

FORAGE SORGHUM HAY, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SORGHUM HAY	10.00	TON	65.00	650.00	
TOTAL PROJECTED RETURNS				\$ 650.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*FORAGE SORG SEED	40.00	LB.	0.32	12.80	
*NITROGEN (ANHY)	240.00	LB.	0.13	31.20	
*PHOSPHATE	60.00	LB.	0.22	13.20	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		9.38	
EQUIPMENT		ACRE		1.40	
IRRIGATION		ACRE		100.00	
REPAIRS-----TRACTOR		ACRE		2.78	
EQUIPMENT		ACRE		1.30	
IRRIGATION		ACRE		12.00	
LABOR-----MACHINERY	1.87	HOURL	5.00	9.33	
IRRIGATION	2.00	HOURL	4.00	8.00	
EQUIPMENT	0.63	HOURL	4.00	2.51	
OPERATING CAPITAL	7.49	DOL.	0.125	0.94	
SUBTOTAL, PREHARVEST		ACRE		\$ 204.84	\$
HARVEST COSTS					
MOW, RAKE, BALE	330.00	BALE	0.90	297.00	
CUSTOM HAUL	330.00	BALE	0.15	49.50	
SUBTOTAL, HARVEST		ACRE		\$ 346.50	\$
TOTAL VARIABLE COSTS		ACRE		\$ 551.34	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 55.13/TON	SORGHUM HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 98.66	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		19.79	
EQUIPMENT		ACRE		11.52	
IRRIGATION		ACRE		40.80	
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		\$ 119.61	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 670.95	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 67.09/TON	SORGHUM HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -20.95	\$

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, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 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	1.94	1.31	0.0	3.74	7.00
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
OFFSET DISC	3,34	NOV	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
LAND PLANE	3,50	NOV	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.64
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	13.20	3.85	19.55
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	2.02	1.35	12.80	6.12	22.29
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
ANHYDROUS SPRDER	3,61	JUNE	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
ANHYDROUS SPRDER	3,61	JULY	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
TOTALS				1.866	1.414	13.23	9.33	57.20	29.59	109.36

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	APR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JUNE	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JULY	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	AUG	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		20.00	2.000	0.0	112.00	8.00	0.0	40.80	160.80

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)

		52.00	58.50	65.00	71.50	78.00
QUANTITY OF SORGHUM HAY	TON					
	8.00	-66.04	-14.04	37.96	89.96	141.96
	9.00	-48.69	9.81	68.31	126.81	185.31
	10.00	-31.34	33.66	98.66	163.66	228.66
	11.00	-13.99	57.51	129.01	200.51	272.01
	12.00	3.36	81.36	159.36	237.36	315.36

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

CORN FOR SILAGE, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 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					
PREHARVEST COSTS					
*SEED CORN/SILAGE	20.00	LB.	1.00	20.00	
*NITROGEN (ANHY)	160.00	LB.	0.13	20.80	
*PHOSPHATE	80.00	LB.	0.22	17.60	
*HERBICIDE	1.00	ACRE	15.00	15.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	1.00	APPL	10.00	10.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		12.54	
EQUIPMENT		ACRE		2.18	
IRRIGATION		ACRE		80.00	
REPAIRS-----TRACTOR		ACRE		3.55	
EQUIPMENT		ACRE		2.04	
IRRIGATION		ACRE		9.60	
LABOR-----MACHINERY	2.13	HOUR	5.00	10.66	
IRRIGATION	1.60	HOUR	4.00	6.40	
EQUIPMENT	0.98	HOUR	4.00	3.92	
OPERATING CAPITAL	62.29	DOL.	0.125	7.79	
SUBTOTAL, PREHARVEST		ACRE		\$ 226.08	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 226.08	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 15.07/TON	CORN SILAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 118.92	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.14	
EQUIPMENT		ACRE		17.74	
IRRIGATION		ACRE		32.64	
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		\$ 123.02	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 349.10	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 23.27/TON	CORN SILAGE	
6. NET PROJECTED RETURNS		ACRE		\$ -4.10	\$

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 WINTER GARDEN REGION
1984 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	2.14	1.01	0.0	3.46	6.61
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.80	1.37	0.0	6.68	10.85
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.44	0.25	0.0	1.03	1.72
OFFSET DISC	1,34	OCT	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	20.80	1.60	24.15
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	17.60	3.85	23.95
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.91	1.12	30.00	5.38	38.40
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
TOTALS				2.131	1.615	17.78	10.66	68.40	40.21	137.04

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	APR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAY	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	0.0	32.64	128.64

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	-5.28	22.32	49.92	77.52	105.12
	13.50	22.32	53.37	84.42	115.47	146.52
	15.00	49.92	84.42	118.92	153.42	187.92
	16.50	77.52	115.47	153.42	191.37	229.32
	18.00	105.12	146.52	187.92	229.32	270.72

