

TEXAS EL PASO REGION

FOREWORD

The data contained in this report are based on estimates and actual records of operations within an area described as the Texas El Paso Region. This area includes the El Paso and Hudspeth county area in extreme West Texas. Even in a region so narrowly defined, variation in inputs and returns exists among farms and managers. However, these budgets should serve as useful guides in planning and decision making for agriculturalists concerned with the area described above.

The enterprise budgets for this region are based on yields as shown on 07000600. The assumptions used in the development of these budgets include the following things. Farm size varied from 350 acres for the typical manager to 750 acres for the high level manager. Approximately two-thirds of the acreage for both management levels was planted to cotton. Adjustments in the government programs have led to a slight increase in the percentage of total cotton acreage which is planted in pima cotton. It was assumed that pima was planted on 55 percent of the cotton acreage in this region and upland cotton planted on 45 percent. Annual rotations are practiced on the typical farm using small grains or grain sorghum, and occasionally

alfalfa in rotation. The high level farmer typically uses rotation which may include 4 years of alfalfa and 1 year of cotton in an attempt to maximize cotton yields per acre. Cotton yields tend to increase 125 pounds per acre for cotton produced under a 2-year rotation with grain sorghum and another 125 pounds for the rotation with 4 years of alfalfa. Both typical and high level managers enjoy this increase. Pima cotton responds somewhat less to the two different rotation systems. Small grain grazing is practiced by both management levels but with greater intensity on farms of the above average manager.

Irrigation is supplied in both cases from the Rio Grande Project. Management differences center primarily on timing of operation, variation in rotation pattern and, to some degree, input levels. The high level manager extracts greater yields and usually greater profits from his enterprises due to a superior ability for preparing, planting, tending to and selling his crop.

No typical crop share or cash rent determination was available. Land rent was therefore computed on present market value and current interest rates on long-term capital investments.

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Assumed Prices Paid And Received By Farmers

Item	Unit	Price
Prices Paid		
The second secon		
Seed:		
Cotton (delinted)	cwt.	\$ 15.00
Grain Sorghum	cwt.	17.00
Corn	cwt.	28.00
Barley	cwt.	8.00
Alfalfa	cwt.	65.00
Bermuda Sprigs	bu.	.75
Fertilizer:	•	
Nitrogen	1b.	.05
Phosphorus	1b.	.08
Herbicide:		
Pre-emerge	qt.	6.25
Labor:	•	
Hoeing	hr.	1.30
Irrigation	hr.	1.50
Tractor	hr.	2.00
Custom Rates:		• • •
Insecticide plus materials	ac.	3.25
Fertilizer application	ac.	1.50
Cotton picking	bale	28.00
Cotton ginning, upland	bale	24.00
Cotton ginning, pima	bale	33.00
Grain Harvest	ac.	7.00
Grain Hauling	cwt.	.10
Swath, bale, haul hay	bale	.40
Capital:		• , •
Investment	\$.075
Operating	\$.08
Hail Insurance:	•	,
Cotton	\$100	7.50
Taxes:	• ***	
Land and Water	ac.	25.00
Prices Received		
Cotton, upland	1b./lint	\$.30
Cotton, pima	lb./lint	.48
Cottonseed	ton	65.00
Grain Sorghum	cwt.	2.25
Corn Silage, in field	ton	6.00
Barley	cwt.	2.20
Alfalfa	ton	35.00
Grazing, calf	lb./gain	.17
Concession and David		· - ·
Government Payments		
Upland Cotton	lb./lint	.15

