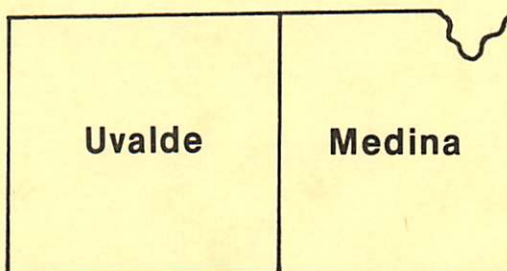
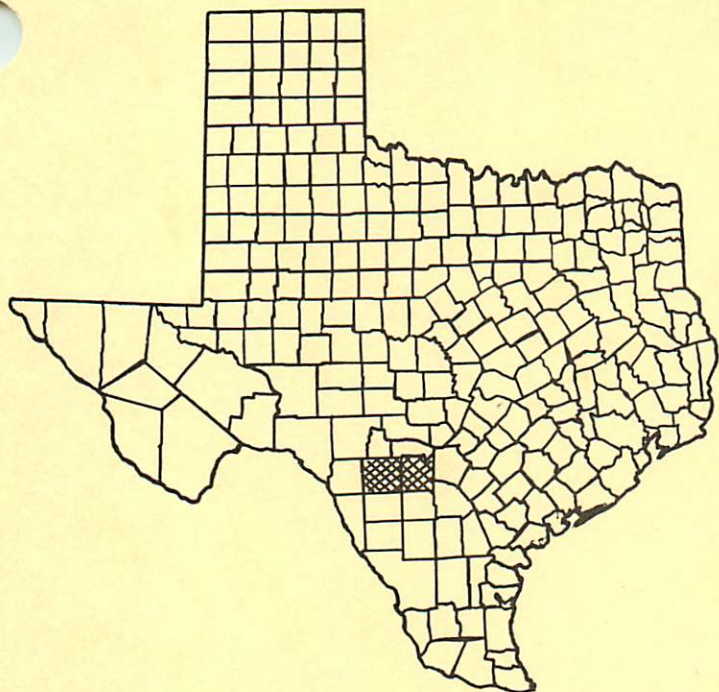


TEXAS EDWARDS AQUIFER

SOIL RESOURCE AREA 16



TEXAS AGRICULTURAL EXTENSION SERVICE . THE TEXAS A&M UNIVERSITY SYSTEM

Zerle L. Carpenter, Director . College Station, Texas

TEXAS ENTERPRISE BUDGETS

TEXAS EDWARDS AQUIFER REGION

Projected for 1983

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BUFFLE GRASS PASTURE ESTABLISHMENT, (CULTIVATED LAND), DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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					
INPUT USE					
PREHARVEST COSTS					
*BUFFLE GRASS SD	1.00	LB.	3.40	3.40	
*NITROGEN (DRY)	40.00	LB.	0.25	10.00	
*PHOSPHATE	40.00	LB.	0.30	12.00	
FUEL & LUBE---TRACTOR		ACRE		4.35	
EQUIPMENT		ACRE		0.62	
REPAIRS-----TRACTOR		ACRE		0.70	
EQUIPMENT		ACRE		1.88	
LABOR-----MACHINERY	1.23	HOURL	5.00	6.13	
EQUIPMENT	0.28	HOURL	3.80	1.06	
OPERATING CAPITAL	29.16	DOL.	0.135	3.94	
SUBTOTAL, PREHARVEST		ACRE		\$ 44.09	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 44.09	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 1.47/DAYS BUFFLE GR. PAST					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -29.09	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		12.15	
EQUIPMENT		ACRE		14.36	
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		\$ 41.01	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 85.10	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 2.84/DAYS BUFFLE GR. PAST					
6. NET PROJECTED RETURNS		ACRE		\$ -70.10	\$

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.