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

FOOD CORN, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
CORN	100.00	BU.	3.95	395.00	_____
DEFICIENCY PMT.	100.00	BU.	0.35	35.00	_____
TOTAL PROJECTED RETURNS				\$ 430.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SEED CORN/GRAIN	15.00	LB.	1.40	21.00	_____
*NITROGEN (ANHY)	200.00	LB.	0.13	26.00	_____
*PHOSPHATE	90.00	LB.	0.22	19.80	_____
*NITROGEN (DRY)	40.00	LB.	0.26	10.40	_____
*HERBICIDE	1.00	ACRE	15.00	15.00	_____
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	1.00	APPL	10.00	10.00	_____
GEN. & HAIL INS.	1.00	ACRE	15.00	15.00	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		14.38	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		4.13	_____
EQUIPMENT		ACRE		2.14	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	2.39	HOURL	5.00	11.97	_____
IRRIGATION	1.60	HOURL	4.00	6.40	_____
EQUIPMENT	0.63	HOURL	4.00	2.52	_____
OPERATING CAPITAL	83.34	DOL.	0.125	10.42	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 264.17	\$ _____
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		\$ 306.17	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.71/BU.	CORN	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 123.83	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		27.82	_____
EQUIPMENT		ACRE		17.74	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	65.00	65.00	_____
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	_____
TOTAL FIXED COSTS		ACRE		\$ 158.20	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 464.37	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.29/BU.	CORN	
6. NET PROJECTED RETURNS		ACRE		\$ -34.37	\$ _____

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

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FOOD CORN, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 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	2.33	1.14	0.0	5.57	9.04
BEDDER 6R	2,36	NOV	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	30.20	3.85	36.55
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.91	1.12	31.00	5.38	39.40
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	26.00	1.60	29.35
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
SHREDDER	2,30	AUG	1.00	0.263	0.199	2.39	1.31	0.0	3.67	7.38
CHISEL PLOW	1,33	AUG	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.80	1.37	0.0	6.68	10.85
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.44	0.25	0.0	1.03	1.72
TOTALS				2.394	1.814	20.43	11.97	87.20	43.84	163.45

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	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	APR	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	MAY	6.00	0.600	0.0	33.60	2.40	0.0	12.24	48.24
WATER APPLICATION	JUNE	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	0.0	32.64	128.64

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)				
		3.16	3.55	3.95	4.34	4.74
QUANTITY OF CORN	BU.					
	80.00	-21.97	9.63	41.23	72.83	104.43
	90.00	11.43	46.98	82.53	118.08	153.63
	100.00	44.83	84.33	123.83	163.33	202.83
	110.00	78.23	121.68	165.13	208.58	252.03
	120.00	111.63	159.03	206.43	253.83	301.23

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

COTTON IRRIGATED, LONG SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	900.00	LB.	0.68	612.00	_____
COTTONSEED	0.73	TON	180.00	131.40	_____
DEFICIENCY PMT.	900.00	LB.	0.18	162.00	_____
TOTAL PROJECTED RETURNS				\$ 905.40	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.60	9.60	_____
*NITROGEN (ANHY)	80.00	LB.	0.13	10.40	_____
*PHOSPHATE	50.00	LB.	0.22	11.00	_____
*HERBICIDE	1.00	ACRE	8.00	8.00	_____
GEN. & HAIL INS.	1.00	ACRE	14.00	14.00	_____
*INSECTICIDE	10.00	APPL	8.50	85.00	_____
PESTICIDE APPLI.	10.00	ACRE	3.50	35.00	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	3.50	3.50	_____
*GROWTH RETARDANT	1.00	APPL	12.00	12.00	_____
CUST RETARD APPL	1.00	APPL	3.50	3.50	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		18.16	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		5.19	_____
EQUIPMENT		ACRE		2.60	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	2.82	HOURL	5.00	14.12	_____
IRRIGATION	1.60	HOURL	4.00	6.40	_____
EQUIPMENT	0.63	HOURL	4.00	2.52	_____
OTHER	4.00	HOURL	4.00	16.00	_____
OPERATING CAPITAL	75.16	DOL.	0.125	9.39	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 369.88	\$ _____
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		\$ 561.98	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.30/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 343.42	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		33.83	_____
EQUIPMENT		ACRE		22.67	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	65.00	65.00	_____
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	_____
TOTAL FIXED COSTS		ACRE		\$ 169.13	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 731.11	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.49/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 174.29	\$ _____

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COTTON IRRIGATED, LONG SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1984 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	2.39	1.31	0.0	3.67	7.38
CHISEL PLOW	1,33	OCT	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
OFFSET DISC	1,34	OCT	1.20	0.273	0.207	2.80	1.37	0.0	6.68	10.85
LAND PLANE	2,50	OCT	0.20	0.050	0.038	0.44	0.25	0.0	1.03	1.72
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
OFFSET DISC	1,34	DEC	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
DRY FERT SPRDER	2,60	FEB	1.00	0.203	0.154	1.83	1.02	11.00	3.80	17.64
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	10.40	1.60	13.75
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.29	1.12	9.60	5.32	18.33
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
TOTALS				2.823	2.403	25.72	14.12	39.00	54.77	133.61

