OF HAYALFALFA	TON	48.00	54.00	60.00	66.00	72.00
	5.60	122.32	155.92	189.52	223.12	256.72
	6.30	155.92	193.72	231.52	269.32	307.12
	7.00	189.52	231.52	273.52	315.52	357.52
	7.70	223.12	269.32	315.52	361.72	407.92
	8.40	256.72	307.12	357.52	407.92	458.32

CORN FOR GRAIN, SPRINKLER IRRIGATED, (NAT.GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN	145.00	BU.	2.56	371.20	________
DEFICIENCY PMT.	145.00	BU.	0.21	30.45	________
TOTAL PROJECTED RETURNS			$	401.65	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SEED CORN/GRAIN	0.35	BAGS	48.00	16.80	________
FERT (N) APPL'D	200.00	LB.	0.14	28.00	________
FERT (P) APPL'D	60.00	LB.	0.10	6.00	________
*HERBICIDE	1.00	ACRE	12.00	12.00	________
INSECT. CORN	1.00	ACRE	30.00	30.00	________
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		10.25	________
EQUIPMENT		ACRE		1.70	________
IRRIGATION		ACRE		70.80	________
REPAIRS------TRACTOR		ACRE		2.04	________
EQUIPMENT		ACRE		1.84	________
IRRIGATION		ACRE		11.04	________
LABOR--------MACHINERY	1.16	HOUR	5.50	6.37	________
IRRIGATION	0.79	HOUR	5.50	4.36	________
EQUIPMENT	0.77	HOUR	5.50	4.23	________
OPERATING CAPITAL	36.24	DOL.	0.120	4.35	________
SUBTOTAL, PREHARVEST		ACRE	$	209.79	$________
HARVEST COSTS					
CUSTOM HARVEST	145.00	BU.	0.25	36.25	________
*CUSTOM HAULING	145.00	BU.	0.05	7.25	________
CUSTOM DRYING	145.00	BU.	0.12	17.40	________
SUBTOTAL, HARVEST		ACRE	$	60.90	$________
TOTAL VARIABLE COSTS		ACRE	$	270.69	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 1.66/BU.	CORN		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	130.96	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		14.72	________
EQUIPMENT		ACRE		9.49	________
LAND---NET SHARE-RENT		ACRE		44.68	________
IRRIG. EQUIP.	24.00	ACIN	1.61	38.64	________
TOTAL FIXED COSTS		ACRE	$	107.53	$________
5. TOTAL PROJECTED COSTS		ACRE	$	378.21	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 2.40/BU.	CORN		
6. NET PROJECTED RETURNS		ACRE	$	23.44	$________

LAND CHARGE 33% GROSS LESS 33% FERT, CHEM, GAS, HARVEST & 50% OF IRRIG FIXED COST. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOV'T SET ASIDE PROGRAM.

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CORN FOR GRAIN, SPRINKLER IRRIGATED, (NAT.GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

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	1,57	JAN	1.00	0.277	0.210	3.05	1.52	0.0	4.64	9.21
OFFSET DISC	1,43	MAR	1.00	0.104	0.079	1.39	0.57	0.0	2.45	4.42
CHISEL	1,44	MAR	2.00	0.263	0.199	3.26	1.45	0.0	4.50	9.20
OFFSET DISC	1,43	APR	1.50	0.156	0.118	2.09	0.86	0.0	3.67	6.62
HERB SPR/DISC	61	APR	1.00	0.0	0.158	0.01	0.0	12.00	0.16	12.17
LISTER-PLNT6R	1,36	MAY	1.00	0.151	0.115	1.72	0.83	16.80	2.90	22.25
CULTIVATOR 6R	1,33	MAY	1.00	0.207	0.157	2.34	1.14	0.0	3.78	7.26
TOTALS				1.159	1.036	13.86	6.37	28.80	22.10	71.13

