



TEXAS WEBB-MAVERICK REGION

FOREWORD

The enterprise budgets for the Webb-Maverick study area are based on yields as shown on form 11000600. Only one dryland budget was developed for the area, that being buffel grass pasture. According to county agricultural Extension agents and others in the counties, for all practical purposes dryland acreage of other crops is zero.

Webb and Maverick counties are characterized, in the cropland areas, by a relatively small number of growers for each of the commercial crops being grown. Many of the producers have moved in from other areas and are attempting to utilize skills acquired in other areas.

Webb County irrigated land tends to be rolling land which is terraced. Irrigation water is generally pumped from the river to permanent ditches and then irrigation is by gravity flow. Maverick County irrigated land is partly rolling and partly bottom land. Irrigation water is delivered to the farm by a series of canals oper-

ated and maintained by an irrigation district.

Water usage in both counties is high and rainfall is low and not evenly distributed throughout the growing season. Dryland farming is risky to the point of being practically non-existent, with the exception of buffelgrass pastures. Because rainfall timing, amount and utilization are generally poor, it is unlikely that any significant amount of dryland farming would take place in the absence of irrigation. Open land would probably be planted in permanent pasture and livestock would most likely displace crop farming.

Acres of grain sorghum and cotton in both counties are very low, both being grown by only one or two farmers.

In most cases only one level of management was distinguishable due to the small size of the farming area and to the small number of farmers producing the crop. In practically all cases crops are being grown by an owner-operator.

TEXAS WEBB-MAVERICK REGION

Assumed Prices Paid And Received By Farmers

Item	Unit	Price
<u>Prices Paid</u>		
Seed:		
Oats	bu.	\$ 1.45
Wheat	bu.	2.00
Corn	lb.	.28
Forage Sorghum	lb.	.13
Grain Sorghum	lb.	.25
Cotton	lb.	.17
Alfalfa	lb.	.50
Buffel Grass	lb.	1.65
Hubam Clover	lb.	.25
Onions	lb.	6.50
Carrots	lb.	2.50
Cantaloups	lb.	2.70
Fertilizer:		
Ammonium Nitrate	ton	59.00
Ammonium Sulfate	ton	45.00
Anhydrous Ammonia	ton	80.00
0-46-0	ton	70.00
0-0-60	ton	53.00
12-24-12	ton	68.50
Herbicides:		
Dacthal	lb.	1.25
Balan	gal.	10.00
Banvel	gal.	30.40
Propazine	lb.	2.45
Treflan	qt.	6.25
Pre-far	gal.	11.22
Fungicides:		
Maneb	lb.	.98
Manzate 200	gal.	15.85
Duter	lb.	4.21
Insecticides:		
Cygon	gal.	15.85
Malathion	gal.	7.65
Lanate	lb.	4.21
Parathion	lb.	.85
Sevin	lb.	.96
Di-Syston	gal.	15.25
Other Materials:		
Defoliant (Def)	gal.	9.60
Labor:		
Tractor Labor	hr.	1.60
Hand Labor	hr.	1.30

TEXAS WEBB-MAVERICK REGION

Assumed Prices Paid And Received By Farmers

Item	Unit	Price
Custom Rates:		
Aerial Spraying	ac.	\$1.00- 2.00
Hay Baling (Maverick)	ton	15.00
Hay Baling (Webb)	bale	.45
Cut Silage	ton	1.00
Haul Silage	ton	1.50
Combining Grain Sorghum	ac.	4.00
Haul Grain Sorghum	cwt.	.10
Combining Wheat	ac.	4.00
Haul Wheat	bu.	.10
Machine-pick Cotton	bale	25.00
Ginning Cotton		
Gin (Seed Cotton)	cwt.	.90
Bag and Ties	bale	6.00
Other	bale	1.50
Interest:		
Operating		.075
Investment		.07

Prices Received

Wheat	bu.	1.30
Cotton Lint	lb.	.22
Cotton Seed	ton	55.00
Grain Sorghum	cwt.	2.00
Sorghum Silage	ton	6.00
Corn Silage	ton	7.00
Coastal Bermuda Hay	ton	25.00
Buffel Grass Hay	ton	25.00
Alfalfa (infield)	ton	17.50
Oat Pasture	head per mo.	3.50
Buffel Grass Pasture	ac. per mo.	1.50
Pecans	lb.	.40
Onions (dry)	50/lb. bag	2.32
Carrots	50/lb. bag	2.15
Cantaloupes	80/lb. crate	5.95