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	APR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JUNE	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	AUG	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		16.00	1.600	0.0	89.60	6.40	0.0	32.64	128.64

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.	0.54	0.61	0.68	0.75	0.82
	720.	102.84	151.80	200.76	249.72	298.68
	810.	161.93	217.01	272.09	327.17	382.25
	900.	221.02	282.22	343.42	404.62	465.82
	990.	280.11	347.43	414.75	482.07	549.39
	1080.	339.20	412.64	486.08	559.52	632.96

COTTON IRRIGATED, SHORT SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	750.00	LB.	0.68	510.00	_____
COTTONSEED	0.61	TON	180.00	109.80	_____
DEFICIENCY PMT.	750.00	LB.	0.18	135.00	_____
TOTAL PROJECTED RETURNS				\$ 754.80	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.60	9.60	_____
*NITROGEN (ANHY)	25.00	LB.	0.13	3.25	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
*HERBICIDE	1.00	ACRE	8.00	8.00	_____
GEN. & HAIL INS.	1.00	ACRE	14.00	14.00	_____
*INSECTICIDE	5.00	APPL	8.50	42.50	_____
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	3.50	3.50	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		16.64	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		4.78	_____
EQUIPMENT		ACRE		2.38	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	2.62	HOUR	5.00	13.11	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OTHER	4.00	HOUR	4.00	16.00	_____
OPERATING CAPITAL	36.33	DOL.	0.125	4.54	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 253.03	\$ _____
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		\$ 411.97	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.22/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 342.83	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		30.95	_____
EQUIPMENT		ACRE		22.08	_____
IRRIGATION		ACRE		24.48	_____
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		\$ 138.76	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 550.73	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.41/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 204.07	\$ _____

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.

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 04/11/84.

B-1241(C12)

COTTON IRRIGATED, SHORT SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1984 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	2.39	1.31	0.0	3.67	7.38
CHISEL PLOW	1,33	SEPT	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
OFFSET DISC	1,34	SEPT	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
OFFSET DISC	1,34	NOV	1.20	0.273	0.207	2.80	1.37	0.0	6.68	10.85
LAND PLANE	2,50	NOV	0.20	0.050	0.038	0.44	0.25	0.0	1.03	1.72
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
DRY FERT SPRDER	2,60	JAN	1.00	0.203	0.154	1.83	1.02	8.80	3.80	15.44
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.99	0.76	3.25	1.60	6.60
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.29	1.12	9.60	5.32	18.33
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
TOTALS				2.622	2.251	23.58	13.11	29.65	51.31	117.65

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAY	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	JUNE	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		12.00	1.200	0.0	67.20	4.80	0.0	24.48	96.48

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)

LB.	0.54	0.61	0.68	0.75	0.82
600.00	142.06	182.86	223.66	264.46	305.26
675.00	191.45	237.35	283.25	329.15	375.05
750.00	240.83	291.83	342.83	393.83	444.83
825.00	290.22	346.32	402.42	458.52	514.62
900.00	339.61	400.81	462.01	523.21	584.41

QUANTITY OF
COTTON LINT

COTTON, DRYLAND, SHORT SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	350.00	LB.	0.55	192.50	_____
COTTONSEED	0.28	TON	180.00	50.40	_____
DEFICIENCY PMT.	350.00	LB.	0.18	63.00	_____
TOTAL PROJECTED RETURNS				\$ 305.90	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	12.00	LB.	0.60	7.20	_____
*NITROGEN (ANHY)	25.00	LB.	0.13	3.25	_____
*PHOSPHATE	20.00	LB.	0.22	4.40	_____
*HERBICIDE	1.00	ACRE	8.00	8.00	_____
*INSECTICIDE	3.00	APPL	8.50	25.50	_____
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	_____
*DEFOLIANT	1.00	ACRE	12.50	12.50	_____
DEFOLIANT APPLI.	1.00	ACRE	3.50	3.50	_____
FUEL & LUBE--TRACTOR		ACRE		10.46	_____
EQUIPMENT		ACRE		1.40	_____
REPAIRS-----TRACTOR		ACRE		3.10	_____
EQUIPMENT		ACRE		2.04	_____
LABOR-----MACHINERY	2.08	HOURL	5.00	10.41	_____
EQUIPMENT	0.63	HOURL	4.00	2.52	_____
OPERATING CAPITAL	15.70	DOL.	0.125	1.96	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 106.75	\$ _____
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		\$ 164.85	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.15/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 141.05	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		22.07	_____
EQUIPMENT		ACRE		17.52	_____
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		\$ 67.09	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 231.93	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.34/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 73.97	\$ _____

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COTTON, DRYLAND, SHORT SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1984 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	1.94	1.31	0.0	3.74	7.00
CHISEL PLOW	3,33	SEPT	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
DRY FERT SPRDER	3,60	JAN	1.00	0.203	0.154	1.48	1.02	4.40	3.85	10.75
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.99	0.76	3.25	1.60	6.60
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.91	1.12	7.20	5.38	15.60
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
TOTALS				2.082	1.842	15.37	10.41	22.85	37.87	86.50