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	3.00	0.099	0.0	10.23	0.54	0.0	4.83	15.60
WATER APPLICATION	APR	3.00	0.099	0.0	10.23	0.54	0.0	4.83	15.60
WATER APPLICATION	JUNE	4.00	0.132	0.0	13.64	0.73	0.0	6.44	20.81
WATER APPLICATION	JULY	8.00	0.264	0.0	27.28	1.45	0.0	12.88	41.61
WATER APPLICATION	AUG	6.00	0.198	0.0	20.46	1.09	0.0	9.66	31.21
TOTALS		24.00	0.792	0.0	81.84	4.36	0.0	38.64	124.84

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)

QUANTITY OF CORN (BU.)	2.05	2.30	2.56	2.82	3.07
116.00	0.83	20.72	40.62	60.52	80.41
130.50	18.68	41.07	63.45	85.83	108.22
145.00	36.54	61.41	86.28	111.15	136.02
159.50	54.40	81.75	109.11	136.47	163.83
174.00	72.25	102.10	131.94	161.79	191.63

CORN FOR GRAIN, FURROW IRRIGATED, (NAT GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN	145.00	BU.	2.56	371.20	________
DEFICIENCY PMT.	145.00	BU.	0.21	30.45	________
TOTAL PROJECTED RETURNS			$	401.65	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SEED CORN/GRAIN	0.35	BAGS	48.00	16.80	________
FERT (N) APPL'D	220.00	LB.	0.14	30.80	________
FERT (P) APPL'D	40.00	LB.	0.10	4.00	________
*HERBICIDE	1.00	ACRE	12.00	12.00	________
INSECT. CORN	1.00	ACRE	30.00	30.00	________
IRRIGATION WATER	30.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.45	________
EQUIPMENT		ACRE		2.47	________
IRRIGATION		ACRE		71.40	________
REPAIRS------TRACTOR		ACRE		2.88	________
EQUIPMENT		ACRE		2.16	________
IRRIGATION		ACRE		8.40	________
LABOR--------MACHINERY	1.63	HOUR	5.50	8.98	________
IRRIGATION	3.00	HOUR	5.50	16.50	________
EQUIPMENT	1.12	HOUR	5.50	6.16	________
OPERATING CAPITAL	51.23	DOL.	0.120	6.15	________
SUBTOTAL, PREHARVEST		ACRE	$	233.14	$________
HARVEST COSTS					
CUSTOM HARVEST	145.00	BU.	0.25	36.25	________
CUSTOM HAULING	145.00	BU.	0.05	7.25	________
CUSTOM DRYING	145.00	BU.	0.12	17.40	________
SUBTOTAL, HARVEST		ACRE	$	60.90	$________
TOTAL VARIABLE COSTS		ACRE	$	294.04	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 1.82/BU.	CORN		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	107.61	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		20.74	________
EQUIPMENT		ACRE		10.46	________
LAND---NET SHARE-RENT		ACRE		47.64	________
IRRIG. EQUIP.	30.00	ACIN	1.06	31.80	________
TOTAL FIXED COSTS		ACRE	$	110.64	$________
5. TOTAL PROJECTED COSTS		ACRE	$	404.68	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 2.58/BU.	CORN		
6. NET PROJECTED RETURNS		ACRE	$	-3.03	$________

LAND CHARGE 33% GROSS LESS 33% FERT, CHEM, GAS, HARVEST & 50% OF IRRIG FIXED COSTS. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOV'T SET ASIDE PROGRAM.

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CORN FOR GRAIN, FURROW IRRIGATED, (NAT GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

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	1,57	NOV	1.00	0.277	0.210	3.05	1.52	0.0	4.64	9.21
OFFSET DISC	1,43	NOV	1.00	0.104	0.079	1.39	0.57	0.0	2.45	4.42
CHISEL	1,44	DEC	1.00	0.132	0.100	1.63	0.72	0.0	2.25	4.60
OFFSET DISC	1,42	FEB	1.00	0.208	0.158	2.48	1.15	0.0	3.73	7.35
TANDEM DISC	1,41	FEB	1.00	0.146	0.110	1.75	0.80	0.0	2.67	5.22
HERB SPR/DISC	61	FEB	1.00	0.0	0.158	0.01	0.0	12.00	0.16	12.17
BOX FLOAT	1,60	MAR	0.50	0.216	0.164	2.30	1.19	0.0	2.91	6.40
LISTER 8 ROW	1,90	MAR	1.00	0.114	0.086	1.27	0.63	0.0	1.70	3.60
RODWEEDER	1,50	APR	1.00	0.091	0.069	1.03	0.50	0.0	1.77	3.30
BED PLNTR 8R	1,74	APR	1.00	0.152	0.115	1.90	0.83	16.80	2.92	22.46
ROLLING CULT	1,30	MAY	1.00	0.194	0.147	2.26	1.07	0.0	2.95	6.28
TOTALS				1.633	1.395	19.08	8.98	28.80	28.14	85.00