TEXAS WEBB-MAVERICK REGION

Estimated Machinery And Equipment Cost Per Hour Of Use

Machinery Item and Size	Item No.	New Cost	Estimated Typical Yrs. Of Use	Total Depr. <u>1</u> /	Estimated Total Hrs. Of Use	Depr. Per Hr. <u>2</u> /	Interest on Investment Per Hour <u>3</u> /	Fuel, Oil, Lub., Rep., Per Hr. <u>4</u> /
Tractor, Diesel, 90HP	1	\$9,500	10	\$6,650	10,000	\$.67	\$.43	\$ 1.77
Tractor, Diesel, 65HP	2	7,500	12	5,250	10,000	.53	.41	1.38
Tractor, Diesel, 35HP	3	4,400	12	3,080	10,000	.31	.24	.81
Chisel Plow, 5 Shank	4	500	10	450	2,000	.26	.10	.38
Moldboard Plow, 4-16"	5	1,475	10	1,300	2,000	.65	.29	1.00
Disc Plow, 4-28"	6	1,450	20	1,400	2,000	.70	.53	1.45
Disc, Offset, 10'	7	2,000	15	1,800	3,000	.60	.39	.45
Disc Harrow, 4 Row	8	3,000	15	2,700	3,000	.90	.58	.67
Cultivator, 6 Row	9	1,500	12	1,350	2,500	.54	.28	.40
Cultivator, 2 Row	10	400	12	360	3,000	.12	.08	.09
Rolling Cultivator, 2-R	11	750	10	675	2,000	.34	.14	.25
Rotary Hoe, 6 Row	12	1,200	15	1,080	1,500	.72	.46	.66
Lister, 6 Row	13	1,100	12	980	2,000	.49	.26	.43
Lister, 4 Row	14	925	12	825	2,000	.41	.22	.31
Planter, With Bedshaper, 6 Row	15	1,500	10	1,200	1,500	.80	.42	.78
Planter, Planet Junior, 2 Row, With Bedshaper	16	925	10	800	1,000	.80	.29	.76
Fertilizer Attachment, 2 Row	17	300	8	300	1,000	.30	.08	.25
Fertilizer Attachment, 6 Row	18	600	8	600	600	1.00	.28	.60
Sprayer, With Herbicide Attachment	19	700	8	630	1,500	.42	.14	.47
Land Float, 4' x 12'	20	2,000	15	1,800	2,500	.72	.46	.48
Ditcher, V-Type	21	850	15	800	1,500	.53	.32	.34
Scraper Blade	22	420	15	380	2,000	.19	.12	.13

TEXAS WEBB-MAVERICK REGION

Estimated Machinery And Equipment Cost Per Hour Of Use

Machinery Item and Size	Item No.	New Cost	Estimated Typical Yrs. Of Use	Total Depr. <u>1/</u>	Estimated Total Hrs. Of Use	Depr. Per Hr. <u>2/</u>	Interest on Investment Per Hour <u>3/</u>	Fuel, Oil, Lub., Rep., Per Hr. <u>4/</u>
Shredder, 2 Row	23	600	10	540	1,000	.36	.23	.36
Forage Chopper, PTO	24	3,400	10	2,800	1,500	1.87	.93	1.81
Forage Wagon, (2)	25	2,900	15	2,500	1,500	1.67	1.16	1.16
Air Blast Sprayer	26	12,800	10	4,000	2,500	2.50	1.27	1.92
Pickup Truck	27	3,600	3	2,100	90,000 miles	1.40/Acre /Year	.35/Acre /Year	2.40/Acre /Year
Brillion Seeder	28	1,800	15	1,500	1,500	1.00	.74	1.20
Grain Drill 8'	29	875	10	750	500	1.50	.70	.44
Irrigation System No. 1 (Webb Co.) <u>5/</u>								
2500 GPM Pump	30	1,300	15	1,150	20,000	.06	.04	.05
75HP Electric Motor	30	4,000	25	3,600	33,000	.11	.12	1.50
Distribution System <u>6/</u>	30	27,500	25	27,500	33,000	.83	.73	.10
Irrigation System No. 2 (Maverick Co.) <u>7/</u>								
Distribution System <u>8/</u>	31	27,000	25	27,000	50,000	.54	.47	.10

1/ New cost less value at time of trade, or less salvage value.2/ Assumes straight line depreciation.3/ Calculated @ (New Cost + Salvage) ÷ 2 x 7%.4/ Fuel, Oil, Lubrication, Repair Cost estimate taken from Bowers, W., Modern Concepts of Farm Management Handbook and 1970 Agricultural Engineer's Handbook.5/ 100' lift from river into concrete lined ditch, gravity flow to field, furrow irrigate.6/ Steelpipe, concrete pipe, concrete lined ditches, earthen ditches, siphon tubes.7/ Water delivered to farm by irrigation district.8/ Concrete lined and earthen ditches.

TEXAS WEBB-MAVERICK REGION

Yield Per Acre For Typical And High Level Management

Crop	County	Unit	<u>Irrigated</u>	
			Typical	High Level
Cotton	Maverick	lbs.	500	-
Pecans	Maverick	lbs.	1,500	-
Coastal Bermuda Hay	Maverick	tons	9	-
Oat Pasture	Maverick	head days	600	-
Wheat	Maverick	bu.	50	-
Grain Sorghum	Maverick	cwt.	30	-
Sorghum Silage	Maverick	tons	-	25
Corn Silage	Maverick	tons	-	10
Alfalfa	Maverick	tons <u>1/</u>	-	6.5
Sorghum Silage	Webb	tons	22	-
Oat Pasture	Webb	lbs. of gain	600	-
Cantaloupes	Webb	80 lb. crates	150	-
Carrots	Webb	50 lb. bags	360	-
Onions	Webb	50 lb. bags	500	-
Buffel Grass Hay	Webb	tons	3.5	-
Buffel Grass Pasture	Webb Maverick	animal unit months	1.5 <u>2/</u>	-

