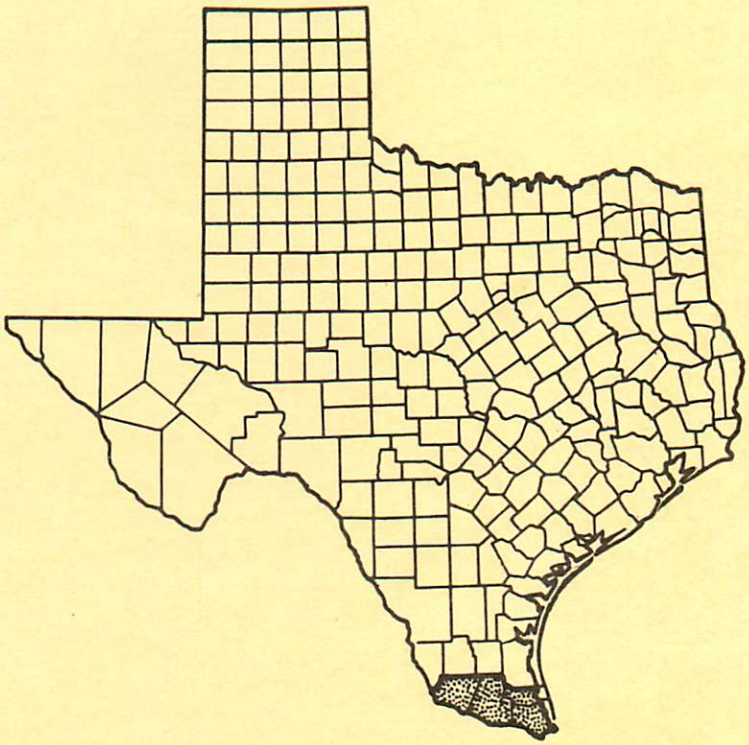

TEXAS RIO GRANDE VALLEY

FOREWORD

The enterprise budgets for Texas Rio Grande Valley Region are based on estimates of yields, production input quantities, and production practices which represent the best judgment of local producers, county Extension agents-agriculture, financial institution representatives, farm machinery dealers and others knowledgeable of the area. Variation in yields, production inputs and production practices should be expected for particular farms.

Budgets for all major crops produced in the area are included for two levels of management, when applicable. Crop yields are directly related to levels of management. These differences are due largely to timing of operational practices which may not be evident in the budgets.

The machinery inventory is applicable to both typical and high level management. In some budgets custom rates, primarily harvesting, were used in lieu of the assumption that harvesting equipment was owned.

Budgets for establishing permanent type pasture grasses were prepared and used for prorating establishment costs in the respective pasture and hay budgets. Forage crops include expenses only because it is expected that the income will be derived from livestock enterprises.

Land charges were based on one of the following three methods: 1) customary landlord's crop share less his proportionate share of certain production and harvesting inputs; 2) a cash lease; or 3) a fair market value times an interest rate.

TEXAS RIO GRANDE VALLEY REGION

Assumed Prices Paid and Received by Farmers 1/

Item	Unit	Price
Prices Paid (1977)		
Seed		
Cotton	lb.	$ .40
Grain sorghum	lb.	.42
Corn	lb.	.60
Forage sorghum (silage)	lb.	.40
Hay grazer	lb.	.20
Wheat-Milam	lb.	.18
Oats	bu.	4.00
Coastal bermuda (sprigs & sprigging)	acre	35.00
Buffel grass	lb. pls.	2.15
Carrots	lb.	6.25
Cabbage	lb.	38.00
Cantaloups	lb.	5.25
Honeydews	lb.	5.50
Watermelons	lb.	5.00
Cucumbers	lb.	6.00
Onions Granex	lb.	30.00
Onions Grano	lb.	12.50
Bell peppers	lb.	17.00
Tomatoes	lb.	17.00
Lettuce	lb.	17.00
Citrus Trees		
Orange	tree	4.00
Grapefruit	tree	4.00
Fertilizer		
Ammonium nitrate	ton	132.00
Ammonium sulfate	ton	100.00
Anhydrous Ammonia	ton	190.00
Liquid N-32	ton	130.00
18-46-0	ton	185.00
0-44-0	ton	175.00
Nitrate	lb.	.30
Phosphorous	lb.	.21
Insecticides		
Methyl parathion	gal.	8.40
Ethyl parathion	gal.	8.40
Toxephene	gal.	4.85
Cygon	gal.	19.00
Guthion	gal.	10.75
Sevin	gal.	1.85
Metasystox	gal.	21.60
Supercide	gal.	20.85
Lannate	gal.	18.15

