

FORAGE SORGHUM HAY DRY LAND
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
SORGHUM HAY	4.50	TON	60.00	270.00	
TOTAL PROJECTED RETURNS				\$ 270.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*FORAGE SORG SEED	30.00	LB.	0.32	9.60	
*NITROGEN (ANHY)	80.00	LB.	0.14	11.20	
*PHOSPHATE	40.00	LB.	0.30	12.00	
FUEL & LUBE--TRACTOR		ACRE		7.53	
EQUIPMENT		ACRE		0.62	
REPAIRS-----TRACTOR		ACRE		1.90	
EQUIPMENT		ACRE		1.12	
LABOR-----MACHINERY	1.47	HOUR	5.00	7.34	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	-1.49	DOL.	0.135	-0.20	
SUBTOTAL, PREHARVEST		ACRE		\$ 52.18	\$
HARVEST COSTS					
MOW,RAKE,BALE	149.00	BALE	0.70	104.30	
CUSTOM HAUL	149.00	BALE	0.35	52.15	
SUBTOTAL, HARVEST		ACRE		\$ 156.45	\$
TOTAL VARIABLE COSTS		ACRE		\$ 208.63	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 46.36/TON	SORGHUM HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 61.37	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		14.52	
EQUIPMENT		ACRE		10.18	
LAND-CASH RENT	1.00	ACRE	10.00	10.00	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 39.20	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 247.83	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 55.07/TON	SORGHUM HAY	
6. NET PROJECTED RETURNS		ACRE		\$ 22.17	\$

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 HAY DRY LAND
 TEXAS EDWARDS AQUIFER 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
SHREDDER	3,30	OCT	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	NOV	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	5.60	1.50	8.82
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	12.00	3.82	18.29
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	1.99	1.35	9.60	6.13	19.07
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.97	0.76	5.60	1.50	8.82
TOTALS				1.468	1.112	10.46	7.34	32.80	23.90	74.50

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)

		48.00	54.00	60.00	66.00	72.00
QUANTITY OF SORGHUM HAY	TON					
	3.60	-4.54	17.06	38.66	60.26	81.86
	4.05	1.42	25.72	50.02	74.32	98.62
	4.50	7.37	34.37	61.37	88.37	115.37
	4.95	13.33	43.03	72.73	102.43	132.13
	5.40	19.28	51.68	84.08	116.48	148.88

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

FORAGE SORGHUM HAY, IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SORGHUM HAY	10.00	TON	60.00	600.00	
TOTAL PROJECTED RETURNS				\$ 600.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*FORAGE SORG SEED	40.00	LB.	0.32	12.80	
*NITROGEN (ANHY)	240.00	LB.	0.14	33.60	
*PHOSPHATE	60.00	LB.	0.30	18.00	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		9.57	
EQUIPMENT		ACRE		1.39	
IRRIGATION		ACRE		57.60	
REPAIRS-----TRACTOR		ACRE		2.42	
EQUIPMENT		ACRE		1.30	
IRRIGATION		ACRE		13.40	
LABOR-----MACHINERY	1.87	HOUR	5.00	9.33	
IRRIGATION	2.00	HOUR	3.80	7.60	
EQUIPMENT	0.63	HOUR	3.80	2.39	
OPERATING CAPITAL	8.35	DOL.	0.135	1.13	
SUBTOTAL, PREHARVEST		ACRE		\$ 170.53	\$
HARVEST COSTS					
MOW,RAKE,BALE	330.00	BALE	0.70	231.00	
CUSTOM HAUL	330.00	BALE	0.35	115.50	
SUBTOTAL, HARVEST		ACRE		\$ 346.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 517.03	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 51.70/TON	SORGHUM HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 82.97	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		18.46	
EQUIPMENT		ACRE		12.22	
IRRIGATION		ACRE		33.00	
LAND-CASH RENT	1.00	ACRE	35.00	35.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 106.18	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 623.21	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 62.32/TON	SORGHUM HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -23.21	\$

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FORAGE SORGHUM HAY, IRRIGATED
TEXAS EDWARDS AQUIFER 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	3,30	NOV	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	NOV	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
LAND PLANE	3,50	NOV	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.63
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	18.00	3.82	24.29
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	1.99	1.35	12.80	6.13	22.27
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
ANHYDROUS SPRDER	3,61	JUNE	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
ANHYDROUS SPRDER	3,61	JULY	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
TOTALS				1.866	1.414	13.07	9.33	64.40	28.88	115.68

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	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JULY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		20.00	2.000	0.0	71.00	7.60	0.0	33.00	111.60

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 SORGHUM HAY
(DOLLARS)

		48.00	54.00	60.00	66.00	72.00
QUANTITY OF SORGHUM HAY	TON					
	8.00	-63.73	-15.73	32.27	80.27	128.27
	9.00	-50.38	3.62	57.62	111.62	165.62
	10.00	-37.03	22.97	82.97	142.97	202.97
	11.00	-23.68	42.32	108.32	174.32	240.32
	12.00	-10.33	61.67	133.67	205.67	277.67