1/ Dehydrated weight basis.2/ Dryland

ALFALFA ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Alfalfa Establishment, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. No Income				
2. Variable Costs:				
Seed	lb.	\$.50	25	\$ 12.50
Fertilizer (24-48-24)	ac.	6.86	1	6.86
Machinery (Custom)	ac.	10.00	1	10.00
Machinery	ac.	1.03	1	1.03
Tractor (1)	hr.	1.77	1.62	2.87
Irrigation Machinery	ac.	.10	1	.10
Labor, Tractor & Machinery	hr.	1.60	2.03	3.25
Labor, Irrigation	hr.	1.30	.50	.65
Pickup Expense	ac.	2.40	.50	1.20
Interest on Op. Cap.	\$.075	19.23	<u>1.44</u>
Total Variable Costs				\$ 39.90
3. No Income Above Variable Costs				
4. Fixed Costs:				
Machinery	ac.	2.13	1	\$ 2.13
Tractor (1)	hr.	1.10	1.62	1.78
Irrigation	ac.	1.01	1	1.01
Pickup Expense (1/2 year)	ac.	1.75	1/2	.87
Land Charge (1/2 year)	\$.03	3.50	10.50
Taxes (1/2 year)	ac.	8.50	1/2	<u>4.25</u>
Total Fixed Costs				\$ 20.54
5. Total Costs				\$ 60.44

1/ Includes payment to water district

ALFALFA ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Alfalfa
Establishment, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Deepbreak (2)		Aug-Sep 1	-	-	-	\$ -	\$ -
Disc	1,8	Aug-Sep 2		.63	.50	.34	.74
Float	1,20	Aug-Sep 2		.84	.67	.32	.79
Make Borders	1,21	Aug-Sep 1		.25	.20	.07	.17
Plant	1,28	Oct 1		<u>.31</u>	<u>.25</u>	<u>.30</u>	<u>.43</u>
Total				2.03	1.62	\$ 1.03	\$ 2.13
Irrigation:	31	Aug-Nov 2		.50*	1.00	\$.10	\$ 1.01

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Custom @ \$10.00 per acre

* Labor Hours = Machine Hours x .5

ALFALFA, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Alfalfa, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Alfalfa, In Field <u>1/</u>	ton	\$ 17.50	6.5	\$113.75
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (0-100-0)	ac.	7.60	1	\$ 7.60
Tractor (1)	hr.	1.77	.12	.21
Tractor Labor	hr.	1.60	.15	.24
Irrigation Machinery	ac.	.70	1	.70
Irrigation Labor	hr.	1.30	3.50	4.55
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	7.85	.59
Subtotal, Pre-Harvest				\$ 16.29
Harvest:				
(Sold in Field)				
3. Income Above Variable Costs				\$ 97.46
4. Fixed Costs:				
Establishment (\$60.44/3 yrs)	ac.	20.15	1	\$ 20.15
Tractor (1)	hr.	1.10	.12	.13
Irrigation Machinery	ac.	7.14	1	7.14
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	350	21.00
Taxes <u>2/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 58.67
5. Total Costs				\$ 74.96
6. Net Returns				\$ 38.79

1/ Sold in field on dehydrated weight basis2/ Includes payment to water district

ALFALFA, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Alfalfa, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	1	-	1	.15	.12	-	-
Irrigation:	31	-	14	3.50*	7.00	\$.70	\$ 7.14
Harvest	Custom @ \$15.00/ton as hay or sold standing in field to dehydrator for \$17.50/ton.						

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = Machine hours x .5

BUFFEL GRASS, IRRIGATED, WEBB-MAVERICK REGION

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Estimated Costs And Returns Per Acre Of Buffel Grass, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Hay	ton	\$ 25.00	3.5	\$ 87.50
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (100-60-0)	ac.			\$ 15.06
Tractor (3)	hr.	.81	.10	.08
Tractor Labor	hr.	1.60	.11	.18
Irrigation Machinery	ac.	4.95	1	4.95
Irrigation Labor	hr.	1.30	1.5	1.95
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	12.31	.92
Sub-Total, Pre-Harvest				\$ 25.54
Harvest:				
Mow, Rake, Bale, Haul	bale	.45	105	\$ 47.25
Total Variable Costs				\$ 72.79
3. Income Above Variable Costs				\$ 14.71
4. Fixed Costs:				
Tractor (3)	hr.	.55	.10	\$.05
Irrigation Machinery	ac.	5.65	1	5.65
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes	ac.	2.20	1	2.20
Establishment (\$35 for 10 yrs)	ac.	3.50	1	3.50
Total Fixed Costs				\$ 31.15
5. Total Costs				\$103.94
6. Net Returns				\$(16.44)

BUFFEL GRASS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Buffel Grass, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	3	Apr	1	.11	.10	\$ -	\$ -
Irrigation:	30	Apr-Sep	3	1.50*	3.00	\$ 4.95	\$ 5.65

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = .5 x machine hours

BUFFEL GRASS, DRYLAND, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Buffel Grass, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production, Pasture Lease	mo.	\$ 1.50	8	\$ 12.00
2. Variable Costs:				
Brush Control	ac.	.25	1	\$.25
Tractor	hr.	.81	.4	.32
Labor	hr.	1.30	.5	.65
Interest on Op. Cap.	\$.075	.61	<u>.05</u>
Total Variable Costs				\$ 1.27
3. Income Above Variable Costs				\$ 10.73
4. Fixed Costs:				
Tractor	hr.	1.55	.4	\$.22
Establishment (\$25 per 10 yrs)	ac.	2.50	1	2.50
Land Charge	ac.	.06	100	6.00
Taxes	ac.	.40	1	<u>.40</u>
Total Fixed Costs				\$ 9.12
5. Total Costs				\$ 10.39
6. Net Returns				\$ 1.61