Item	Unit	Price
Prices paid (1977)		
Insecticides, continued		
Disyston	gal.	18.55
Monitor	gal.	39.50
Galecron	gal.	35.00
Bolstar	gal.	38.00
Dipell	lb.	8.80
Difonate	gal.	20.95
Granular	lb.	.54
Dasanit	gal.	29.00
Granular	lb.	.75
Bidrin	gal.	38.00
Azodrin	gal.	22.25
Kelthane	gal.	20.00
Ethion	gal.	14.80
Acaraben	gal.	21.25
Tox-Methyl (6-3)	gal.	10.20
Orthene	gal.	7.80
Herbicides		
Treflan	gal.	28.50
Prefar	gal.	14.50
Lorox	lb.	3.65
Dacthal	lb.	1.85
Tok E-25	gal.	9.50
Balan	gal.	10.85
Igram	lb.	3.40
Simazine 80W	lb.	3.45
Aatrex	lb.	3.00
MSMA	gal.	8.55
Banvel	gal.	33.50
Krovar	lb.	5.00
Surflan	lb.	7.00
Fungicides		
Maneb	lb.	1.35
Bravo	gal.	28.00
Difolatan	gal.	9.75
Zineb	lb.	1.20
Benlate	lb.	8.30
Kocide 101	lb.	1.75
Defoliants		
Def	gal.	13.20
Accellerate	gal.	7.00
Arsenic Acid	gal.	5.35
Paraquat	gal.	39.95

Item	Unit	Price
Labor rates		
Tractor operator	hr.	$ 2.75
Irrigation	hr.	2.50
Hand labor	hr.	2.50
Fuels and lubricants		
Diesel	gal.	.36
Gasoline	gal.	.49
Motor oil	gal.	1.95
Custom rates		
Combine grain sorghum	cwt.	.30
Combine corn	acre	15.00
Haul grain sorghum	cwt.	.15
Haul corn	cwt.	.15
Cotton picking (includes hauling)	lb. lint cotton	.08
Cut, rake, bale hay (standard bales)	bale	.45
Cut, rake, bale hay (large round bales)	bale	10.00
Haul hay (standard bales)	bale	.25
Material application		
Insecticides	acre	1.50
Fungicides	acre	2.00
Defoliants	acre	2.00
Prices Received (1977)		
Cotton	lb.	.67
Cotton seed	ton	90.00
Grain sorghum	cwt.	4.40
Corn	bu.	2.55
Sorghum silage	ton	12.00
Corn silage	ton	16.00
Hay	ton	45.00
Carrots	bag	3.59
Cabbage	carton	2.51
Cantaloups	carton	5.27
Honeydews	carton	4.31
Cucumbers	carton	6.45
Onions	bag	5.60
Bell peppers	carton	6.75
Tomatoes	carton	7.55
Lettuce	carton	2.93
Oranges	ton	38.91
Grapefruit-typical	ton	49.35
Grapefruit-high level	ton	54.30

1/ These price assumptions are not to be interpreted as predictions or prospective prices.

