

563

FORAGE SORGHUM HAY, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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					
INPUT USE					
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		8.90	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		100.00	_____
REPAIRS-----TRACTOR		ACRE		2.90	_____
EQUIPMENT		ACRE		1.30	_____
IRRIGATION		ACRE		12.00	_____
LABOR-----MACHINERY	1.87	HOUR	5.00	9.33	_____
IRRIGATION	2.00	HOUR	4.00	8.00	_____
EQUIPMENT	0.63	HOUR	4.00	2.51	_____
OPERATING CAPITAL	7.28	DOL.	0.145	1.06	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 204.67	\$ _____
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		\$ 551.17	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 55.12/TON		SORGHUM HAY
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 98.83	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		22.48	_____
EQUIPMENT		ACRE		12.38	_____
IRRIGATION		ACRE		40.80	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 123.66	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 674.84	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 67.48/TON		SORGHUM HAY
6. NET PROJECTED RETURNS		ACRE		\$ -24.84	\$ _____

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.

563

FORAGE SORGHUM HAY, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	1.89	1.31	0.0	4.20	7.41
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.49	1.01	0.0	3.06	5.57
OFFSET DISC	3,34	NOV	1.20	0.273	0.207	1.92	1.37	0.0	6.30	9.58
LAND PLANE	3,50	NOV	0.20	0.050	0.038	0.34	0.25	0.0	1.15	1.74
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	13.20	4.28	19.93
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	1.97	1.35	12.80	6.76	22.87
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
ANHYDROUS SPRDER	3,61	JUNE	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
ANHYDROUS SPRDER	3,61	JULY	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
TOTALS				1.866	1.414	12.88	9.33	57.20	33.03	112.45

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	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	-65.87	-13.87	38.13	90.13	142.13
	9.00	-48.52	9.98	68.48	126.98	185.48
	10.00	-31.17	33.83	98.83	163.83	228.83
	11.00	-13.82	57.68	129.18	200.68	272.18
	12.00	3.53	81.53	159.53	237.53	315.53

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

564

CORN FOR SILAGE, IRRIGATED
TEXAS WINTER GARDEN REGION
1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
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.	0.13	20.80	_____
*PHOSPHATE	80.00	LB.	0.22	17.60	_____
*HERBICIDE	1.00	ACRE	20.00	20.00	_____
HERBICIDE APPLI.	1.00	ACRE	3.00	3.00	_____
*INSECTICIDE	1.00	APPL	8.00	8.00	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		11.90	_____
EQUIPMENT		ACRE		2.28	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		3.74	_____
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	63.02	DOL.	0.145	9.14	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 229.08	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 229.08	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 15.27/TON	CORN SILAGE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 115.92	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.76	_____
EQUIPMENT		ACRE		19.08	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 128.48	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 357.55	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 23.84/TON	CORN SILAGE	
6. NET PROJECTED RETURNS		ACRE		\$ -12.55	\$ _____

SOLD STANDING IN FIELD.
 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.

564

CORN FOR SILAGE, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	2.09	1.01	0.0	3.95	7.04
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.73	1.37	0.0	7.49	11.59
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.43	0.25	0.0	1.16	1.84
OFFSET DISC	1,34	OCT	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
BEDDER 6R	3,36	NOV	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	20.80	1.82	24.33
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	17.60	4.28	24.33
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.86	1.12	28.00	5.93	36.91
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
TOTALS				2.131	1.615	17.32	10.66	66.40	44.98	139.36

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	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

QUANTITY OF CORN SILAGE	PRICE OF CORN SILAGE (DOLLARS)				
	18.40	20.70	23.00	25.30	27.60
12.00	-8.27	19.32	46.92	74.52	102.12
13.50	19.33	50.37	81.42	112.47	143.52
15.00	46.92	81.42	115.92	150.42	184.92
16.50	74.52	112.47	150.42	188.37	226.32
18.00	102.12	143.52	184.92	226.32	267.72

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

565

FOOD CORN, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CORN	100.00	BU.	3.95	395.00	_____
DEFICIENCY PMT.	100.00	BU.	0.47	47.00	_____
TOTAL PROJECTED RETURNS				\$ 442.00	\$ _____
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	20.00	20.00	_____
HERBICIDE APPLI.	1.00	ACRE	3.00	3.00	_____
*INSECTICIDE	1.00	APPL	8.00	8.00	_____
HAIL INSURANCE	1.00	ACRE	17.00	17.00	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		13.65	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		4.38	_____
EQUIPMENT		ACRE		2.14	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	2.39	HOUR	5.00	11.97	_____
IRRIGATION	1.60	HOUR	4.00	6.40	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	84.40	DOL.	0.145	12.24	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 269.57	\$ _____
HARVEST COSTS					
CUSTOM HARVEST	1.00	ACRE	24.00	24.00	_____
HAUL CORN	100.00	BU.	0.17	17.00	_____
SUBTOTAL, HARVEST		ACRE		\$ 41.00	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 310.57	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 2.64/BU.		CORN
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 131.43	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		32.01	_____
EQUIPMENT		ACRE		19.09	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	65.00	65.00	_____
MISC ADMIN O/H	1.00	ACRE	16.00	16.00	_____
TOTAL FIXED COSTS		ACRE		\$ 164.74	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 475.31	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 4.28/BU.		CORN
6. NET PROJECTED RETURNS		ACRE		\$ -33.31	\$ _____

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.

