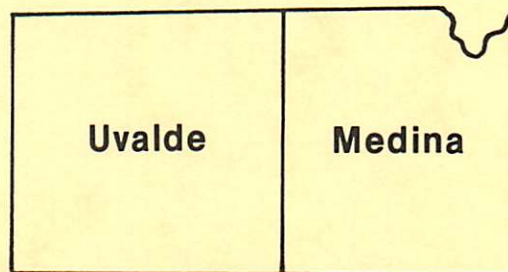
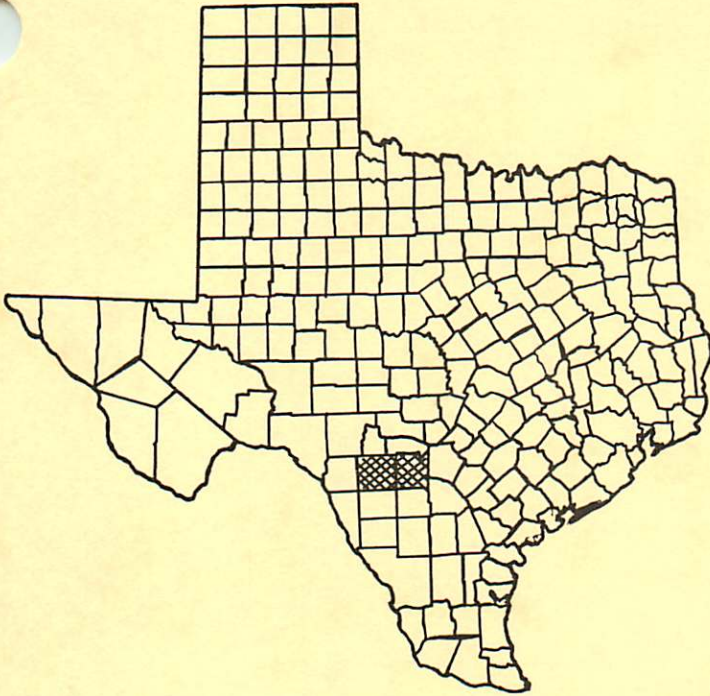


