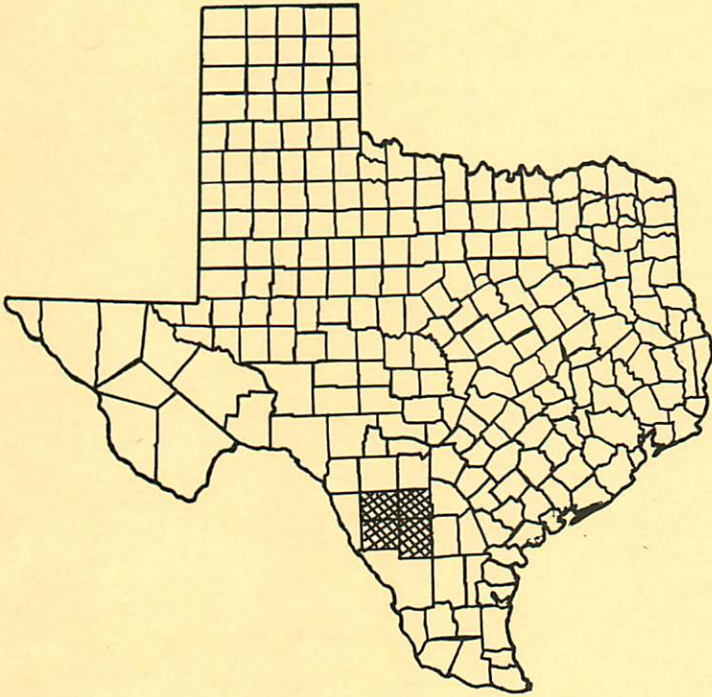


TEXAS WINTER GARDEN

SOIL RESOURCE AREA 12

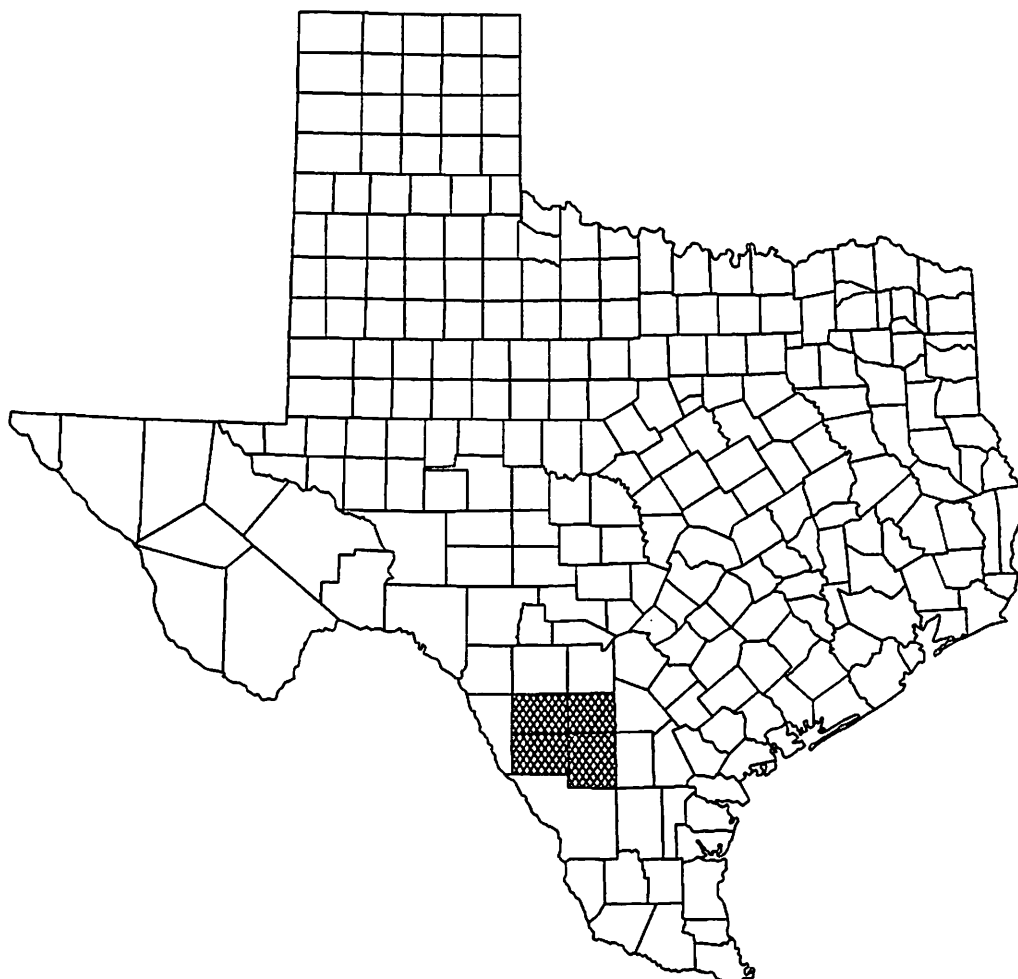


Zavala	Frio
Dimmit	Lasalle

TEXAS CROP ENTERPRISE BUDGETS

TEXAS WINTER GARDEN REGION

Projected for 1984



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BUFFLE GRASS PASTURE ESTABLISHMENT, (CULTIVATED LAND), DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
BUFFLE GR. PAST	30.00	DAYS	0.50	15.00	_____
TOTAL PROJECTED RETURNS				\$ 15.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*BUFFLE GRASS SD	1.00	LB.	3.40	3.40	_____
*NITROGEN (DRY)	40.00	LB.	0.26	10.40	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
FUEL & LUBE--TRACTOR		ACRE		4.26	_____
EQUIPMENT		ACRE		0.62	_____
REPAIRS-----TRACTOR		ACRE		0.82	_____
EQUIPMENT		ACRE		1.88	_____
LABOR-----MACHINERY	1.23	HOUR	5.00	6.13	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	26.62	DOL.	0.125	3.33	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 40.77	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 40.77	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 1.36/DAYS		BUFFLE GR. PAST
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -25.77	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		13.22	_____
EQUIPMENT		ACRE		13.52	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 41.24	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 82.01	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 2.73/DAYS		BUFFLE GR. PAST
6. NET PROJECTED RETURNS		ACRE		\$ -67.01	\$ _____

BUDGET ESTIMATE BASED ON CONVERTING FORMERLY CULTIVATED LAND INTO IMPROVED BUFFLE GRASS PASTURE.

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 04/16/84. B-1241(C12)

BUFFLE GRASS PASTURE ESTABLISHMENT, (CULTIVATED LAND), 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		APPL. MACH		TOTAL OPER. COST
						OPER COSTS	LABOR COSTS	INPUT COSTS	FIXED COSTS	