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

CORN FOR SILAGE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN SILAGE	15.00	TON	23.00	345.00	
TOTAL PROJECTED RETURNS				\$ 345.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED CORN/SILAGE	20.00	LB.	1.00	20.00	
*NITROGEN (ANHY)	160.00	LB.	0.14	22.40	
*PHOSPHATE	80.00	LB.	0.30	24.00	
*HERBICIDE	1.00	ACRE	10.00	10.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	1.00	APPL	16.00	16.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		12.80	
EQUIPMENT		ACRE		2.16	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		3.12	
EQUIPMENT		ACRE		2.04	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	2.13	HOUR	5.00	10.66	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.98	HOUR	3.80	3.72	
OPERATING CAPITAL	54.36	DOL.	0.135	7.34	
SUBTOTAL, PREHARVEST		ACRE		\$ 201.11	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 201.11	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 13.41/TON		CORN SILAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 143.89	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		23.64	
EQUIPMENT		ACRE		18.82	
IRRIGATION		ACRE		26.40	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 116.37	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 317.48	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$ 21.17/TON		CORN SILAGE	
6. NET PROJECTED RETURNS		ACRE		\$ 27.52	\$

SOLD STANDING IN FIELD.

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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CORN FOR SILAGE, IRRIGATED
TEXAS EDWARDS AQUIFER 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 PLOW	1,33	AUG	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.78	1.37	0.0	6.66	10.81
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.43	0.25	0.0	1.04	1.73
OFFSET DISC	1,34	OCT	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	22.40	1.50	25.62
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	24.00	3.82	30.29
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.89	1.12	36.00	5.40	44.41
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
TOTALS				2.131	1.615	17.60	10.66	82.40	39.66	150.31

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	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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)

		18.40	20.70	23.00	25.30	27.60
QUANTITY OF CORN SILAGE	TON					
	12.00	19.69	47.29	74.89	102.49	130.09
	13.50	47.29	78.34	109.39	140.44	171.49
	15.00	74.89	109.39	143.89	178.39	212.89
	16.50	102.49	140.44	178.39	216.34	254.29
	18.00	130.09	171.49	212.89	254.29	295.69

FOOD CORN, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CORN	100.00	BU.	3.50	350.00	
DEFICIENCY PMT.	100.00	BU.	0.21	21.00	
TOTAL PROJECTED RETURNS				\$ 371.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SEED CORN/GRAIN	15.00	LB.	1.40	21.00	
*NITROGEN (ANHY)	160.00	LB.	0.14	22.40	
*PHOSPHATE	80.00	LB.	0.30	24.00	
*HERBICIDE	1.00	ACRE	10.00	10.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	1.00	APPL	16.00	16.00	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		14.68	
EQUIPMENT		ACRE		1.39	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		3.65	
EQUIPMENT		ACRE		2.14	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	2.39	HOURL	5.00	11.97	
IRRIGATION	1.60	HOURL	3.80	6.08	
EQUIPMENT	0.63	HOURL	3.80	2.39	
OPERATING CAPITAL	69.04	DOL.	0.135	9.32	
SUBTOTAL, PREHARVEST		ACRE		\$ 218.82	\$
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	25.00	25.00	
HAUL CORN	100.00	BU.	0.17	17.00	
SUBTOTAL, HARVEST		ACRE		\$ 42.00	\$
TOTAL VARIABLE COSTS		ACRE		\$ 260.82	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.40/BU.	CORN	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 110.18	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		26.29	
EQUIPMENT		ACRE		18.84	
IRRIGATION		ACRE		26.40	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
TOTAL FIXED COSTS		ACRE		\$ 136.52	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 397.35	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 3.76/BU.	CORN	
6. NET PROJECTED RETURNS		ACRE		\$ -26.35	\$

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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FOOD CORN, IRRIGATED
TEXAS EDWARDS AQUIFER 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
OFFSET DISC	1,34	OCT	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
BEDDER 6R	2,36	NOV	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	24.00	3.82	30.29
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.89	1.12	37.00	5.40	45.41
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	22.40	1.50	25.62
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
SHREDDER	2,30	AUG	1.00	0.263	0.199	2.38	1.31	0.0	3.65	7.34
CHISEL PLOW	1,33	AUG	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.78	1.37	0.0	6.66	10.81
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.43	0.25	0.0	1.04	1.73
TOTALS				2.394	1.814	20.24	11.97	83.40	43.32	158.93

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	JAN	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	APR	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	MAY	6.00	0.600	0.0	21.30	2.28	0.0	9.90	33.48
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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)