TEXAS EDWARDS AQUIFER

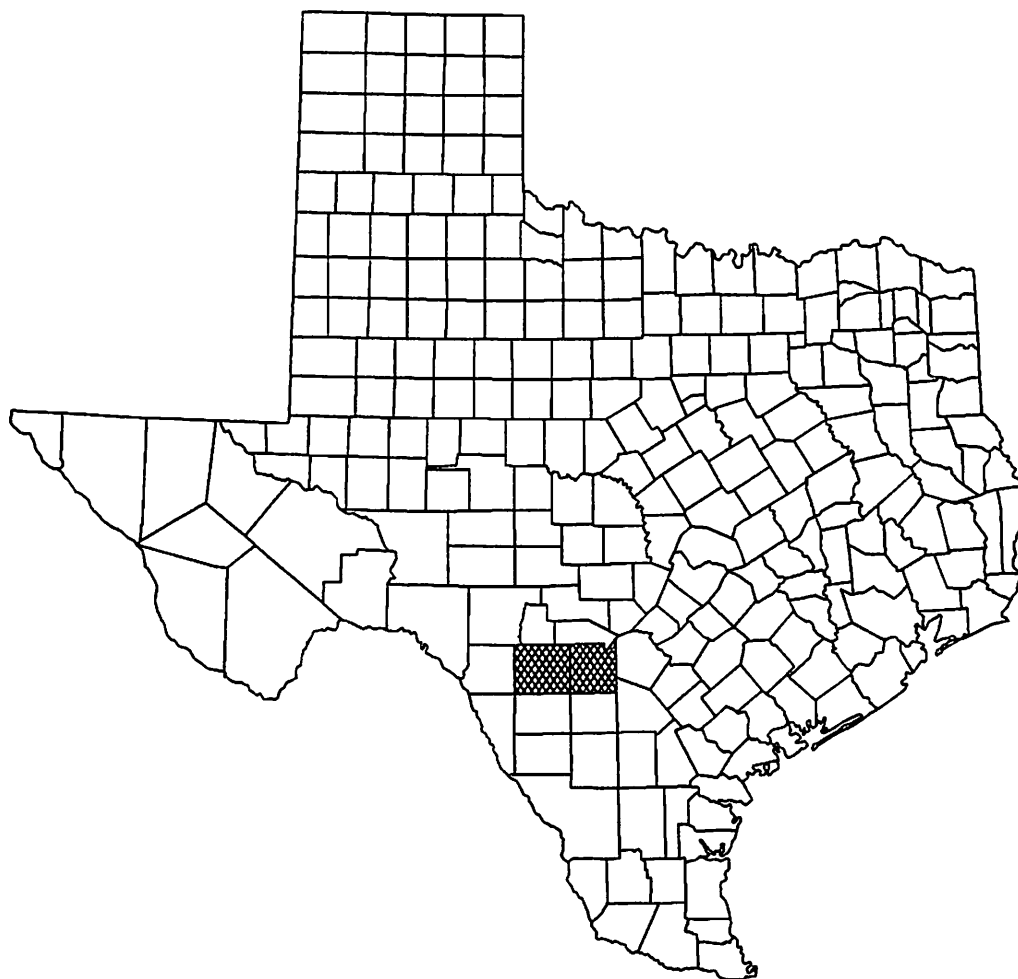
SOIL RESOURCE AREA 16



TEXAS CROP ENTERPRISE BUDGETS

TEXAS EDWARDS AQUIFER REGION

Projected for 1984



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

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
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	HOOR	5.00	6.13	
EQUIPMENT	0.28	HOOR	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.

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 ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE
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 EXTENSION SERVICE AND APPROVED FOR PUBLICATION.

PROJECTIONS FOR PLANNING PURPOSES ONLY
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B-1241(C16)

BUFFEL GRASS PASTURE ESTABLISHMENT, (CULTIVATED LAND), DRYLAND
TEXAS EDWARDS AQUIFER 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. MACH INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
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 6R	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 EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
BUFFLE GR. PAST	15.00	DAYS	0.50	7.50	
TOTAL PROJECTED RETURNS				\$ 7.50	\$
2. VARIABLE COSTS					
INPUT USE					
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	HOUR	5.00	1.31	
EQUIPMENT	0.28	HOUR	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 EDWARDS AQUIFER 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	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 EDWARDS AQUIFER REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
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	HOURL	5.00	0.0	
EQUIPMENT	0.21	HOURL	4.00	0.84	
OTHER	0.40	HOURL	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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B-1241(C16)

BUFFLE GRASS PASTURE, DRYLAND
TEXAS EDWARDS AQUIFER 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. MACH INPUT FIXED COSTS COSTS	TOTAL OPER. COST
TOTALS				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 EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
1. GROSS RECEIPTS					
CSTL PAST GRAZNG	100.00	DAYS	0.50	50.00	
TOTAL PROJECTED RETURNS			\$	50.00	\$
2. VARIABLE COSTS					
INPUT USE					
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	HOURL	5.00	6.75	
EQUIPMENT	0.28	HOURL	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	
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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COASTAL BERMUDA PASTURE ESTABLISHMENT, DRYLAND
TEXAS EDWARDS AQUIFER 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
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STRATEGIES.

COASTAL BERMUDA PASTURE, DRYLAND
TEXAS EDWARDS AQUIFER 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					
INPUT USE					
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	10.00	10.00	
PRORATED ESTABL	71.09	ACRE	0.10	7.11	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 36.76	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 77.17	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.39/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ 22.83	\$

ESTABLISHMENT COSTS PRO-RATED OVER TEN YEAR PERIOD

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COASTAL BERMUDA PASTURE, DRYLAND
 TEXAS EDWARDS AQUIFER 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

PRICE OF CSTL PAST GRAZNG
 (DOLLARS)

		0.40	0.45	0.50	0.55	0.60
DAYS						
160.00	QUANTITY OF CSTL PAST GRAZNG	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 EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
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		68.00	
REPAIRS-----TRACTOR		ACRE		0.98	
EQUIPMENT		ACRE		1.83	
IRRIGATION		ACRE		7.20	
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	63.10	DOL.	0.125	7.89	
SUBTOTAL, PREHARVEST		ACRE		\$ 210.16	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 210.16	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.88/DAYS	CSTL PAST GRAZNG	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -90.16	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		15.77	
EQUIPMENT		ACRE		15.93	
IRRIGATION		ACRE		26.40	
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		\$ 90.60	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 300.76	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 1.25/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ -180.76	\$

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 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 EDWARDS AQUIFER 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
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 OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	FEB	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	APR	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JUNE	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		16.00	1.600	0.0	75.20	6.40	0.0	26.40	108.00