MOLDBOARD PLOW	4,32	JAN	1.00	0.571	0.432	3.58	2.85	0.0	12.34	18.77
OFFSET DISC	4,34	JAN	1.00	0.228	0.173	1.18	1.14	0.0	4.96	7.28
PLANTER GR	4,42	FEB	1.00	0.224	0.170	1.45	1.12	3.40	5.59	11.57
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.65	1.02	19.20	3.08	23.95
TOTALS				1.226	0.929	6.87	6.13	22.60	25.98	61.57

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 BUFFLE GR. PAST (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF BUFFLE GR. PAST	DAYS					
	24.00	-31.17	-29.97	-28.77	-27.57	-26.37
	27.00	-29.97	-28.62	-27.27	-25.92	-24.57
	30.00	-28.77	-27.27	-25.77	-24.27	-22.77
	33.00	-27.57	-25.92	-24.27	-22.62	-20.97
	36.00	-26.37	-24.57	-22.77	-20.97	-19.17

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

BUFFLE GRASS EST. (MARGINAL LAND) DRYLAND
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
BUFFLE GR. PAST	15.00	DAYS	0.50	7.50	_____
TOTAL PROJECTED RETURNS			\$	7.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
CUSTOM ROOT PLOW	1.00	ACRE	45.00	45.00	_____
BUFFLE GRASS SD	1.00	LB.	3.40	3.40	_____
FUEL & LUBE--TRACTOR		ACRE		0.53	_____
EQUIPMENT		ACRE		0.62	_____
REPAIRS-----TRACTOR		ACRE		0.11	_____
EQUIPMENT		ACRE		0.33	_____
LABOR-----MACHINERY	0.26	HOURL	5.00	1.31	_____
EQUIPMENT	0.28	HOURL	4.00	1.12	_____
OPERATING CAPITAL	48.87	DOL.	0.125	6.11	_____
SUBTOTAL, PREHARVEST		ACRE	\$	58.54	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE	\$	58.54	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$	3.90/DAYS	BUFFLE GR. PAST
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-51.04	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		1.79	_____
EQUIPMENT		ACRE		1.72	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE	\$	18.01	\$ _____
5. TOTAL PROJECTED COSTS		ACRE	\$	76.55	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$	5.10/DAYS	BUFFLE GR. PAST
6. NET PROJECTED RETURNS		ACRE	\$	-69.05	\$ _____