		2.80	3.15	3.50	3.85	4.20
QUANTITY OF CORN	BU.					
	80.00	-16.62	11.38	39.38	67.38	95.38
	90.00	11.78	43.28	74.78	106.28	137.78
	100.00	40.18	75.18	110.18	145.18	180.18
	110.00	68.58	107.08	145.58	184.08	222.58
	120.00	96.98	138.98	180.98	222.98	264.98

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

COTTON IRRIGATED, LONG SEASON VARIETIES
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	900.00	LB.	0.50	450.00	_____
COTTONSEED	0.73	TON	90.00	65.70	_____
DEFICIENCY PMT.	900.00	LB.	0.21	189.00	_____
TOTAL PROJECTED RETURNS				\$ 704.70	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.50	8.00	_____
*NITROGEN (ANHY)	80.00	LB.	0.14	11.20	_____
*PHOSPHATE	50.00	LB.	0.30	15.00	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	_____
*INSECTICIDE	10.00	APPL	7.50	75.00	_____
PESTICIDE APPLI.	10.00	ACRE	3.50	35.00	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	2.75	2.75	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		18.53	_____
EQUIPMENT		ACRE		1.39	_____
IRRIGATION		ACRE		46.08	_____
REPAIRS-----TRACTOR		ACRE		4.60	_____
EQUIPMENT		ACRE		2.60	_____
IRRIGATION		ACRE		10.72	_____
LABOR-----MACHINERY	2.82	HOUR	5.00	14.12	_____
IRRIGATION	1.60	HOUR	3.80	6.08	_____
EQUIPMENT	0.63	HOUR	3.80	2.39	_____
OTHER	4.00	HOUR	3.80	15.20	_____
OPERATING CAPITAL	67.30	DOL.	0.135	9.09	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 307.25	\$ _____
HARVEST COSTS					
CUST COTTON PICK	900.00	LB.	0.11	99.00	_____
GIN, BAG, TIES	1.90	BALE	49.00	93.10	_____
SUBTOTAL, HARVEST		ACRE		\$ 192.10	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 499.34	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.27/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 205.35	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.15	_____
EQUIPMENT		ACRE		24.07	_____
IRRIGATION		ACRE		26.40	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	_____
TOTAL FIXED COSTS		ACRE		\$ 147.62	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 646.96	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.44/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 57.74	\$ _____

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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.

COTTON IRRIGATED, LONG SEASON VARIETIES
TEXAS EDWARDS AQUIFER 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	2,30	OCT	1.00	0.263	0.199	2.38	1.31	0.0	3.65	7.34
CHISEL PLOW	1,33	OCT	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
OFFSET DISC	1,34	OCT	1.20	0.273	0.207	2.78	1.37	0.0	6.66	10.81
LAND PLANE	2,50	OCT	0.20	0.050	0.038	0.43	0.25	0.0	1.04	1.73
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
OFFSET DISC	1,34	DEC	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
DRY FERT SPRDER	2,60	FEB	1.00	0.203	0.154	1.81	1.02	15.00	3.84	21.67
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	11.20	1.50	14.42
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.28	1.12	8.00	5.43	16.83
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
TOTALS				2.823	2.403	25.50	14.12	38.20	54.41	132.23

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	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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.	PRICE OF COTTON LINT (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
720.		30.83	66.83	102.83	138.83	174.83
810.		73.09	113.59	154.09	194.59	235.09
900.		115.35	160.35	205.35	250.35	295.35
990.		157.61	207.11	256.61	306.11	355.61
1080.		199.87	253.87	307.87	361.87	415.87

COTTON IRRIGATED, SHORT SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	750.00	LB.	0.50	375.00	_____
COTTONSEED	0.61	TON	90.00	54.90	_____
DEFICIENCY PMT.	750.00	LB.	0.21	157.50	_____
TOTAL PROJECTED RETURNS				\$ 587.40	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.50	8.00	_____
*NITROGEN (ANHY)	25.00	LB.	0.14	3.50	_____
*PHOSPHATE	40.00	LB.	0.30	12.00	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	_____
*INSECTICIDE	5.00	APPL	7.50	37.50	_____
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	2.75	2.75	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		16.98	_____
EQUIPMENT		ACRE		1.39	_____
IRRIGATION		ACRE		34.56	_____
REPAIRS-----TRACTOR		ACRE		4.24	_____
EQUIPMENT		ACRE		2.38	_____
IRRIGATION		ACRE		8.04	_____
LABOR-----MACHINERY	2.62	HOUR	5.00	13.11	_____
IRRIGATION	1.20	HOUR	3.80	4.56	_____
EQUIPMENT	0.63	HOUR	3.80	2.39	_____
OTHER	4.00	HOUR	3.80	15.20	_____
OPERATING CAPITAL	37.51	DOL.	0.135	5.06	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 218.67	\$ _____
HARVEST COSTS					
CUST COTTON PICK	750.00	LB.	0.11	82.50	_____
GIN, BAG, TIES	1.56	BALE	49.00	76.44	_____
SUBTOTAL, HARVEST		ACRE		\$ 158.94	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 377.61	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.22/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 209.79	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.42	_____
EQUIPMENT		ACRE		23.44	_____
IRRIGATION		ACRE		19.80	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.75	ACRE	15.00	11.25	_____
TOTAL FIXED COSTS		ACRE		\$ 133.91	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 511.52	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.40/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 75.88	\$ _____

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 03/23/83.