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	-133.36	-123.76	-114.16	-104.56	-94.96
192.00		-123.76	-112.96	-102.16	-91.36	-80.56
216.00		-114.16	-102.16	-90.16	-78.16	-66.16
240.00		-104.56	-91.36	-78.16	-64.96	-51.76
264.00		-94.96	-80.56	-66.16	-51.76	-37.36
288.00						

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

COASTAL BERMUDA PASTURE, IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR ESTIMATE
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		85.00	_____
REPAIRS-----TRACTOR		ACRE		1.09	_____
EQUIPMENT		ACRE		1.19	_____
IRRIGATION		ACRE		9.00	_____
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	-4.68	DOL.	0.125	-0.59	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 212.85	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 212.85	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.35/DAYS CSTL PAST GRAZNG					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 87.15	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		17.59	_____
EQUIPMENT		ACRE		12.23	_____
IRRIGATION		ACRE		33.00	_____
LAND-CASH RENT	1.00	ACRE	25.00	25.00	_____
PRORATED ESTABL	180.76	DOL.	0.10	18.08	_____
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	_____
TOTAL FIXED COSTS		ACRE		\$ 113.39	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 326.24	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.54/DAYS CSTL PAST GRAZNG					
6. NET PROJECTED RETURNS		ACRE		\$ -26.24	\$ _____

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COASTAL BERMUDA PASTURE, IRRIGATED
TEXAS EDWARDS AQUIFER 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	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 OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	FEB	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	APR	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JUNE	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JULY	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		20.00	2.000	0.0	94.00	8.00	0.0	33.00	135.00

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	0.40	0.45	0.50	0.55	0.60
480.00	-20.85	3.15	27.15	51.15	75.15
540.00	3.15	30.15	57.15	84.15	111.15
600.00	27.15	57.15	87.15	117.15	147.15
660.00	51.15	84.15	117.15	150.15	183.15
720.00	75.15	111.15	147.15	183.15	219.15

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

COASTAL BERMUDA HAY, ESTABLISHMENT, IRRIGATED
TEXAS EDWARDS AQUIFER 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		68.00	_____
REPAIRS-----TRACTOR		ACRE		0.98	_____
EQUIPMENT		ACRE		1.83	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.76	HOURL	5.00	8.79	_____
IRRIGATION	1.60	HOURL	4.00	6.40	_____
EQUIPMENT	0.28	HOURL	4.00	1.12	_____
OPERATING CAPITAL	66.42	DOL.	0.125	8.30	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 210.58	\$ _____
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		\$ 349.18	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 87.29/TON	CSTL BERMUDA HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -109.18	\$ _____
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		15.77	_____
EQUIPMENT		ACRE		15.93	_____
IRRIGATION		ACRE		26.40	_____
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		\$ 90.60	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 439.78	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS			\$109.94/TON	CSTL BERMUDA HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -199.78	\$ _____

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COASTAL BERMUDA HAY, ESTABLISHMENT, IRRIGATED
TEXAS EDWARDS AQUIFER 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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	APR	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JUNE	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		16.00	1.600	0.0	75.20	6.40	0.0	26.40	108.00

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	-167.86	-148.66	-129.46	-110.26	-91.06
	3.60	-162.52	-140.92	-119.32	-97.72	-76.12
	4.00	-157.18	-133.18	-109.18	-85.18	-61.18
	4.40	-151.84	-125.44	-99.04	-72.64	-46.24
	4.80	-146.50	-117.70	-88.90	-60.10	-31.30

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

COASTAL BERMUDA HAY, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 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	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		85.00	
REPAIRS-----TRACTOR		ACRE		0.34	
EQUIPMENT		ACRE		0.72	
IRRIGATION		ACRE		9.00	
LABOR-----MACHINERY	0.81	HOUR	5.00	4.06	
IRRIGATION	2.00	HOUR	4.00	8.00	
EQUIPMENT	0.28	HOUR	4.00	1.12	
OPERATING CAPITAL	6.04	DOL.	0.125	0.76	
SUBTOTAL, PREHARVEST		ACRE		\$ 202.46	\$
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		\$ 552.42	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 55.24/TON	CSTL BERMUDA HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 47.58	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		5.54	
EQUIPMENT		ACRE		7.56	
IRRIGATION		ACRE		33.00	
LAND-CASH RENT	1.00	ACRE	25.00	25.00	
PRORATED ESTABL	199.78	DOL.	0.10	19.98	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 98.58	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 651.00	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 65.10/TON	CSTL BERMUDA HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -51.00	\$