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 COTTON LINT
(DOLLARS)

		0.44	0.49	0.55	0.60	0.66
QUANTITY OF COTTON LINT	LB.					
	280.00	60.69	76.09	91.49	106.89	122.29
	315.00	81.62	98.95	116.27	133.60	150.92
	350.00	102.55	121.80	141.05	160.30	179.55
	385.00	123.48	144.66	165.83	187.01	208.18
	420.00	144.41	167.51	190.61	213.71	236.81

GRAIN SORGHUM, DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	25.00	CWT.	4.75	118.75	
DEFICIENCY PMT.	25.00	CWT.	0.82	20.50	
TOTAL PROJECTED RETURNS				\$ 139.25	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GRAIN SORG. SEED	4.00	LB.	0.76	3.04	
*NITROGEN (ANHY)	60.00	LB.	0.13	7.80	
*PHOSPHATE	40.00	LB.	0.22	8.80	
*HERBICIDE	1.00	ACRE	10.00	10.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	2.00	APPL	8.00	16.00	
INSECT. APPLI.	2.00	APPL	3.50	7.00	
FUEL & LUBE--TRACTOR		ACRE		10.79	
EQUIPMENT		ACRE		1.40	
REPAIRS-----TRACTOR		ACRE		3.19	
EQUIPMENT		ACRE		2.00	
LABOR-----MACHINERY	2.15	HOUR	5.00	10.73	
EQUIPMENT	0.63	HOUR	4.00	2.52	
OPERATING CAPITAL	21.79	DOL.	0.125	2.72	
SUBTOTAL, PREHARVEST		ACRE		\$ 90.00	\$
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		\$ 115.50	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.80/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 23.75	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		22.76	
EQUIPMENT		ACRE		16.41	
LAND-CASH RENT	1.00	ACRE	15.00	15.00	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 58.67	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 174.17	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.15/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -34.92	\$

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

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B-1241(C12)

GRAIN SORGHUM, DRYLAND
TEXAS WINTER GARDEN REGION
1984 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	1.94	1.31	0.0	3.74	7.00
CHISEL PLOW	3,33	AUG	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	8.80	3.85	15.15
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.91	1.12	3.04	5.38	11.44
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
TOTALS				2.147	1.626	15.76	10.73	19.64	37.45	83.58

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF GRAIN SORGHUM
(DOLLARS)

		3.80	4.27	4.75	5.22	5.70
QUANTITY OF GRAIN SORGHUM	CWT.					
	20.00	-21.60	-12.10	-2.60	6.90	16.40
	22.50	-10.80	-0.11	10.58	21.26	31.95
	25.00	0.00	11.88	23.75	35.63	47.50
	27.50	10.80	23.86	36.93	49.99	63.05
	30.00	21.60	35.85	50.10	64.35	78.60

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

GRAIN SORGHUM, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
GRAIN SORGHUM	50.00	CWT.	4.75	237.50	
DEFICIENCY PMT.	50.00	CWT.	0.82	41.00	
TOTAL PROJECTED RETURNS				\$ 278.50	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*GRAIN SORG. SEED	6.00	LB.	0.76	4.56	
*NITROGEN (ANHY)	120.00	LB.	0.13	15.60	
*PHOSPHATE	60.00	LB.	0.22	13.20	
*HERBICIDE	1.00	ACRE	10.00	10.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
*INSECTICIDE	2.00	APPL	8.00	16.00	
INSECT. APPLI.	2.00	APPL	3.50	7.00	
FED CRP (65%@\$4)	1.00	ACRE	4.25	4.25	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		12.03	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		60.00	
REPAIRS-----TRACTOR		ACRE		3.56	
EQUIPMENT		ACRE		2.02	
IRRIGATION		ACRE		7.20	
LABOR-----MACHINERY	2.39	HOOR	5.00	11.97	
IRRIGATION	1.20	HOOR	4.00	4.80	
EQUIPMENT	0.28	HOOR	4.00	1.12	
OPERATING CAPITAL	46.26	DOL.	0.125	5.78	
SUBTOTAL, PREHARVEST		ACRE		\$ 183.72	\$
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		\$ 221.22	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.60/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 57.28	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.38	
EQUIPMENT		ACRE		16.79	
IRRIGATION		ACRE		24.48	
LAND-CASH RENT	1.00	ACRE	40.00	40.00	
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	
TOTAL FIXED COSTS		ACRE		\$ 121.65	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 342.86	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.04/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -64.36	\$

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 WINTER GARDEN REGION
1984 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	1.53	1.01	0.0	2.73	5.27
OFFSET DISC	3,34	AUG	1.00	0.228	0.173	1.64	1.14	0.0	4.74	7.52
OFFSET DISC	3,34	DEC	1.20	0.273	0.207	1.97	1.37	0.0	5.69	9.03
LAND PLANE	3,50	DEC	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.64
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.08	0.76	0.0	1.96	3.80
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	13.20	3.85	19.55
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.99	0.76	15.60	1.60	18.95
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.91	1.12	4.56	5.38	12.96
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.54	1.08	0.0	3.56	6.18
SHREDDER	3,30	JULY	1.00	0.263	0.199	1.94	1.31	0.0	3.74	7.00
TOTALS				2.394	1.814	17.51	11.97	33.36	41.40	104.25