BUFFEL GRASS PASTURE ESTABLISHMENT, (CULTIVATED LAND), DRYLAND
TEXAS EDWARDS AQUIFER REGION
1983 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	JAN	1.00	0.571	0.432	3.57	2.85	0.0	12.18	18.60
OFFSET DISC	4,34	JAN	1.00	0.228	0.173	1.18	1.14	0.0	4.90	7.22
PLANTER 6R	4,42	FEB	1.00	0.224	0.170	1.45	1.12	3.40	5.58	11.55
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.64	1.02	22.00	3.05	26.71
TOTALS				1.226	0.929	6.84	6.13	25.40	25.71	64.07

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	-34.49	-33.29	-32.09	-30.89	-29.69
	24.00	-33.29	-31.94	-30.59	-29.24	-27.89
	27.00	-32.09	-30.59	-29.09	-27.59	-26.09
	30.00	-30.89	-29.24	-27.59	-25.94	-24.29
	33.00	-29.69	-27.89	-26.09	-24.29	-22.49
	36.00					

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
1983 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		0.54	
EQUIPMENT		ACRE		0.62	
REPAIRS-----TRACTOR		ACRE		0.09	
EQUIPMENT		ACRE		0.33	
LABOR-----MACHINERY	0.26	HOUR	5.00	1.31	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	48.86	DOL.	0.135	6.60	
SUBTOTAL, PREHARVEST		ACRE	\$	58.96	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE	\$	0.0	\$
TOTAL VARIABLE COSTS		ACRE	\$	58.96	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 3.93/DAYS BUFFLE GR. PAST					
3. INCOME ABOVE VARIABLE COSTS		ACRE	\$	-51.46	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		1.61	
EQUIPMENT		ACRE		1.82	
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	\$	17.93	\$
5. TOTAL PROJECTED COSTS		ACRE	\$	76.88	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 5.13/DAYS BUFFLE GR. PAST					
6. NET PROJECTED RETURNS		ACRE	\$	-69.38	\$

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.

BUFFEL GRASS EST. (MARGINAL LAND) DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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	0.86	1.31	0.0	2.63	4.80
TOTALS				0.263	0.199	0.86	1.31	0.0	2.63	4.80

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 BUFFLE GR. PAST (DOLLARS)				
		0.40	0.45	0.50	0.55	0.60
QUANTITY OF BUFFLE GR. PAST	DAYS					
	12.00	-54.16	-53.56	-52.96	-52.36	-51.76
	13.50	-53.56	-52.88	-52.21	-51.53	-50.86
	15.00	-52.96	-52.21	-51.46	-50.71	-49.96
	16.50	-52.36	-51.53	-50.71	-49.88	-49.06
	18.00	-51.76	-50.86	-49.96	-49.06	-48.16

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
1983 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		INPUT USE			
PREHARVEST COSTS					
FUEL & LUBE--TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		0.46	
REPAIRS-----TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		0.08	
LABOR-----MACHINERY	0.0	HOUR	5.00	0.0	
EQUIPMENT	0.21	HOUR	3.80	0.80	
OTHER	0.40	HOUR	3.80	1.52	
OPERATING CAPITAL	-12.91	DOL.	0.135	-1.74	
SUBTOTAL, PREHARVEST		ACRE		\$ 1.11	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 1.11	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.02/DAYS BUFFLE GR. PAST					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 22.89	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	
EQUIPMENT		ACRE		0.60	
LAND-CASH RENT	1.00	ACRE	10.00	10.00	
PRORATED ESTABL	73.13	DOL.	0.10	7.31	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 22.41	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 23.53	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.49/DAYS BUFFLE GR. PAST					
6. NET PROJECTED RETURNS		ACRE		\$ 0.47	\$

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

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BUFFLE GRASS PASTURE, DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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
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	14.25	16.17	18.09	20.01	21.93
	38.40	16.17	18.33	20.49	22.65	24.81
	43.20	18.09	20.49	22.89	25.29	27.69
	48.00	20.01	22.65	25.29	27.93	30.57
	52.80	21.93	24.81	27.69	30.57	33.45
	57.60					