BUFFEL GRASS, DRYLAND, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Buffel Grass, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Spot Spray For Brush Control	3	Jan-Dec	1	.50	.40		

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

CANTALOUPE, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Cantaloupes, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Cantaloupes	80 lb. crates	\$ 5.95*	150	\$892.50
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	2.70	2	\$ 5.40
Fertilizer (80-80-36)	ac.	16.06	1	16.06
Herbicide (Prefar)	gal.	11.22	1	11.22
Insecticide	lb.	5.93	22	11.87
Application	ac.	1.50	4	6.00
Fungicide	lb.	.81	8	6.48
Application	ac.	2.00	4	8.00
Machinery	ac.	2.06	1	2.06
Tractor (1)	hr.	1.77	2.86	5.06
Tractor (3)	hr.	1.38	1.99	2.75
Tractor Labor	hr.	1.60	6.07	9.71
Hand Labor	hr.	1.30	30	39.00
Irrigation Machinery	ac.	6.60	1	6.60
Irrigation Labor	hr.	1.30	8	10.40
Bee Rental	hive	6.00	1	6.00
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	74.51	5.59
Subtotal, Pre-Harvest				\$154.60
Harvest:				
Hand Harvest	crate	.90	150	\$135.00
Packing	crate	2.25	150	337.50
Selling	crate	.10	150	15.00
Subtotal, Harvest				\$487.50
Total Variable Costs				\$642.10
3. Income Above Variable Costs				\$250.40
4. Fixed Costs:				
Machinery	ac.	3.27	1	\$ 3.27
Tractor (1)	hr.	1.10	2.86	3.15
Tractor (3)	hr.	.55	1.99	1.09
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	7.53	1	7.53
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	2.50
Total Fixed Costs				\$ 43.29
5. Total Costs				\$685.39
6. Net Returns				\$207.11

*1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

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CANTALOUPE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Cantaloupes, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	Sep-Dec	.33(2)	.21	.17	\$.24	\$.20
Chisel Plow	1,4	Sep-Dec	1	.63	.50	.19	.16
Disc	1,7	Dec-Jan	1.5	.63	.50	.23	.49
Float	1,20	Dec-Jan	1	.31	.25	.12	.30
Bed	1,14	Jan	1	.27	.22	.07	.14
Plant & Fertilize	1,16 & 17	Feb	1	.79	.63	.64	.93
Rolling Cultivate	3,11	Mar	1	.38	.30	.08	.14
Cultivate	3,10	Mar	1	.54	.43	.04	.09
Sidedress Fertilize	3,17	Apr-May	2	1.58	1.26	.31	.48
Make Ditches	1,21	Feb-May	3	.38	.30	.10	.25
Fill Ditches	1,22	Feb-May	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				6.07	4.85	\$ 2.06	\$ 3.27
Irrigation:	30	Feb-May	4	8.00	4.00	\$ 6.60	\$ 7.54
Hand Labor	-	Mar-May	3	30.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Every 3rd year

* Labor Hours = Machine Hours x 2

CARROTS, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Carrots, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Carrots	50/lb. bag	\$ 2.07*	360	\$745.20
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	2.50	4	\$ 10.00
Fertilizer (100-60-0)	ac.	15.06	1	15.06
Herbicide (Treflan)	qt.	6.25	1	6.25
Fungicide (Maneb)	lb.	.98	8	7.84
Application	ac.	2.00	4	8.00
Insecticide (Parathion)	lb.	1.04	1	1.04
Application	ac.	1.00	2	2.00
Machinery	ac.	2.29	1	2.29
Tractor (1)	hr.	1.77	3.53	6.25
Tractor (3)	hr.	1.38	1.46	2.01
Tractor Labor	hr.	1.60	4.99	7.98
Hand Labor	hr.	1.30	6	7.80
Irrigation Machinery	ac.	9.90	1	9.90
Irrigation Labor	hr.	1.30	12	15.60
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	52.21	3.92
Subtotal, Pre-Harvest				\$108.34
Harvest:				
Harvesting	bag	.50	360	\$180.00
Packing	bag	1.10	360	396.00
Selling	bag	.10	360	36.00
Subtotal, Harvest				\$612.00
Total Variable Costs				\$720.34
3. Income Above Variable Costs				\$ 24.86
4. Fixed Costs:				
Machinery	ac.	3.54	1	\$ 3.54
Tractor (1)	hr.	1.10	3.53	3.88
Tractor (2)	hr.	.55	1.46	.80
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	11.30	1	11.30
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	2.50
Total Fixed Costs				\$ 47.77
5. Total Costs				\$768.11
6. Net Returns				\$(22.91)