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	8.00	0.800	0.0	21.28	4.40	0.0	8.48	34.16
WATER APPLICATION	JUNE	8.00	0.800	0.0	21.28	4.40	0.0	8.48	34.16
WATER APPLICATION	JULY	8.00	0.800	0.0	21.28	4.40	0.0	8.48	34.16
WATER APPLICATION	AUG	6.00	0.600	0.0	15.96	3.30	0.0	6.36	25.62
TOTALS		30.00	3.000	0.0	79.80	16.50	0.0	31.80	128.10

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)

QUANTITY OF CORN (BU.)	2.05	2.30	2.56	2.82	3.07
116.00	-25.49	-5.59	14.31	34.20	54.10
130.50	-7.63	14.75	37.14	59.52	81.90
145.00	10.23	35.10	59.97	84.84	109.71
159.50	28.08	55.44	82.80	110.15	137.51
174.00	45.94	75.78	105.63	135.47	165.32

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

CORN FOR SILAGE, FURROW IRRIGATED, (NAT GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN SILAGE	18.00	TON	16.00	288.00	________
TOTAL PROJECTED RETURNS				$ 288.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SEED CORN/SILAGE	0.38	BAGS	54.00	20.52	________
FERT (N) APPL'D	200.00	LB.	0.14	28.00	________
*HERBICIDE	1.00	ACRE	12.00	12.00	________
IRRIGATION WATER	22.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.54	________
EQUIPMENT		ACRE		2.47	________
IRRIGATION		ACRE		52.36	________
REPAIRS------TRACTOR		ACRE		3.22	________
EQUIPMENT		ACRE		1.82	________
IRRIGATION		ACRE		6.16	________
LABOR--------MACHINERY	1.84	HOUR	5.50	10.10	________
IRRIGATION	2.20	HOUR	5.50	12.10	________
EQUIPMENT	1.12	HOUR	5.50	6.16	________
OPERATING CAPITAL	4.15	DOL.	0.120	0.50	________
SUBTOTAL, PREHARVEST		ACRE		$ 168.95	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 168.95	$________
BREAK-EVEN PRICE, VARIABLE COSTS	$ 9.39/TON	CORN SILAGE			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 119.05	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		17.24	________
EQUIPMENT		ACRE		9.83	________
LAND---NET SHARE-RENT		ACRE		52.90	________
IRRIG. EQUIP.	22.00	ACIN	1.06	23.32	________
TOTAL FIXED COSTS		ACRE		$ 103.29	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 272.25	$________
BREAK-EVEN PRICE, TOTAL COSTS	$ 15.12/TON	CORN SILAGE			
6. NET PROJECTED RETURNS		ACRE		$ 15.75	$________

LAND CHARGE 33% GROSS LESS 33%, FERT, CHEM, GAS & 50% OF IRRIG. FIXED COSTS. CROP SOLD STANDING IN FIELD. GOV'T PYMNT. NOT INCL.