COASTAL BERMUDA PASTURE ESTABLISHMENT, DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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					
PREHARVEST COSTS					
SPRIG & SPRIGNG	1.00	ACRE	40.00	40.00	
*NITROGEN (DRY)	50.00	LB.	0.25	12.50	
*PHOSPHATE	30.00	LB.	0.30	9.00	
*HERBICIDE	1.00	ACRE	2.40	2.40	
FUEL & LUBE--TRACTOR		ACRE		4.20	
EQUIPMENT		ACRE		0.62	
REPAIRS-----TRACTOR		ACRE		0.69	
EQUIPMENT		ACRE		1.52	
LABOR-----MACHINERY	1.35	HOURL	5.00	6.75	
EQUIPMENT	0.28	HOURL	3.80	1.06	
OPERATING CAPITAL	34.15	DOL.	0.135	4.61	
SUBTOTAL, PREHARVEST		ACRE		\$ 83.36	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 83.36	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.83/DAYS CSTL PAST GRAZNG					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -33.36	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		11.90	
EQUIPMENT		ACRE		13.30	
CASH RENT	1.00	ACRE	10.00	10.00	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 39.70	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 123.06	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 1.23/DAYS CSTL PAST GRAZNG					
6. NET PROJECTED RETURNS		ACRE		\$ -73.06	\$

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COASTAL BERMUDA PASTURE ESTABLISHMENT, DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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	3.57	2.85	0.0	12.18	18.60
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.90	7.22
DRY FERT SPRDER	5,60	MAR	1.00	0.203	0.154	0.64	1.02	21.50	3.05	26.21
HERBICIDE SPRAYR	5,63	APR	1.00	0.349	0.264	0.92	1.75	2.40	4.27	9.34
TOTALS				1.351	1.023	6.31	6.75	23.90	24.40	61.36

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	-51.36	-47.36	-43.36	-39.36	-35.36
	80.00	-47.36	-42.86	-38.36	-33.86	-29.36
	90.00	-43.36	-38.36	-33.36	-28.36	-23.36
	100.00	-39.36	-33.86	-28.36	-22.86	-17.36
	110.00	-35.36	-29.36	-23.36	-17.36	-11.36
	120.00					

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

COASTAL BERMUDA PASTURE, DRYLAND
TEXAS EDWARDS AQUIFER REGION
1983 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.	0.25	22.50	
*PHOSPHATE	30.00	LB.	0.30	9.00	
*HERBICIDE	1.00	ACRE	2.40	2.40	
FUEL & LUBE--TRACTOR		ACRE		2.16	
EQUIPMENT		ACRE		0.63	
REPAIRS-----TRACTOR		ACRE		0.37	
EQUIPMENT		ACRE		0.70	
LABOR-----MACHINERY	1.01	HOUR	5.00	5.04	
EQUIPMENT	0.29	HOUR	3.80	1.09	
OPERATING CAPITAL	-15.14	DOL.	0.135	-2.04	
SUBTOTAL, PREHARVEST		ACRE		\$ 41.85	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 41.85	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 0.21/DAYS	CSTL PAST GRAZNG	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 58.15	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		6.40	
EQUIPMENT		ACRE		8.53	
LAND-CASH RENT	1.00	ACRE	10.00	10.00	
PRORATED ESTABL	76.54	ACRE	0.10	7.65	
MISC ADMIN O/H	0.30	ACRE	15.00	4.50	
TOTAL FIXED COSTS		ACRE		\$ 37.09	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 78.93	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 0.39/DAYS	CSTL PAST GRAZNG	
6. NET PROJECTED RETURNS		ACRE		\$ 21.07	\$

ESTABLISHMENT COSTS PRO-RATED OVER TEN YEAR PERIOD

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COASTAL BERMUDA PASTURE, DRYLAND
 TEXAS EDWARDS AQUIFER REGION
 1983 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	FIXED COSTS	TOTAL OPER. COST
CHISEL PLOW	4,33	FEB	0.25	0.050	0.038	0.28	0.25	0.0	0.69	1.23
HERBICIDE SPRAYR	5,63	FEB	1.00	0.349	0.264	0.92	1.75	2.40	4.27	9.34
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.64	1.02	16.50	3.05	21.21
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.64	1.02	7.50	3.05	12.21
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.64	1.02	7.50	3.05	12.21
TOTALS				1.009	0.764	3.13	5.04	33.90	14.11	56.19