565

FOOD CORN, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	2.27	1.14	0.0	6.24	9.66
BEDDER 6R	2,36	NOV	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
ROLLING CULT 6R	3,38	DEC	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	30.20	4.28	36.93
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.86	1.12	29.00	5.93	37.91
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	26.00	1.82	29.53
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
SHREDDER	2,30	AUG	1.00	0.263	0.199	2.36	1.31	0.0	4.25	7.92
CHISEL PLOW	1,33	AUG	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
OFFSET DISC	1,34	AUG	1.20	0.273	0.207	2.73	1.37	0.0	7.49	11.59
LAND PLANE	2,50	AUG	0.20	0.050	0.038	0.43	0.25	0.0	1.16	1.84
TOTALS				2.394	1.814	19.94	11.97	85.20	49.27	166.38

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	-16.77	14.83	46.43	78.03	109.63
	90.00	17.83	53.38	88.93	124.48	160.03
	100.00	52.43	91.93	131.43	170.93	210.43
	110.00	87.03	130.48	173.93	217.38	260.83
	120.00	121.63	169.03	216.43	263.83	311.23

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

566

COTTON IRRIGATED, LONG SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	900.00	LB.	0.65	585.00	_____
COTTONSEED	0.73	TON	130.00	94.90	_____
DEFICIENCY PMT.	900.00	LB.	0.19	171.00	_____
TOTAL PROJECTED RETURNS				\$ 850.90	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.55	8.80	_____
*NITROGEN (ANHY)	80.00	LB.	0.13	10.40	_____
*PHOSPHATE	50.00	LB.	0.22	11.00	_____
*HERBICIDE	1.00	ACRE	8.50	8.50	_____
HAIL INSURANCE	1.00	ACRE	19.00	19.00	_____
*INSECTICIDE	10.00	APPL	8.50	85.00	_____
PESTICIDE APPLI.	10.00	ACRE	3.50	35.00	_____
*DEFOLIANT	1.00	ACRE	8.00	8.00	_____
DEFOLIANT APPLI.	1.00	ACRE	3.00	3.00	_____
*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		17.23	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		5.53	_____
EQUIPMENT		ACRE		2.60	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	2.82	HOUR	5.00	14.12	_____
IRRIGATION	1.60	HOUR	4.00	6.40	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OTHER	4.00	HOUR	4.00	16.00	_____
OPERATING CAPITAL	80.84	DOL.	0.145	11.72	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 371.39	\$ _____
HARVEST COSTS					
CUST COTTON PICK	900.00	LB.	0.11	99.00	_____
GIN, BAG, TIES	1.90	BALE	43.60	82.84	_____
SUBTOTAL, HARVEST		ACRE		\$ 181.84	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 553.23	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.32/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS					
		ACRE		\$ 297.67	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		39.15	_____
EQUIPMENT		ACRE		24.39	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	65.00	65.00	_____
MISC ADMIN O/H	1.00	ACRE	16.00	16.00	_____
TOTAL FIXED COSTS		ACRE		\$ 177.18	\$ _____
5. TOTAL PROJECTED COSTS					
		ACRE		\$ 730.41	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.52/LB.	COTTON LINT	
6. NET PROJECTED RETURNS					
		ACRE		\$ 120.49	\$ _____

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.

566

COTTON IRRIGATED, LONG SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1985 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	DCT	1.00	0.263	0.199	2.36	1.31	0.0	4.25	7.92
CHISEL PLOW	1,33	OCT	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
OFFSET DISC	1,34	OCT	1.20	0.273	0.207	2.73	1.37	0.0	7.49	11.59
LAND PLANE	2,50	DCT	0.20	0.050	0.038	0.43	0.25	0.0	1.16	1.84
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
OFFSET DISC	1,34	DEC	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.50	2.16	10.74
DRY FERT SPRDER	2,60	FEB	1.00	0.203	0.154	1.80	1.02	11.00	4.32	18.13
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	10.40	1.82	13.93
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.26	1.12	8.80	5.97	18.15
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
TOTALS				2.823	2.403	25.13	14.12	38.70	61.71	139.66

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)

LB.	0.52	0.58	0.65	0.71	0.78
720.	70.26	117.06	163.86	210.66	257.46
810.	125.47	178.12	230.77	283.42	336.07
900.	180.67	239.17	297.67	356.17	414.67
990.	235.88	300.23	364.58	428.93	493.28
1080.	291.08	361.28	431.48	501.68	571.88