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COASTAL BERMUDA HAY, IRRIGATED
TEXAS EDWARDS AQUIFER 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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	APR	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JULY	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	SEPT	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		20.00	2.000	0.0	94.00	8.00	0.0	33.00	135.00

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	-98.43	-50.43	-2.43	45.57	93.57
	9.00	-85.43	-31.43	22.57	76.57	130.57
	10.00	-72.42	-12.42	47.58	107.58	167.58
	11.00	-59.42	6.58	72.58	138.58	204.58
	12.00	-46.42	25.58	97.58	169.58	241.58

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

FORAGE SORGHUM FOR GRAZE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
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		68.00	_____
REPAIRS-----TRACTOR		ACRE		2.55	_____
EQUIPMENT		ACRE		1.30	_____
IRRIGATION		ACRE		7.20	_____
LABOR-----MACHINERY	1.72	HOURL	5.00	8.58	_____
IRRIGATION	1.60	HOURL	4.00	6.40	_____
EQUIPMENT	0.63	HOURL	4.00	2.51	_____
OPERATING CAPITAL	-25.89	DOL.	0.125	-3.24	_____
SUBTOTAL, PREHARVEST		ACRE		\$ 152.73	\$ _____
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$ _____
TOTAL VARIABLE COSTS		ACRE		\$ 152.73	\$ _____
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.25/DAYS SORGHUM PASTURE					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 147.27	\$ _____
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		18.18	_____
EQUIPMENT		ACRE		11.52	_____
IRRIGATION		ACRE		26.40	_____
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		\$ 88.60	\$ _____
5. TOTAL PROJECTED COSTS		ACRE		\$ 241.33	\$ _____
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.40/DAYS SORGHUM PASTURE					
6. NET PROJECTED RETURNS		ACRE		\$ 58.67	\$ _____

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FORAGE SORGHUM FOR GRAZE, IRRIGATED
TEXAS EDWARDS AQUIFER 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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JUNE	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	JULY	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	AUG	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		16.00	1.600	0.0	75.20	6.40	0.0	26.40	108.00

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)

	0.40	0.45	0.50	0.55	0.60
DAYS					
480.00	39.27	63.27	87.27	111.27	135.27
540.00	63.27	90.27	117.27	144.27	171.27
600.00	87.27	117.27	147.27	177.27	207.27
660.00	111.27	144.27	177.27	210.27	243.27
720.00	135.27	171.27	207.27	243.27	279.27

OATS FOR GRAZING, IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
 1984 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT 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.	0.13	15.60	
*PHOSPHATE	60.00	LB.	0.22	13.20	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		3.94	
EQUIPMENT		ACRE		1.40	
IRRIGATION		ACRE		51.00	
REPAIRS-----TRACTOR		ACRE		0.96	
EQUIPMENT		ACRE		1.22	
IRRIGATION		ACRE		5.40	
LABOR-----MACHINERY	1.50	HOUR	5.00	7.52	
IRRIGATION	1.20	HOUR	4.00	4.80	
EQUIPMENT	0.63	HOUR	4.00	2.51	
OPERATING CAPITAL	-8.37	DOL.	0.125	-1.05	
SUBTOTAL, PREHARVEST		ACRE		\$ 116.11	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 116.11	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.29/DAYS	OATS GRAZING AUD	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 83.89	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		11.40	
EQUIPMENT		ACRE		12.26	
IRRIGATION		ACRE		19.80	
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		\$ 75.96	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 192.07	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.48/DAYS	OATS GRAZING AUD	
6. NET PROJECTED RETURNS		ACRE		\$ 7.93	\$

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OATS FOR GRAZING, IRRIGATED
TEXAS EDWARDS AQUIFER 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
DRY FERT SPRDER	5,60	JAN	1.00	0.203	0.154	0.65	1.02	0.0	3.08	4.75
TOTALS				1.504	1.140	5.89	7.52	38.40	21.94	73.75

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	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	DEC	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
WATER APPLICATION	FEB	4.00	0.400	0.0	18.80	1.60	0.0	6.60	27.00
TOTALS		12.00	1.200	0.0	56.40	4.80	0.0	19.80	81.00

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)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF OATS GRAZING AUD	DAYS	11.89	27.89	43.89	59.89	75.89
320.00		27.89	45.89	63.89	81.89	99.89
360.00		43.89	63.89	83.89	103.89	123.89
400.00		59.89	81.89	103.89	125.89	147.89
440.00		75.89	99.89	123.89	147.89	171.89
480.00						