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					
	160.00	22.15	30.15	38.15	46.15	54.15
	180.00	30.15	39.15	48.15	57.15	66.15
	200.00	38.15	48.15	58.15	68.15	78.15
	220.00	46.15	57.15	68.15	79.15	90.15
	240.00	54.15	66.15	78.15	90.15	102.15

COASTAL BERMUDA PASTURE, ESTABLISHMENT, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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					
INPUT USE					
PREHARVEST COSTS					
SPRIG & SPRIGNG	1.00	ACRE	40.00	40.00	
*NITROGEN (DRY)	180.00	LB.	0.25	45.00	
*PHOSPHATE	60.00	LB.	0.30	18.00	
*HERBICIDE	1.00	ACRE	2.40	2.40	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		5.04	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		0.83	
EQUIPMENT		ACRE		1.83	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	1.76	HOUR	5.00	8.79	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	57.91	DOL.	0.135	7.82	
SUBTOTAL, PREHARVEST		ACRE		\$ 194.26	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 194.26	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.81/DAYS CSTL PAST GRAZNG					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -74.26	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		14.39	
EQUIPMENT		ACRE		16.91	
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		\$ 90.20	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 284.46	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 1.19/DAYS CSTL PAST GRAZNG					
6. NET PROJECTED RETURNS		ACRE		\$ -164.46	\$

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 EDWARDS AQUIFER REGION
1983 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	3.57	2.85	0.0	12.18	18.60
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.90	7.22
HERBICIDE SPRAYR	5,63	FEB	1.00	0.349	0.264	0.92	1.75	2.40	4.27	9.34
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.64	1.02	33.00	3.05	37.71
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
TOTALS				1.757	1.331	7.60	8.79	65.40	30.50	112.28

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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					
	192.00	-117.46	-107.86	-98.26	-88.66	-79.06
	216.00	-107.86	-97.06	-86.26	-75.46	-64.66
	240.00	-98.26	-86.26	-74.26	-62.26	-50.26
	264.00	-88.66	-75.46	-62.26	-49.06	-35.86
	288.00	-79.06	-64.66	-50.26	-35.86	-21.46

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
1983 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.	0.25	75.00	
*PHOSPHATE	60.00	LB.	0.30	18.00	
*HERBICIDE	1.00	ACRE	2.40	2.40	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		5.79	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		57.60	
REPAIRS-----TRACTOR		ACRE		0.94	
EQUIPMENT		ACRE		1.19	
IRRIGATION		ACRE		13.40	
LABOR-----MACHINERY	1.63	HOUR	5.00	8.14	
IRRIGATION	2.00	HOUR	3.80	7.60	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	-13.19	DOL.	0.135	-1.78	
SUBTOTAL, PREHARVEST		ACRE		\$ 189.95	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 189.95	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.32/DAYS CSTL PAST GRAZNG					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 110.05	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		16.17	
EQUIPMENT		ACRE		12.98	
IRRIGATION		ACRE		33.00	
LAND-CASH RENT	1.00	ACRE	25.00	25.00	
PRORATED ESTABL	177.67	DOL.	0.10	17.77	
MISC ADMIN O/H	0.50	ACRE	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 112.42	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 302.38	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.50/DAYS CSTL PAST GRAZNG					
6. NET PROJECTED RETURNS		ACRE		\$ -2.38	\$