TEXAS RIO GRANDE VALLEY REGION

Estimated Machinery and Equipment Cost Per Hour of Use

Machinery Item and Size	Item No.	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Tractor - 115 HP	1	$13,653	5	6000	$ 2.20	$ 5.20
Tractor - 90 HP	2	10,600	5	5000	2.05	4.40
Tractor - 75 HP	3	8,825	8	6400	1.76	3.29
Tractor - 60 HP	4	7,123	10	5000	2.08	2.94
Tractor - 40 HP	5	5,789	12	6000	1.57	2.29
Pickup - 1/2 ton	10	5,048	4	2500	1.91	3.91
Cotton picker 2R - 6 feet	17	23,500	6	1500	18.49	13.51
Moldboard plow - 5.3 feet	30	1,707	8	800	2.88	1.85
Moldboard plow - 6.7 feet	31	3,126	8	1200	3.51	2.26
Chisel plow - 9 feet	32	1,100	10	1500	1.11	.37
Chisel plow - 11 feet	33	1,389	10	1500	1.41	.47
Rolling cult. 6R - 20 feet	34	2,195	10	2000	1.66	.95
Bedder 6R - 20 feet	36	1,389	10	1500	1.41	.60
Planter 6R - 20 feet	38	1,042	10	1000	1.58	.35
Offset Disc - 10 feet	40	2,287	10	1500	2.31	.78
Offset Disc - 13 feet	41	3,241	10	1500	3.28	1.10
Tandem Disc - 14 feet	42	1,709	10	1500	1.73	.58
Tandem Disc - 20 feet	43	2,547	10	2000	1.93	.65
Shredder - 5 feet	44	868	6	900	1.14	.55

RIO GRANDE VALLEY CONTINUED

Machinery Item and Size	Item No.	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Rotovator 4R - 13 feet	45	$ 3,305	10	1500	$ 3.34	$ 1.91
Disc Tiller - 14 feet	46	2,084	10	1500	2.11	.71
Cultivator 6R - 20 feet	47	1,737	10	1500	1.76	.75
Float Plane - 14 feet	48	3,068	15	1995	2.90	.71
Shredder 4R - 13 feet	49	2,142	8	1200	2.42	1.01
Vegetable Planter - 13 feet	52	1,158	10	500	3.52	1.51
Herbicide Sprayer 6R - 20 ft	54	811	6	600	1.57	.69
Ditcher Blade - 6 feet	56	486	15	750	1.23	.56
Cottontrailers - 3 bale	61	2,315	10	2500	1.39	.69
Orchard Sprayer - 25 feet	62	5,094	10	3000	2.58	.86
Tandem Disc - 8 feet	64	1,042	15	1500	1.31	.35
Border Disc - 6 feet	66	435	15	1500	.55	.15
Tree Hoe - 5 feet	68	1,036	10	2000	.79	.26
Herbicide Sprayer - 12 feet	69	1,042	15	1500	1.31	.35
Broadcast Seeder - 30 feet	70	522	10	2000	.40	.13
Flex Harrow - 12 feet	73	463	10	1500	.47	.15
Stanhay Planter - 13 feet	75	13,313	8	1600	11.23	4.51

BUFFEL GRASS ESTAB., DRYLAND, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OF COST
1. GROSS RECEIPTS FROM PRODUCTION				$_____
TOTAL				$ 0.0
2. VARIABLE COSTS				
PREHARVEST				$
SEED	LBS.	2.15	4.00	8.60
MACHINERY	ACRE	2.42	1.00	2.42
TRACTORS	ACRE	4.65	1.00	4.65
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	1.57	4.33
INTEREST ON OP. CAP.	DOL.	0.09	11.38	1.08
SUBTOTAL, PRE-HARVEST				$ 21.08
HARVEST COSTS				$_____
SUBTOTAL, HARVEST				$ 0.0
TOTAL VARIABLE COST				$ 21.08
3. INCOME ABOVE VARIABLE COSTS				$ -21.08
4. FIXED COSTS				$
MACHINERY	ACRE	2.55	1.00	2.55
TRACTORS	ACRE	1.99	1.00	1.99
LAND (NET RENT)	ACRE	15.00	1.00	15.00
TOTAL FIXED COSTS				$ 19.54
5. TOTAL COSTS				$ 40.62
6. NET RETURNS				$ -40.62