567

COTTON IRRIGATED, SHORT SEASON VARIETIES
TEXAS WINTER GARDEN REGION
1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	750.00	LB.	0.65	487.50	_____
COTTONSEED	0.61	TON	130.00	79.30	_____
DEFICIENCY PMT.	750.00	LB.	0.19	142.50	_____
TOTAL PROJECTED RETURNS				<u>\$ 709.30</u>	<u>\$ _____</u>
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	16.00	LB.	0.55	8.80	_____
*NITROGEN (ANHY)	25.00	LB.	0.13	3.25	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
*HERBICIDE	1.00	ACRE	8.50	8.50	_____
HAIL INSURANCE	1.00	ACRE	19.00	19.00	_____
*INSECTICIDE	5.00	APPL	8.50	42.50	_____
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	_____
*DEFOLIANT	1.00	ACRE	8.00	8.00	_____
DEFOLIANT APPLI.	1.00	ACRE	3.00	3.00	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		15.79	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		5.10	_____
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	41.09	DOL.	0.145	5.96	_____
SUBTOTAL, PREHARVEST		ACRE		<u>\$ 253.68</u>	<u>\$ _____</u>
HARVEST COSTS					
CUST COTTON PICK	750.00	LB.	0.11	82.50	_____
GIN, BAG, TIES	1.56	BALE	43.60	68.02	_____
SUBTOTAL, HARVEST		ACRE		<u>\$ 150.52</u>	<u>\$ _____</u>
TOTAL VARIABLE COSTS		ACRE		<u>\$ 404.19</u>	<u>\$ _____</u>
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.24/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		<u>\$ 305.11</u>	<u>\$ _____</u>
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		35.84	_____
EQUIPMENT		ACRE		23.76	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	50.00	50.00	_____
MISC ADMIN O/H	0.75	ACRE	16.00	12.00	_____
TOTAL FIXED COSTS		ACRE		<u>\$ 146.08</u>	<u>\$ _____</u>
5. TOTAL PROJECTED COSTS		ACRE		<u>\$ 550.27</u>	<u>\$ _____</u>
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.44/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		<u>\$ 159.03</u>	<u>\$ _____</u>

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.

567

COTTON IRRIGATED, SHORT SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1985 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	2.36	1.31	0.0	4.25	7.92
CHISEL PLOW	1,33	SEPT	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
OFFSET DISC	1,34	SEPT	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
OFFSET DISC	1,34	NOV	1.20	0.273	0.207	2.73	1.37	0.0	7.49	11.59
LAND PLANE	2,50	NOV	0.20	0.050	0.038	0.43	0.25	0.0	1.16	1.84
OFFSET DISC	1,34	JAN	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.50	2.16	10.74
DRY FERT SPRDER	2,60	JAN	1.00	0.203	0.154	1.80	1.02	8.80	4.32	15.93
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.96	0.76	3.25	1.82	6.78
PLANTER 6R	2,42	MAR	1.00	0.224	0.170	2.26	1.12	8.80	5.97	18.15
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	JUNE	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
TOTALS				2.622	2.251	23.05	13.11	29.35	57.76	123.27

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	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

QUANTITY OF COTTON LINT	PRICE OF COTTON LINT (DOLLARS)				
	0.52	0.58	0.65	0.71	0.78
600.00	115.35	154.35	193.35	232.35	271.35
675.00	161.48	205.35	249.23	293.10	336.98
750.00	207.61	256.36	305.11	353.86	402.61
825.00	253.73	307.36	360.98	414.61	468.23
900.00	299.86	358.36	416.86	475.36	533.86

568

COTTON, DRYLAND, SHORT SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
COTTON LINT	350.00	LB.	0.57	199.50	_____
COTTONSEED	0.28	TON	130.00	36.40	_____
DEFICIENCY PMT.	350.00	LB.	0.19	66.50	_____
TOTAL PROJECTED RETURNS				\$ 302.40	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*SD COTTON-UPLAND	12.00	LB.	0.55	6.60	_____
*NITROGEN (ANHY)	25.00	LB.	0.13	3.25	_____
*PHOSPHATE	20.00	LB.	0.22	4.40	_____
*HERBICIDE	1.00	ACRE	8.50	8.50	_____
*INSECTICIDE	3.00	APPL	8.50	25.50	_____
PESTICIDE APPLI.	3.00	ACRE	3.50	10.50	_____
*DEFOLIANT	1.00	ACRE	8.00	8.00	_____
DEFOLIANT APPLI.	1.00	ACRE	3.00	3.00	_____
+ FED. CROP INS.	1.00	ACRE	15.73	15.73	_____
FUEL & LUBE--TRACTOR		ACRE		9.93	_____
EQUIPMENT		ACRE		1.47	_____
REPAIRS-----TRACTOR		ACRE		3.23	_____
EQUIPMENT		ACRE		2.04	_____
LABOR-----MACHINERY	2.08	HOUR	5.00	10.41	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	16.68	DOL.	0.145	2.42	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 117.50	\$ _____
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		\$ 175.60	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.21/LB.	COTTON LINT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 126.80	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.08	_____
EQUIPMENT		ACRE		18.85	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
TOTAL FIXED COSTS		ACRE		\$ 71.92	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 247.53	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.41/LB.	COTTON LINT	
6. NET PROJECTED RETURNS		ACRE		\$ 54.87	\$ _____

+ RISK INSURANCE: 65% AT \$.70/LB OF LINT.

