

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/22/83.

B-1241(C 2)

FORAGE SORGHUM, 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. MACH INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
CHISEL	2,44	FEB	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
CHISEL	2,44	APR	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
TANDEM DISC	2,40	APR	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
GRAIN DRILL	2,58	MAY	1.00	0.288	0.218	2.54	1.58	3.00	4.23	11.35
TOTALS				0.759	0.575	7.48	4.18	3.00	10.49	25.15

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 GRAZING (DOLLARS)				
		0.32	0.36	0.40	0.44	0.48
QUANTITY OF GRAZING	LB.					
	80.00	-1.81	0.33	2.48	4.62	6.76
	90.00	0.33	2.74	5.16	7.57	9.98
	100.00	2.48	5.16	7.84	10.52	13.20
	110.00	4.62	7.57	10.52	13.46	16.41
	120.00	6.76	9.98	13.20	16.41	19.63

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

FORAGE SORGHUM, FURROW IRRIGATED, (NAT GAS), TEX HIGH PLAINS II REGN
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
TOTAL PROJECTED RETURNS				\$ 0.0	\$
2. VARIABLE COSTS		INPUT USE			
PREHARVEST COSTS					
*FORAGE SORG SEED	20.00	LB.	0.60	12.00	
FERT (N) APPL'D	150.00	LB.	0.14	21.00	
*2-4-D	1.00	ACRE	12.00	12.00	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		10.78	
EQUIPMENT		ACRE		2.01	
IRRIGATION		ACRE		47.60	
REPAIRS-----TRACTOR		ACRE		2.71	
EQUIPMENT		ACRE		1.97	
IRRIGATION		ACRE		5.60	
LABOR-----MACHINERY	1.54	HOURL	5.50	8.48	
IRRIGATION	2.00	HOURL	5.50	11.00	
EQUIPMENT	0.91	HOURL	5.50	5.00	
OPERATING CAPITAL	54.94	DOL.	0.120	6.59	
SUBTOTAL, PREHARVEST		ACRE		\$ 146.74	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 146.74	\$
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -146.74	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.47	
EQUIPMENT		ACRE		9.62	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
IRR EQUIP (50%)	20.00	ACIN	0.53	10.60	
TOTAL FIXED COSTS		ACRE		\$ 74.69	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 221.43	\$
6. NET PROJECTED RETURNS		ACRE		\$ -221.43	\$

LAND CHARGE BASED ON \$40 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.

FORAGE SORGHUM, 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
OFFSET DISC	2,43	NOV	1.00	0.104	0.079	1.24	0.57	0.0	2.10	3.92
CHISEL	2,44	DEC	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
OFFSET DISC	2,43	FEB	1.00	0.104	0.079	1.24	0.57	0.0	2.10	3.92
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	1.00	0.432	0.327	3.96	2.38	0.0	4.39	10.73
LISTER-PLNT8R	2,37	MAR	1.00	0.114	0.086	1.17	0.63	0.0	1.62	3.42
RODWEEDER	2,50	MAY	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
GRAIN DRILL	2,58	MAY	1.00	0.288	0.218	2.54	1.58	12.00	4.23	20.35
TOTALS				1.541	1.325	15.14	8.48	24.00	21.61	69.22

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	8.00	0.800	0.0	21.28	4.40	0.0	4.24	29.92
WATER APPLICATION	JULY	8.00	0.800	0.0	21.28	4.40	0.0	4.24	29.92
WATER APPLICATION	AUG	4.00	0.400	0.0	10.64	2.20	0.0	2.12	14.96
TOTALS		20.00	2.000	0.0	53.20	11.00	0.0	10.60	74.80