PURE LIVE SEED, BROADCAST RATE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUFFEL GRASS ESTAB., DRYLAND, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
PICKUP TRUCK	10	FEB	0.05	0.062	0.050	0.20	0.10
MOLDBOARD PLOW	1,30	MAR	1.00	0.712	0.475	3.84	2.62
OFFSET DISC	1,40	MAR	1.00	0.311	0.207	1.45	1.03
BROADCAST SEEDER	2,70	MAR	1.00	0.115	0.076	0.41	0.22
PICKUP TRUCK	10	MAR	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	APR	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	MAY	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	AUG	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	OCT	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	DEC	0.05	0.062	0.050	0.20	0.10
TOTALS				1.575	1.108	7.07	4.54

PURE LIVE SEED, BROADCAST RATE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUDGET IDENTIFICATION NUMBER--- 853019002190C 0
ANNUAL CAPITAL MONTH 12

BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$
PASTURE	AUMS	0.0	2.50	0.0
TOTAL				$ 0.0
2. VARIABLE COSTS				
PREHARVEST				$
MACHINERY	ACRE	1.37	1.00	1.37
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	0.44	1.20
OTHER LABOR	HOUR	2.50	0.50	1.25
INTEREST ON OP. CAP.	DOL.	0.09	0.57	0.05
SUBTOTAL, PRE-HARVEST				$ 3.88
HARVEST COSTS				$
SUBTOTAL, HARVEST				$ 0.0
TOTAL VARIABLE COST				$ 3.88
3. INCOME ABOVE VARIABLE COSTS				$ -3.88
4. FIXED COSTS				$
MACHINERY	ACRE	0.67	1.00	0.67
TRACTORS	ACRE	0.0	1.00	0.0
PRORATED ESTAB. COST	ACRE	41.33	0.10	4.13
LAND (NET RENT)	ACRE	15.00	1.00	15.00
TOTAL FIXED COSTS				$ 19.80
5. TOTAL COSTS				$ 23.68
6. NET RETURNS				$ -23.68

ESTABLISHMENT COSTS PRORATED OVER TEN YEARS.
INCOME REFLECTED IN LIVESTOCK BUDGETS.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUFFEL GRASS, DRYLAND, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
PICKUP TRUCK	10	APR	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	MAY	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	JUNE	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	JULY	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	AUG	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	SEPT	0.05	0.062	0.050	0.20	0.10
PICKUP TRUCK	10	OCT	0.05	0.062	0.050	0.20	0.10
TOTALS				0.437	0.350	1.37	0.67

ESTABLISHMENT COSTS PRORATED OVER TEN YEARS.
INCOME REFLECTED IN LIVESTOCK BUDGETS.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 19

BUDGET IDENTIFICATION NUMBER--- 8520190021900 0
ANNUAL CAPITAL MONTH 12

COASTAL BERMUDA GRASS, ESTB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$
HAY	TON	45.00	2.00	90.00
TOTAL				$ 90.00
2. VARIABLE COSTS				
PREHARVEST				$
CUSTOM SPRIGGING	ACRE	35.00	1.00	35.00
FERT(100-60-0)	ACRE	32.00	1.00	32.00
IRRIGATION WATER	APPL	3.50	4.00	14.00
MACHINERY	ACRE	5.43	1.00	5.43
TRACTORS	ACRE	8.53	1.00	8.53
IRRIGATION MACHINERY	ACRE	2.00	1.00	2.00
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	3.63	9.98
LABOR(IRRIGATION)	HOUR	2.50	8.00	20.00
INTEREST ON OP. CAP.	DOL.	0.09	55.51	5.27
SUBTOTAL, PRE-HARVEST				$ 132.21
HARVEST COSTS				$
MOW,RAKE,BALE	BALE	0.45	66.00	29.70
CUSTOM HAUL	BALE	0.25	66.00	16.50
SUBTOTAL, HARVEST				$ 46.20
TOTAL VARIABLE COST				$ 178.41
3. INCOME ABOVE VARIABLE COSTS				$ -88.41
4. FIXED COSTS				$
MACHINERY	ACRE	5.28	1.00	5.28
TRACTORS	ACRE	4.06	1.00	4.06
IRRIGATION MACHINERY	ACRE	4.00	1.00	4.00
LAND (NET RENT)	ACRE	40.00	1.00	40.00
TOTAL FIXED COSTS				$ 53.33
5. TOTAL COSTS				$ 231.75
6. NET RETURNS				$-141.75