* 1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

CARROTS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Carrots, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	May-Jun	.33(2)	.21	.17	\$.24	\$.20
Chisel Plow	1,4	May-Jun	1	.63	.50	.19	.16
Disc	1,7	May-Jun	1	.42	.33	.15	.33
Disc Pre-Emerge	1,7 & 19	Jun-Jul	1	.42	.33	.31	.52
Float	1,20	Jun-Jul	1	.31	.25	.12	.30
Bed	1,14	Jul	1	.27	.22	.07	.14
Plant & Fertilize	1,15 & 17	Jul-Aug	1	.79	.63	.64	.93
Rolling Cultivate	3,11	Aug-Sep	2	.75	.60	.16	.28
Cultivate	3,10	Sep-Oct	2	1.08	.86	.08	.18
Chisel Middles	1,4	Sep-Oct	1	.63	.50	.19	.16
Make Ditches	1,22	Jul-Jan	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				6.23	4.99	\$ 2.29	\$ 3.54
Irrigation:	30	Jul-Jan	6	12.00*	6.00	\$ 9.90	\$11.30
Hand Labor	-	Aug-Jan	-	6.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Every 3rd year

* Labor Hours = Machine Hours x 2

Estimated Costs And Returns Per Acre Of
Coastal Bermudagrass Establishment, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Coastal Hay	ton	\$ 25.00	2	\$ 50.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (100-60-0)	ac.	15.16	1	\$ 15.60
Herbicide	ac.	5.25	1	5.25
Machinery	ac.	.45	1	.45
Tractor (1)	hr.	1.77	.70	1.24
Tractor (2)	hr.	1.38	.10	.28
Machinery (Custom)	ac.	30.00	1	30.00
Labor, Machinery	hr.	1.60	1.13	1.81
Labor, Irrigation	hr.	1.30	1.00	1.30
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	29.17	2.19
Subtotal, Pre-Harvest				\$ 60.52
Harvest:				
Custom (complete)	ton	15.00	2	\$ 30.00
Total Variable Costs				\$ 90.52
3. Income Above Variable Costs				\$(40.52)
4. Fixed Costs:				
Machinery	ac.	.90	1	\$.90
Tractor (1)	hr.	1.10	.70	.77
Tractor (2)	hr.	.94	.20	.19
Irrigation	ac.	2.02	1	2.02
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 32.13
5. Total Costs				\$122.65
6. Establishment Costs (Negative Net Returns)				\$ 72.65

1/ Includes payment to water district

COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGION
Estimated Costs, And Requirements Per Acre Of Coastal
Bermudagrass Establishment, Typical Management

11058121

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Deepbreak (2)	-	Aug-Sep	1	-	-	\$ -	\$ -
Disc	1,7	Feb	2	.63	.50	.23	.49
Disc	1,8	Mar	1	.25	.20	.13	.30
Sprig (3)	2,19	Apr	1	-	-	-	-
Spray	2,19	May	1	<u>.25</u>	<u>.20</u>	<u>.09</u>	<u>.11</u>
Total				1.13	.90	\$.45	\$.90
Irrigation:	31	Mar-Aug	4	1.00*	2.00	\$.20	\$ 2.02

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Custom at \$10.00 per acre

(3) Custom at \$20.00 per acre

* Labor Hours = Machine Hours x .5

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AECO 6

COASTAL BERMUDA HAY, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Coastal
Bermuda Hay, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Coastal Hay	ton	\$ 25.00	9	\$225.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (300-60-0)	ac.	36.06	1	\$ 36.06
Tractor (1)	hr.	1.77	.30	.53
Tractor Labor	hr.	1.60	.375	.60
Hand Labor	hr.	1.30	1	1.30
Irrigation Machinery	ac.	1.00	1	1.00
Irrigation Labor	hr.	1.30	2.5	3.25
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	22.57	1.69
Subtotal, Pre-Harvest				\$ 46.83
Harvest:				
Custom (complete)	ton	15.00	9	\$135.00
Total Variable Costs				\$181.83
3. Income Above Variable Costs				\$ 43.17
4. Fixed Costs:				
Tractor (1)	hr.	1.10	.30	\$.33
Establishment (\$72.65/10 years)	ac.	7.27	1	7.27
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	10.13	1	10.13
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 45.98
5. Total Costs				\$227.81
6. Net Returns				\$ (2.81)

1/ Includes payment to water district

COASTAL BERMUDA HAY, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of
Coastal Bermuda Hay, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	1	Feb-Aug	3	.38	.30	\$ -	\$ -
Hand Labor		Apr-Aug	-	1	-	-	-
Irrigation:	31	Jan-Dec	10	3	10.00	\$ 1.00	\$10.13

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = .25 machine hours

CORN FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Corn for Silage, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from productions:				
Corn Silage	ton	\$ 7.00	10	\$ 70.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.28	15	\$ 4.20
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Machinery	ac.	1.71	1	1.71
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.27	1.75
Tractor Labor	hr.	1.60	3.46	5.54
Irrigation Machinery	ac.	.50	1	.50
Irrigation Labor	hr.	1.30	5	6.50
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	21.23	1.59
Subtotal, Pre-Harvest				\$ 44.05
Harvest:				
Custom Cut	ton	1.00	10	\$ 10.00
Custom Haul	ton	1.50	10	15.00
Subtotal, Harvest				\$ 25.00
Total Variable Costs				\$ 69.05
3. Income Above Variable Costs				\$.95
4. Fixed Costs:				
Machinery	ac.	3.04	1	\$ 3.04
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.27	1.19
Irrigation Machinery	ac.	5.07	1	5.07
Pickup Truck	ac.	1.75	1	1.75
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year) <u>1/</u>	ac.	4.25	1	4.25
Total Fixed Costs				\$ 25.95
5. Total Costs				\$ 95.00
6. Net Returns				\$(25.00)