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.

568

COTTON, DRYLAND, SHORT SEASON VARIETIES
 TEXAS WINTER GARDEN REGION
 1985 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	1.89	1.31	0.0	4.20	7.41
CHISEL PLOW	3,33	SEPT	1.00	0.202	0.153	1.49	1.01	0.0	3.06	5.57
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
HERBICIDE SPRAYR	63	JAN	1.00	0.0	0.264	0.08	0.0	8.50	2.16	10.74
DRY FERT SPRDER	3,60	JAN	1.00	0.203	0.154	1.44	1.02	4.40	4.28	11.13
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.96	0.76	3.25	1.82	6.78
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.86	1.12	6.60	5.93	15.51
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
TOTALS				2.082	1.842	14.98	10.41	22.75	42.09	90.23

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)				
		0.46	0.51	0.57	0.63	0.68
QUANTITY OF COTTON LINT	LB.					
	280.00	46.02	61.98	77.94	93.90	109.86
	315.00	66.46	84.41	102.37	120.32	138.28
	350.00	86.90	106.85	126.80	146.75	166.70
	385.00	107.34	129.28	151.23	173.17	195.12
	420.00	127.78	151.72	175.66	199.60	223.54

GRAIN SORGHUM, DRYLAND
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	25.00	CWT.	4.44	111.00	_____
DEFICIENCY PMT.	25.00	CWT.	0.82	20.50	_____
TOTAL PROJECTED RETURNS				\$ 131.50	\$ _____
2. VARIABLE COSTS					
INPUT USE					
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	3.00	3.00	_____
*INSECTICIDE	2.00	APPL	8.00	16.00	_____
INSECT. APPLI.	2.00	APPL	3.00	6.00	_____
+ FED. CROP INS.	1.00	ACRE	5.19	5.19	_____
FUEL & LUBE--TRACTOR		ACRE		10.24	_____
EQUIPMENT		ACRE		1.47	_____
REPAIRS-----TRACTOR		ACRE		3.34	_____
EQUIPMENT		ACRE		2.00	_____
LABOR-----MACHINERY	2.15	HOUR	5.00	10.73	_____
EQUIPMENT	0.63	HOUR	4.00	2.52	_____
OPERATING CAPITAL	21.98	DOL.	0.145	3.19	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 93.31	\$ _____
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		\$ 118.81	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.93/CWT.	GRAIN SORGHUM	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 12.69	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		25.86	_____
EQUIPMENT		ACRE		17.65	_____
LAND-CASH RENT	1.00	ACRE	15.00	15.00	_____
MISC ADMIN O/H	0.30	ACRE	16.00	4.80	_____
TOTAL FIXED COSTS		ACRE		\$ 63.31	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 182.12	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.46/CWT.	GRAIN SORGHUM	
6. NET PROJECTED RETURNS		ACRE		\$ -50.62	\$ _____

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

+ RISK INSURANCE: 65% AT \$4.91/CWT.

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.

569

GRAIN SORGHUM, DRYLAND
 TEXAS WINTER GARDEN REGION
 1985 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	1.89	1.31	0.0	4.20	7.41
CHISEL PLOW	3,33	AUG	1.00	0.202	0.153	1.49	1.01	0.0	3.06	5.57
OFFSET DISC	3,34	SEPT	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
OFFSET DISC	3,34	DEC	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	7.80	1.82	11.33
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	8.80	4.28	15.53
PLANTER 6R	3,42	FEB	1.00	0.224	0.170	1.86	1.12	3.04	5.93	11.95
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
TOTALS				2.147	1.626	15.35	10.73	19.64	41.68	87.40

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

QUANTITY OF GRAIN SORGHUM	PRICE OF GRAIN SORGHUM (DOLLARS)				
	3.55	4.00	4.44	4.88	5.33
CWT.					
20.00	-29.87	-20.99	-12.11	-3.23	5.65
22.50	-19.69	-9.70	0.29	10.28	20.27
25.00	-9.51	1.59	12.69	23.79	34.89
27.50	0.67	12.88	25.09	37.30	49.51
30.00	10.85	24.17	37.49	50.81	64.13

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

570

GRAIN SORGHUM, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GRAIN SORGHUM	50.00	CWT.	4.44	222.00	_____
DEFICIENCY PMT.	50.00	CWT.	0.82	41.00	_____
TOTAL PROJECTED RETURNS				\$ 263.00	\$ _____
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	3.00	3.00	_____
*INSECTICIDE	2.00	APPL	8.00	16.00	_____
INSECT. APPLI.	2.00	APPL	3.00	6.00	_____
HAIL INSURANCE	1.00	ACRE	12.00	12.00	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		11.42	_____
EQUIPMENT		ACRE		0.65	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		3.72	_____
EQUIPMENT		ACRE		2.02	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	2.39	HOUR	5.00	11.97	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	49.89	DOL.	0.145	7.23	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 190.49	\$ _____
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		\$ 227.99	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 3.74/CWT.		GRAIN SORGHUM
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 35.01	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		28.84	_____
EQUIPMENT		ACRE		18.07	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
MISC ADMIN O/H	1.00	ACRE	16.00	16.00	_____
TOTAL FIXED COSTS		ACRE		\$ 127.39	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 355.38	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.29/CWT.		GRAIN SORGHUM
6. NET PROJECTED RETURNS		ACRE		\$ -92.38	\$ _____

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.