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

COASTAL BERMUDA GRASS, ESTB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGI
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
FERT.APPLI,RENTD	2,86	DEC	1.00	0.097	0.064	0.34	0.16
PICKUP TRUCK	10	DEC	0.10	0.125	0.100	0.39	0.19
TANDEM DISC	2,42	JAN	1.00	0.222	0.148	0.87	0.62
FLOAT PLANE	1,48	JAN	1.00	0.440	0.293	2.04	1.62
DITCHER BLADE	4,56	JAN	1.00	0.503	0.335	1.37	1.25
PICKUP TRUCK	10	MAR	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	APR	0.10	0.125	0.100	0.39	0.19
FERT.APPLI,RENTD	2,86	MAY	1.00	0.097	0.064	0.34	0.16
PICKUP TRUCK	10	MAY	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JUNE	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JULY	0.10	0.125	0.100	0.39	0.19
MOLDBOARD PLOW	1,30	AUG	1.00	0.712	0.475	3.84	2.62
OFFSET DISC	2,40	AUG	1.00	0.311	0.207	1.25	0.99
PICKUP TRUCK	10	AUG	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	SEPT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	OCT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	NOV	0.10	0.125	0.100	0.39	0.19
TOTALS				3.631	2.587	13.96	9.33

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUDGET IDENTIFICATION NUMBER--- 834019702191C C
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDA GRASS ESTB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$
HAY	TON	45.00	3.00	135.00
TOTAL				$ 135.00
2. VARIABLE COSTS				
PREHARVEST				$
CUSTOM SPRIGGING	ACRE	35.00	1.00	35.00
FERT(100-60-0)	ACRE	32.00	1.00	32.00
HERBICIDE	ACRE	6.90	0.50	3.45
HERBICIDE APPLI.	ACRE	3.00	0.50	1.50
IRRIGATION WATER	APPL	3.50	4.00	14.00
MACHINERY	ACRE	5.52	1.00	5.52
TRACTORS	ACRE	8.22	1.00	8.22
IRRIGATION MACHINERY	ACRE	2.00	1.00	2.00
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	3.71	10.21
LABOR(IRRIGATION)	HOUR	2.50	4.00	10.00
INTEREST ON OP. CAP.	DOL.	0.09	55.97	5.32
SUBTOTAL, PRE-HARVEST				$ 127.21
HARVEST COSTS				$
MOW,RAKE,BALE	BALE	0.45	100.00	45.00
CUSTOM HAUL	BALE	0.25	100.00	25.00
SUBTOTAL, HARVEST				$ 70.00
TOTAL VARIABLE COST				$ 197.21
3. INCOME ABOVE VARIABLE COSTS				$ -62.21
4. FIXED COSTS				$
MACHINERY	ACRE	5.50	1.00	5.50
TRACTORS	ACRE	4.04	1.00	4.04
IRRIGATION MACHINERY	ACRE	4.00	1.00	4.00
LAND (NET RENT)	ACRE	40.00	1.00	40.00
TOTAL FIXED COSTS				$ 53.54
5. TOTAL COSTS				$ 250.75
6. NET RETURNS				$-115.75

