PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/17/82.

COASTAL BERMUDA HAY, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
CSTL BERMUDA HAY	10.00	TON	70.00	700.00	
TOTAL PROJECTED RETURNS				$ 700.00	$
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*NITROGEN (DRY)	300.00	LB.	0.26	78.00	
*PHOSPHATE	60.00	LB.	0.32	19.20	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		1.85	
EQUIPMENT		ACRE		0.69	
IRRIGATION		ACRE		31.44	
REPAIRS-------TRACTOR		ACRE		0.27	
EQUIPMENT		ACRE		0.70	
IRRIGATION		ACRE		8.04	
LABOR---------MACHINERY	0.81	HOUR	5.00	4.06	
IRRIGATION	1.20	HOUR	3.80	4.56	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	-48.15	DOL.	0.155	-7.46	
SUBTOTAL, PREHARVEST		ACRE		$ 142.42	$
HARVEST COSTS					
MOW, RAKE, BALE	333.30	BALE	0.65	216.64	
CUSTOM HAUL	333.30	BALE	0.20	66.66	
SUBTOTAL, HARVEST		ACRE		$ 283.30	$
TOTAL VARIABLE COSTS		ACRE		$ 425.72	$
BREAK-EVEN PRICE, VARIABLE COSTS		$ 42.57/TON	CSTL BERMUDA HAY		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 274.28	$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		4.98	
EQUIPMENT		ACRE		8.44	
IRRIGATION		ACRE		19.85	
LAND-CASH RENT	1.00	ACRE	25.00	25.00	
PRORATED ESTABL	132.44	DOL.	0.10	13.24	
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	
TOTAL FIXED COSTS		ACRE		$ 76.51	$
5. TOTAL PROJECTED COSTS		ACRE		$ 502.23	$
BREAK-EVEN PRICE, TOTAL COSTS		$ 50.22/TON	CSTL BERMUDA HAY		
6. NET PROJECTED RETURNS		ACRE		$ 197.77	$

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PROJECTIONS FOR PLANNING PURPOSES ONLY
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COASTAL BERMUDA HAY, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 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
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.68	1.02	34.80	3.18	39.68
DRY FERT SPRDER	5,60	MAY	1.00	0.203	0.154	0.68	1.02	15.60	3.18	20.48
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.68	1.02	15.60	3.18	20.48
DRY FERT SPRDER	5,60	JULY	1.00	0.203	0.154	0.68	1.02	15.60	3.18	20.48
TOTALS				0.813	0.616	2.74	4.06	81.60	12.73	101.13

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	APR	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	JUNE	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	AUG	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
TOTALS		12.00	1.200	0.0	39.48	4.56	0.0	19.85	63.89

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 CSTL BERMUDA HAY (DOLLARS)

QUANTITY OF CSTL BERMUDA HAY (TON)	56.00	63.00	70.00	77.00	84.00
8.00	78.94	134.94	190.94	246.94	302.94
9.00	106.61	169.61	232.61	295.61	358.61
10.00	134.28	204.28	274.28	344.28	414.28
11.00	161.95	238.95	315.95	392.95	469.95
12.00	189.62	273.62	357.62	441.62	525.62

PROJECTIONS FOR PLANNING PURPOSES ONLY
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FORAGE SORGHUM FOR GRAZE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SORGHUM PASTURE	600.00	DAYS	0.50	300.00	________
TOTAL PROJECTED RETURNS				$ 300.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*FORAGE SORG SEED	40.00	LB.	0.30	12.00	________
*NITROGEN (ANHY)	180.00	LB.	0.14	25.20	________
*PHOSPHATE	60.00	LB.	0.32	19.20	________
IRRIGATION WATER	16.00	ACIN			________
FUEL & LUBE--TRACTOR		ACRE		9.77	________
EQUIPMENT		ACRE		1.56	________
IRRIGATION		ACRE		41.92	________
REPAIRS------TRACTOR		ACRE		1.91	________
EQUIPMENT		ACRE		1.26	________
IRRIGATION		ACRE		10.72	________
LABOR---------MACHINERY	1.72	HOUR	5.00	8.58	________
IRRIGATION	1.60	HOUR	3.80	6.08	________
EQUIPMENT	0.63	HOUR	3.80	2.39	________
OPERATING CAPITAL	-29.97	DOL.	0.155	-4.65	________
SUBTOTAL, PREHARVEST		ACRE		$ 135.93	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 135.93	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 0.23/DAYS SORGHUM PASTURE			
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 164.07	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		15.75	________
EQUIPMENT		ACRE		12.71	________
IRRIGATION		ACRE		26.46	________
LAND-CASH RENT	1.00	ACRE	25.00	25.00	________
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	________
TOTAL FIXED COSTS		ACRE		$ 84.92	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 220.85	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 0.37/DAYS SORGHUM PASTURE			
6. NET PROJECTED RETURNS		ACRE		$ 79.15	$________

INCOME FROM CROP REFLECTED IN LIVESTOCK BUDGETS.