FORAGE SORGHUM FOR HAY, 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					
SORGHUM HAY	1.00	TON	50.00	50.00	
TOTAL PROJECTED RETURNS				\$ 50.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*FORAGE SORG SEED	5.00	LB.	0.60	3.00	
FUEL & LUBE--TRACTOR		ACRE		5.99	
EQUIPMENT		ACRE		0.46	
REPAIRS-----TRACTOR		ACRE		1.56	
EQUIPMENT		ACRE		1.43	
LABOR-----MACHINERY	0.89	HOUR	5.50	4.90	
EQUIPMENT	0.21	HOUR	5.50	1.15	
OPERATING CAPITAL	3.36	DOL.	0.120	0.40	
SUBTOTAL, PREHARVEST		ACRE		\$ 18.91	\$
HARVEST COSTS					
CUSTOM BALING	33.00	BALE	0.60	19.80	
SUBTOTAL, HARVEST		ACRE		\$ 19.80	\$
TOTAL VARIABLE COSTS		ACRE		\$ 38.71	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 38.71/TON	SORGHUM HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 11.29	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		8.36	
EQUIPMENT		ACRE		4.51	
LAND---NET SHARE-RENT		ACRE		9.97	
TOTAL FIXED COSTS		ACRE		\$ 22.84	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 61.55	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 61.55/TON	SORGHUM HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -11.55	\$

LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF BALING.

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FORAGE SORGHUM FOR HAY, 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. MACH INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
CHISEL	2,44	FEB	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
CHISEL	2,44	MAR	2.00	0.263	0.199	2.87	1.45	0.0	3.63	7.94
TANDEM DISC	2,40	APR	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
GRAIN DRILL	2,58	MAY	1.00	0.288	0.218	2.54	1.58	3.00	4.23	11.35
TOTALS				0.891	0.675	8.91	4.90	3.00	12.30	29.11

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 SORGHUM HAY (DOLLARS)				
		40.00	45.00	50.00	55.00	60.00
QUANTITY OF SORGHUM HAY	TON					
	0.80	-8.08	-5.40	-2.72	-0.04	2.64
	0.90	-6.73	-3.71	-0.70	2.32	5.33
	1.00	-5.37	-2.02	1.33	4.68	8.03
	1.10	-4.02	-0.33	3.35	7.04	10.72
	1.20	-2.67	1.35	5.37	9.39	13.41

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

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	15.00	CWT.	4.19	62.85	_____
DEFICIENCY PMT.	15.00	CWT.	0.36	5.40	_____
TOTAL PROJECTED RETURNS				\$ 68.25	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*GRAIN SORG. SEED	3.00	LB.	0.60	1.80	_____
FERT (N) APPL'D	40.00	LB.	0.14	5.60	_____
*HERBICIDE	1.00	ACRE	6.00	6.00	_____
FUEL & LUBE---TRACTOR		ACRE		5.02	_____
EQUIPMENT		ACRE		1.39	_____
REPAIRS-----TRACTOR		ACRE		1.33	_____
EQUIPMENT		ACRE		1.36	_____
LABOR-----MACHINERY	0.76	HOUR	5.50	4.18	_____
EQUIPMENT	0.63	HOUR	5.50	3.47	_____
OPERATING CAPITAL	6.07	DOL.	0.120	0.73	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 30.88	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	8.00	8.00	_____
CUSTOM HAUL	15.00	CWT.	0.25	3.75	_____
SUBTOTAL, HARVEST		ACRE		\$ 11.75	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 42.63	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.48/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 25.62	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		7.13	_____
EQUIPMENT		ACRE		5.24	_____
LAND---NET SHARE-RENT		ACRE		16.80	_____
TOTAL FIXED COSTS		ACRE		\$ 29.17	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 71.79	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.43/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -3.54	\$ _____

LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF FERTILIZER, HARVEST, AND HAULING. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOV'T SET ASIDE PROGRAM.