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

COASTAL BERMUDA GRASS ESTB., IRRIGATED, TEXAS RIO GRANDE VALLEY REGI
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
FERT.APPLI.RENTD	3.86	DEC	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	DEC	0.10	0.125	0.100	0.39	0.19
TANDEM DISC	2.43	JAN	1.00	0.155	0.104	0.61	0.45
FLOAT PLANE	1.48	JAN	1.00	0.440	0.293	2.04	1.62
DITCHER BLADE	4.56	JAN	1.00	0.503	0.335	1.37	1.25
HERBICD SPRAYR6R	3.54	MAR	1.00	0.271	0.181	0.84	0.67
PICKUP TRUCK	10	MAR	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	APR	0.10	0.125	0.100	0.39	0.19
FERT.APPLI.RENTD	3.86	MAY	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	MAY	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JUNE	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JULY	0.10	0.125	0.100	0.39	0.19
MOLDBOARD PLOW	1.31	AUG	1.00	0.563	0.375	3.19	2.31
OFFSET DISC	2.41	AUG	1.00	0.239	0.159	1.02	0.91
FERT.APPLI.RENTD	3.86	AUG	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	AUG	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	SEPT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	OCT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	NOV	0.10	0.125	0.100	0.39	0.19
TOTALS				3.712	2.641	13.74	9.54

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUDGET IDENTIFICATION NUMBER--- 834019701191 0.
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDA HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$
HAY	TON	45.00	7.00	315.00
TOTAL				$ 315.00
2. VARIABLE COSTS				
PREHARVEST				$
FERT(200-0-0)	ACRE	40.00	1.00	40.00
IRRIGATION WATER	APPL	3.50	3.00	10.50
MACHINERY	ACRE	3.95	1.00	3.95
TRACTORS	ACRE	1.26	1.00	1.26
IRRIGATION MACHINERY	ACRE	1.50	1.00	1.50
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	1.58	4.35
LABOR(IRRIGATION)	HOUR	2.50	6.00	15.00
INTEREST ON OP. CAP.	DOL.	0.09	28.58	2.72
SUBTOTAL, PRE-HARVEST				$ 79.27
HARVEST COSTS				$
MOW,RAKE,BALE	BALE	0.45	233.00	104.85
CUSTOM HAUL	BALE	0.25	233.00	58.25
SUBTOTAL, HARVEST				$ 163.10
TOTAL VARIABLE COST				$ 242.37
3. INCOME ABOVE VARIABLE COSTS				$ 72.63
4. FIXED COSTS				$
MACHINERY	ACRE	2.02	1.00	2.02
TRACTORS	ACRE	0.56	1.00	0.56
IRRIGATION MACHINERY	ACRE	3.00	1.00	3.00
PRORATED ESTAB. COST	ACRE	190.83	0.10	19.08
LAND (NET RENT)	ACRE	40.00	1.00	40.00
TOTAL FIXED COSTS				$ 64.66
5. TOTAL COSTS				$ 307.03
6. NET RETURNS				$ 7.97

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

COASTAL BERMUDA HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
CHISEL PLOW	1.32	JAN	0.33	0.138	0.092	0.61	0.35
PICKUP TRUCK	10	JAN	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	FEB	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	MAR	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	APR	0.10	0.125	0.100	0.39	0.19
FERT.APPLI.RENTD	2.86	MAY	1.00	0.097	0.064	0.34	0.16
PICKUP TRUCK	10	MAY	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JUNE	0.10	0.125	0.100	0.39	0.19
FERT.APPLI.RENTD	2.86	JULY	1.00	0.097	0.064	0.34	0.16
PICKUP TRUCK	10	JULY	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	AUG	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	SEPT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	OCT	0.10	0.125	0.100	0.39	0.19
TOTALS				1.582	1.221	5.20	2.58

LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUDGET IDENTIFICATION NUMBER--- 8360196021910 0
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDA HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$
HAY	TON	45.00	12.00	540.00
TOTAL				$ 540.00
2. VARIABLE COSTS				
PREHARVEST				$
FERT(400-0-0)	ACRE	80.00	1.00	80.00
IRRIGATION WATER	APPL	3.50	4.00	14.00
MACHINERY	ACRE	3.95	1.00	3.95
TRACTORS	ACRE	1.49	1.00	1.49
IRRIGATION MACHINERY	ACRE	2.00	1.00	2.00
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	1.75	4.81
LABOR(IRRIGATION)	HOUR	2.50	4.00	10.00
INTEREST ON OP. CAP.	DOL.	0.09	48.89	4.64
SUBTOTAL, PRE-HARVEST				$ 120.89
HARVEST COSTS				$
MOW,RAKE,BALE	BALE	0.45	400.00	180.00
CUSTOM HAUL	BALE	0.25	400.00	100.00
SUBTOTAL, HARVEST				$ 280.00
TOTAL VARIABLE COST				$ 400.89
3. INCOME ABOVE VARIABLE COSTS				$ 139.11
4. FIXED COSTS				$
MACHINERY	ACRE	2.02	1.00	2.02
TRACTORS	ACRE	0.74	1.00	0.74
IRRIGATION MACHINERY	ACRE	4.00	1.00	4.00
PRORATED ESTAB. COST	ACRE	195.73	0.10	19.57
LAND (NET RENT)	ACRE	40.00	1.00	40.00
TOTAL FIXED COSTS				$ 66.34
5. TOTAL COSTS				$ 467.23
6. NET RETURNS				$ 72.77