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CORN FOR SILAGE, FURROW IRRIGATED, (NAT GAS), TEX HIGH PLAINS II REGN
1983 PROJECTED COSTS AND RETURNS PER ACRE

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	2,57	NOV	1.00	0.277	0.210	2.64	1.52	0.0	3.73	7.89
TANDEM DISC	2,40	NOV	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
CHISEL	2,44	DEC	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
OFFSET DISC	2,42	FEB	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
TANDEM DISC	2,40	FEB	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
HERB SPR/DISC	61	FEB	1.00	0.0	0.158	0.01	0.0	12.00	0.16	12.17
BOX FLOAT	2,60	MAR	0.50	0.216	0.164	1.98	1.19	0.0	2.19	5.36
LISTER 6R	2,54	MAR	1.00	0.151	0.115	1.44	0.83	0.0	1.64	3.90
RODWEEDER	2,50	APR	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
LISTER-PLNT6R	2,36	APR	1.00	0.151	0.115	1.49	0.83	20.52	2.40	25.25
ROLLING CULT	2,30	MAY	1.00	0.194	0.147	1.97	1.07	0.0	2.30	5.34
TOTALS				1.837	1.549	18.18	10.10	32.52	24.02	84.82

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	6.00	0.600	0.0	15.96	3.30	0.0	6.36	25.62
WATER APPLICATION	MAY	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
WATER APPLICATION	JUNE	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
WATER APPLICATION	JULY	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
WATER APPLICATION	AUG	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
TOTALS		22.00	2.200	0.0	58.52	12.10	0.0	23.32	93.94

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 SILAGE (DOLLARS)

QUANTITY OF CORN SILAGE	TON	12.80	14.40	16.00	17.60	19.20
	14.40	-3.32	12.12	27.55	42.99	58.43
	16.20	12.12	29.48	46.85	64.21	81.58
	18.00	27.55	46.85	66.14	85.44	104.74
	19.80	42.99	64.21	85.44	106.67	127.89
	21.60	58.43	81.58	104.74	127.89	151.05

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

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/22/83. B-1241(C 2)

COTTON, DRYLAND, TEXAS HIGH PLAINS II REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
COTTON LINT	275.00	LB.	0.49	134.75	________
COTTONSEED	0.22	TON	90.00	19.80	________
DEFICIENCY PMT.	275.00	LB.	0.21	57.75	________
TOTAL PROJECTED RETURNS			$	212.30	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SD COTTON-UPLAND	15.00	LB.	0.30	4.50	________
*HERBICIDE	1.00	ACRE	6.00	6.00	________
HAIL INSURANCE	70.00	DOL.	0.15	10.50	________
FERT (N) APPL'D	20.00	LB.	0.14	2.80	________
FERT (P) APPL'D	20.00	LB.	0.10	2.00	________
FUEL & LUBE--TRACTOR		ACRE		15.74	________
EQUIPMENT		ACRE		2.16	________
REPAIRS------TRACTOR		ACRE		3.43	________
EQUIPMENT		ACRE		2.26	________
LABOR--------MACHINERY	2.30	HOUR	5.50	12.64	________
EQUIPMENT	0.98	HOUR	5.50	5.39	________
OTHER	2.00	HOUR	5.50	11.00	________
OPERATING CAPITAL	24.86	DOL.	0.120	2.98	________
SUBTOTAL, PREHARVEST		ACRE	$	81.40	$________
HARVEST COSTS					
GIN,BAG, TIES	12.50	CWT.	1.75	21.88	________
CUSTOM HARV&HAUL	12.50	CWT.	1.25	15.63	________
SUBTOTAL, HARVEST		ACRE	$	37.50	$________
TOTAL VARIABLE COSTS		ACRE	$	118.90	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 0.15/LB.	COTTON LINT		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	93.40	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		22.81	________
EQUIPMENT		ACRE		13.06	________
LAND---NET SHARE-RENT		ACRE		47.61	________
TOTAL FIXED COSTS		ACRE	$	83.47	$________
5. TOTAL PROJECTED COSTS		ACRE	$	202.37	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 0.45/LB.	COTTON LINT		
6. NET PROJECTED RETURNS		ACRE	$	9.93	$________

LAND (NET RENT) BASED ON 1/4 OF GROSS LESS 1/4 OF GINNING, BAGGING AND TIES. PRICE BASED ON LOAN RATE ADJUSTED FOR QUALITY. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

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COTTON, DRYLAND, TEXAS HIGH PLAINS II REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