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GRAIN SORGHUM, 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
CHISEL	2,44	FEB	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
CHISEL	2,44	APR	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
TANDEM DISC	2,40	APR	1.00	0.208	0.158	2.07	1.15	0.0	2.64	5.86
HERB SPR/DISC	61	APR	1.00	0.0	0.158	0.01	0.0	6.00	0.16	6.17
GRAIN DRILL	2,58	MAY	1.00	0.288	0.218	2.54	1.58	1.80	4.23	10.15
TOTALS				0.759	0.733	7.49	4.18	7.80	10.65	30.12

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)

QUANTITY OF GRAIN SORGHUM	CWT.	PRICE OF GRAIN SORGHUM (DOLLARS)				
		3.35	3.77	4.19	4.61	5.03
12.00		-6.55	-3.19	0.18	3.55	6.92
13.50		-3.07	0.72	4.51	8.30	12.08
15.00		0.40	4.62	8.83	13.04	17.25
16.50		3.88	8.52	13.15	17.78	22.41
18.00		7.36	12.42	17.47	22.52	27.58

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

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	60.00	CWT.	4.19	251.40	
TOTAL PROJECTED RETURNS				\$ 251.40	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GRAIN SORG. SEED	6.00	LB.	0.60	3.60	
FERT (N) APPL'D	130.00	LB.	0.14	18.20	
*HERBICIDE	1.00	ACRE	9.00	9.00	
INSECTICIDE	1.00	ACRE	8.00	8.00	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.63	
EQUIPMENT		ACRE		2.01	
IRRIGATION		ACRE		47.60	
REPAIRS-----TRACTOR		ACRE		3.03	
EQUIPMENT		ACRE		1.94	
IRRIGATION		ACRE		5.60	
LABOR-----MACHINERY	1.72	HOURL	5.50	9.48	
IRRIGATION	2.00	HOURL	5.50	11.00	
EQUIPMENT	0.91	HOURL	5.50	5.00	
OPERATING CAPITAL	28.38	DOL.	0.120	3.41	
SUBTOTAL, PREHARVEST		ACRE		\$ 141.49	\$
HARVEST COSTS					
CUSTOM HARVEST	60.00	CWT.	0.35	21.00	
CUSTOM HAUL	60.00	CWT.	0.25	15.00	
SUBTOTAL, HARVEST		ACRE		\$ 36.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 177.49	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.96/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 73.91	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		18.25	
EQUIPMENT		ACRE		9.22	
LAND---NET SHARE-RENT		ACRE		33.16	
IRRIG. EQUIP.	20.00	ACIN	1.06	21.20	
TOTAL FIXED COSTS		ACRE		\$ 81.82	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 259.31	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.32/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -7.91	\$

LAND CHARGE BASED ON 33% OF GROSS INCOME LESS 33% OF FERT., GAS, CHEM., HARVEST, HAUL AND 50% OF IRRIG. FIXED COSTS. PRICE BASED ON TARGET PRICE. BUDGETS DO NOT INCLUDE COSTS OF IDLE AC. OR POTENTIAL DIVERTED ACREAGE PMTS.

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GRAIN SORGHUM, 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	2,42	NOV	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
CHISEL	1,44	DEC	1.00	0.132	0.100	1.63	0.72	0.0	2.25	4.60
OFFSET DISC	2,42	FEB	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
BOX FLOAT	1,60	MAR	0.50	0.216	0.164	2.30	1.19	0.0	2.91	6.40
LISTER 8 ROW	2,90	MAR	1.00	0.114	0.086	1.10	0.63	0.0	1.32	3.05
ROLLING CULT	2,30	APR	1.00	0.194	0.147	1.97	1.07	0.0	2.30	5.34
RODWEEDER	2,50	MAY	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
BED PLNTR 8R	2,74	MAY	1.00	0.152	0.115	1.68	0.83	3.60	2.42	8.53
HERB SPR/DISC	61	MAY	1.00	0.0	0.158	0.01	0.0	9.00	0.16	9.17
FURROW OPENER	2,86	MAY	1.00	0.132	0.100	1.29	0.73	0.0	1.43	3.44
TOTALS				1.723	1.463	18.27	9.48	12.60	24.98	65.33

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	7.00	0.700	0.0	18.62	3.85	0.0	7.42	29.89
WATER APPLICATION	JUNE	5.00	0.500	0.0	13.30	2.75	0.0	5.30	21.35
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		20.00	2.000	0.0	53.20	11.00	0.0	21.20	85.40

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 GRAIN SORGHUM
(DOLLARS)