B-1241(C16)

COTTON IRRIGATED, SHORT SEASON VARIETIES
TEXAS WINTER GARDEN 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	2,30	SEPT	1.00	0.263	0.199	2.38	1.31	0.0	3.65	7.34
CHISEL PLOW	1,33	SEPT	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
OFFSET DISC	1,34	SEPT	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
OFFSET DISC	1,34	NOV	1.20	0.273	0.207	2.78	1.37	0.0	6.66	10.81
LAND PLANE	2,50	NOV	0.20	0.050	0.038	0.43	0.25	0.0	1.04	1.73
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.33	0.76	0.0	1.90	3.98
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
DRY FERT SPRDER	2,60	JAN	1.00	0.203	0.154	1.81	1.02	12.00	3.84	18.67
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.97	0.76	3.50	1.50	6.72
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.28	1.12	8.00	5.43	16.83
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
TOTALS				2.622	2.251	23.38	13.11	27.50	51.05	115.04

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	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		12.00	1.200	0.0	42.60	4.56	0.0	19.80	66.96

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.	PRICE OF COTTON LINT (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
600.00		64.10	94.10	124.10	154.10	184.10
675.00		99.44	133.19	166.94	200.69	234.44
750.00		134.79	172.29	209.79	247.29	284.79
825.00		170.13	211.38	252.63	293.88	335.13
900.00		205.48	250.48	295.48	340.48	385.48

COTTON, DRYLAND, SHORT SEASON VARIETIES
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED		PROJECTED		YOUR ESTIMATE
	YIELD	UNIT	\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	350.00	LB.	0.50	175.00	_____
COTTONSEED	0.28	TON	90.00	25.20	_____
DEFICIENCY PMT.	350.00	LB.	0.21	73.50	_____
TOTAL PROJECTED RETURNS				\$ 273.70	\$ _____
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*SD COTTON-UPLAND	12.00	LB.	0.50	6.00	_____
*NITROGEN (ANHY)	25.00	LB.	0.14	3.50	_____
*PHOSPHATE	20.00	LB.	0.30	6.00	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	3.00	APPL	7.50	22.50	_____
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	2.75	2.75	_____
FUEL & LUBE--TRACTOR		ACRE		10.68	_____
EQUIPMENT		ACRE		1.39	_____
REPAIRS-----TRACTOR		ACRE		2.70	_____
EQUIPMENT		ACRE		2.04	_____
LABOR-----MACHINERY	2.08	HOUR	5.00	10.41	_____
EQUIPMENT	0.63	HOUR	3.80	2.39	_____
OPERATING CAPITAL	15.40	DOL.	0.135	2.08	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 99.44	\$ _____
HARVEST COSTS					
CUST HARV, STRIP	14.00	CWT.	1.75	24.50	_____
GIN STRPR COTTON	14.00	CWT.	1.75	24.50	_____
BL,BG,TIE-ST CTN	0.70	BALE	13.00	9.10	_____
SUBTOTAL, HARVEST		ACRE		\$ 58.10	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 157.54	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.17/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 116.16	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		20.59	_____
EQUIPMENT		ACRE		18.59	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
TOTAL FIXED COSTS		ACRE		\$ 66.69	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 224.23	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.36/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 49.47	\$ _____

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.

COTTON, DRYLAND, SHORT SEASON VARIETIES
TEXAS EDWARDS AQUIFER 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	3,30	SEPT	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
CHISEL PLOW	3,33	SEPT	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	4.00	2.13	6.21
DRY FERT SPRDER	3,60	JAN	1.00	0.203	0.154	1.46	1.02	6.00	3.82	12.29
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.97	0.76	3.50	1.50	6.72
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.89	1.12	6.00	5.40	14.41
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
TOTALS				2.082	1.842	15.19	10.41	19.50	37.38	82.48

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)

		0.40	0.45	0.50	0.55	0.60
QUANTITY OF COTTON LINT	LB.					
	280.00	45.04	59.04	73.04	87.04	101.04
	315.00	63.10	78.85	94.60	110.35	126.10
	350.00	81.16	98.66	116.16	133.66	151.16
	385.00	99.22	118.47	137.72	156.97	176.22
	420.00	117.28	138.28	159.28	180.28	201.28