570

GRAIN SORGHUM, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	1.49	1.01	0.0	3.06	5.57
OFFSET DISC	3,34	AUG	1.00	0.228	0.173	1.60	1.14	0.0	5.25	7.99
OFFSET DISC	3,34	DEC	1.20	0.273	0.207	1.92	1.37	0.0	6.30	9.58
LAND PLANE	3,50	DEC	0.20	0.050	0.038	0.34	0.25	0.0	1.15	1.74
BEDDER 6R	3,36	JAN	1.00	0.151	0.115	1.05	0.76	0.0	2.21	4.02
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.44	1.02	13.20	4.28	19.93
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.96	0.76	15.60	1.82	19.13
PLANTER 6R	3,42	MAR	1.00	0.224	0.170	1.86	1.12	4.56	5.93	13.47
ROLLING CULT 6R	3,38	MAR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	APR	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
ROLLING CULT 6R	3,38	MAY	1.00	0.216	0.164	1.50	1.08	0.0	3.96	6.55
SHREDDER	3,30	JULY	1.00	0.263	0.199	1.89	1.31	0.0	4.20	7.41
TOTALS				2.394	1.814	17.06	11.97	33.36	46.09	108.48

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

QUANTITY OF GRAIN SORGHUM	PRICE OF GRAIN SORGHUM (DOLLARS)				
	3.55	4.00	4.44	4.88	5.33
CWT.					
40.00	-45.61	-27.85	-10.09	7.67	25.43
45.00	-27.50	-7.52	12.46	32.44	52.42
50.00	-9.39	12.81	35.01	57.21	79.41
55.00	8.72	33.14	57.56	81.98	106.40
60.00	26.83	53.47	80.11	106.75	133.39

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

571

**GUAR, IRRIGATED, TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GUAR	17.50	CWT.	12.00	210.00	
TOTAL PROJECTED RETURNS				\$ 210.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*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	3.00	3.00	_____
INSECT. APPLI.	1.00	APPL	3.00	3.00	_____
IRRIGATION WATER	13.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		8.19	_____
EQUIPMENT		ACRE		1.47	_____
IRRIGATION		ACRE		65.00	_____
REPAIRS-----TRACTOR		ACRE		2.24	_____
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	57.79	DOL.	0.145	8.38	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 167.28	\$ _____
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		\$ 196.66	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 11.24/CWT.		GUAR
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 13.34	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		24.82	_____
EQUIPMENT		ACRE		16.27	_____
IRRIGATION		ACRE		26.52	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 105.61	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 302.27	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 17.27/CWT.		GUAR
6. NET PROJECTED RETURNS		ACRE		\$ -92.27	\$ _____

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.

571

GUAR, IRRIGATED, TEXAS WINTER GARDEN REGION
 1985 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	2.32	1.43	0.0	6.52	10.26
CHISEL PLOW	3,33	DEC	0.50	0.101	0.076	0.75	0.50	0.0	1.53	2.78
TANDEM DISK	3,58	JAN	1.00	0.208	0.158	1.41	1.04	0.0	4.01	6.46
BEDDER 6R	4,36	JAN	1.00	0.151	0.115	0.75	0.76	0.0	2.37	3.87
ROLLING CULT 6R	4,38	FEB	1.00	0.216	0.164	1.07	1.08	0.0	4.19	6.34
PLANTER 6R	4,42	APR	1.00	0.224	0.170	1.42	1.12	5.70	6.16	14.40
DRY FERT SPRDER	3,60	APR	1.00	0.203	0.154	1.44	1.02	9.90	4.28	16.63
ANHYDROUS SPRDER	3,61	APR	1.00	0.151	0.115	0.96	0.76	13.00	1.82	16.53
ROLLING CULT 6R	4,38	MAY	1.00	0.216	0.164	1.07	1.08	0.0	4.19	6.34
ROLLING CULT 6R	4,38	JUNE	1.00	0.216	0.164	1.07	1.08	0.0	4.19	6.34
TOTALS				1.972	1.494	12.24	9.86	28.60	39.26	89.96

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

CWT.	PRICE OF GUAR (DOLLARS)				
	9.60	10.80	12.00	13.20	14.40
14.00	-61.38	-44.58	-27.78	-10.98	5.82
15.75	-45.02	-26.12	-7.22	11.68	30.58
17.50	-28.66	-7.66	13.34	34.34	55.34
19.25	-12.30	10.80	33.90	57.00	80.10
21.00	4.07	29.27	54.47	79.67	104.87

