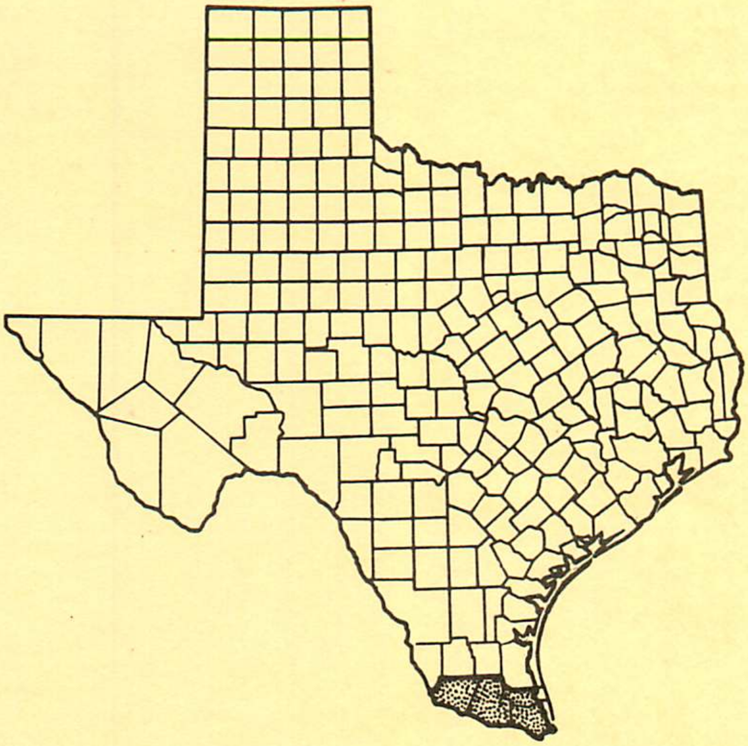

TEXAS RIO GRANDE VALLEY

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 (1976)		
Seed		
Cotton	lb.	$ .40
Grain Sorghum	lb.	.42
Corn	lb.	.55
Forage Sorghum (silage)	lb.	.40
Hay grazer	lb.	.36
Wheat - Milam	bu.	10.00
Oats	bu.	4.00
Coastal Bermuda (sprigs & sprigging)	acre	35.00
Buffel grass	lb.	2.50
Carrots	lb.	7.00
Cabbage	lb.	40.00
Cantaloups	lb.	6.00
Honeydews	lb.	5.50
Watermelon	lb.	5.50
Cucumbers	lb.	6.00
Onions	lb.	30.00
Bell peppers	lb.	16.00
Tomatoes	lb.	16.00
Lettuce	lb.	16.00
Citrus Trees		
Orange	tree	4.00
Grapefruit	tree	4.00
Fertilizer		
Ammonium Nitrate	lb.	.30
Ammonium Sulfate	lb.	.33
Anhydrous Ammonia	lb.	.14
Urea	ton	235.00
Liquid N-32	lb.	.27
16-20-0	ton	177.00
18-46-0	ton	230.00
0-46-0	ton	195.00
Nitrate	lb.	.30
Phosphorous	lb.	.21

Item	Unit	Price
Prices paid (1976)		
Insecticides		
Methyl Parathion	gal.	$ 7.00
Ethyl Parathion	gal.	8.75
Toxephene	gal.	4.75
Cygon	gal.	20.50
Guthion	gal.	8.50
Sevin	lb.	1.52
Supercide	gal.	17.00
Lannate	gal.	18.60
Disyston	gal.	17.80
Monitor	gal.	48.90
Galecron	gal.	38.48
Dipell	lb.	8.80
Bidrin	gal.	42.00
Azodrin	gal.	21.30
Kelthane	gal.	21.30
Ethion	gal.	13.25
Acaraben	gal.	20.05
Citrus Spray Oil	gal.	.90
Zolone	gal.	16.19
Herbicides		
Treflan	gal.	28.50
Prefar	gal.	15.05
Lorox	lb.	3.70
Dacthal	lb.	1.85
Tok E-25	gal.	9.65
Balan	gal.	13.20
Igram	lb.	3.40
Simazine 80W	lb.	3.45
Propazine	lb.	3.20
Aatrex	lb.	2.95
Evik	lb.	2.88
MSMA	gal.	9.15
Banvel	gal.	36.30
Krovar	lb.	4.50
Hyvar X	lb.	6.00
Karmex	lb.	3.20
Cacadilic Acid	gal.	7.35
Fungicides		
Maneb, Manzate, Dithan M45	lb.	1.25
Bravo	gal.	25.55
Difolatan	gal.	9.75