GRAIN SORGHUM, DRYLAND
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	25.00	CWT.	4.35	108.75	_____
DEFICIENCY PMT.	25.00	CWT.	0.36	9.00	_____
TOTAL PROJECTED RETURNS				\$ 117.75	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*GRAIN SORG. SEED	4.00	LB.	0.76	3.04	_____
*NITROGEN (ANHY)	60.00	LB.	0.14	8.40	_____
*PHOSPHATE	40.00	LB.	0.30	12.00	_____
*HERBICIDE	1.00	ACRE	8.00	8.00	_____
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	2.00	APPL	8.00	16.00	_____
INSECT. APPLI.	2.00	APPL	2.75	5.50	_____
FUEL & LUBE--TRACTOR		ACRE		11.01	_____
EQUIPMENT		ACRE		1.39	_____
REPAIRS-----TRACTOR		ACRE		2.78	_____
EQUIPMENT		ACRE		2.00	_____
LABOR-----MACHINERY	2.15	HOUR	5.00	10.73	_____
EQUIPMENT	0.63	HOUR	3.80	2.39	_____
OPERATING CAPITAL	24.11	DOL.	0.135	3.25	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 90.50	\$ _____
HARVEST COSTS					
CUSTOM HARVEST D	1.00	ACRE	18.00	18.00	_____
HAUL GRAIN SORG	25.00	CWT.	0.30	7.50	_____
SUBTOTAL, HARVEST		ACRE		\$ 25.50	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 116.00	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS \$ 4.28/CWT. GRAIN SORGHUM					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 1.75	\$ _____
4. FIXED COSTS					
DEPREC..INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		21.23	_____
EQUIPMENT		ACRE		17.42	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 53.15	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 169.15	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS \$ 6.41/CWT. GRAIN SORGHUM					
6. NET PROJECTED RETURNS		ACRE		\$ -51.40	\$ _____

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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, DRYLAND
 TEXAS EDWARDS AQUIFER 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	3,30	AUG	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
CHISEL PLOW	3,33	AUG	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	12.00	3.82	18.29
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.89	1.12	3.04	5.40	11.45
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
TOTALS				2.147	1.626	15.57	10.73	23.44	36.85	86.59

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF GRAIN SORGHUM (DOLLARS)				
		3.48	3.91	4.35	4.78	5.22
QUANTITY OF GRAIN SORGHUM	CWT.					
	20.00	-37.70	-29.00	-20.30	-11.60	-2.90
	22.50	-28.85	-19.06	-9.28	0.51	10.30
	25.00	-20.00	-9.13	1.75	12.62	23.50
	27.50	-11.15	0.81	12.77	24.74	36.70
	30.00	-2.30	10.75	23.80	36.85	49.90

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

GRAIN SORGHUM, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	50.00	CWT.	4.35	217.50	
DEFICIENCY PMT.	50.00	CWT.	0.36	18.00	
TOTAL PROJECTED RETURNS				\$ 235.50	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*GRAIN SORG. SEED	6.00	LB.	0.76	4.56	
*NITROGEN (ANHY)	120.00	LB.	0.14	16.80	
*PHOSPHATE	60.00	LB.	0.30	18.00	
*HERBICIDE	1.00	ACRE	8.00	8.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	2.00	APPL	8.00	16.00	
INSECT. APPLI.	2.00	APPL	2.75	5.50	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		12.28	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		34.56	
REPAIRS-----TRACTOR		ACRE		3.11	
EQUIPMENT		ACRE		2.02	
IRRIGATION		ACRE		8.04	
LABOR-----MACHINERY	2.39	HOURL	5.00	11.97	
IRRIGATION	1.20	HOURL	3.80	4.56	
EQUIPMENT	0.28	HOURL	3.80	1.06	
OPERATING CAPITAL	44.88	DOL.	0.135	6.06	
SUBTOTAL, PREHARVEST		ACRE		\$ 170.13	\$
HARVEST COSTS					
CUSTOM HARVEST I	50.00	CWT.	0.45	22.50	
HAUL GRAIN SORG	50.00	CWT.	0.30	15.00	
SUBTOTAL, HARVEST		ACRE		\$ 37.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 207.63	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.79/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 27.87	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		23.68	
EQUIPMENT		ACRE		17.83	
IRRIGATION		ACRE		19.80	
LAND-CASH RENT	1.00	ACRE	35.00	35.00	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
TOTAL FIXED COSTS		ACRE		\$ 111.31	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 318.94	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.02/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -83.44	\$

A FALL APPLICATION OF A HERBICIDE MAY BE NECESSARY IF WEEDS BECOME A PROBLEM

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, IRRIGATED
TEXAS EDWARDS AQUIFER 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 PLOW	3,33	AUG	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	AUG	1.00	0.228	0.173	1.62	1.14	0.0	4.72	7.49
OFFSET DISC	3,34	DEC	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
LAND PLANE	3,50	DEC	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.63
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.07	0.76	0.0	1.88	3.70
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	18.00	3.82	24.29
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	16.80	1.50	20.02
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.89	1.12	4.56	5.40	12.97
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.52	1.08	0.0	3.48	6.08
SHREDDER	3,30	JULY	1.00	0.263	0.199	1.92	1.31	0.0	3.62	6.85
TOTALS				2.394	1.814	17.30	11.97	39.36	40.71	109.34