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

572

**GUAR, DRYLAND, TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE**

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
GUAR	8.00	CWT.	12.00	96.00	_____
TOTAL PROJECTED RETURNS				\$ 96.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*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	3.00	3.00	_____
HERBICIDE APPLI.	1.00	ACRE	3.00	3.00	_____
FUEL & LUBE--TRACTOR		ACRE		7.38	_____
EQUIPMENT		ACRE		1.14	_____
REPAIRS-----TRACTOR		ACRE		2.07	_____
EQUIPMENT		ACRE		1.64	_____
LABOR-----MACHINERY	1.75	HOUR	5.00	8.75	_____
EQUIPMENT	0.49	HOUR	4.00	1.96	_____
OPERATING CAPITAL	14.87	DOL.	0.145	2.16	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 58.59	\$ _____
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		\$ 85.59	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 10.70/CWT.		GUAR
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 10.41	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		21.91	_____
EQUIPMENT		ACRE		14.45	_____
LAND-CASH RENT	1.00	ACRE	20.00	20.00	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
TOTAL FIXED COSTS		ACRE		\$ 64.36	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 149.95	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 18.74/CWT.		GUAR
6. NET PROJECTED RETURNS		ACRE		\$ -53.95	\$ _____

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.

572

GUAR, DRYLAND, TEXAS WINTER GARDEN REGION
 1985 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	1.39	0.86	0.0	3.91	6.16
TANDEM DISK	3,58	JAN	1.00	0.208	0.158	1.41	1.04	0.0	4.01	6.46
TANDEM DISK	3,58	MAY	1.00	0.208	0.158	1.41	1.04	0.0	4.01	6.46
BEDDER 6R	4,36	MAY	1.00	0.151	0.115	0.75	0.76	0.0	2.37	3.87
DRY FERT SPRDER	3,60	MAY	1.00	0.203	0.154	1.44	1.02	3.30	4.28	10.03
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.96	0.76	6.50	1.82	10.03
PLANTER 6R	4,42	JUNE	1.00	0.224	0.170	1.42	1.12	5.70	6.16	14.40
ROLLING CULT 6R	4,38	JULY	1.00	0.216	0.164	1.07	1.08	0.0	4.19	6.34
ROLLING CULT 6R	4,38	AUG	1.00	0.216	0.164	1.07	1.08	0.0	4.19	6.34
TOTALS				1.750	1.325	10.91	8.75	15.50	34.94	70.09

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

CWT.	PRICE OF GUAR (DOLLARS)				
	9.60	10.80	12.00	13.20	14.40
6.40	-23.75	-16.07	-8.39	-0.71	6.97
7.20	-16.27	-7.63	1.01	9.65	18.29
8.00	-8.79	0.81	10.41	20.01	29.61
8.80	-1.31	9.25	19.81	30.37	40.93
9.60	6.17	17.69	29.21	40.73	52.25

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

573

PEANUTS, FLORUNNER, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
FLORUNNER PEANUT	29.00	CWT.	26.50	768.50	
TOTAL PROJECTED RETURNS				\$ 768.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*PEANUT SEED	100.00	LB.	0.62	62.00	_____
*PHOSPHATE	50.00	LB.	0.22	11.00	_____
*HERB., PREMERGE	1.00	ACRE	3.12	3.12	_____
CUSTOM FERTILIZE	1.00	ACRE	2.00	2.00	_____
*HERB, POSTEMERGE	1.00	ACRE	9.00	9.00	_____
*INSECTICIDE	2.00	APPL	4.10	8.20	_____
CUST INSECT.	1.00	APPL	5.00	5.00	_____
*FUNGICIDE	5.00	APPL	7.70	38.50	_____
PESTICIDE APPLI.	5.00	ACRE	3.50	17.50	_____
CUST. PCNB FUNG.	1.00	APPL	46.00	46.00	_____
VITAVAX APPL.	0.10	APPL	30.00	3.00	_____
IRRIGATION WATER	14.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		16.72	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		70.00	_____
REPAIRS-----TRACTOR		ACRE		5.43	_____
EQUIPMENT		ACRE		3.14	_____
IRRIGATION		ACRE		18.20	_____
LABOR-----MACHINERY	2.56	HOUR	5.00	12.82	_____
IRRIGATION	3.50	HOUR	4.00	14.00	_____
EQUIPMENT	0.60	HOUR	4.00	2.40	_____
OTHER	3.00	HOUR	4.00	12.00	_____
OPERATING CAPITAL	38.79	DOL.	0.145	5.62	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 367.05	\$ _____
HARVEST COSTS					
*CUSTOM HAUL	1.67	TON	8.00	13.36	_____
*CUSTOM DRYING	1.67	TON	18.00	30.06	_____
FUEL & LUBE--TRACTOR		ACRE		9.72	_____
REPAIRS-----TRACTOR		ACRE		3.45	_____
EQUIPMENT		ACRE		2.00	_____
LABOR-----MACHINERY	1.63	HOUR	5.00	8.15	_____
SUBTOTAL, HARVEST		ACRE		\$ 66.73	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 433.78	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 14.96/CWT.	FLORUNNER PEANUT	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 334.72	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		56.41	_____
EQUIPMENT		ACRE		30.98	_____
IRRIGATION		ACRE		63.00	_____
MISC ADMIN O/H	1.00	ACRE	16.00	16.00	_____
LAND-CASH RENT	1.00	ACRE	150.00	150.00	_____
TOTAL FIXED COSTS		ACRE		\$ 316.39	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 750.17	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 25.87/CWT.	FLORUNNER PEANUT	
6. NET PROJECTED RETURNS		ACRE		\$ 18.33	\$ _____

