BUFFLE GRASS ESTABLISHMENT, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
PASTURE	1.00	ACRE	0.0	0.0	________
TOTAL PROJECTED RETURNS				$ 0.0	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
*BUFFEL GRASS	4.00	LB.	3.00	12.00	________
BRUSH CLEARING	1.00	ACRE	100.00	100.00	________
CUSTOM PLANT	1.00	ACRE	5.00	5.00	________
FUEL & LUBE--TRACTOR		ACRE		1.65	________
EQUIPMENT		ACRE		1.06	________
REPAIRS------TRACTOR		ACRE		0.21	________
EQUIPMENT		ACRE		0.72	________
LABOR--------MACHINERY	0.39	HOUR	3.45	1.34	________
EQUIPMENT	0.42	HOUR	3.45	1.45	________
OPERATING CAPITAL	10.50	DOL.	0.190	1.99	________
SUBTOTAL, PREHARVEST		ACRE		$ 125.42	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 125.42	$________

BREAK-EVEN PRICE, VARIABLE COSTS $125.42/ACRE PASTURE

3. INCOME ABOVE VARIABLE COSTS		ACRE		$ -125.42	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		4.44	________
EQUIPMENT		ACRE		2.96	________
LAND-CASH RENT	1.00	ACRE	5.00	5.00	________
TOTAL FIXED COSTS		ACRE		$ 12.40	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 137.82	$________

BREAK-EVEN PRICE, TOTAL COSTS $137.82/ACRE PASTURE

6. NET PROJECTED RETURNS		ACRE		$ -137.82	$________

 PROJECTIONS FOR PLANNING PURPOSES ONLY
NOT TO BE USED WITHOUT UPDATING AFTER 02/15/82.

BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	________
TOTAL PROJECTED RETURNS				$ 0.0	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
FUEL & LUBE--TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		0.88	________
REPAIRS-------TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		0.10	________
LABOR---------MACHINERY	0.0	HOUR	3.45	0.0	________
EQUIPMENT	0.35	HOUR	3.45	1.21	________
OTHER	0.50	HOUR	3.45	1.72	________
OPERATING CAPITAL	0.39	DOL.	0.190	0.07	________
SUBTOTAL, PREHARVEST		ACRE		$ 3.99	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 3.99	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 1.60/AUM	PASTURE		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ -3.99	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		0.95	________
LAND-CASH RENT	1.00	ACRE	10.00	10.00	________
PRORATED ESTABL	137.82	DOL.	0.10	13.78	________
TOTAL FIXED COSTS		ACRE		$ 24.73	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 28.72	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 11.49/AUM	PASTURE		
6. NET PROJECTED RETURNS		ACRE		$ -28.72	$________

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, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
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 PASTURE (DOLLARS)

QUANTITY OF PASTURE	AUM	1.28	1.44	1.60	1.76	1.92
	2.00	-1.44	-1.12	-0.80	-0.48	-0.16
	2.25	-1.12	-0.76	-0.40	-0.04	0.32
	2.50	-0.80	-0.40	0.0	0.40	0.80
	2.75	-0.48	-0.04	0.40	0.84	1.28
	3.00	-0.16	0.32	0.80	1.28	1.76

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

BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
HAY	12.00	TON	100.00	1200.00	________
TOTAL PROJECTED RETURNS				$ 1200.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
NITROGEN (DRY)	200.00	LB.	0.35	70.00	________
*IRRIG. WATER	4.00	APPL	6.00	24.00	________
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		2.47	________
REPAIRS------TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		0.29	________
LABOR--------MACHINERY	0.0	HOUR	3.45	0.0	________
IRRIGATION	6.00	HOUR	3.45	20.70	________
EQUIPMENT	0.98	HOUR	3.45	3.38	________
OPERATING CAPITAL	-22.84	DOL.	0.190	-4.34	________
SUBTOTAL, PREHARVEST		ACRE		$ 116.50	$________
HARVEST COSTS					
MOW, RAKE, BALE	400.00	BALE	0.45	180.00	________
CUSTOM BALE HAUL	400.00	BALE	0.25	100.00	________
SUBTOTAL, HARVEST		ACRE		$ 280.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 396.50	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 33.04/TON	HAY		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 803.50	$________
4. FIXED COSTS					
DEPREC., INTEREST, TAXES & INSUR.					
TRACTOR		ACRE		0.0	________
EQUIPMENT		ACRE		2.65	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
PRORATED ESTABL	63.60	DOL.	0.10	6.36	________
TOTAL FIXED COSTS		ACRE		$ 49.01	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 445.51	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 37.13/TON	HAY		
6. NET PROJECTED RETURNS		ACRE		$ 754.49	$________