		3.35	3.77	4.19	4.61	5.03
QUANTITY OF GRAIN SORGHUM	CWT.					
	48.00	-15.06	-1.59	11.89	25.36	38.84
	54.00	-4.00	11.16	26.32	41.48	56.64
	60.00	7.06	23.91	40.75	57.59	74.44
	66.00	18.13	36.65	55.18	73.71	92.24
	72.00	29.19	49.40	69.61	89.83	110.04

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

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAIN SORGHUM	57.00	CWT.	4.19	238.83	
DEFICIENCY PMT.	57.00	CWT.	0.36	20.52	
TOTAL PROJECTED RETURNS			\$	259.35	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GRAIN SORG. SEED	6.00	LB.	0.60	3.60	
FERT (N) APPL'D	120.00	LB.	0.14	16.80	
FERT (P) APPL'D	30.00	LB.	0.10	3.00	
*HERBICIDE	1.00	ACRE	9.00	9.00	
INSECTICIDE	1.00	ACRE	8.00	8.00	
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		7.20	
EQUIPMENT		ACRE		1.70	
IRRIGATION		ACRE		53.10	
REPAIRS-----TRACTOR		ACRE		1.71	
EQUIPMENT		ACRE		1.25	
IRRIGATION		ACRE		8.28	
LABOR-----MACHINERY	0.98	HOURL	5.50	5.37	
IRRIGATION	0.59	HOURL	5.50	3.27	
EQUIPMENT	0.77	HOURL	5.50	4.23	
OPERATING CAPITAL	17.82	DOL.	0.120	2.14	
SUBTOTAL, PREHARVEST		ACRE	\$	128.65	\$
HARVEST COSTS					
CUSTOM HARVEST	57.00	CWT.	0.35	19.95	
CUSTOM HAUL	57.00	CWT.	0.25	14.25	
SUBTOTAL, HARVEST		ACRE	\$	34.20	\$
TOTAL VARIABLE COSTS		ACRE	\$	162.85	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$	2.50/CWT.	GRAIN SORGHUM
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	96.50	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		9.17	
EQUIPMENT		ACRE		7.34	
LAND---NET SHARE-RENT		ACRE		30.14	
IRRIG. EQUIP.	18.00	ACIN	1.61	28.98	
TOTAL FIXED COSTS		ACRE	\$	75.64	\$
5. TOTAL PROJECTED COSTS		ACRE	\$	238.49	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$	3.82/CWT.	GRAIN SORGHUM
6. NET PROJECTED RETURNS		ACRE	\$	20.86	\$

LAND (NET RENT) BASED ON 33% OF GROSS LESS 33% OF FERT, GAS, CHEM, HARVEST AND HAUL. AND 50% OF FIXED IRRIG COST. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PYMT BASED ON COMPLIANCE W/ GOVT SET ASIDE PROG.

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.

GRAIN SORGHUM, 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	2,57	JAN	1.00	0.277	0.210	2.64	1.52	0.0	3.73	7.89
CHISEL	2,44	JAN	1.00	0.132	0.100	1.43	0.72	0.0	1.81	3.97
OFFSET DISC	2,42	MAR	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
HERB SPR/DISC	61	MAR	1.00	0.0	0.158	0.01	0.0	9.00	0.16	9.17
RODWEEDER	2,50	MAY	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
LISTER-PLNT8R	2,37	MAY	1.00	0.114	0.086	1.17	0.63	3.60	1.62	7.02
CULTIVATOR 8R	2,34	JUNE	1.00	0.156	0.118	1.56	0.86	0.0	2.59	5.01
TOTALS				0.977	0.898	9.89	5.37	12.60	14.41	42.27

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	3.00	0.099	0.0	10.23	0.54	0.0	4.83	15.60
WATER APPLICATION	JUNE	3.00	0.099	0.0	10.23	0.54	0.0	4.83	15.60
WATER APPLICATION	JULY	6.00	0.198	0.0	20.46	1.09	0.0	9.66	31.21
WATER APPLICATION	AUG	6.00	0.198	0.0	20.46	1.09	0.0	9.66	31.21
TOTALS		18.00	0.594	0.0	61.38	3.27	0.0	28.98	93.63