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	JAN	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		12.00	1.200	0.0	42.60	4.56	0.0	19.80	66.96

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)

	3.48	3.91	4.35	4.78	5.22
CWT.					
40.00	-46.53	-29.13	-11.73	5.67	23.07
45.00	-31.08	-11.50	8.07	27.65	47.22
50.00	-15.63	6.12	27.87	49.62	71.37
55.00	-0.18	23.75	47.67	71.60	95.52
60.00	15.27	41.37	67.47	93.57	119.67

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

GUAR, IRRIGATED
1983 PROJECTED COSTS AND RETURNS PER ACRE
ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
GUAR	17.50	CWT.	20.00	350.00	
TOTAL PROJECTED RETURNS				\$ 350.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*INSECTICIDE	1.00	APPL	8.00	8.00	
*GUAR SEED	8.00	LB.	0.65	5.20	
*INNOCULANT	1.00	ACRE	0.50	0.50	
*NITROGEN (ANHY)	100.00	LB.	0.14	14.00	
*PHOSPHATE	45.00	LB.	0.30	13.50	
*HERBICIDE	1.00	ACRE	4.00	4.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
INSECT. APPLI.	1.00	APPL	2.75	2.75	
IRRIGATION WATER	13.00	ACIN			
FUEL & LUBE---TRACTOR		ACRE		8.80	
EQUIPMENT		ACRE		1.39	
IRRIGATION		ACRE		37.44	
REPAIRS-----TRACTOR		ACRE		1.86	
EQUIPMENT		ACRE		2.04	
IRRIGATION		ACRE		8.71	
LABOR-----MACHINERY	1.97	HOUR	5.00	9.86	
IRRIGATION	1.30	HOUR	3.80	4.94	
EQUIPMENT	0.63	HOUR	3.80	2.39	
OTHER	2.00	HOUR	3.80	7.60	
OPERATING CAPITAL	36.49	DOL.	0.135	4.93	
SUBTOTAL, PREHARVEST		ACRE		\$ 141.91	\$
HARVEST COSTS					
CUS HARV GUAR	1.00	ACRE	25.00	25.00	
HAUL GUAR	17.50	CWT.	0.25	4.38	
SUBTOTAL, HARVEST		ACRE		\$ 29.38	\$
TOTAL VARIABLE COSTS		ACRE		\$ 171.28	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 9.79/CWT.	GUAR	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 178.72	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		20.31	
EQUIPMENT		ACRE		16.05	
IRRIGATION		ACRE		21.45	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 95.31	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 266.59	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 15.23/CWT.	GUAR	
6. NET PROJECTED RETURNS		ACRE		\$ 83.41	\$

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GUAR, IRRIGATED
1983 PROJECTED COSTS AND RETURNS PER ACRE
ESTIMATED 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
MOLDBOARD PLOW	3,32	DEC	0.50	0.285	0.216	2.35	1.43	0.0	5.87	9.64
CHISEL PLOW	3,33	DEC	0.50	0.101	0.076	0.76	0.50	0.0	1.31	2.57
TAMDEN DISC	3,58	JAN	1.00	0.208	0.158	1.43	1.04	0.0	3.54	6.02
BEDDER 6R	4,36	JAN	1.00	0.151	0.115	0.77	0.76	0.0	2.00	3.52
ROLLING CULT 6R	4,38	FEB	1.00	0.216	0.164	1.10	1.08	0.0	3.65	5.83
PLANTER 6R	4,42	APR	1.00	0.224	0.170	1.45	1.12	5.70	5.58	13.85
DRY FERT SPRDER	3,60	APR	1.00	0.203	0.154	1.46	1.02	13.50	3.82	19.79
ANHYDROUS SPRDER	3,61	APR	1.00	0.151	0.115	0.97	0.76	14.00	1.50	17.22
ROLLING CULT 6R	4,38	MAY	1.00	0.216	0.164	1.10	1.08	0.0	3.65	5.83
ROLLING CULT 6R	4,38	JUNE	1.00	0.216	0.164	1.10	1.08	0.0	3.65	5.83
TOTALS				1.972	1.494	12.48	9.86	33.20	34.56	90.10

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	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	MAY	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	JUNE	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	JULY	3.00	0.300	0.0	10.65	1.14	0.0	4.95	16.74
TOTALS		13.00	1.300	0.0	46.15	4.94	0.0	21.45	72.54