Item	Unit	Price
Prices paid (1976)		
Zineb	lb.	$ 1.10
Benlate	lb.	8.30
Kocide 101	lb.	1.72
Defoliants		
Def, Folex	gal.	13.20
Accellerate	gal.	7.25
Sodium Chlorate	gal.	1.25
Arsenic Acid	gal.	4.35
Labor rates		
Tractor Operator	hr.	2.25
Irrigator	hr.	2.00
Hand Labor	hr.	2.00
Fuels & Lubricants		
Diesel	gal.	.47
Gasoline	gal.	.45
Motor Oil	gal.	1.95
Custom Rates		
Combine Grain Sorghum	cwt.	.25
Combine Corn	acre	15.00
Haul Grain Sorghum	cwt.	.15
Haul Corn	cwt.	.15
Cotton Picking (includes hauling)	lb. lint cotton	.08
Gin Cotton	cwt. seed cotton	2.35
Cut, Rake, Bale Hay (standard bales)	bale	.50
Cut, Rake, Bale Hay (large round bales)	bale	15.00/2000#
	bale	10.00/1000#
Cut, Rake, Stack Hay	stack	50.00/5000#
Haul Hay (standard bales)	bale	.20
Cut and Haul silage to silo	ton	2.50
Material application		
Insecticides	acre	1.50
Fungicides	acre	2.00
Defoliants	acre	2.00
Herbicides	acre	2.50
Incorporate herbicides	acre	3.00

Item	Unit	Price
Prices received (1976)		
Cotton	lb.	$ .55
Cotton seed	ton	100.00
Grain Sorghum	cwt.	5.00
Corn	bu.	3.00
Sorghum Silage	ton	10.00
Corn Silage	ton	14.00
Hay	ton	55.00
Carrots	sack	3.62
Cabbage	carton	2.34
Cantaloups	carton	4.52
Honeydews	carton	3.63
Cucumbers	bushel	5.53
Onions	bag	4.29
Bell Peppers	carton	4.87
Tomatoes	carton	7.64
Lettuce	carton	3.09
Oranges	ton	39.30
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 REGION

Estimated Machinery and Equipment Cost Per Hour of Use

Machinery Item and Size	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Tractor - 115 HP	$13,653	5	6000	$ 2.20	$ 5.20
Tractor - 90 HP	10,600	5	5000	2.05	4.40
Tractor - 75 HP	8,825	8	6400	1.76	3.29
Tractor - 60 HP	7,123	10	5000	2.08	2.94
Tractor - 40 HP	5,789	12	6000	1.57	2.29
Pickup - 1/2 ton	5,048	4	2500	1.91	3.91
Cotton picker 2R - 6 feet	23,500	6	1500	18.49	13.51
Moldboard plow - 5.3 feet	1,707	8	800	2.88	1.85
Moldboard plow - 6.7 feet	3,126	8	1200	3.51	2.26
Chisel plow - 9 feet	1,100	10	1500	1.11	.37
Chisel plow - 11 feet	1,389	10	1500	1.41	.47
Rolling cult. 6R - 20 feet	2,195	10	2000	1.66	.95
Bedder 6R - 20 feet	1,389	10	1500	1.41	.60
Planter 6R - 20 feet	1,042	10	1000	1.58	.35
Offset Disc - 10 feet	2,287	10	1500	2.31	.78
Offset disc - 13 feet	3,241	10	1500	3.28	1.10
Tandem disc - 14 feet	1,709	10	1500	1.73	.58
Tandem disc - 20 feet	2,547	10	2000	1.93	.65
Shredder - 5 feet	868	6	900	1.14	.55