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	JAN	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAR	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAY	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
TOTALS		12.00	1.200	0.0	67.20	4.80	0.0	24.48	96.48

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 GRAIN SORGHUM
(DOLLARS)

		3.80	4.27	4.75	5.22	5.70
CWT.						
QUANTITY OF GRAIN SORGHUM	40.00	-28.92	-9.92	9.08	28.08	47.08
	45.00	-9.57	11.81	33.18	54.56	75.93
	50.00	9.78	33.53	57.28	81.03	104.78
	55.00	29.13	55.26	81.38	107.51	133.63
	60.00	48.48	76.98	105.48	133.98	162.48

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

GUAR, IRRIGATED, TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR 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.	0.13	13.00	
*PHOSPHATE	45.00	LB.	0.22	9.90	
*HERBICIDE	1.00	ACRE	4.00	4.00	
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	
INSECT. APPLI.	1.00	APPL	3.50	3.50	
IRRIGATION WATER	13.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.63	
EQUIPMENT		ACRE		1.40	
IRRIGATION		ACRE		65.00	
REPAIRS-----TRACTOR		ACRE		2.15	
EQUIPMENT		ACRE		2.04	
IRRIGATION		ACRE		7.80	
LABOR-----MACHINERY	1.97	HOUR	5.00	9.86	
IRRIGATION	1.30	HOUR	4.00	5.20	
EQUIPMENT	0.63	HOUR	4.00	2.51	
OTHER	2.00	HOUR	4.00	8.00	
OPERATING CAPITAL	47.36	DOL.	0.125	5.92	
SUBTOTAL, PREHARVEST		ACRE		\$ 166.61	\$
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		\$ 195.98	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 11.20/CWT.	GUAR	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 154.02	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		21.91	
EQUIPMENT		ACRE		15.12	
IRRIGATION		ACRE		26.52	
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		\$ 101.05	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 297.04	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 16.97/CWT.	GUAR	
6. NET PROJECTED RETURNS		ACRE		\$ 52.96	\$

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GUAR, IRRIGATED, TEXAS WINTER GARDEN REGION
1984 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
MOLDBOARD PLOW	3,32	DEC	0.50	0.285	0.216	2.37	1.43	0.0	5.89	9.69
CHISEL PLOW	3,33	DEC	0.50	0.101	0.076	0.77	0.50	0.0	1.36	2.63
TANDEM DISC	3,58	JAN	1.00	0.208	0.158	1.45	1.04	0.0	3.60	6.10
BEDDER 6R	4,36	JAN	1.00	0.151	0.115	0.77	0.76	0.0	2.11	3.64
ROLLING CULT 6R	4,38	FEB	1.00	0.216	0.164	1.10	1.08	0.0	3.77	5.95
PLANTER 6R	4,42	APR	1.00	0.224	0.170	1.45	1.12	5.70	5.59	13.87
DRY FERT SPRDER	3,60	APR	1.00	0.203	0.154	1.48	1.02	9.90	3.85	16.25
ANHYDROUS SPRDER	3,61	APR	1.00	0.151	0.115	0.99	0.76	13.00	1.60	16.35
ROLLING CULT 6R	4,38	MAY	1.00	0.216	0.164	1.10	1.08	0.0	3.77	5.95
ROLLING CULT 6R	4,38	JUNE	1.00	0.216	0.164	1.10	1.08	0.0	3.77	5.95
TOTALS				1.972	1.494	12.59	9.86	28.60	35.32	86.36

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	MAY	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JUNE	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JULY	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		13.00	1.300	0.0	72.80	5.20	0.0	26.52	104.52

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	28.89	56.89	84.89	112.89	140.89
	15.75	56.45	87.95	119.45	150.95	182.45
	17.50	84.02	119.02	154.02	189.02	224.02
	19.25	111.58	150.08	188.58	227.08	265.58
	21.00	139.14	181.14	223.14	265.14	307.14

GUAR, DRYLAND, TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
GUAR	8.00	CWT.	20.00	160.00	_____
TOTAL PROJECTED RETURNS				\$ 160.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*GUAR SEED	8.00	LB.	0.65	5.20	_____
*INNOCULANT	1.00	ACRE	0.50	0.50	_____
*NITROGEN (ANHY)	50.00	LB.	0.13	6.50	_____
*PHOSPHATE	15.00	LB.	0.22	3.30	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	1.00	APPL	8.00	8.00	_____
INSECT. APPLI.	1.00	APPL	3.50	3.50	_____
HERBICIDE APPLI.	1.00	ACRE	4.00	4.00	_____
FUEL & LUBE--TRACTOR		ACRE		7.78	_____
EQUIPMENT		ACRE		1.09	_____
REPAIRS-----TRACTOR		ACRE		1.98	_____
EQUIPMENT		ACRE		1.64	_____
LABOR-----MACHINERY	1.75	HOUR	5.00	8.75	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	10.28	DOL.	0.125	1.29	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 59.48	\$ _____
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		\$ 86.48	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS				\$ 10.81/CWT. GUAR	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 73.52	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		19.34	_____
EQUIPMENT		ACRE		13.43	_____
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		\$ 60.27	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 146.75	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS				\$ 18.34/CWT. GUAR	
6. NET PROJECTED RETURNS		ACRE		\$ 13.25	\$ _____