BERMUDA GRASS HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
TOTALS				0.0	0.0	0.0	0.0	0.0	0.0	0.0

IRRIGATION APPLICATION	APPL. MONTH	ACRE INCHES	LABOR HOURS	SYSTEM HOURS	IRRIG OPER. COSTS	LABOR COSTS	APPL. INPUT COSTS	IRRIG FIXED COSTS	TOTAL IRRIG COSTS
WATER APPLICATION	APR	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JUNE	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	AUG	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		24.00	6.000	0.0	0.0	20.70	24.00	0.0	44.70

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 HAY (DOLLARS)

QUANTITY OF HAY	TON	80.00	90.00	100.00	110.00	120.00
	9.60	427.50	523.50	619.50	715.50	811.50
	10.80	495.50	603.50	711.50	819.50	927.50
	12.00	563.50	683.50	803.50	923.50	1043.50
	13.20	631.50	763.50	895.50	1027.50	1159.50
	14.40	699.50	843.50	987.50	1131.50	1275.50

BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
HAY	3.00	TON	100.00	300.00	________
TOTAL PROJECTED RETURNS				$ 300.00	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
CUSTOM SPRIGGING	1.00	ACRE	75.00	75.00	________
*NITROGEN (DRY)	150.00	LB.	0.35	52.50	________
*HERBICIDES	2.00	ACRE	2.50	5.00	________
*IRRIG. WATER	3.00	APPL	6.00	18.00	________
IRRIGATION WATER	18.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		13.34	________
EQUIPMENT		ACRE		2.47	________
REPAIRS------TRACTOR		ACRE		2.51	________
EQUIPMENT		ACRE		2.54	________
LABOR---------MACHINERY	2.15	HOUR	3.45	7.40	________
IRRIGATION	4.50	HOUR	3.45	15.52	________
EQUIPMENT	0.98	HOUR	3.45	3.38	________
OPERATING CAPITAL	88.85	DOL.	0.190	16.88	________
SUBTOTAL, PREHARVEST		ACRE		$ 214.54	$________
HARVEST COSTS					
MOW,RAKE,BALE	100.00	BALE	0.45	45.00	________
CUSTOM BALE HAUL	100.00	BALE	0.25	25.00	________
SUBTOTAL, HARVEST		ACRE		$ 70.00	$________
TOTAL VARIABLE COSTS		ACRE		$ 284.54	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 94.85/TON	HAY		
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ 15.46	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		22.44	________
EQUIPMENT		ACRE		16.62	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
TOTAL FIXED COSTS		ACRE		$ 79.06	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 363.60	$________
BREAK-EVEN PRICE, TOTAL COSTS		$121.20/TON	HAY		
6. NET PROJECTED RETURNS		ACRE		$ -63.60	$________

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BERMUDA TYPE GRASSES, ESTAB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
OFFSET DISC	2,38	JAN	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
FLOAT PLANE	2,45	JAN	1.00	0.216	0.164	1.93	0.75	0.0	3.48	6.16
DITCHER BLADE	4,48	MAR	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.14
HERB SPRAYR 6R	4,47	MAR	1.00	0.209	0.159	1.11	0.72	2.50	2.89	7.23
DITCHER BLADE	4,48	MAY	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.14
FERT.APPL,RNTD	4,59	MAY	1.00	0.203	0.154	0.97	0.70	52.50	2.33	56.50
MOLDBOARD PLOW	2,31	AUG	1.00	0.451	0.342	4.76	1.56	0.0	8.05	14.37
OFFSET DISC	2,38	AUG	2.00	0.421	0.319	4.07	1.45	0.0	8.24	13.76
OFFSET DISC	2,38	OCT	1.00	0.210	0.159	2.03	0.73	0.0	4.12	6.88
DITCHER BLADE	4,48	OCT	0.01	0.005	0.004	0.02	0.02	0.0	0.09	0.14
HERB SPRAYR 6R	4,47	OCT	1.00	0.209	0.159	1.11	0.72	2.50	2.89	7.23
TOTALS				2.146	1.626	18.10	7.40	57.50	36.40	119.40

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	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	OCT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		18.00	4.500	0.0	0.0	15.52	18.00	0.0	33.52