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BUFFEL GRASS EST. (MARGINAL LAND) 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		APPL. MACH		TOTAL OPER. COST
						OPER COSTS	LABOR COSTS	INPUT COSTS	FIXED COSTS	
SHREDDER	5,30	JUNE	1.00	0.263	0.199	0.87	1.31	0.0	2.75	4.93
TOTALS				0.263	0.199	0.87	1.31	0.0	2.75	4.93

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 BUFFLE GR. PAST (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF BUFFLE GR. PAST	DAYS					
	12.00	-53.74	-53.14	-52.54	-51.94	-51.34
	13.50	-53.14	-52.46	-51.79	-51.11	-50.44
	15.00	-52.54	-51.79	-51.04	-50.29	-49.54
	16.50	-51.94	-51.11	-50.29	-49.46	-48.64
	18.00	-51.34	-50.44	-49.54	-48.64	-47.74

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

BUFFLE GRASS PASTURE, DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
BUFFLE GR. PAST	48.00	DAYS	0.50	24.00	_____
TOTAL PROJECTED RETURNS				\$ 24.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
FUEL & LUBE--TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.47	_____
REPAIRS-----TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.08	_____
LABOR-----MACHINERY	0.0	HOUR	5.00	0.0	_____
EQUIPMENT	0.21	HOUR	4.00	0.84	_____
OTHER	0.40	HOUR	4.00	1.60	_____
OPERATING CAPITAL	-12.91	DOL.	0.125	-1.61	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 1.37	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 1.37	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.03/DAYS		BUFFLE GR. PAST
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 22.63	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	_____
EQUIPMENT		ACRE		0.57	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
PRORATED ESTABL	67.01	DOL.	0.10	6.70	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 21.77	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 23.14	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.48/DAYS		BUFFLE GR. PAST
6. NET PROJECTED RETURNS		ACRE		\$ 0.86	\$ _____

ESTABLISHMENT COST PRORATED OVER 10 YEARS. INCOME FROM CROP REFLECTED IN LIVESTOCK BUDGETS.

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BUFFLE GRASS PASTURE, 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
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 BUFFLE GR. PAST (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF BUFFLE GR. PAST	DAYS					
	38.40	13.99	15.91	17.83	19.75	21.67
	43.20	15.91	18.07	20.23	22.39	24.55
	48.00	17.83	20.23	22.63	25.03	27.43
	52.80	19.75	22.39	25.03	27.67	30.31
	57.60	21.67	24.55	27.43	30.31	33.19

COASTAL BERMUDA PASTURE ESTABLISHMENT, DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CSTL PAST GRAZNG	100.00	DAYS	0.50	50.00	_____
TOTAL PROJECTED RETURNS			\$	50.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
SPRIG & SPRIGNG	1.00	ACRE	40.00	40.00	_____
*NITROGEN (DRY)	50.00	LB.	0.26	13.00	_____
*PHOSPHATE	30.00	LB.	0.22	6.60	_____
*HERBICIDE	1.00	ACRE	2.40	2.40	_____
FUEL & LUBE--TRACTOR		ACRE		4.12	_____
EQUIPMENT		ACRE		0.62	_____
REPAIRS-----TRACTOR		ACRE		0.81	_____
EQUIPMENT		ACRE		1.52	_____
LABOR-----MACHINERY	1.35	HOUR	5.00	6.75	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	32.91	DOL.	0.125	4.11	_____
SUBTOTAL, PREHARVEST		ACRE	\$	81.06	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE	\$	81.06	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$	0.81/DAYS	CSTL PAST GRAZNG
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-31.06	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		13.01	_____
EQUIPMENT		ACRE		12.53	_____
LAND-CASH RENT	1.00	ACRE	10.00	10.00	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE	\$	40.03	\$ _____
5. TOTAL PROJECTED COSTS		ACRE	\$	121.09	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$	1.21/DAYS	CSTL PAST GRAZNG
6. NET PROJECTED RETURNS		ACRE	\$	-71.09	\$ _____

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B-1241(C12)