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GUAR, DRYLAND, TEXAS WINTER GARDEN REGION
1984 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
MOLDBOARD PLOW	3,32	NOV	0.30	0.171	0.130	1.42	0.86	0.0	3.53	5.81
TANDEM DISC	3,58	JAN	1.00	0.208	0.158	1.45	1.04	0.0	3.60	6.10
TANDEM DISC	3,58	MAY	1.00	0.208	0.158	1.45	1.04	0.0	3.60	6.10
BEDDER 6R	4,36	MAY	1.00	0.151	0.115	0.77	0.76	0.0	2.11	3.64
DRY FERT SPRDER	3,60	MAY	1.00	0.203	0.154	1.48	1.02	3.30	3.85	9.65
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.99	0.76	6.50	1.60	9.85
PLANTER 6R	4,42	JUNE	1.00	0.224	0.170	1.45	1.12	5.70	5.59	13.87
ROLLING CULT 6R	4,38	JULY	1.00	0.216	0.164	1.10	1.08	0.0	3.77	5.95
ROLLING CULT 6R	4,38	AUG	1.00	0.216	0.164	1.10	1.08	0.0	3.77	5.95
TOTALS				1.750	1.325	11.22	8.75	15.50	31.43	66.90

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

		PRICE OF GUAR (DOLLARS)				
		16.00	18.00	20.00	22.00	24.00
QUANTITY OF GUAR	CWT.					
	6.40	16.32	29.12	41.92	54.72	67.52
	7.20	28.92	43.32	57.72	72.12	86.52
	8.00	41.52	57.52	73.52	89.52	105.52
	8.80	54.12	71.72	89.32	106.92	124.52
	9.60	66.72	85.92	105.12	124.32	143.52

PEANUTS, FLORUNNER, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
FLORUNNER PEANUT	27.00	CWT.	28.00	756.00	
TOTAL PROJECTED RETURNS				\$ 756.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*PEANUT SEED	100.00	LB.	0.62	62.00	
*NITROGEN (DRY)	20.00	LB.	0.26	5.20	
*PHOSPHATE	50.00	LB.	0.22	11.00	
*HERB., PREMERGE	1.00	ACRE	8.00	8.00	
CUSTOM FERTILIZE	1.00	ACRE	2.00	2.00	
*NEMATICIDE	1.00	APPL	28.00	28.00	
*HERB, POSTEMERGE	1.00	ACRE	9.00	9.00	
RISK INSURANCE	1.00	ACRE	15.00	15.00	
*INSECTICIDE	2.00	APPL	4.10	8.20	
CUST INSECT.	1.00	APPL	21.00	21.00	
*FUNGICIDE	7.00	APPL	7.70	53.90	
PESTICIDE APPLI.	7.00	ACRE	3.50	24.50	
CUST. PCNB FUNG.	1.00	APPL	43.00	43.00	
ALLOTMENT LEASE	27.00	CWT.	2.75	74.25	
VITAVAX APPL.	1.00	APPL	30.00	30.00	
IRRIGATION WATER	14.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		17.62	
EQUIPMENT		ACRE		1.34	
IRRIGATION		ACRE		70.00	
REPAIRS-----TRACTOR		ACRE		5.05	
EQUIPMENT		ACRE		3.14	
IRRIGATION		ACRE		8.40	
LABOR-----MACHINERY	2.56	HOUR	5.00	12.82	
IRRIGATION	1.40	HOUR	4.00	5.60	
EQUIPMENT	0.60	HOUR	4.00	2.40	
OTHER	3.00	HOUR	4.00	12.00	
OPERATING CAPITAL	80.36	DOL.	0.125	10.05	
SUBTOTAL, PREHARVEST		ACRE		\$ 543.46	\$
HARVEST COSTS					
*CUSTOM HAUL	1.50	TON	7.00	10.50	
*CUSTOM DRYING	1.50	TON	25.00	37.50	
FUEL & LUBE--TRACTOR		ACRE		10.24	
REPAIRS-----TRACTOR		ACRE		3.17	
EQUIPMENT		ACRE		2.00	
LABOR-----MACHINERY	1.63	HOUR	5.00	8.15	
SUBTOTAL, HARVEST		ACRE		\$ 71.55	\$
TOTAL VARIABLE COSTS		ACRE		\$ 615.01	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 22.78/CWT.	FLORUNNER PEANUT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 140.99	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		48.08	
EQUIPMENT		ACRE		28.64	
IRRIGATION		ACRE		28.56	
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		\$ 170.28	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 785.29	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 29.08/CWT.	FLORUNNER PEANUT	
6. NET PROJECTED RETURNS		ACRE		\$ -29.29	\$