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 2R	3,56	DEC	1.00	0.557	0.422	4.09	3.07	0.0	5.93	13.09
TANDEM DISC	2,40	DEC	1.50	0.312	0.237	3.11	1.72	0.0	3.96	8.79
MOLDBOARD 6B	1,47	FEB	1.50	0.567	0.430	6.80	3.12	0.0	11.13	21.05
PACKER	53	FEB	1.50	0.0	0.309	0.05	0.0	0.0	0.14	0.19
TANDEM DISC	2,40	MAR	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
HERB SPR/DISC	61	MAR	1.00	0.0	0.158	0.01	0.0	6.00	0.16	6.17
LISTER-PLNT6R	2,36	MAY	1.25	0.189	0.143	1.86	1.04	4.50	3.00	10.41
SAND FIGHTER	5,51	JUNE	2.00	0.151	0.115	0.56	0.83	0.0	1.08	2.46
CULTIVATOR 8R	3,34	JUNE	2.00	0.312	0.236	2.51	1.72	0.0	5.15	9.38
TOTALS				2.298	2.208	21.07	12.64	10.50	33.19	77.40

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)

QUANTITY OF COTTON LINT (LB.)	0.39	0.44	0.49	0.54	0.59
220.00	4.19	12.27	20.36	28.44	36.53
247.50	14.89	23.98	33.08	42.17	51.27
275.00	25.58	35.69	45.80	55.90	66.01
302.50	36.28	47.40	58.52	69.63	80.75
330.00	46.98	59.11	71.24	83.36	95.49

COTTON, FURROW IRRIGATED (NATURAL GAS)
TEXAS HIGH PLAINS II REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
COTTON LINT	400.00	LB.	0.49	196.00	________
COTTONSEED	0.32	TON	90.00	28.80	________
DEFICIENCY PMT.	400.00	LB.	0.21	84.00	________
TOTAL PROJECTED RETURNS			$	308.80	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SD COTTON-UPLAND	20.00	LB.	0.30	6.00	________
FERT (N) APPL'D	40.00	LB.	0.14	5.60	________
FERT (P) APPL'D	20.00	LB.	0.10	2.00	________
*HERBICIDE	1.00	ACRE	6.00	6.00	________
HAIL INSURANCE	125.00	DOL.	0.15	18.75	________
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.79	________
EQUIPMENT		ACRE		2.16	________
IRRIGATION		ACRE		35.40	________
REPAIRS------TRACTOR		ACRE		2.93	________
EQUIPMENT		ACRE		2.63	________
IRRIGATION		ACRE		5.52	________
LABOR--------MACHINERY	1.90	HOUR	5.50	10.45	________
IRRIGATION	1.20	HOUR	5.50	6.60	________
EQUIPMENT	0.98	HOUR	5.50	5.39	________
OTHER	3.00	HOUR	5.50	16.50	________
OPERATING CAPITAL	46.81	DOL.	0.120	5.62	________
SUBTOTAL, PREHARVEST		ACRE	$	145.33	$________
HARVEST COSTS					
GIN,BAG, TIES	18.00	CWT.	1.75	31.50	________
CUSTOM HARV&HAUL	18.00	CWT.	1.25	22.50	________
SUBTOTAL, HARVEST		ACRE	$	54.00	$________
TOTAL VARIABLE COSTS		ACRE	$	199.33	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 0.22/LB.	COTTON LINT		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	109.47	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		19.91	________
EQUIPMENT		ACRE		11.47	________
LAND---NET SHARE-RENT		ACRE		61.06	________
IRRIG. EQUIP.	12.00	ACIN	1.06	12.72	________
TOTAL FIXED COSTS		ACRE	$	105.16	$________
5. TOTAL PROJECTED COSTS		ACRE	$	304.49	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 0.48/LB.	COTTON LINT		
6. NET PROJECTED RETURNS		ACRE	$	4.31	$________

LAND CHARGE BASED ON 1/4 OF GROSS INCOME LESS 1/4 OF FERTILIZER, GINNING & 50% OF IRRIG FIXED COSTS. PRICE BASED ON LOAN RATE ADJUSTED FOR QUALITY. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROGRAM.