COASTAL BERMUDA PASTURE ESTABLISHMENT, 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	4,32	FEB	1.00	0.571	0.432	3.58	2.85	0.0	12.34	18.77
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.96	7.28
DRY FERT SPRDER	5,60	MAR	1.00	0.203	0.154	0.65	1.02	19.60	3.08	24.35
HERBICIDE SPRAYR	5,63	APR	1.00	0.349	0.264	0.93	1.75	2.40	4.39	9.46
TOTALS				1.351	1.023	6.34	6.75	22.00	24.77	59.87

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 PAST GRAZNG (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF CSTL PAST GRAZNG	DAYS					
	80.00	-49.06	-45.06	-41.06	-37.06	-33.06
	90.00	-45.06	-40.56	-36.06	-31.56	-27.06
	100.00	-41.06	-36.06	-31.06	-26.06	-21.06
	110.00	-37.06	-31.56	-26.06	-20.56	-15.06
	120.00	-33.06	-27.06	-21.06	-15.06	-9.06

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

COASTAL BERMUDA PASTURE, DRYLAND
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CSTL PAST GRAZNG	200.00	DAYS	0.50	100.00	_____
TOTAL PROJECTED RETURNS				\$ 100.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	90.00	LB.	0.26	23.40	_____
*PHOSPHATE	30.00	LB.	0.22	6.60	_____
*HERBICIDE	1.00	ACRE	2.40	2.40	_____
FUEL & LUBE---TRACTOR		ACRE		2.12	_____
EQUIPMENT		ACRE		0.64	_____
REPAIRS-----TRACTOR		ACRE		0.44	_____
EQUIPMENT		ACRE		0.70	_____
LABOR-----MACHINERY	1.01	HOUR	5.00	5.04	_____
EQUIPMENT	0.29	HOUR	4.00	1.14	_____
OPERATING CAPITAL	-16.62	DOL.	0.125	-2.08	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 40.41	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 40.41	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.20/DAYS	CSTL PAST GRAZNG	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 59.59	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		7.11	_____
EQUIPMENT		ACRE		8.04	_____
LAND-CASH RENT	1.00	ACRE	15.00	15.00	_____
PRORATED ESTABL	71.09	ACRE	0.10	7.11	_____
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	_____
TOTAL FIXED COSTS		ACRE		\$ 41.76	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 82.17	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.41/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ 17.83	\$ _____

ESTABLISHMENT COSTS PRO-RATED OVER TEN YEAR PERIOD

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COASTAL BERMUDA PASTURE, 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	4,33	FEB	0.25	0.050	0.038	0.28	0.25	0.0	0.73	1.26
HERBICIDE SPRAYR	5,63	FEB	1.00	0.349	0.264	0.93	1.75	2.40	4.39	9.46
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.65	1.02	14.40	3.08	19.15
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.65	1.02	7.80	3.08	12.55
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.65	1.02	7.80	3.08	12.55
TOTALS				1.009	0.764	3.16	5.04	32.40	14.37	54.97

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

DAYS	PRICE OF CSTL PAST GRAZNG (DOLLARS)				
	0.40	0.45	0.50	0.55	0.60
160.00	23.59	31.59	39.59	47.59	55.59
180.00	31.59	40.59	49.59	58.59	67.59
200.00	39.59	49.59	59.59	69.59	79.59
220.00	47.59	58.59	69.59	80.59	91.59
240.00	55.59	67.59	79.59	91.59	103.59

COASTAL BERMUDA PASTURE, ESTABLISHMENT, IRRIGATED
 TEXAS WINTER GARDEN REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CSTL PAST GRAZNG	240.00	DAYS	0.50	120.00	_____
TOTAL PROJECTED RETURNS				\$ 120.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
SPRIG & SPRIGNG	1.00	ACRE	40.00	40.00	_____
*NITROGEN (DRY)	180.00	LB.	0.26	46.80	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
*HERBICIDE	1.00	ACRE	2.40	2.40	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		4.94	_____
EQUIPMENT		ACRE		0.62	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		0.98	_____
EQUIPMENT		ACRE		1.83	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	1.76	HOUR	5.00	8.79	_____
IRRIGATION	1.60	HOUR	4.00	6.40	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	69.10	DOL.	0.125	8.64	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 225.31	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 225.31	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.94/DAYS	CSTL PAST GRAZNG	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -105.31	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.77	_____
EQUIPMENT		ACRE		15.93	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	25.00	25.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 96.84	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 322.15	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 1.34/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ -202.15	\$ _____

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.