Machinery Item and Size	Purchase Price	Estimated Years of Use	Estimated Hours of Use	Fixed Costs Per Hour	Variable Costs Per Hour
Rotovator 4R - 13 feet	$ 3,305	10	1500	$ 3.34	$ 1.91
Disc tiller - 14 feet	2,084	10	1500	2.11	.71
Cultivator 6R - 20 feet	1,737	10	1500	1.76	.75
Float plane - 14 feet	3,068	15	1995	2.90	.71
Shredder 4R - 13 feet	2,142	8	1200	2.42	1.01
Vegetable planter - 13 feet	1,158	10	500	3.52	1.51
Herbicide sprayer 6R - 20 feet	811	6	600	1.57	.69
Ditcher blade - 6 feet	486	15	750	1.23	.56
Cottontrailers - 3 feet	2,315	10	2500	1.39	.69
Orchard sprayer - 25 feet	5,094	10	3000	2.58	.86
Tandem disc - 8 feet	1,042	15	1500	1.31	.35
Border disc - 6 feet	435	15	1500	.55	.15
Tree hoe - 5 feet	1,036	10	2000	.79	.26
Herbicide sprayer - 12 feet	1,042	15	1500	1.31	.35
Broadcast seeder - 30 feet	522	10	2000	.40	.13
Flex harrow - 12 feet	463	10	1500	.47	.15
Stanhay planter - 13 feet	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 OR COST
1. GROSS RECEIPTS FROM PRODUCTION				$-------
TOTAL				$ 0.0
2. VARIABLE COSTS				$
PREHARVEST				
SEED	LBS.	2.50	4.00	10.00
MACHINERY	ACRE	2.42	1.00	2.42
TRACTORS	ACRE	4.65	1.00	4.65
LABOR(TRACTOR & MACHINERY)	HOUR	2.25	1.57	3.54
INTEREST ON OP. CAP.	DOL.	0.09	12.43	1.18
SUBTOTAL, PRE-HARVEST				$ 21.80
HARVEST COSTS				$-------
SUBTOTAL, HARVEST				$ 0.0
TOTAL VARIABLE COST				$ 21.80
3. INCOME ABOVE VARIABLE COSTS				$ -21.80
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				$ 41.33
6. NET RETURNS				$ -41.33

* PURE LIVE SEED, BROADCAST RATE.

PROJECTED, 1976

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.

PROJECTED, 1976

BUDGET IDENTIFICATICN NUMBER--- 8530190021900 0
ANNUAL CAPITAL MCNTH 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	2.25	0.44	0.98
OTHER LABOR	HOUR	2.00	0.50	1.00
INTEREST ON OP. CAP.	DOL.	0.09	0.57	0.05
SUBTOTAL, PRE-HARVEST				$ 3.41
HARVEST COSTS				$
SUBTOTAL, HARVEST				$ 0.0
TOTAL VARIABLE COST				$ 3.41
3. INCOME ABOVE VARIABLE COSTS				$ -3.41
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				$ 23.21
6. NET RETURNS				$ -23.21

ESTABLISHMENT COSTS PRORATED OVER TEN YEARS.
INCOME REFLECTED IN LIVESTOCK BUDGETS.

PROJECTED, 1976

BUFFEL GRASS, DRYLAND, TEXAS RIC 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 CCSTS PRORATED CVER TEN YEARS.
INCCME REFLECTED IN LIVESTOCK BUDGETS. PROJECTED, 1976

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