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.

573

PEANUTS, FLORUNNER, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	2.27	1.14	0.0	6.24	9.66
TANDEM DISK	1,58	OCT	1.00	0.208	0.158	2.03	1.04	0.0	4.92	7.99
CHISEL PLOW	1,33	DEC	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
MOLDBOARD PLOW	1,32	JAN	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
BEDDER 6R	2,36	FEB	2.00	0.302	0.229	2.63	1.51	0.0	4.49	8.63
PEANUT PLANTER	2,68	APR	1.00	0.318	0.241	3.22	1.59	62.00	7.23	74.04
ROLLING CULT 6R	2,38	APR	2.00	0.432	0.327	3.76	2.16	0.0	8.02	13.94
HERBICIDE SPRAYR	63	APR	1.00	0.0	0.264	0.08	0.0	3.12	2.16	5.36
CULTIVATOR 6R	2,40	APR	1.00	0.151	0.115	1.30	0.76	0.0	2.67	4.73
HERBICIDE SPRAYR	63	MAY	1.00	0.0	0.264	0.08	0.0	9.00	2.16	11.24
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.30	0.76	0.0	2.67	4.73
PEANUT DIG SHK2R	2,66	AUG	1.00	1.084	0.821	9.64	5.42	0.0	14.02	29.08
PEANUT COMB. 4R	2,67	AUG	1.00	0.546	0.414	5.53	2.73	43.42	11.56	63.23
TOTALS				4.193	3.705	40.24	20.96	117.54	85.64	264.38

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	0.500	0.0	12.60	2.00	0.0	9.00	23.60	
WATER APPLICATION	JUNE	5.00	1.250	0.0	31.50	5.00	0.0	22.50	59.00	
WATER APPLICATION	JULY	5.00	1.250	0.0	31.50	5.00	0.0	22.50	59.00	
WATER APPLICATION	AUG	2.00	0.500	0.0	12.60	2.00	0.0	9.00	23.60	
TOTALS			14.00	3.500	0.0	88.20	14.00	0.0	63.00	165.20

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)				
		21.20	23.85	26.50	29.15	31.80
QUANTITY OF FLORUNNER PEANUT	CWT.					
	23.20	66.75	128.23	189.71	251.19	312.67
	26.10	123.88	193.05	262.21	331.38	400.54
	29.00	181.02	257.87	334.72	411.57	488.42
	31.90	238.16	322.69	407.23	491.76	576.30
	34.80	295.30	387.52	479.74	571.96	664.18

574

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
SPANISH PEANUTS	12.50	CWT.	26.50	331.25	
TOTAL PROJECTED RETURNS				\$ 331.25	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*PEANUT SEED	50.00	LB.	0.62	31.00	_____
*NEMATOCIDE	0.71	APPL	28.00	20.00	_____
*HERB., PREMERGE	1.00	ACRE	3.12	3.12	_____
*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		14.12	_____
EQUIPMENT		ACRE		1.14	_____
REPAIRS-----TRACTOR		ACRE		4.68	_____
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	29.59	DOL.	0.145	4.29	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 183.49	\$ _____
HARVEST COSTS					
*CUSTOM HAUL	0.68	TON	8.00	5.44	_____
*CUSTOM DRYING	0.68	TON	18.00	12.24	_____
CUSTOM COMBINE	12.50	CWT.	1.50	18.75	_____
FUEL & LUBE--TRACTOR		ACRE		6.46	_____
REPAIRS-----TRACTOR		ACRE		2.29	_____
EQUIPMENT		ACRE		0.89	_____
LABOR-----MACHINERY	1.08	HOUR	5.00	5.42	_____
SUBTOTAL, HARVEST		ACRE		\$ 51.49	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 234.98	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 18.80/CWT.		SPANISH PEANUTS
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 96.27	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		43.62	_____
EQUIPMENT		ACRE		19.47	_____
MISC ADMIN O/H	0.50	ACRE	16.00	8.00	_____
LAND-CASH RENT	1.00	ACRE	30.00	30.00	_____
TOTAL FIXED COSTS		ACRE		\$ 101.09	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 336.07	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 26.89/CWT.		SPANISH PEANUTS
6. NET PROJECTED RETURNS		ACRE		\$ -4.82	\$ _____

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.