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, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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	1.06	1.02	33.00	3.97	39.05
HERBICIDE SPRAYR	4,63	FEB	1.00	0.349	0.264	1.64	1.75	2.40	5.86	11.64
SHREDDER	5,30	FEB	1.00	0.263	0.199	0.86	1.31	0.0	2.63	4.80
DRY FERT SPRDER	4,60	MAY	1.00	0.203	0.154	1.06	1.02	15.00	3.97	21.05
DRY FERT SPRDER	4,60	JUNE	1.00	0.203	0.154	1.06	1.02	15.00	3.97	21.05
DRY FERT SPRDER	4,60	JULY	1.00	0.203	0.154	1.06	1.02	15.00	3.97	21.05
DRY FERT SPRDER	4,60	AUG	1.00	0.203	0.154	1.06	1.02	15.00	3.97	21.05
TOTALS				1.628	1.233	7.81	8.14	95.40	28.35	139.71

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JULY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		20.00	2.000	0.0	71.00	7.60	0.0	33.00	111.60

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
QUANTITY OF CSTL PAST GRAZNG	480.00	2.05	26.05	50.05	74.05	98.05
	540.00	26.05	53.05	80.05	107.05	134.05
	600.00	50.05	80.05	110.05	140.05	170.05
	660.00	74.05	107.05	140.05	173.05	206.05
	720.00	98.05	134.05	170.05	206.05	242.05

COASTAL BERMUDA HAY, ESTABLISHMENT, IRRIGATED
 TEXAS EDWARDS AQUIFER REGION
 1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
CSTL BERMUDA HAY	4.00	TON	60.00	240.00	
TOTAL PROJECTED RETURNS				\$ 240.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
SPRIG & SPRIGGING	1.00	ACRE	40.00	40.00	
*NITROGEN (DRY)	180.00	LB.	0.25	45.00	
*PHOSPHATE	60.00	LB.	0.30	18.00	
*HERBICIDE	1.00	ACRE	2.40	2.40	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		5.04	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		0.83	
EQUIPMENT		ACRE		1.83	
IRRIGATION		ACRE		10.72	
LABOR-----MACHINERY	1.76	HOUR	5.00	8.79	
IRRIGATION	1.60	HOUR	3.80	6.08	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	61.23	DOL.	0.135	8.27	
SUBTOTAL, PREHARVEST		ACRE		\$ 194.71	\$
HARVEST COSTS					
MOW,RAKE,BALE	132.00	BALE	0.70	92.40	
CUSTOM HAUL	132.00	BALE	0.35	46.20	
SUBTOTAL, HARVEST		ACRE		\$ 138.60	\$
TOTAL VARIABLE COSTS		ACRE		\$ 333.31	\$
BREAK-EVEN PRICE, VARIABLE COSTS		\$ 83.33/TON		CSTL BERMUDA HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ -93.31	\$
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		14.39	
EQUIPMENT		ACRE		16.91	
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		\$ 90.20	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 423.51	\$
BREAK-EVEN PRICE, TOTAL COSTS		\$105.88/TON		CSTL BERMUDA HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -183.51	\$

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COASTAL BERMUDA HAY, ESTABLISHMENT, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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	3.57	2.85	0.0	12.18	18.60
OFFSET DISC	4,34	FEB	1.00	0.228	0.173	1.18	1.14	0.0	4.90	7.22
DRY FERT SPRDER	5,60	FEB	1.00	0.203	0.154	0.64	1.02	33.00	3.05	37.71
HERBICIDE SPRAYR	5,63	APR	1.00	0.349	0.264	0.92	1.75	2.40	4.27	9.34
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
DRY FERT SPRDER	5,60	AUG	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
TOTALS				1.757	1.331	7.60	8.79	65.40	30.50	112.28

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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	-151.99	-132.79	-113.59	-94.39	-75.19
	3.60	-146.65	-125.05	-103.45	-81.85	-60.25
	4.00	-141.31	-117.31	-93.31	-69.31	-45.31
	4.40	-135.97	-109.57	-83.17	-56.77	-30.37
	4.80	-130.63	-101.83	-73.03	-44.23	-15.43