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B-1241(C16)

FORAGE SORGHUM FOR GRAZE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 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	2.02	1.31	0.0	3.51	6.84
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.59	1.01	0.0	2.52	5.12
OFFSET DISC	3,34	NOV	1.20	0.273	0.207	2.05	1.37	0.0	5.69	9.11
LAND PLANE	3,50	NOV	0.20	0.050	0.038	0.36	0.25	0.0	1.04	1.66
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	1.03	0.76	8.40	1.39	11.57
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	2.10	1.35	12.00	6.19	21.64
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.54	1.02	19.20	3.80	25.56
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	1.03	0.76	8.40	1.39	11.57
ANHYDROUS SPRDER	3,61	JULY	1.00	0.151	0.115	1.03	0.76	8.40	1.39	11.57
TOTALS				1.715	1.299	12.75	8.58	56.40	26.92	104.64

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	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	JUNE	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	JULY	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	AUG	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
TOTALS		16.00	1.600	0.0	52.64	6.08	0.0	26.46	85.18

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 PASTURE (DOLLARS)

QUANTITY OF SORGHUM PASTURE	DAYS	0.40	0.45	0.50	0.55	0.60
	480.00	56.07	80.07	104.07	128.07	152.07
	540.00	80.07	107.07	134.07	161.07	188.07
	600.00	104.07	134.07	164.07	194.07	224.07
	660.00	128.07	161.07	194.07	227.07	260.07
	720.00	152.07	188.07	224.07	260.07	296.07

OATS FOR GRAZING, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
OATS GRAZING AUD	400.00	DAYS	0.50	200.00	________
TOTAL PROJECTED RETURNS				$ 200.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*OATS SEED	64.00	LB.	0.15	9.60	________
*NITROGEN (ANHY)	120.00	LB.	0.14	16.80	________
*PHOSPHATE	60.00	LB.	0.32	19.20	________
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		4.46	________
EQUIPMENT		ACRE		1.56	________
IRRIGATION		ACRE		31.44	________
REPAIRS------TRACTOR		ACRE		0.73	________
EQUIPMENT		ACRE		1.18	________
IRRIGATION		ACRE		8.04	________
LABOR---------MACHINERY	1.50	HOUR	5.00	7.52	________
IRRIGATION	1.20	HOUR	3.80	4.56	________
EQUIPMENT	0.63	HOUR	3.80	2.39	________
OPERATING CAPITAL	-9.80	DOL.	0.155	-1.52	________
SUBTOTAL, PREHARVEST		ACRE		$ 105.96	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 105.96	$________
BREAK-EVEN PRICE, VARIABLE COSTS	$ 0.26/DAYS OATS GRAZING AUD				
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 94.04	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		10.15	________
EQUIPMENT		ACRE		13.56	________
IRRIGATION		ACRE		19.85	________
LAND-CASH RENT	1.00	ACRE	25.00	25.00	________
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	________
TOTAL FIXED COSTS		ACRE		$ 73.55	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 179.51	$________
BREAK-EVEN PRICE, TOTAL COSTS	$ 0.45/DAYS OATS GRAZING AUD				
6. NET PROJECTED RETURNS		ACRE		$ 20.49	$________

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OATS FOR GRAZING, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 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	5,33	JULY	1.00	0.202	0.153	0.74	1.01	0.0	1.91	3.66
OFFSET DISC	5,34	AUG	1.20	0.273	0.207	0.90	1.37	0.0	4.86	7.13
LAND PLANE	5,50	AUG	0.20	0.050	0.038	0.15	0.25	0.0	0.89	1.29
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	1.03	0.76	8.40	1.39	11.57
DRY FERT SPRDER	5,60	SEPT	1.00	0.203	0.154	0.68	1.02	19.20	3.18	24.08
GRAIN DRILL	5,46	OCT	1.00	0.270	0.205	0.96	1.35	9.60	5.37	17.28
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	1.03	0.76	8.40	1.39	11.57
DRY FERT SPRDER	5,60	JAN	1.00	0.203	0.154	0.68	1.02	0.0	3.18	4.88
TOTALS				1.504	1.140	6.19	7.52	45.60	22.16	81.47

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	OCT	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	DEC	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
WATER APPLICATION	FEB	4.00	0.400	0.0	13.16	1.52	0.0	6.62	21.30
TOTALS		12.00	1.200	0.0	39.48	4.56	0.0	19.85	63.89

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 OATS GRAZING AUD
(DOLLARS)

QUANTITY OF OATS GRAZING AUD	DAYS	0.40	0.45	0.50	0.55	0.60
	320.00	22.04	38.04	54.04	70.04	86.04
	360.00	38.04	56.04	74.04	92.04	110.04
	400.00	54.04	74.04	94.04	114.04	134.04
	440.00	70.04	92.04	114.04	136.04	158.04
	480.00	86.04	110.04	134.04	158.04	182.04