1/ Includes payment to water district

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CORN FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGION

11065111

Estimated Costs, And Requirements Per Acre
Of Corn For Silage, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred	2,23	Fall	1	.42	.33	\$.12	\$.20
Moldboard Plow	1,5	Fall	1	.63	.50	.50	.47
Disc	1,8	Dec-Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Jun	2	.25	.20	.12	.29
Fill Ditches	2,22	Mar-Jun	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.46	2.77	\$ 1.75	\$ 3.04
Irrigation:	31	Mar-Jun	5	5.00*	5.00	\$.50	\$ 5.07

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

COTTON, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Cotton Lint	lb.	\$.22	500	\$110.00
Cotton Seed	ton	55.00	.40	22.00
Total				\$132.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.17	20	\$ 3.40
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Herbicide	qt.	6.25	1	6.25
Insecticide	lb.	.85	15	12.75
Defoliant	pt.	1.20	1.5	1.80
Custom Application	ac.	1.50	11	16.50
Machinery	ac.	1.62	1	1.62
Tractor (1)	hr.	1.77	1.22	2.16
Tractor (2)	hr.	1.38	1.27	1.75
Tractor Labor	hr.	1.60	3.10	4.96
Irrigation Equipment	ac.	.50	1	.50
Irrigation Labor	hr.	1.30	5	6.50
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	38.88	2.92
Subtotal, Pre-Harvest				\$ 80.67
Harvest:				
Custom Pick	bale	25.00	1	\$ 25.00
Gin	bale	21.00	1	21.00
Subtotal, Harvest				\$ 46.00
Total Variable Costs				\$126.67
3. Income Above Variable Costs				\$ 5.57
4. Fixed Costs:				
Machinery	ac.	2.72	1	\$ 2.72
Tractor (1)	hr.	1.10	1.22	1.34
Tractor (2)	hr.	.94	1.27	1.19
Irrigation Machinery	ac.	5.07	1	5.07
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 38.57
5. Total Costs				\$165.24
6. Net Returns				\$(33.24)
7. Government Payment	lb.	.15	500	\$ 75.00
8. Net Return Including Government Payment				\$ 41.76

1/ Includes payment to water district

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COTTON, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Cotton, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred	2,23	Fall	1	.42	.33	\$.12	\$.20
Moldboard Plow	1,5	Fall	1	.63	.50	.50	.47
Disc	1,8	Jan	1	.31	.25	.17	.37
Disc and Pre-emerge	1,8	Jan-Feb	1	.38	.30	.20	.44
Bed	1,13	Jan-Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Jul	2	.25	.20	.12	.29
Fill Ditches	2,22	Mar-Jul	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.10	2.48	\$ 1.62	\$ 2.72
Irrigation:	31	Mar-Jul	5	5.00*	5.00	\$.50	\$ 5.07

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

Estimated Costs And Returns Per Acre Of Forage
Sorghum For Silage, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Silage	ton	\$ 6.00	25	\$150.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.13	18	\$ 2.34
Fertilizer (220-60-0) <u>1</u> /	ac.	16.66	1	16.66
Machinery	ac.	1.67	1	1.67
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.33	1.84
Tractor Labor	hr.	1.60	3.54	5.66
Irrigation Machinery	ac.	.80	1	.80
Irrigation Labor	hr.	1.30	8	10.40
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	22.22	1.67
Subtotal, Pre-Harvest				\$ 46.10
Harvest:				
Custom Cut	ton	1.00	25	\$ 25.00
Custom Haul	ton	1.50	25	37.50
Subtotal, Harvest				\$ 62.50
Total Variable Costs				\$108.60
3. Income Above Variable Costs				\$ 41.40
4. Fixed Costs:				
Machinery	ac.	2.95	1	\$ 2.95
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.33	1.25
Irrigation Machinery	ac.	8.10	1	8.10
Pickup Truck	ac.	1.75	1	1.75
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year)	ac.	4.25	1	4.25
Total Fixed Costs				\$ 28.95
5. Total Costs				\$137.55
6. Net Returns				\$ 12.45

1/ Weighted average price, Ammonium Sulfate and Anhydrous Ammonia = \$.055/lb.

2/ Includes payment to water district.