COASTAL BERMUDA PASTURE, ESTABLISHMENT, 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		APPL.	MACH	TOTAL OPER. COST
						OPER COSTS	LABOR COSTS	INPUT COSTS	FIXED COSTS	
MOLDBOARD PLOW	4,32	FEB	1.00	0.571	0.432	3.58	2.85	0.0	12.34	18.77
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.96	7.28
HERBICIDE SPRAYR	5,63	FEB	1.00	0.349	0.264	0.93	1.75	2.40	4.39	9.46
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.65	1.02	28.80	3.08	33.55
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
TOTALS				1.757	1.331	7.64	8.79	62.40	30.94	109.77

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG		APPL.	IRRIG	TOTAL IRRIG COSTS	
					OPER. COSTS	LABOR COSTS	INPUT COSTS	FIXED 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 CSTL PAST GRAZNG
(DOLLARS)

DAYS	PRICE OF CSTL PAST GRAZNG (DOLLARS)					
	0.40	0.45	0.50	0.55	0.60	
192.00	-148.51	-138.91	-129.31	-119.71	-110.11	
216.00	-138.91	-128.11	-117.31	-106.51	-95.71	
QUANTITY OF CSTL PAST GRAZNG	240.00	-129.31	-117.31	-105.31	-93.31	-81.31
264.00	-119.71	-106.51	-93.31	-80.11	-66.91	
288.00	-110.11	-95.71	-81.31	-66.91	-52.51	

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

COASTAL BERMUDA PASTURE, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CSTL PAST GRAZNG	600.00	DAYS	0.50	300.00	_____
TOTAL PROJECTED RETURNS				\$ 300.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	300.00	LB.	0.26	78.00	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
*HERBICIDE	1.00	ACRE	2.40	2.40	_____
IRRIGATION WATER	20.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		5.67	_____
EQUIPMENT		ACRE		0.62	_____
IRRIGATION		ACRE		100.00	_____
REPAIRS-----TRACTOR		ACRE		1.09	_____
EQUIPMENT		ACRE		1.19	_____
IRRIGATION		ACRE		12.00	_____
LABOR-----MACHINERY	1.63	HOURL	5.00	8.14	_____
IRRIGATION	2.00	HOURL	4.00	8.00	_____
EQUIPMENT	0.28	HOURL	4.00	1.12	_____
OPERATING CAPITAL	3.72	DOL.	0.125	0.46	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 231.90	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 231.90	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.39/DAYS	CSTL PAST GRAZNG	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 68.10	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.59	_____
EQUIPMENT		ACRE		12.23	_____
IRRIGATION		ACRE		40.80	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
PRORATED ESTABL	202.15	DOL.	0.10	20.22	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 138.33	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 370.23	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.62/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ -70.23	\$ _____

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COASTAL BERMUDA PASTURE, 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		APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
						OPER COSTS	LABOR COSTS			
DRY FERT SPRDER	4,60	FEB	1.00	0.203	0.154	1.07	1.02	28.80	4.05	34.93
HERBICIDE SPRAYR	4,63	FEB	1.00	0.349	0.264	1.65	1.75	2.40	6.05	11.84
SHREDDER	5,30	FEB	1.00	0.263	0.199	0.87	1.31	0.0	2.75	4.93
DRY FERT SPRDER	4,60	MAY	1.00	0.203	0.154	1.07	1.02	15.60	4.05	21.73
DRY FERT SPRDER	4,60	JUNE	1.00	0.203	0.154	1.07	1.02	15.60	4.05	21.73
DRY FERT SPRDER	4,60	JULY	1.00	0.203	0.154	1.07	1.02	15.60	4.05	21.73
DRY FERT SPRDER	4,60	AUG	1.00	0.203	0.154	1.07	1.02	15.60	4.05	21.73
TOTALS				1.628	1.233	7.85	8.14	93.60	29.05	138.64

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

DAYS	PRICE OF CSTL PAST GRAZNG (DOLLARS)				
	0.40	0.45	0.50	0.55	0.60
480.00	-39.90	-15.90	8.10	32.10	56.10
540.00	-15.90	11.10	38.10	65.10	92.10
600.00	8.10	38.10	68.10	98.10	128.10
660.00	32.10	65.10	98.10	131.10	164.10
720.00	56.10	92.10	128.10	164.10	200.10