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)

	3.35	3.77	4.19	4.61	5.03
CWT.					
45.60	10.58	23.38	36.18	48.98	61.79
51.30	22.47	36.87	51.27	65.67	80.07
57.00	34.35	50.35	66.35	82.36	98.36
62.70	46.24	63.84	81.44	99.04	116.64
68.40	58.12	77.32	96.52	115.73	134.93

QUANTITY OF
GRAIN SORGHUM

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WHEAT	15.00	BU.	3.28	49.20	_____
WHEAT GRAZING	60.00	DAYS	0.15	9.00	_____
DEFICIENCY PMT.	15.00	BU.	0.65	9.75	_____
TOTAL PROJECTED RETURNS				\$ 67.95	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SEED WHEAT	0.50	BU.	6.00	3.00	_____
FUEL & LUBE---TRACTOR		ACRE		4.52	_____
EQUIPMENT		ACRE		1.70	_____
REPAIRS-----TRACTOR		ACRE		0.97	_____
EQUIPMENT		ACRE		1.44	_____
LABOR-----MACHINERY	0.55	HOURL	5.50	3.03	_____
EQUIPMENT	0.77	HOURL	5.50	4.23	_____
OPERATING CAPITAL	4.07	DOL.	0.120	0.49	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 19.38	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	10.00	10.00	_____
CSTM HAUL WHEAT	15.00	BU.	0.10	1.50	_____
SUBTOTAL, HARVEST		ACRE		\$ 11.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 30.88	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 0.81/BU.	WHEAT		
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 37.07	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		6.22	_____
EQUIPMENT		ACRE		5.93	_____
LAND---NET SHARE-RENT		ACRE		18.63	_____
TOTAL FIXED COSTS		ACRE		\$ 30.78	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 61.66	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS		\$ 2.86/BU.	WHEAT		
6. NET PROJECTED RETURNS		ACRE		\$ 6.29	\$ _____

LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF HARVEST & HAUL. STOCKING RATE IS 4 AC/HD. PRICE BASED ON LOAN RATE ADJUSTED FOR STORAGE. DEFICIENCY PAYMENT BASED ON COMPLIANCE WITH GOVT SET ASIDE PROG.

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PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/22/83.

B-1241(C 2)

WHEAT, 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
SWEEP	1,81	JUNE	1.00	0.092	0.070	1.17	0.51	0.0	1.73	3.40
CHISEL	1,44	JULY	1.00	0.132	0.100	1.63	0.72	0.0	2.25	4.60
SWEEP	1,81	JULY	1.00	0.092	0.070	1.17	0.51	0.0	1.73	3.40
RODWEEDER	2,50	SEPT	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
GRAIN DRILL	2,58	SEPT	0.50	0.144	0.109	1.55	0.79	3.00	2.11	7.45
GRAIN DRILL	58	SEPT	0.50	0.0	0.109	0.24	0.0	0.0	0.76	1.00
TOTALS				0.551	0.526	6.65	3.03	3.00	10.05	22.73

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 WHEAT (DOLLARS)				
		2.62	2.95	3.28	3.61	3.94
QUANTITY OF WHEAT	BU.					
	12.00	5.47	8.11	10.74	13.38	16.02
	13.50	8.66	11.63	14.59	17.56	20.53
	15.00	11.85	15.15	18.44	21.74	25.04
	16.50	15.04	18.67	22.29	25.92	29.54
	18.00	18.23	22.19	26.14	30.10	34.05