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FORAGE SORGHUM FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of
Forage Sorghum, For Silage, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Fall	1	.63	.50	\$.50	\$.47
Disc	1,8	Fall & Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Aug	4	.50	.40	.14	.34
Fill Ditches	2,22	Mar-Aug	4	<u>.50</u>	<u>.40</u>	<u>.05</u>	<u>.12</u>
Total				3.54	2.83	\$ 1.67	\$ 2.95
Irrigation:	31	Mar-Aug	8	8.00*	8.00	\$.80	\$ 8.10

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

GRAIN SORGHUM, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Grain Sorghum, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain Sorghum	cwt.	\$ 2.00	30	\$ 60.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.25	10	\$ 2.50
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Herbicide (Propazine)	lb.	2.45	1.5	3.68
Insecticide (Parathion)	lb.	.85	1	.85
Insecticide Application	ac.	1.00	2	2.00
Machinery	ac.	1.70	1	1.70
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.18	1.63
Tractor Labor	hr.	1.60	3.77	6.03
Irrigation Machinery	ac.	.40	1	.40
Irrigation Labor	hr.	1.30	4	5.20
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	23.11	1.73
Subtotal, Pre-Harvest				\$ 47.94
Harvest:				
Custom Harvest	ac.	4.00	1	\$ 4.00
Custom Haul	cwt.	.10	30	3.00
Subtotal, Harvest				\$ 7.00
Total Variable Costs				\$ 54.94
3. Income Above Variable Costs				\$ 5.06
4. Fixed Costs:				
Machinery	ac.	2.86	1	\$ 2.86
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.18	1.11
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	4.05	1	4.05
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year)	ac.	4.25	1	4.25
Total Fixed Costs				\$ 24.67
5. Total Costs				\$ 79.61
6. Net Returns				\$(19.61)

1/ Includes payment to water district

GRAIN SORGHUM, IRRIGATED, WEBB-MAVERICK REGION

11095121

Estimated Costs, And Requirements Per Acre Of Grain Sorghum, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Fall	1	.63	.50	\$.50	\$.47
Disc	1,8	Fall-Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Apply Pre-emerge	2,19	Mar	1	.31	.25	.12	.14
Make Ditches	2,21	Mar-Jun	2	.25	.20	.07	.17
Fill Ditches	2,22	Mar-Jun	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.35	2.68	\$ 1.70	\$ 2.86
Irrigation:	31	Mar-Jun	4	4.00*	4.00	\$.40	\$ 4.05

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

OATS FOR PASTURE, IRRIGATED, WEBB-MAVERICK REGION

11130122

Estimated Costs And Returns Per Acre Of Oats For Pasture, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing Lease	hd/day	\$.15	600	\$ 90.00
2. Variable Costs:				
Pre-Harvest:				
Seed				
Oats	bu.	1.45	4	\$ 5.80
Hubam Clover	lb.	.25	10	2.50
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Insecticide	ac.	1.50	1	1.50
Custom Application	ac.	1.50	1	1.50
Machinery	ac.	1.14	1	1.14
Tractor (1)	hr.	1.77	1.33	2.35
Tractor (2)	hr.	1.38	.51	.70
Tractor Labor	hr.	1.60	2.30	3.68
Irrigation Machinery	ac.	.30	1	.30
Irrigation Labor	hr.	1.30	.75	.98
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	20.01	1.50
Subtotal, Pre-Harvest				\$ 41.51
Harvest:				
None				
Total Variable Costs				\$ 41.51
3. Income Above Variable Costs				\$ 48.49
4. Fixed Costs:				
Machinery	ac.	2.28	1	\$ 2.28
Tractor (1)	hr.	1.10	1.33	1.46
Tractor (2)	hr.	.94	.51	.48
Irrigation Machinery	ac.	3.04	1	3.04
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 35.51
5. Total Costs				\$ 77.02
6. Net Returns				\$ 12.98

1/ Includes payment to water district

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OATS FOR PASTURE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of
Oats For Pasture, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Aug	1	.63	.50	\$.50	\$.47
Disc	1,8	Aug	2	.63	.50	.34	.74
Float	1,20	Aug	1	.42	.33	.16	.39
Fertilize	2	Sep	2	.25	.20	-	-
Drill	2,29	Sep	1	<u>.39</u>	<u>.31</u>	<u>.14</u>	<u>.68</u>
Total				2.30	1.84	\$ 1.14	\$ 2.28
Irrigation:	31	Nov-Apr	3	.75*	3.00	\$.30	\$ 3.04

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = .25 x Machine Hours

ONIONS, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Onions, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Onions	50# sack	\$ 2.20	500	\$1100.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	6.50	2.5	\$ 16.25
Fertilizer (100-100-0)	ac.			18.10
Herbicide (Dacthal)	lb.	1.25	9	11.25
Fungicide (Maneb)	lb.	.98	8	7.84
Application	ac.	2.00	4	8.00
Insecticide (Parathion)	lb.	1.04	2	2.08
Application	ac.	1.00	4	4.00
Machinery	ac.	2.33	1	2.33
Tractor (1)	hr.	1.77	2.87	5.08
Tractor (3)	hr.	.81	1.60	1.30
Tractor Labor	hr.	1.60	5.58	8.93
Hand Labor	hr.	1.30	5	6.50
Irrigation Machinery	ac.	8.25	1	8.25
Irrigation Labor	hr.	1.30	10	13.00
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	57.66	4.32
Subtotal, Pre-Harvest				\$ 119.63
Harvest:				
Hand Harvest	50# sack	.45	500	\$ 225.00
Packing	50# sack	.80	500	400.00
Selling	50# sack	.25	500	125.00
Subtotal, Harvest				\$ 750.00
Total Variable Costs				\$ 869.63
3. Income Above Variable Costs				\$ 230.37
4. Fixed Costs:				
Machinery	ac.	3.59	1	\$ 3.59
Tractor (1)	hr.	1.10	2.87	3.16
Tractor (3)	hr.	.55	1.60	.88
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	9.43	1	9.43
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	2.50
Total Fixed Costs				\$ 45.31
5. Total Costs				\$ 914.94
6. Net Returns				\$ 185.06