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COTTON, FURROW IRRIGATED (NATURAL GAS)
TEXAS HIGH PLAINS II REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

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	2,57	DEC	1.00	0.277	0.210	2.64	1.52	0.0	3.73	7.89
TANDEM DISC	1,41	DEC	1.00	0.146	0.110	1.75	0.80	0.0	2.67	5.22
MOLDBOARD 6B	1,47	JAN	0.50	0.189	0.143	2.27	1.04	0.0	3.71	7.02
PACKER	53	JAN	0.50	0.0	0.103	0.02	0.0	0.0	0.05	0.06
CHISEL	1,44	JAN	0.50	0.066	0.050	0.81	0.36	0.0	1.12	2.30
TANDEM DISC	1,41	FEB	1.00	0.146	0.110	1.75	0.80	0.0	2.67	5.22
HERB SPR/DISC	61	MAR	1.00	0.0	0.158	0.01	0.0	6.00	0.16	6.17
TANDEM DISC	1,41	MAR	1.00	0.146	0.110	1.75	0.80	0.0	2.67	5.22
LISTER 8R	1,55	APR	1.00	0.114	0.086	1.27	0.63	0.0	1.70	3.60
ROLLING CULT	3,31	MAY	1.00	0.146	0.111	1.24	0.80	0.0	1.87	3.91
BED PLANTER8R	2,39	MAY	1.50	0.227	0.172	2.45	1.25	6.00	3.55	13.25
SAND FIGHTER	5,51	JUNE	2.00	0.151	0.115	0.56	0.83	0.0	1.08	2.46
ROLLING CULT	3,31	JUNE	2.00	0.292	0.222	2.48	1.61	0.0	3.74	7.83
TOTALS				1.900	1.700	18.99	10.45	12.00	28.70	70.14

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	APR	7.00	0.700	0.0	23.87	3.85	0.0	7.42	35.14
WATER APPLICATION	JULY	5.00	0.500	0.0	17.05	2.75	0.0	5.30	25.10
TOTALS		12.00	1.200	0.0	40.92	6.60	0.0	12.72	60.24

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF COTTON LINT
(DOLLARS)

QUANTITY OF COTTON LINT (LB.)	0.39	0.44	0.49	0.54	0.59
320.00	-12.21	-0.45	11.31	23.07	34.83
360.00	3.39	16.62	29.85	43.08	56.31
400.00	19.00	33.70	48.40	63.10	77.80
440.00	34.61	50.78	66.95	83.12	99.29
480.00	50.22	67.86	85.50	103.14	120.78

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

FORAGE SORGHUM, DRYLAND, TEXAS HIGH PLAINS II REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAZING	100.00	LB.	0.40	40.00	________
TOTAL PROJECTED RETURNS			$	40.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*FORAGE SORG SEED	5.00	LB.	0.60	3.00	________
FUEL & LUBE--TRACTOR		ACRE		5.02	________
EQUIPMENT		ACRE		1.08	________
REPAIRS------TRACTOR		ACRE		1.33	________
EQUIPMENT		ACRE		1.30	________
LABOR--------MACHINERY	0.76	HOUR	5.50	4.18	________
EQUIPMENT	0.49	HOUR	5.50	2.69	________
OPERATING CAPITAL	2.99	DOL.	0.120	0.36	________
SUBTOTAL, PREHARVEST		ACRE	$	18.96	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	$	0.0	$________
TOTAL VARIABLE COSTS		ACRE	$	18.96	$________
BREAK-EVEN PRICE, VARIABLE COSTS	$ 0.19/LB.		GRAZING		
3. INCOME ABOVE VARIABLE COSTS		ACRE	$	21.04	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		7.13	________
EQUIPMENT		ACRE		4.70	________
LAND---NET SHARE-RENT		ACRE		13.20	________
TOTAL FIXED COSTS		ACRE	$	25.03	$________
5. TOTAL PROJECTED COSTS		ACRE	$	43.99	$________
BREAK-EVEN PRICE, TOTAL COSTS	$ 0.44/LB.		GRAZING		
6. NET PROJECTED RETURNS		ACRE	$	-3.99	$________

LAND CHARGE BASED ON 33% OF GROSS INCOME.

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