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

COASTAL BERMUDA HAY, ESTABLISHMENT, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR ESTIMATE
			\$/UNIT	VALUE	
1. GROSS RECEIPTS					
CSTL BERMUDA HAY	4.00	TON	60.00	240.00	_____
TOTAL PROJECTED RETURNS				\$ 240.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
SPRIG & SPRIGGING	1.00	ACRE	40.00	40.00	_____
*NITROGEN (DRY)	180.00	LB.	0.26	46.80	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
*HERBICIDE	1.00	ACRE	2.40	2.40	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		4.94	_____
EQUIPMENT		ACRE		0.62	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		0.98	_____
EQUIPMENT		ACRE		1.83	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	1.76	HOUR	5.00	8.79	_____
IRRIGATION	1.60	HOUR	4.00	6.40	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	72.42	DOL.	0.125	9.05	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 225.73	\$ _____
HARVEST COSTS					
MOW, RAKE, BALE	132.00	BALE	0.90	118.80	_____
CUSTOM HAUL	132.00	BALE	0.15	19.80	_____
SUBTOTAL, HARVEST		ACRE		\$ 138.60	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 364.33	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS \$ 91.08/TON CSTL BERMUDA HAY					
3. INCOME ABOVE VARIABLE COSTS					
		ACRE		\$ -124.33	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.77	_____
EQUIPMENT		ACRE		15.93	_____
IRRIGATION		ACRE		32.64	_____
LAND-CASH RENT	1.00	ACRE	25.00	25.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 96.84	\$ _____
5. TOTAL PROJECTED COSTS					
		ACRE		\$ 461.17	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS \$115.29/TON CSTL BERMUDA HAY					
6. NET PROJECTED RETURNS					
		ACRE		\$ -221.17	\$ _____

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PROJECTIONS FOR PLANNING PURPOSES ONLY
 NOT TO BE USED WITHOUT UPDATING AFTER 04/16/84.

B-1241(C12)

COASTAL BERMUDA HAY, ESTABLISHMENT, 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	4,32	FEB	1.00	0.571	0.432	3.58	2.85	0.0	12.34	18.77
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.96	7.28
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.65	1.02	28.80	3.08	33.55
HERBICIDE SPRAYR	5,63	APR	1.00	0.349	0.264	0.93	1.75	2.40	4.39	9.46
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
TOTALS				1.757	1.331	7.64	8.79	62.40	30.94	109.77

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 CSTL BERMUDA HAY (DOLLARS)				
		48.00	54.00	60.00	66.00	72.00
QUANTITY OF CSTL BERMUDA HAY	TON					
	3.20	-183.01	-163.81	-144.61	-125.41	-106.21
	3.60	-177.67	-156.07	-134.47	-112.87	-91.27
	4.00	-172.33	-148.33	-124.33	-100.33	-76.33
	4.40	-166.99	-140.59	-114.19	-87.79	-61.39
	4.80	-161.65	-132.85	-104.05	-75.25	-46.45

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

COASTAL BERMUDA 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					
CSTL BERMUDA HAY	10.00	TON	60.00	600.00	_____
TOTAL PROJECTED RETURNS				\$ 600.00	\$ _____
2. VARIABLE COSTS					
INPUT USE					
PREHARVEST COSTS					
*NITROGEN (DRY)	300.00	LB.	0.26	78.00	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
IRRIGATION WATER	20.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		1.63	_____
EQUIPMENT		ACRE		0.62	_____
IRRIGATION		ACRE		100.00	_____
REPAIRS-----TRACTOR		ACRE		0.34	_____
EQUIPMENT		ACRE		0.72	_____
IRRIGATION		ACRE		12.00	_____
LABOR-----MACHINERY	0.81	HR	5.00	4.06	_____
IRRIGATION	2.00	HR	4.00	8.00	_____
EQUIPMENT	0.28	HR	4.00	1.12	_____
OPERATING CAPITAL	11.74	DOL.	0.125	1.47	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 221.17	\$ _____
HARVEST COSTS					
MOW, RAKE, BALE	333.30	BALE	0.90	299.97	_____
CUSTOM HAUL	333.30	BALE	0.15	49.99	_____
SUBTOTAL, HARVEST		ACRE		\$ 349.96	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 571.14	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 57.11/TON		CSTL BERMUDA HAY
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 28.86	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		5.54	_____
EQUIPMENT		ACRE		7.56	_____
IRRIGATION		ACRE		40.80	_____
LAND-CASH RENT	1.00	ACRE	40.00	40.00	_____
PRORATED ESTABL	221.17	DOL.	0.10	22.12	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 123.52	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 694.66	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 69.47/TON		CSTL BERMUDA HAY
6. NET PROJECTED RETURNS		ACRE		\$ -94.66	\$ _____