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	ESTIMATE
1. GROSS RECEIPTS					
CSTL BERMUDA HAY	10.00	TON	60.00	600.00	
TOTAL PROJECTED RETURNS				\$ 600.00	\$
2. VARIABLE COSTS					
PREHARVEST COSTS					
*NITROGEN (DRY)	300.00	LB.	0.25	75.00	
*PHOSPHATE	60.00	LB.	0.30	18.00	
IRRIGATION WATER	20.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		1.67	
EQUIPMENT		ACRE		0.62	
IRRIGATION		ACRE		57.60	
REPAIRS-----TRACTOR		ACRE		0.29	
EQUIPMENT		ACRE		0.72	
IRRIGATION		ACRE		13.40	
LABOR-----MACHINERY	0.81	HOUR	5.00	4.06	
IRRIGATION	2.00	HOUR	3.80	7.60	
EQUIPMENT	0.28	HOUR	3.80	1.06	
OPERATING CAPITAL	0.85	DOL.	0.135	0.11	
SUBTOTAL, PREHARVEST		ACRE		\$ 180.14	\$
HARVEST COSTS					
MOW,RAKE,BALE	333.30	BALE	0.70	233.31	
CUSTOM HAUL	333.30	BALE	0.35	116.65	
SUBTOTAL, HARVEST		ACRE		\$ 349.96	\$
TOTAL VARIABLE COSTS		ACRE		\$ 530.10	\$
BREAK-EVEN PRICE, VARIABLE COSTS			\$ 53.01/TON	CSTL BERMUDA HAY	
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 69.90	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		4.97	
EQUIPMENT		ACRE		8.03	
IRRIGATION		ACRE		33.00	
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	15.00	7.50	
TOTAL FIXED COSTS		ACRE		\$ 91.74	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 621.84	\$
BREAK-EVEN PRICE, TOTAL COSTS			\$ 62.18/TON	CSTL BERMUDA HAY	
6. NET PROJECTED RETURNS		ACRE		\$ -21.84	\$

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COASTAL BERMUDA HAY, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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	0.64	1.02	33.00	3.05	37.71
DRY FERT SPRDER	5,60	MAY	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
DRY FERT SPRDER	5,60	JUNE	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
DRY FERT SPRDER	5,60	JULY	1.00	0.203	0.154	0.64	1.02	15.00	3.05	19.71
TOTALS				0.813	0.616	2.58	4.06	78.00	12.20	96.84

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	APR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JULY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	SEPT	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		20.00	2.000	0.0	71.00	7.60	0.0	33.00	111.60

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	-76.11	-28.11	19.89	67.89	115.89
	9.00	-63.10	-9.10	44.90	98.90	152.90
	10.00	-50.10	9.90	69.90	129.90	189.90
	11.00	-37.10	28.90	94.90	160.90	226.90
	12.00	-24.09	47.91	119.91	191.91	263.91

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
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED \$/UNIT VALUE		YOUR 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.	0.14	25.20	
*PHOSPHATE	60.00	LB.	0.30	18.00	
IRRIGATION WATER	16.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		8.80	
EQUIPMENT		ACRE		1.39	
IRRIGATION		ACRE		46.08	
REPAIRS-----TRACTOR		ACRE		2.22	
EQUIPMENT		ACRE		1.30	
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	-29.14	DOL.	0.135	-3.93	
SUBTOTAL, PREHARVEST		ACRE		\$ 139.62	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 139.62	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.23/DAYS SORGHUM PASTURE					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 160.38	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		16.97	
EQUIPMENT		ACRE		12.22	
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		\$ 88.08	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 227.70	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.38/DAYS SORGHUM PASTURE					
6. NET PROJECTED RETURNS		ACRE		\$ 72.30	\$

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PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 03/23/83.