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WHEAT	50.00	BU.	3.28	164.00	
WHEAT PASTURE	120.00	DAYS	0.30	36.00	
DEFICIENCY PMT.	50.00	BU.	0.65	32.50	
TOTAL PROJECTED RETURNS				\$ 232.50	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED WHEAT	1.25	BU.	6.00	7.50	
FERT (N) APPL'D	100.00	LB.	0.14	14.00	
HERBICIDE APPLD	1.00	ACRE	4.00	4.00	
INSECTICIDE	1.00	APPL	5.50	5.50	
HAIL INSURANCE	105.00	DOL.	0.15	15.75	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		9.87	
EQUIPMENT		ACRE		1.70	
IRRIGATION		ACRE		47.60	
REPAIRS-----TRACTOR		ACRE		2.31	
EQUIPMENT		ACRE		2.28	
IRRIGATION		ACRE		5.60	
LABOR-----MACHINERY	1.31	HOUR	5.50	7.22	
IRRIGATION	2.00	HOUR	5.50	11.00	
EQUIPMENT	0.77	HOUR	5.50	4.23	
OPERATING CAPITAL	40.93	DOL.	0.120	4.91	
SUBTOTAL, PREHARVEST		ACRE		\$ 143.47	\$
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	10.00	10.00	
CSTM HAUL WHEAT	50.00	BU.	0.10	5.00	
*CUSTOM HARVEST	30.00	BU.	0.10	3.00	
SUBTOTAL, HARVEST		ACRE		\$ 18.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 161.47	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.86/BU.	WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 71.03	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		12.76	
EQUIPMENT		ACRE		9.70	
LAND---NET SHARE-RENT		ACRE		36.72	
IRRIG. EQUIP.	20.00	ACIN	1.06	21.20	
TOTAL FIXED COSTS		ACRE		\$ 80.38	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 241.85	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 3.47/BU.	WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -9.35	\$

LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF FERT, GAS, CHEM, HARVEST &
 50% OF IRRIG FIXED COSTS. STKG RATE 1 AC/HD. PRICE BASED ON LOAN RATE
 ADJUSTED FOR STORAGE. DEFICIENCY PYMT BASED ON COMPLIANCE W/ GOVT SET ASIDE

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WHEAT, 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
OFFSET DISC	2,42	JUNE	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
OFFSET DISC	2,42	JULY	2.00	0.417	0.316	4.34	2.29	0.0	6.07	12.71
CHISEL	1,44	AUG	1.00	0.132	0.100	1.63	0.72	0.0	2.25	4.60
OFFSET DISC	2,42	AUG	1.00	0.208	0.158	2.17	1.15	0.0	3.04	6.35
LISTER-PLNT8R	2,37	AUG	1.00	0.114	0.086	1.17	0.63	0.0	1.62	3.42
RODWEEDER	2,50	AUG	1.00	0.091	0.069	0.90	0.50	0.0	1.47	2.87
GRAIN DRILL	2,58	AUG	0.50	0.144	0.109	1.55	0.79	7.50	2.11	11.95
GRAIN DRILL	58	AUG	0.50	0.0	0.109	0.24	0.0	0.0	0.76	1.00
TOTALS				1.313	1.104	14.17	7.22	7.50	20.36	49.25

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	SEPT	8.00	0.800	0.0	21.28	4.40	0.0	8.48	34.16
WATER APPLICATION	NOV	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
WATER APPLICATION	APR	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
WATER APPLICATION	MAY	4.00	0.400	0.0	10.64	2.20	0.0	4.24	17.08
TOTALS		20.00	2.000	0.0	53.20	11.00	0.0	21.20	85.40

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 WHEAT (DOLLARS)				
		2.62	2.95	3.28	3.61	3.94
QUANTITY OF WHEAT	BU.					
	40.00	-8.53	0.26	9.05	17.84	26.63
	45.00	1.90	11.79	21.68	31.57	41.46
	50.00	12.33	23.32	34.31	45.30	56.29
	55.00	22.77	34.85	46.94	59.03	71.11
	60.00	33.20	46.38	59.57	72.75	85.94