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COASTAL BERMUDA 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
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.65	1.02	28.80	3.08	33.55
DRY FERT SPRDER	5,60	MAY	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
DRY FERT SPRDER	5,60	JULY	1.00	0.203	0.154	0.65	1.02	15.60	3.08	20.35
TOTALS				0.813	0.616	2.60	4.06	75.60	12.34	94.60

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	APR	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
WATER APPLICATION	SEPT	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 CSTL BERMUDA HAY (DOLLARS)				
		48.00	54.00	60.00	66.00	72.00
QUANTITY OF CSTL BERMUDA HAY	TON					
	8.00	-117.14	-69.14	-21.14	26.86	74.86
	9.00	-104.14	-50.14	3.86	57.86	111.86
	10.00	-91.14	-31.14	28.86	88.86	148.86
	11.00	-78.13	-12.13	53.87	119.87	185.87
	12.00	-65.13	6.87	78.87	150.87	222.87

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

FORAGE SORGHUM FOR GRAZE, 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 PASTURE	600.00	DAYS	0.50	300.00	_____
TOTAL PROJECTED RETURNS				\$ 300.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*FORAGE SORG SEED	40.00	LB.	0.32	12.80	_____
*NITROGEN (ANHY)	180.00	LB.	0.13	23.40	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
IRRIGATION WATER	16.00	ACIN			_____
FUEL & LUBE---TRACTOR		ACRE		8.62	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		80.00	_____
REPAIRS-----TRACTOR		ACRE		2.55	_____
EQUIPMENT		ACRE		1.30	_____
IRRIGATION		ACRE		9.60	_____
LABOR-----MACHINERY	1.72	HOOR	5.00	8.58	_____
IRRIGATION	1.60	HOOR	4.00	6.40	_____
EQUIPMENT	0.63	HOOR	4.00	2.51	_____
OPERATING CAPITAL	-19.89	DOL.	0.125	-2.49	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 167.88	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 167.88	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.28/DAYS	SORGHUM PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 132.12	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		18.18	_____
EQUIPMENT		ACRE		11.52	_____
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		\$ 109.84	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 277.72	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.46/DAYS	SORGHUM PASTURE	
6. NET PROJECTED RETURNS		ACRE		\$ 22.28	\$ _____

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FORAGE SORGHUM FOR GRAZE, 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
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	2.02	1.35	12.80	6.12	22.29
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	MAY	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				1.715	1.299	12.25	8.58	49.40	27.99	98.21

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	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		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 SORGHUM PASTURE
(DOLLARS)

DAYS	PRICE OF SORGHUM PASTURE (DOLLARS)				
	0.40	0.45	0.50	0.55	0.60
480.00	24.12	48.12	72.12	96.12	120.12
540.00	48.12	75.12	102.12	129.12	156.12
600.00	72.12	102.12	132.12	162.12	192.12
660.00	96.12	129.12	162.12	195.12	228.12
720.00	120.12	156.12	192.12	228.12	264.12

OATS FOR GRAZING, IRRIGATED
TEXAS WINTER GARDEN REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED		PROJECTED		YOUR ESTIMATE
	YIELD	UNIT	\$/UNIT	VALUE	
1. GROSS RECEIPTS					
OATS GRAZING AUD	400.00	DAYS	0.50	200.00	_____
TOTAL PROJECTED RETURNS				\$ 200.00	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS		INPUT USE			
*OATS SEED	64.00	LB.	0.15	9.60	_____
*NITROGEN (ANHY)	120.00	LB.	0.13	15.60	_____
*PHOSPHATE	60.00	LB.	0.22	13.20	_____
IRRIGATION WATER	12.00	ACIN			_____
FUEL & LUBE--TRACTOR		ACRE		3.53	_____
EQUIPMENT		ACRE		1.40	_____
IRRIGATION		ACRE		60.00	_____
REPAIRS-----TRACTOR		ACRE		0.87	_____
EQUIPMENT		ACRE		1.07	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.30	HOOR	5.00	6.51	_____
IRRIGATION	1.20	HOOR	4.00	4.80	_____
EQUIPMENT	0.63	HOOR	4.00	2.51	_____
OPERATING CAPITAL	-4.93	DOL.	0.125	-0.62	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 125.67	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 125.67	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.31/DAYS	OATS GRAZING AUD	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 74.33	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		10.01	_____
EQUIPMENT		ACRE		10.56	_____
IRRIGATION		ACRE		24.48	_____
LAND-CASH RENT	1.00	ACRE	25.00	25.00	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 77.55	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 203.23	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.51/DAYS	OATS GRAZING AUD	
6. NET PROJECTED RETURNS		ACRE		\$ -3.23	\$ _____