B-1241(C16)

FORAGE SORGHUM FOR GRAZE, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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	1.92	1.31	0.0	3.62	6.85
CHISEL PLOW	3,33	NOV	1.00	0.202	0.153	1.51	1.01	0.0	2.62	5.14
OFFSET DISC	3,34	NOV	1.20	0.273	0.207	1.95	1.37	0.0	5.67	8.98
LAND PLANE	3,50	NOV	0.20	0.050	0.038	0.35	0.25	0.0	1.04	1.63
ANHYDROUS SPRDER	3,61	FEB	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
GRAIN DRILL	3,46	FEB	1.00	0.270	0.205	1.99	1.35	12.80	6.13	22.27
DRY FERT SPRDER	3,60	FEB	1.00	0.203	0.154	1.46	1.02	18.00	3.82	24.29
ANHYDROUS SPRDER	3,61	MAY	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
ANHYDROUS SPRDER	3,61	JULY	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
TOTALS				1.715	1.299	12.10	8.58	56.00	27.38	104.05

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	MAR	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JUNE	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	JULY	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	AUG	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		16.00	1.600	0.0	56.80	6.08	0.0	26.40	89.28

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	0.40	0.45	0.50	0.55	0.60
QUANTITY OF SORGHUM PASTURE	480.00	52.38	76.38	100.38	124.38	148.38
	540.00	76.38	103.38	130.38	157.38	184.38
	600.00	100.38	130.38	160.38	190.38	220.38
	660.00	124.38	157.38	190.38	223.38	256.38
	720.00	148.38	184.38	220.38	256.38	292.38

OATS FOR GRAZING, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED		YOUR
			\$/UNIT	VALUE	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.	0.30	18.00	
IRRIGATION WATER	12.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		4.02	
EQUIPMENT		ACRE		1.39	
IRRIGATION		ACRE		34.56	
REPAIRS-----TRACTOR		ACRE		0.82	
EQUIPMENT		ACRE		1.22	
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	-9.71	DOL.	0.135	-1.31	
SUBTOTAL, PREHARVEST		ACRE		\$ 107.61	\$
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		\$ 0.0	\$
TOTAL VARIABLE COSTS		ACRE		\$ 107.61	\$
BREAK-EVEN PRICE, VARIABLE COSTS \$ 0.27/DAYS OATS GRAZING AUD					
3. INCOME ABOVE VARIABLE COSTS		ACRE		\$ 92.39	\$
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		10.35	
EQUIPMENT		ACRE		13.00	
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		\$ 75.65	\$
5. TOTAL PROJECTED COSTS		ACRE		\$ 183.26	\$
BREAK-EVEN PRICE, TOTAL COSTS \$ 0.46/DAYS OATS GRAZING AUD					
6. NET PROJECTED RETURNS		ACRE		\$ 16.74	\$

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.

OATS FOR GRAZING, IRRIGATED
TEXAS EDWARDS AQUIFER REGION
1983 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	0.70	1.01	0.0	1.86	3.57
OFFSET DISC	5,34	AUG	1.20	0.273	0.207	0.85	1.37	0.0	4.64	6.85
LAND PLANE	5,50	AUG	0.20	0.050	0.038	0.14	0.25	0.0	0.85	1.24
ANHYDROUS SPRDER	3,61	SEPT	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
DRY FERT SPRDER	5,60	SEPT	1.00	0.203	0.154	0.64	1.02	18.00	3.05	22.71
GRAIN DRILL	5,46	OCT	1.00	0.270	0.205	0.91	1.35	9.60	5.11	16.97
ANHYDROUS SPRDER	3,61	JAN	1.00	0.151	0.115	0.97	0.76	8.40	1.50	11.62
DRY FERT SPRDER	5,60	JAN	1.00	0.203	0.154	0.64	1.02	0.0	3.05	4.71
TOTALS				1.504	1.140	5.83	7.52	44.40	21.55	79.30

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	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	DEC	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
WATER APPLICATION	FEB	4.00	0.400	0.0	14.20	1.52	0.0	6.60	22.32
TOTALS		12.00	1.200	0.0	42.60	4.56	0.0	19.80	66.96

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					
	320.00	20.39	36.39	52.39	68.39	84.39
	360.00	36.39	54.39	72.39	90.39	108.39
	400.00	52.39	72.39	92.39	112.39	132.39
	440.00	68.39	90.39	112.39	134.39	156.39
	480.00	84.39	108.39	132.39	156.39	180.39