ESTABLISHMENT COSTS PRORATED OVER 10 YEARS.
LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

COASTAL BERMUDA HAY, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
CHISEL PLOW	1,33	JAN	0.33	0.113	0.075	0.51	0.31
PICKUP TRUCK	10	JAN	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	FEB	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	MAR	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	APR	0.10	0.125	0.100	0.39	0.19
FERT.APPLI,RENTD	3,86	MAY	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	MAY	0.10	0.125	0.100	0.39	0.19
FERT.APPLI,RENTD	3,86	JUNE	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	JUNE	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	JULY	0.10	0.125	0.100	0.39	0.19
FERT.APPLI,RENTD	3,86	AUG	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	AUG	0.10	0.125	0.100	0.39	0.19
FERT.APPLI,RENTD	3,86	SEPT	1.00	0.097	0.064	0.25	0.14
PICKUP TRUCK	10	SEPT	0.10	0.125	0.100	0.39	0.19
PICKUP TRUCK	10	OCT	0.10	0.125	0.100	0.39	0.19
TOTALS				1.750	1.333	5.44	2.77

ESTABLISHMENT COSTS PRORATED OVER 10 YEARS.
LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977

BUDGET IDENTIFICATION NUMBER--- 836019701191 0
ANNUAL CAPITAL MONTH 11

COASTAL BERMUDA PASTURE, IRRIGATED, TEXAS RIO GRANDE VALLEY REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$_____
TOTAL				$ 0.0
2. VARIABLE COSTS				
PREHARVEST				$
FERT(100-0-0)	ACRE	20.00	1.00	20.00
IRRIGATION WATER	APPL	3.50	3.00	10.50
MACHINERY	ACRE	4.14	1.00	4.14
TRACTORS	ACRE	2.18	1.00	2.18
IRRIGATION MACHINERY	ACRE	1.50	1.00	1.50
LABOR(TRACTOR & MACHINERY)	HOUR	2.75	2.08	5.72
LABOR(IRRIGATION)	HOUR	2.50	6.00	15.00
INTEREST ON OP. CAP.	DOL.	0.09	26.01	2.47
SUBTOTAL, PRE-HARVEST				$ 61.51
HARVEST COSTS				$_____
SUBTOTAL, HARVEST				$ 0.0
TOTAL VARIABLE COST				$ 61.51
3. INCOME ABOVE VARIABLE COSTS				$ -61.51
4. FIXED COSTS				$
MACHINERY	ACRE	2.40	1.00	2.40
TRACTORS	ACRE	1.38	1.00	1.38
IRRIGATION MACHINERY	ACRE	3.00	1.00	3.00
PRORATED ESTAB. COST	ACRE	190.83	0.10	19.08
LAND (NET RENT)	ACRE	40.00	1.00	40.00
TOTAL FIXED COSTS				$ 65.86
5. TOTAL COSTS				$ 127.37
6. NET RETURNS				$-127.37

ESTABLISHMENT COSTS PRORATED OVER 10 YEARS. INCOME REFLECTED IN LIVESTOCK BUDGETS. LAND CHARGE BASED ON CASH LEASE.
PREPARED BY ALAN W. REICHARDT, TAEX, WESLACO, TEXAS PROJECTED 1977