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PEANUTS, FLORUNNER, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 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	2.33	1.14	0.0	5.57	9.04
TANDEM DISC	1,58	OCT	1.00	0.208	0.158	2.08	1.04	0.0	4.36	7.48
CHISEL PLOW	1,33	DEC	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
MOLDBOARD PLOW	1,32	JAN	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
BEDDER 6R	2,36	FEB	2.00	0.302	0.229	2.68	1.51	0.0	3.84	8.03
PEANUT PLANTER	2,68	APR	1.00	0.318	0.241	3.27	1.59	62.00	6.35	73.21
ROLLING CULT 6R	2,38	APR	2.00	0.432	0.327	3.82	2.16	0.0	7.00	12.98
HERBICIDE SPRAYR	63	APR	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
CULTIVATOR 6R	2,40	APR	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.40
HERBICIDE SPRAYR	63	MAY	1.00	0.0	0.264	0.08	0.0	9.00	2.01	11.09
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.40
PEANUT DIG SHK2R	2,66	AUG	1.00	1.084	0.821	9.80	5.42	0.0	11.88	27.10
PEANUT COMB. 4R	2,67	AUG	1.00	0.546	0.414	5.61	2.73	48.00	10.08	66.42
TOTALS				4.193	3.705	41.00	20.96	127.00	75.08	264.05

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	MAY	2.00	0.200	0.0	11.20	0.80	0.0	4.08	16.08
WATER APPLICATION	JUNE	5.00	0.500	0.0	28.00	2.00	0.0	10.20	40.20
WATER APPLICATION	JULY	5.00	0.500	0.0	28.00	2.00	0.0	10.20	40.20
WATER APPLICATION	AUG	2.00	0.200	0.0	11.20	0.80	0.0	4.08	16.08
TOTALS		14.00	1.400	0.0	78.40	5.60	0.0	28.56	112.56

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
QUANTITY OF FLORUNNER PEANUT	CWT.					
	21.60	-106.72	-46.24	14.24	74.72	135.20
	24.30	-58.46	9.58	77.62	145.66	213.69
	27.00	-10.21	65.39	140.99	216.59	292.19
	29.70	38.05	121.21	204.37	287.52	370.68
	32.40	86.30	177.02	267.74	358.46	449.18

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

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPANISH PEANUTS	12.50	CWT.	28.00	350.00	
TOTAL PROJECTED RETURNS				\$ 350.00	\$
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*PEANUT SEED	50.00	LB.	0.62	31.00	
*NEMATICIDE	0.71	APPL	28.00	20.00	
*HERB., PREMERGE	1.00	ACRE	8.00	8.00	
*INSECTICIDE	2.00	APPL	4.10	8.20	
*FUNGICIDE	3.00	APPL	7.70	23.10	
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	
*CUST. PCNB FUNG.	50.00	LB.	0.45	22.50	
VITAVAX APPL.	0.50	APPL	30.00	15.00	
FUEL & LUBE--TRACTOR		ACRE		14.88	
EQUIPMENT		ACRE		1.09	
REPAIRS-----TRACTOR		ACRE		4.34	
EQUIPMENT		ACRE		2.80	
LABOR-----MACHINERY	2.21	HOUR	5.00	11.07	
EQUIPMENT	0.49	HOUR	4.00	1.96	
OTHER	2.50	HOUR	4.00	10.00	
OPERATING CAPITAL	30.63	DOL.	0.125	3.83	
SUBTOTAL, PREHARVEST		ACRE		\$ 188.28	\$
HARVEST COSTS					
*CUSTOM HAUL	0.68	TON	7.00	4.76	
*CUSTOM DRYING	0.68	TON	25.00	17.00	
CUSTOM COMBINE	12.50	CWT.	1.50	18.75	
FUEL & LUBE--TRACTOR		ACRE		6.81	
REPAIRS-----TRACTOR		ACRE		2.11	
EQUIPMENT		ACRE		0.89	
LABOR-----MACHINERY	1.08	HOUR	5.00	5.42	
SUBTOTAL, HARVEST		ACRE		\$ 55.73	\$
TOTAL VARIABLE COSTS		ACRE		\$ 244.00	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 19.52/CWT.		SPANISH PEANUTS
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 106.00	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		37.11	
EQUIPMENT		ACRE		18.03	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
LAND-CASH RENT	1.00	ACRE	30.00	30.00	
TOTAL FIXED COSTS		ACRE		\$ 92.64	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 336.64	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 26.93/CWT.		SPANISH PEANUTS
6. NET PROJECTED RETURNS		ACRE		\$ 13.36	\$

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.

PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 04/11/84.