FORAGE SORGHUM HAY DRY LAND
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SORGHUM HAY	4.50	TON	70.00	315.00	________
TOTAL PROJECTED RETURNS				$ 315.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*FORAGE SORG SEED	30.00	LB.	0.30	9.00	________
*NITROGEN (ANHY)	80.00	LB.	0.14	11.20	________
*PHOSPHATE	40.00	LB.	0.32	12.80	________
FUEL & LUBE--TRACTOR		ACRE		8.36	________
EQUIPMENT		ACRE		0.69	________
REPAIRS-------TRACTOR		ACRE		1.63	________
EQUIPMENT		ACRE		1.10	________
LABOR---------MACHINERY	1.47	HOUR	5.00	7.34	________
EQUIPMENT	0.28	HOUR	3.80	1.06	________
OPERATING CAPITAL	-20.96	DOL.	0.155	-3.25	________
SUBTOTAL, PREHARVEST		ACRE		$ 49.94	$________
HARVEST COSTS					
MOW,RAKE,BALE	149.00	BALE	0.65	96.85	________
CUSTOM HAUL	149.00	BALE	0.20	29.80	________
SUBTOTAL, HARVEST		ACRE		$ 126.65	$________
TOTAL VARIABLE COSTS		ACRE		$ 176.59	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 39.24/TON		SORGHUM HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 138.41	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		13.48	________
EQUIPMENT		ACRE		10.75	________
LAND-CASH RENT	1.00	ACRE	10.00	10.00	________
MISC ADMIN O/H	0.30	ACRE	10.00	3.00	________
TOTAL FIXED COSTS		ACRE		$ 37.23	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 213.82	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 47.52/TON		SORGHUM HAY	
6. NET PROJECTED RETURNS		ACRE		$ 101.18	$________

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FORAGE SORGHUM HAY DRY LAND
TEXAS EDWARDS AQUIFER REGION
1982 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	OCT	1.00	0.263	0.199	2.02	1.31	0.0	3.51	6.84
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.59	1.01	0.0	2.52	5.12
OFFSET DISC	3,34	NOV	1.00	0.228	0.173	1.71	1.14	0.0	4.74	7.59
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	1.03	0.76	5.60	1.39	8.77
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.54	1.02	12.80	3.80	19.16
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	2.10	1.35	9.00	6.19	18.64
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	1.03	0.76	5.60	1.39	8.77
TOTALS				1.468	1.112	11.01	7.34	33.00	23.54	74.89

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)

QUANTITY OF SORGHUM HAY	TON	56.00	63.00	70.00	77.00	84.00
	3.60	50.34	75.54	100.74	125.94	151.14
	4.05	62.87	91.22	119.57	147.92	176.27
	4.50	75.41	106.91	138.41	169.91	201.41
	4.95	87.94	122.59	157.24	191.89	226.54
	5.40	100.48	138.28	176.08	213.88	251.68

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FORAGE SORGHUM HAY, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
SORGHUM HAY	11.25	TON	70.00	787.50	
TOTAL PROJECTED RETURNS				$ 787.50	$
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*FORAGE SORG SEED	40.00	LB.	0.30	12.00	
*NITROGEN (ANHY)	240.00	LB.	0.14	33.60	
*PHOSPHATE	60.00	LB.	0.32	19.20	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE—TRACTOR		ACRE		10.63	
EQUIPMENT		ACRE		1.56	
IRRIGATION		ACRE		41.92	
REPAIRS------TRACTOR		ACRE		2.07	
EQUIPMENT		ACRE		1.26	
IRRIGATION		ACRE		10.72	
LABOR---------MACHINERY	1.87	HOUR	5.00	9.33	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.63	HOUR	3.80	2.39	
OPERATING CAPITAL	-53.21	DOL.	0.155	-8.25	
SUBTOTAL, PREHARVEST		ACRE		$ 142.51	$
HARVEST COSTS					
MOW, RAKE, BALE	375.00	BALE	0.65	243.75	
CUSTOM HAUL	375.00	BALE	0.20	75.00	
SUBTOTAL, HARVEST		ACRE		$ 318.75	$
TOTAL VARIABLE COSTS		ACRE		$ 461.26	$
BREAK-EVEN PRICE, VARIABLE COSTS		$ 41.00/TON	SORGHUM HAY		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 326.24	$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.13	
EQUIPMENT		ACRE		12.71	
IRRIGATION		ACRE		26.46	
LAND-CASH RENT	1.00	ACRE	35.00	35.00	
MISC ADMIN O/H	0.50	ACRE	10.00	5.00	
TOTAL FIXED COSTS		ACRE		$ 96.31	$
5. TOTAL PROJECTED COSTS		ACRE		$ 557.57	$
BREAK-EVEN PRICE, TOTAL COSTS		$ 49.56/TON	SORGHUM HAY		
6. NET PROJECTED RETURNS		ACRE		$ 229.93	$

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.