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OATS FOR GRAZING, 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	5,33	JULY	1.00	0.202	0.153	0.71	1.01	0.0	1.96	3.68
OFFSET DISC	5,34	AUG	1.20	0.273	0.207	0.86	1.37	0.0	4.65	6.88
LAND PLANE	5,50	AUG	0.20	0.050	0.038	0.14	0.25	0.0	0.85	1.25
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
DRY FERT SPRDER	5,60	SEPT	1.00	0.203	0.154	0.65	1.02	13.20	3.08	17.95
GRAIN DRILL	5,46	OCT	1.00	0.270	0.205	0.91	1.35	9.60	5.10	16.96
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.99	0.76	7.80	1.60	11.15
TOTALS				1.301	0.986	5.24	6.51	38.40	18.86	69.00

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	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	DEC	4.00	0.400	0.0	22.40	1.60	0.0	8.16	32.16
WATER APPLICATION	FEB	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 OATS GRAZING AUD
 (DOLLARS)

DAYS	PRICE OF OATS GRAZING AUD (DOLLARS)				
	0.40	0.45	0.50	0.55	0.60
320.00	2.33	18.33	34.33	50.33	66.33
360.00	18.33	36.33	54.33	72.33	90.33
400.00	34.33	54.33	74.33	94.33	114.33
440.00	50.33	72.33	94.33	116.33	138.33
480.00	66.33	90.33	114.33	138.33	162.33

FORAGE SORGHUM HAY, DRYLAND
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	4.50	TON	65.00	292.50	_____
TOTAL PROJECTED RETURNS				\$ 292.50	\$ _____
2. VARIABLE COSTS					
PREHARVEST COSTS					
*FORAGE SORG SEED	30.00	LB.	0.32	9.60	_____
*NITROGEN (ANHY)	80.00	LB.	0.13	10.40	_____
*PHOSPHATE	40.00	LB.	0.22	8.80	_____
FUEL & LUBE--TRACTOR		ACRE		7.38	_____
EQUIPMENT		ACRE		0.62	_____
REPAIRS-----TRACTOR		ACRE		2.18	_____
EQUIPMENT		ACRE		1.12	_____
LABOR-----MACHINERY	1.47	HOUR	5.00	7.34	_____
EQUIPMENT	0.28	HOUR	4.00	1.12	_____
OPERATING CAPITAL	-9.99	DOL.	0.125	-1.25	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 47.32	\$ _____
HARVEST COSTS					
MOW,RAKE,BALE	149.00	BALE	0.90	134.10	_____
CUSTOM HAUL	149.00	BALE	0.15	22.35	_____
SUBTOTAL, HARVEST		ACRE		\$ 156.45	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 203.77	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 45.28/TON		SORGHUM HAY
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 88.73	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.56	_____
EQUIPMENT		ACRE		9.59	_____
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		\$ 44.66	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 248.43	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$ 55.21/TON		SORGHUM HAY
6. NET PROJECTED RETURNS		ACRE		\$ 44.07	\$ _____

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FORAGE SORGHUM HAY, 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	OCT	1.00	0.263	0.199	1.94	1.31	0.0	3.74	7.00
CHISEL PLOW	3,39	NOV	1.00	0.202	0.153	1.53	1.01	0.0	2.73	5.27
OFFSET DISC	3,34	NOV	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	5.20	1.60	8.55
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.48	1.02	8.80	3.85	15.15
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	2.02	1.35	9.60	6.12	19.09
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.99	0.76	5.20	1.60	8.55
TOTALS				1.468	1.112	10.59	7.34	28.80	24.39	71.12

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF SORGHUM HAY
 (DOLLARS)

	52.00	58.50	65.00	71.50	78.00
TON					
3.60	14.72	38.12	61.52	84.92	108.32
4.05	22.48	48.80	75.12	101.45	127.77
QUANTITY OF SORGHUM HAY					
4.50	30.23	59.48	88.73	117.98	147.23
4.95	37.98	70.16	102.33	134.51	166.68
5.40	45.74	80.84	115.94	151.04	186.14