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

INCOME ABOVE VARIABLE COSTS LESS SHARE-RENT

PRICE OF HAY (DOLLARS)

QUANTITY OF HAY (TON)	80.00	90.00	100.00	110.00	120.00
2.40	-78.54	-54.54	-30.54	-6.54	17.46
2.70	-61.54	-34.54	-7.54	19.46	46.46
3.00	-44.54	-14.54	15.46	45.46	75.46
3.30	-27.54	5.46	38.46	71.46	104.46
3.60	-10.54	25.46	61.46	97.46	133.46

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

BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

CATEGORY	PROJECTED YIELD	UNIT	PROJECTED $/UNIT	PROJECTED VALUE	YOUR ESTIMATE
1. GROSS RECEIPTS					
PASTURE	2.50	AUM	0.0	0.0	________
TOTAL PROJECTED RETURNS				$ 0.0	$________
2. VARIABLE COSTS	INPUT USE				
PREHARVEST COSTS					
NITROGEN (DRY)	150.00	LB.	0.35	52.50	________
*IRRIG. WATER	4.00	APPL	6.00	24.00	________
IRRIGATION WATER	24.00	ACIN			
FUEL & LUBE--TRACTOR		ACRE		4.53	________
EQUIPMENT		ACRE		2.47	________
REPAIRS------TRACTOR		ACRE		0.58	________
EQUIPMENT		ACRE		0.66	________
LABOR--------MACHINERY	1.07	HOUR	3.45	3.69	________
IRRIGATION	6.00	HOUR	3.45	20.70	________
EQUIPMENT	0.98	HOUR	3.45	3.38	________
OPERATING CAPITAL	53.41	DOL.	0.190	10.15	________
SUBTOTAL, PREHARVEST		ACRE		$ 122.65	$________
HARVEST COSTS					
SUBTOTAL, HARVEST		ACRE		$ 0.0	$________
TOTAL VARIABLE COSTS		ACRE		$ 122.65	$________
BREAK-EVEN PRICE, VARIABLE COSTS		$ 49.06/AUM		PASTURE	
3. INCOME ABOVE VARIABLE COSTS		ACRE		$ -122.65	$________
4. FIXED COSTS					
DEPREC.,INTEREST,TAXES & INSUR.					
TRACTOR		ACRE		12.22	________
EQUIPMENT		ACRE		5.77	________
LAND-CASH RENT	1.00	ACRE	40.00	40.00	________
PRORATED ESTABL	63.60	DOL.	0.10	6.36	________
TOTAL FIXED COSTS		ACRE		$ 64.36	$________
5. TOTAL PROJECTED COSTS		ACRE		$ 187.01	$________
BREAK-EVEN PRICE, TOTAL COSTS		$ 74.80/AUM		PASTURE	
6. NET PROJECTED RETURNS		ACRE		$ -187.01	$________

BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
1982 PROJECTED COSTS AND RETURNS PER ACRE

MACHINERY OPERATION	ITEM NO.	OPER MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	MACH OPER COSTS	LABOR COSTS	APPL. INPUT COSTS	MACH FIXED COSTS	TOTAL OPER. COST
FLEX HARROW	4,57	MAY	1.00	0.252	0.191	1.23	0.87	0.0	3.10	5.20
FLEX HARROW	4,57	JULY	1.00	0.252	0.191	1.23	0.87	0.0	3.10	5.20
SHREDDER 4R	4,46	JULY	1.00	0.283	0.214	1.51	0.98	0.0	4.58	7.06
SHREDDER 4R	4,46	SEPT	1.00	0.283	0.214	1.51	0.98	0.0	4.58	7.06
TOTALS				1.070	0.811	5.47	3.69	0.0	15.34	24.51

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	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	MAY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	JULY	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
WATER APPLICATION	SEPT	6.00	1.500	0.0	0.0	5.17	6.00	0.0	11.17
TOTALS		24.00	6.000	0.0	0.0	20.70	24.00	0.0	44.70

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 PASTURE (DOLLARS)

	AUM	39.25	44.15	49.06	53.97	58.87
QUANTITY OF PASTURE	2.00	-44.15	-34.34	-24.53	-14.72	-4.91
	2.25	-34.34	-23.30	-12.27	-1.23	9.81
	2.50	-24.53	-12.26	0.0	12.27	24.53
	2.75	-14.72	-1.23	12.27	25.76	39.25
	3.00	-4.91	9.81	24.53	39.25	53.97

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