B-1241(C12)

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
1984 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	OCT	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
MOLDBOARD PLOW	1,32	NOV	1.00	0.571	0.432	6.47	2.85	0.0	13.86	23.18
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
BEDDER 6R	2,36	FEB	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
BEDDER 6R	2,36	MAR	1.00	0.151	0.115	1.34	0.76	0.0	1.92	4.02
PEANUT PLANTER	2,68	MAR	1.00	0.318	0.241	3.27	1.59	51.00	6.35	62.21
ROLLING CULT 6R	2,38	MAR	1.00	0.216	0.164	1.91	1.08	0.0	3.50	6.49
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	8.00	2.01	10.09
CULTIVATOR 6R	2,40	MAR	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.40
CULTIVATOR 6R	2,40	APR	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.40
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.32	0.76	0.0	2.32	4.40
PEANUT DIG SHK2R	2,66	JULY	1.00	1.084	0.821	9.80	5.42	0.0	11.88	27.10
TOTALS				3.297	2.762	31.65	16.49	59.00	53.80	160.94

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 SPANISH PEANUTS
(DOLLARS)

		22.40	25.20	28.00	30.80	33.60
QUANTITY OF SPANISH PEANUTS	CWT.					
	10.00	-11.90	16.10	44.10	72.10	100.10
	11.25	12.05	43.55	75.05	106.55	138.05
	12.50	36.00	71.00	106.00	141.00	176.00
	13.75	59.95	98.45	136.95	175.45	213.95
	15.00	83.90	125.89	167.89	209.89	251.89

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

SOYBEANS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
SOYBEANS	42.00	BU.	6.25	262.50	_____
TOTAL PROJECTED RETURNS				\$ 262.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SOYBEAN SEED	42.00	LB.	0.32	13.44	_____
*PHOSPHATE	50.00	LB.	0.22	11.00	_____
*HERBICIDE	1.00	ACRE	4.00	4.00	_____
*INSECTICIDE	1.00	APPL	7.00	7.00	_____
CUSTOM FERTILIZE	1.00	ACRE	2.00	2.00	_____
PESTICIDE APPLI.	1.00	ACRE	3.50	3.50	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		13.34	_____
EQUIPMENT		ACRE		0.93	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		3.54	_____
EQUIPMENT		ACRE		1.78	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.77	HOURL	5.00	8.85	_____
IRRIGATION	1.20	HOURL	4.00	4.80	_____
EQUIPMENT	0.42	HOURL	4.00	1.68	_____
OTHER	3.00	HOURL	4.00	12.00	_____
OPERATING CAPITAL	39.54	DOL.	0.125	4.94	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 160.01	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	42.00	BU.	0.75	31.50	_____
CUSTOM HAUL	42.00	BU.	0.15	6.30	_____
SUBTOTAL, HARVEST		ACRE		\$ 37.80	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 197.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.71/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 64.69	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.21	_____
EQUIPMENT		ACRE		15.46	_____
IRRIGATION		ACRE		24.48	_____
MISC ADMIN O/H	1.00	ACRE	15.00	15.00	_____
TOTAL FIXED COSTS		ACRE		\$ 80.14	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 277.95	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.62/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ -15.45	\$ _____

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SOYBEANS, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 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	DEC	0.20	0.046	0.035	0.47	0.23	0.0	1.11	1.81
CHISEL PLOW	1,33	DEC	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
HARROW SPIKE	73	DEC	1.00	0.0	0.095	0.01	0.0	0.0	0.78	0.80
LAND PLANE	1,50	DEC	0.20	0.050	0.038	0.50	0.25	0.0	1.22	1.98
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	4.00	2.01	6.09
ROLLING CULT 6R	1,38	MAR	1.00	0.216	0.164	2.19	1.08	0.0	4.34	7.62
ROD WEEDER	1,65	MAY	1.00	0.170	0.129	1.67	0.85	0.0	2.67	5.19
PLANTER 6R	1,42	MAY	1.00	0.224	0.170	2.58	1.12	13.44	6.19	23.34
ROLLING CULT 6R	1,38	JUNE	1.00	0.216	0.164	2.19	1.08	0.0	4.34	7.62
ROLLING CULT 6R	1,38	JULY	1.00	0.216	0.164	2.19	1.08	0.0	4.34	7.62
OFFSET DISC	1,34	NOV	1.00	0.228	0.173	2.33	1.14	0.0	5.57	9.04
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.14	1.01	0.0	3.46	6.61
TOTALS				1.770	1.700	18.51	8.85	17.44	39.52	84.32

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	JUNE	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	JULY	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	AUG	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
WATER APPLICATION	SEPT	3.00	0.300	0.0	16.80	1.20	0.0	6.12	24.12
TOTALS		12.00	1.200	0.0	67.20	4.80	0.0	24.48	96.48

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 SOYBEANS
(DOLLARS)

	5.00	5.63	6.25	6.88	7.50
QUANTITY OF SOYBEANS					
33.60	-22.25	-1.25	19.75	40.75	61.75
37.80	-5.03	18.60	42.22	65.85	89.47
42.00	12.19	38.44	64.69	90.94	117.19
46.20	29.41	58.29	87.16	116.04	144.91
50.40	46.63	78.13	109.63	141.13	172.63

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