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 GUAR (DOLLARS)				
		16.00	18.00	20.00	22.00	24.00
QUANTITY OF GUAR	CWT.					
	14.00	53.59	81.59	109.59	137.59	165.59
	15.75	81.15	112.65	144.15	175.65	207.15
	17.50	108.72	143.72	178.72	213.72	248.72
	19.25	136.28	174.78	213.28	251.78	290.28
	21.00	163.84	205.84	247.84	289.84	331.84

GUAR, DRYLAND
1983 PROJECTED COSTS AND RETURNS PER ACRE
ESTIMATED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
GUAR	8.00	CWT.	20.00	160.00	_____
TOTAL PROJECTED RETURNS				\$ 160.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GUAR SEED	8.00	LB.	0.65	5.20	_____
*INNOCULANT	1.00	ACRE	0.50	0.50	_____
*NITROGEN (ANHY)	50.00	LB.	0.14	7.00	_____
*PHOSPHATE	15.00	LB.	0.30	4.50	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	1.00	APPL	8.00	8.00	_____
INSECT. APPLI.	1.00	APPL	2.75	2.75	_____
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	_____
FUEL & LUBE--TRACTOR		ACRE		7.94	_____
EQUIPMENT		ACRE		1.08	_____
REPAIRS-----TRACTOR		ACRE		1.72	_____
EQUIPMENT		ACRE		1.64	_____
LABOR-----MACHINERY	1.75	HOURL	5.00	8.75	_____
EQUIPMENT	0.49	HOURL	3.80	1.86	_____
OPERATING CAPITAL	10.88	DOL.	0.135	1.47	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 60.41	\$ _____
HARVEST COSTS					
CUS HARV GUAR	1.00	ACRE	25.00	25.00	_____
HAUL GUAR	8.00	CWT.	0.25	2.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 27.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 87.41	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS				\$ 10.93/CWT. GUAR	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 72.59	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.93	_____
EQUIPMENT		ACRE		14.26	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 59.70	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 147.10	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS				\$ 18.39/CWT. GUAR	
6. NET PROJECTED RETURNS		ACRE		\$ 12.90	\$ _____

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GUAR, DRYLAND
 1983 PROJECTED COSTS AND RETURNS PER ACRE
 ESTIMATED 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
MOLDBOARD PLOW	3,32	NOV	0.30	0.171	0.130	1.41	0.86	0.0	3.52	5.78
TAMDEN DISC	3,58	JAN	1.00	0.208	0.158	1.43	1.04	0.0	3.54	6.02
TAMDEN DISC	3,58	MAY	1.00	0.208	0.158	1.43	1.04	0.0	3.54	6.02
BEDDER 6R	4,36	MAY	1.00	0.151	0.115	0.77	0.76	0.0	2.00	3.52
DRY FERT SPRDER	3,60	MAY	1.00	0.203	0.154	1.46	1.02	4.50	3.82	10.79
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.97	0.76	7.00	1.50	10.22
PLANTER 6R	4,42	JUNE	1.00	0.224	0.170	1.45	1.12	5.70	5.58	13.85
ROLLING CULT 6R	4,38	JULY	1.00	0.216	0.164	1.10	1.08	0.0	3.65	5.83
ROLLING CULT 6R	4,38	AUG	1.00	0.216	0.164	1.10	1.08	0.0	3.65	5.83
TOTALS				1.750	1.325	11.12	8.75	17.20	30.79	67.86

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 GUAR (DOLLARS)				
		16.00	18.00	20.00	22.00	24.00
QUANTITY OF GUAR	CWT.					
	6.40	15.39	28.19	40.99	53.79	66.59
	7.20	27.99	42.39	56.79	71.19	85.59
	8.00	40.59	56.59	72.59	88.59	104.59
	8.80	53.19	70.79	88.39	105.99	123.59
	9.60	65.79	84.99	104.19	123.39	142.59