* 1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

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AECO 6

ONIONS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Onions, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	Sep	.33	.21	.17	\$.24	\$.20
Chisel Plow	1,4	Sep	1	.63	.50	.19	.16
Disc	1,7	Sep	1.5	.63	.50	.23	.49
Float	1,20	Sep	1	.31	.25	.12	.30
Bed	1,14	Sep	1	.27	.22	.07	.14
Plant, Fertilize & Herbicide	1,16						
	17,19	Oct	1	.79	.63	.94	1.29
Rolling Cultivate	3,11	Nov-Dec	2	.75	.60	.15	.29
Sidedress Fertilize	3,17	Jan-Feb	2	1.25	1.00	.25	.38
Make Ditches	1,21	Nov-May	3	.38	.30	.10	.25
Fill Ditches	1,22	Nov-May	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				5.58	4.47	\$ 2.33	\$ 3.59
Irrigation:	30	Nov-May	5	10.00*	5.00	\$ 8.25	\$ 9.43
Hand Hoe	-	Jan-Mar	1	5.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours x 2

Estimated Costs And Returns Per Acre Of Pecans, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Pecans	lb.	\$.40	1500	\$600.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (150-0-0)	ac.	15.75	1	\$ 15.75
ZnSO ₄	lb.	.164	20	3.28
Insecticide Malathion	qt.	1.91	4.5	8.60
Insecticide Dy-Syton	lb.	2.54	3	7.62
Fungicide (Duter)	lb.	4.21	1	4.21
Machinery	ac.	5.81	1	5.81
Tractor (1)	hr.	1.77	4.15	7.36
Tractor Labor	hr.	1.60	5.82	9.31
Hand Labor	hr.	1.30	5	6.50
Irrigation Machinery	ac.	.60	1	.60
Irrigation Labor	hr.	1.30	7.5	9.75
Interest on Op. Cap.	\$.075	39.40	2.26
Subtotal, Pre-Harvest				\$ 81.05
Harvest:				
Hand Harvest	lb.	.05	1500	\$ 75.00
Total Variable Costs				\$156.05
3. Income Above Variable Costs				\$443.95
4. Fixed Costs:				
Machinery	ac.	10.89	1	\$ 10.89
Tractor (1)	hr.	1.10	4.15	4.57
Establishment (through 10th year)	ac.	40.00	1	40.00
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	6.08	1	6.08
Land	\$.06	500	30.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$101.79
5. Total Costs				\$257.84
6. Net Income (11th year and thereafter)				\$342.16

1/ Includes payment to water district.

PECANS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Pecans, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc	1,8	Jan-Dec	6	1.88	1.50	\$ 1.01	\$ 1.23
Fertilize	1	Jan-Feb	1	.19	.15	-	-
Spray	1,26	Apr-Sep	5	<u>3.75*</u>	<u>2.50</u>	<u>4.80</u>	<u>9.66</u>
Total				5.82	4.15	\$ 5.81	\$10.89
Irrigation:	31	Jan-Dec	6	7.50	6.00	\$.60	\$ 6.08
Hand Hoeing Pruning, Etc.		Jan-Dec	-	5.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Calculated at 1.5 times tractor hours to allow for filling sprayer

WHEAT, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Wheat, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Wheat	bu.	\$ 1.30	50	\$ 65.00
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	2.00	3	\$ 6.00
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Machinery	ac.	1.14	1	1.14
Tractor (1)	hr.	1.77	1.33	2.35
Tractor (2)	hr.	1.38	.51	.70
Tractor Labor	hr.	1.60	2.30	3.68
Irrigation Machinery	ac.	.30	1	.30
Irrigation Labor	hr.	1.30	.75	.98
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	16.86	1.26
Subtotal, Pre-Harvest				\$ 34.97
Harvest:				
Custom Combine	ac.	4.00	1	\$ 4.00
Custom Haul	bu.	.10	50	5.00
Subtotal, Harvest				\$ 9.00
Total Variable Costs				\$ 43.97
3. Income Above Variable Costs				\$ 21.03
4. Fixed Costs:				
Machinery	ac.	2.28	1	\$ 2.28
Tractor (1)	hr.	1.10	1.33	1.46
Tractor (2)	hr.	.94	.51	.48
Irrigation Machinery	ac.	.30	1	.30
Pickup Truck	ac.	1.75	1	1.75
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year) <u>1/</u>	ac.	4.25	1	4.25
Total Fixed Costs				\$ 19.52
5. Total Costs				\$ 63.41
6. Net Returns				\$ 1.51

1/ Includes payment to water district

WHEAT, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Wheat, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Oct	1	.63	.50	\$.50	\$.47
Disc	1,8	Oct	2	.63	.50	.34	.74
Float	1,20	Oct	1	.42	.33	.16	.39
Fertilize	2	Nov	2	.25	.20	-	-
Plant	2,29	Dec	1	<u>.39</u>	<u>.31</u>	<u>.14</u>	<u>.68</u>
Total				2.30	1.84	\$ 1.14	\$ 2.28
Irrigate	31	Dec-Apr	3	.75*	3.00	\$.30	\$ 3.04

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = .25 x Machine Hours