574

PEANUTS, SPANISH, DRYLAND, TEXAS WINTER GARDEN REGION
 1985 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	2.09	1.01	0.0	3.95	7.04
MOLDBOARD PLOW	1,32	NOV	1.00	0.571	0.432	6.32	2.85	0.0	15.54	24.71
BEDDER 6R	2,36	JAN	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
BEDDER 6R	2,36	FEB	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
BEDDER 6R	2,36	MAR	1.00	0.151	0.115	1.32	0.76	0.0	2.25	4.32
PEANUT PLANTER	2,68	MAR	1.00	0.318	0.241	3.22	1.59	51.00	7.23	63.04
ROLLING CULT 6R	2,38	MAR	1.00	0.216	0.164	1.88	1.08	0.0	4.01	6.97
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	3.12	2.16	5.36
CULTIVATOR 6R	2,40	MAR	1.00	0.151	0.115	1.30	0.76	0.0	2.67	4.73
CULTIVATOR 6R	2,40	APR	1.00	0.151	0.115	1.30	0.76	0.0	2.67	4.73
CULTIVATOR 6R	2,40	MAY	1.00	0.151	0.115	1.30	0.76	0.0	2.67	4.73
PEANUT DIG SHK2R	2,66	JULY	1.00	1.084	0.821	9.64	5.42	0.0	14.02	29.08
TOTALS				3.297	2.762	31.07	16.49	54.12	61.66	163.34

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)				
		21.20	23.85	26.50	29.15	31.80
QUANTITY OF SPANISH PEANUTS	CWT.					
	10.00	-15.69	10.81	37.31	63.81	90.31
	11.25	7.17	36.98	66.79	96.60	126.42
	12.50	30.02	63.15	96.27	129.40	162.52
	13.75	52.88	89.32	125.76	162.19	198.63
	15.00	75.74	115.49	155.24	194.99	234.74

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

575

SOYBEANS, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
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		12.66	_____
EQUIPMENT		ACRE		0.98	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		3.75	_____
EQUIPMENT		ACRE		1.78	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.77	HOUR	5.00	8.85	_____
IRRIGATION	1.20	HOUR	4.00	4.80	_____
EQUIPMENT	0.42	HOUR	4.00	1.68	_____
OTHER	3.00	HOUR	4.00	12.00	_____
OPERATING CAPITAL	39.31	DOL.	0.145	5.70	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 160.34	\$ _____
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		\$ 198.14	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 4.72/BU.	SOYBEANS	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 64.36	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		29.06	_____
EQUIPMENT		ACRE		16.64	_____
IRRIGATION		ACRE		24.48	_____
MISC ADMIN O/H	1.00	ACRE	16.00	16.00	_____
TOTAL FIXED COSTS		ACRE		\$ 86.18	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 284.32	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 6.77/BU.	SOYBEANS	
6. NET PROJECTED RETURNS		ACRE		\$ -21.82	\$ _____

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.

575

SOYBEANS, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1985 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	0.45	0.23	0.0	1.25	1.93
CHISEL PLOW	1,33	DEC	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
HARROW SPIKE	73	DEC	1.00	0.0	0.095	0.01	0.0	0.0	0.85	0.86
LAND PLANE	1,50	DEC	0.20	0.050	0.038	0.49	0.25	0.0	1.37	2.11
HERBICIDE SPRAYR	63	MAR	1.00	0.0	0.264	0.08	0.0	4.00	2.16	6.24
ROLLING CULT 6R	1,38	MAR	1.00	0.216	0.164	2.14	1.08	0.0	4.91	8.13
ROD WEEDER	1,65	MAY	1.00	0.170	0.129	1.62	0.85	0.0	3.06	5.53
PLANTER 6R	1,42	MAY	1.00	0.224	0.170	2.52	1.12	13.44	6.91	23.99
ROLLING CULT 6R	1,38	JUNE	1.00	0.216	0.164	2.14	1.08	0.0	4.91	8.13
ROLLING CULT 6R	1,38	JULY	1.00	0.216	0.164	2.14	1.08	0.0	4.91	8.13
OFFSET DISC	1,34	NOV	1.00	0.228	0.173	2.27	1.14	0.0	6.24	9.66
CHISEL PLOW	1,33	NOV	1.00	0.202	0.153	2.09	1.01	0.0	3.95	7.04
TOTALS				1.770	1.700	18.04	8.85	17.44	44.48	88.81

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

QUANTITY OF SOYBEANS	PRICE OF SOYBEANS (DOLLARS)				
	5.00	5.63	6.25	6.88	7.50
33.60	-22.58	-1.58	19.42	40.42	61.42
37.80	-5.36	18.27	41.89	65.52	89.14
42.00	11.86	38.11	64.36	90.61	116.86
46.20	29.08	57.96	86.83	115.71	144.58
50.40	46.30	77.80	109.30	140.80	172.30

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