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

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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
WHEAT	40.00	BU.	3.28	131.20	
WHEAT PASTURE	120.00	DAYS	0.26	31.20	
DEFICIENCY PMT.	40.00	BU.	0.65	26.00	
TOTAL PROJECTED RETURNS				\$ 188.40	\$
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*SPED WHEAT	1.25	BU.	6.00	7.50	
FERT (N) APPL'D	160.00	LB.	0.14	22.40	
FERT (P) APPL'D	30.00	LB.	0.10	3.00	
INSECTICIDE	1.00	APPL	5.50	5.50	
HAIL INSURANCE	115.00	DOL.	0.15	17.25	
IRRIGATION WATER	17.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		7.62	
EQUIPMENT		ACRE		2.01	
IRRIGATION		ACRE		50.15	
REPAIRS-----TRACTOR		ACRE		1.75	
EQUIPMENT		ACRE		2.39	
IRRIGATION		ACRE		7.82	
LABOR-----MACHINERY	0.99	HOURL	5.50	5.46	
IRRIGATION	0.56	HOURL	5.50	3.09	
EQUIPMENT	0.91	HOURL	5.50	5.00	
OPERATING CAPITAL	47.55	DOL.	0.120	5.71	
SUBTOTAL, PREHARVEST		ACRE		\$ 146.64	\$
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	10.00	10.00	
CSTM HAUL WHEAT	40.00	BU.	0.10	4.00	
SUBTOTAL, HARVEST		ACRE		\$ 14.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 160.64	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.59/BU.	WHEAT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 27.76	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		11.92	
EQUIPMENT		ACRE		9.99	
LAND---NET SHARE-RENT		ACRE		17.12	
IRRIG. EQUIP.	17.00	ACIN	1.61	27.37	
TOTAL FIXED COSTS		ACRE		\$ 66.40	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 227.04	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.25/BU.	WHEAT	
6. NET PROJECTED RETURNS		ACRE		\$ -38.64	\$

LAND CHARGE 33% OF GROSS LESS 33% OF FERT, CHEM, GAS, HARVEST % 50%
 OF IRRIG FIXED COSTS. STKG RATE 1.5 AC/HD. PRICE BASED ON LOAN RATE
 ADJUSTED FOR STORAGE. DEFICIENCY PYMT BASED ON COMPLIANCE W/ GOVT SET ASIDE

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WHEAT, SPRINKLER 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
OFFSET DISC	2,43	JULY	2.00	0.208	0.158	2.48	1.15	0.0	4.21	7.83
CHISEL	1,44	AUG	1.50	0.197	0.149	2.44	1.09	0.0	3.37	6.90
OFFSET DISC	1,43	AUG	2.00	0.208	0.158	2.79	1.15	0.0	4.90	8.83
RODWEEDER	1,50	AUG	1.00	0.091	0.069	1.03	0.50	0.0	1.77	3.30
GRAIN DRILL	1,58	AUG	1.00	0.288	0.218	2.69	1.58	7.50	5.18	16.95
TOTALS				0.993	0.752	11.43	5.46	7.50	19.43	43.82

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	SEPT	3.00	0.099	0.0	10.23	0.54	0.0	4.83	15.60
WATER APPLICATION	NOV	2.00	0.066	0.0	6.82	0.36	0.0	3.22	10.40
WATER APPLICATION	DEC	2.00	0.066	0.0	6.82	0.36	0.0	3.22	10.40
WATER APPLICATION	MAR	2.00	0.066	0.0	6.82	0.36	0.0	3.22	10.40
WATER APPLICATION	APR	4.00	0.132	0.0	13.64	0.73	0.0	6.44	20.81
WATER APPLICATION	MAY	4.00	0.132	0.0	13.64	0.73	0.0	6.44	20.81
TOTALS		17.00	0.561	0.0	57.97	3.09	0.0	27.37	88.43

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 WHEAT (DOLLARS)				
		2.62	2.95	3.28	3.61	3.94
QUANTITY OF WHEAT	BU.					
	32.00	-23.95	-16.92	-9.89	-2.86	4.17
	36.00	-15.45	-7.54	0.37	8.29	16.20
	40.00	-6.94	1.85	10.64	19.43	28.22
	44.00	1.56	11.23	20.90	30.57	40.24
	48.00	10.07	20.62	31.17	41.72	52.26

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