PEANUTS, FLORUNNER, IRRIGATED
TEXAS WINTER GARDEN REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
FLORUNNER PEANUT	27.50	CWT.	28.00	770.00	
OATS GRAZING AUD	45.00	DAYS	0.50	22.50	
TOTAL PROJECTED RETURNS				\$ 792.50	\$
2. VARIABLE COSTS		INPUT USE			
PREHARVEST COSTS					
*PEANUT SEED	100.00	LB.	0.58	58.00	
*NITROGEN (DRY)	20.00	LB.	0.25	5.00	
*PHOSPHATE	50.00	LB.	0.30	15.00	
*POTASH	30.00	LB.	0.12	3.60	
CUSTOM FERTILIZE	1.00	ACRE	1.80	1.80	
*NEMATICIDE	1.00	ACRE	8.60	8.60	
*HERBICIDE	1.00	ACRE	4.10	4.10	
GEN. & HAIL INS.	1.00	ACRE	13.00	13.00	
*INSECTICIDE	2.00	APPL	4.10	8.20	
*FUNGICIDE	9.00	APPL	7.00	63.00	
PESTICIDE APPLI.	9.00	ACRE	3.50	31.50	
ALLOTMENT LEASE	27.50	CWT.	2.65	72.87	
*OATS SEED	60.00	LB.	0.15	9.00	
IRRIGATION WATER	17.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		19.11	
EQUIPMENT		ACRE		1.32	
IRRIGATION		ACRE		48.96	
REPAIRS-----TRACTOR		ACRE		4.74	
EQUIPMENT		ACRE		3.26	
IRRIGATION		ACRE		11.39	
LABOR-----MACHINERY	2.69	HOUR	5.00	13.47	
IRRIGATION	1.70	HOUR	3.80	6.46	
EQUIPMENT	0.60	HOUR	3.80	2.28	
OTHER	3.00	HOUR	3.80	11.40	
OPERATING CAPITAL	47.49	DOL.	0.135	6.41	
SUBTOTAL, PREHARVEST		ACRE		\$ 422.48	\$
HARVEST COSTS					
*CUSTOM HAUL	1.50	TON	7.00	10.50	
*CUSTOM DRYING	1.50	TON	25.00	37.50	
FUEL & LUBE--TRACTOR		ACRE		10.45	
REPAIRS-----TRACTOR		ACRE		2.86	
EQUIPMENT		ACRE		2.00	
LABOR-----MACHINERY	1.63	HOUR	5.00	8.15	
SUBTOTAL, HARVEST		ACRE		\$ 71.46	\$
TOTAL VARIABLE COSTS		ACRE		\$ 493.94	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 17.14/CWT.	FLORUNNER PEANUT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 298.56	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		48.31	
EQUIPMENT		ACRE		32.18	
IRRIGATION		ACRE		28.05	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
LAND-CASH RENT	1.00	ACRE	50.00	50.00	
TOTAL FIXED COSTS		ACRE		\$ 173.54	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 667.48	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 23.45/CWT.	FLORUNNER PEANUT	
6. NET PROJECTED RETURNS		ACRE		\$ 125.02	\$

OATS GRAZING IS IN ANIMAL UNIT DAYS (AUD).

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.

PEANUTS, FLORUNNER, IRRIGATED
TEXAS WINTER GARDEN 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
OFFSET DISC	1,34	SEPT	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
TAMDEN DISC	1,58	SEPT	1.00	0.208	0.158	2.07	1.04	0.0	4.30	7.41
GRAIN DRILL	2,46	OCT	1.00	0.270	0.205	2.46	1.35	9.00	6.16	18.97
OFFSET DISC	1,34	FEB	1.00	0.228	0.173	2.31	1.14	0.0	5.55	9.01
CHISEL PLOW	1,33	MAR	1.00	0.202	0.153	2.12	1.01	0.0	3.36	6.49
MOLDBOARD PLOW	1,32	MAR	1.00	0.571	0.432	6.42	2.85	0.0	13.81	23.09
BEDDER 6R	2,36	MAR	2.00	0.302	0.229	2.66	1.51	0.0	3.80	7.97
PEANUT PLANTER	2,68	APR	1.00	0.318	0.241	3.25	1.59	58.00	6.47	69.30
ROLLING CULT 6R	2,38	APR	1.00	0.216	0.164	1.90	1.08	0.0	3.51	6.48
HERBICIDE SPRAYR	63	APR	1.00	0.0	0.264	0.08	0.0	4.10	2.13	6.31
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.39
PEANUT DIG SHK2R	2,66	AUG	1.00	1.084	0.821	9.74	5.42	0.0	11.57	26.72
PEANUT COMB. 4R	2,67	AUG	1.00	0.546	0.414	5.57	2.73	48.00	10.25	66.55
TOTALS				4.323	3.540	42.21	21.62	119.10	78.77	261.70

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	0.300	0.0	10.65	1.14	0.0	4.95	16.74
WATER APPLICATION	JUNE	2.00	0.200	0.0	7.10	0.76	0.0	3.30	11.16
WATER APPLICATION	JULY	6.00	0.600	0.0	21.30	2.28	0.0	9.90	33.48
WATER APPLICATION	AUG	6.00	0.600	0.0	21.30	2.28	0.0	9.90	33.48
TOTALS		17.00	1.700	0.0	60.35	6.46	0.0	28.05	94.86

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 FLORUNNER PEANUT
(DOLLARS)

		22.40	25.20	28.00	30.80	33.60
CWT.						
QUANTITY OF FLORUNNER PEANUT	22.00	45.54	107.14	168.74	230.34	291.94
	24.75	95.05	164.35	233.65	302.95	372.25
	27.50	144.56	221.56	298.56	375.56	452.56
	30.25	194.07	278.77	363.47	448.17	532.87
	33.00	243.59	335.99	428.39	520.79	613.19