07000510 TEXAS EL PASO REGION Estimated Machinery And Equipment Cost Per Hour Of Use, High Level Management

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 3/	Fuel, 0i1, Lub., Rep., Per Hr. 4/
Tractor, 118 HP (2)	1	\$13,500	6	\$7 , 500	4,200	ė 1 70	¢ 1 0/	A 1 00
Tractor, 50 HP (1)	2	3,500		3,500	7,200	\$ 1.79 .49	\$ 1.04	\$ 1.89
Shredder, 2-Row	3	350		261	•		.23	.65
Offset Disc	4	2,000		1,500	1,000	.26	.14	.19
Plow, 4 Btm.	5	1,350		1,000	1,600	.94	.47	.75
Float	6	1,250		•	1,600	.63	.44	.84
Lister, 4-Row	7	500		1,000 375	1,200	.83	.47	.25
Rotovator	8	2,500			1,200	.31	.22	.41
Planter Toolbar, 4-Row	9	800		1,900	1,600	1.19	.73	2.58
Rolling Cultivator	10			640	1,600	.40	.23	.78
Spray Rig, 4-Row	11	1,700		1,268	1,600	.79	.43	.91
Grain Drill, 14'		350		280	500	.56	.32	.71
•	12	1,300		1,000	800	1.25	.75	.99
Border Disc	13	250		200	800	.25	.14	.06
Hydrolic Sprayer	14	2,000		2,000	4,000	.50	.20	.50
Pruner	15	750		750	600	1.25	.50	1.25
Shaker	16	2,000	10	2,000	1,500	1.33	.53	1.33

 $[\]frac{1}{2}$ / New cost less value at time of trade, or less salvage value. Assumes straight line depreciation. (Investment + Salvage) divided by 2 (7.5%) divided by annual Fuel, Oil, Lubrication, repair cost estimate taken from Bower

⁽Investment + Salvage) divided by 2 (7.5%) divided by annual hours of use.

Fuel, Oil, Lubrication, repair cost estimate taken from Bower, Modern Concepts of Farm Machinery Management.

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Estimated Machinery And Equipment Cost Per Hour Of Use, Typical Management

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 3/	Fuel, 0il, Lub., Rep., Per Hr. 4/
Tractor, 105 HP (1)	1	\$10 , 500	8	\$6,500	5,000	\$ 1.30	\$.84	\$ 1.54
Tractor, 45 HP (1)	2	3,500		3,500	7,200	.49	.23	.65
Shredder, 2-Row	3	350		261	1,000	.26	.14	.19
Disc, 9'	4	1,200		900	2,500	.36	.18	.17
Plow	5	900		670	3,500	.19	.10	.33
Float	6	1,200		1,000	1,200	.83	.47	.25
Lister	7	500		375	1,200	.31	.22	.41
Rolling Cultivator	8	1,000	8	750	1,600	.47	.25	.53
Planter, Toolbar	10	800		640	600	1.06	.60	.45
Cultivator	11	850	10	670	1,200	.56	.32	.59
Spray Rig	12	350	10	280	500	.56	.32	.71
Border Disc	13	250	10	200	800	.25	.14	.06

 $\overline{2}$ / Assumes straight line depreciation.

^{1/} New cost less value at time of trade, or less salvage value.

 $[\]frac{3}{2}$ (Investment + Salvage) divided by 2 (7.5%) divided by annual hours of use.

^{4/} Fuel, Oil, Lubrication, repair cost estimate taken from Bower, Modern Concepts of Farm Machinery Management.

TEXAS EL PASO REGION

Yield Per Acre For Typical And High Level Management

Crop	Unit	Irrig	Irrigated	
		Typical	High Level	
Cotton, Upland	#lint	700	825	
Cotton, Pima <u>1</u> /	#lint	500	600	
Grain Sorghum	lbs.	3250	5000	
Corn for Silage	tons	-	25	
Barley	lbs.	3500	4500	
Alfalfa	tons	6	8	
Bermudagrass Pasture	#gain	-	750	

^{1/} Weighted average yields over past 10 years as reported in Annual Production Report, Rio Grande Project, Bureau of Reclamation indicates pima cotton yields 72.2 percent of upland cotton.

ALFALFA ESTABLISHMENT, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Alfalfa Establishment, High Level Management Value or Price or Item Unit Quantity Cost/Unit Cost 1. No Income 2. Variable Costs: Seed \$ 65.00 .40 cwt. \$ 26.00 Fertilizer (0-80-0) 6.40 6.40 1 ac. Machinery 1.06 1 ac. 1.06 Tractor (1) hr. 1.89 2.07 3.91 Tractor (2) .27 hr. .65 .42 Labor, Tractor hr. 2.00 3.10 6.20 Labor, Irrigation hr. 1.50 3.00 4.50 Pickup Expense .5 ac. 5.00 2.50 Well operation & maintenance ac/ft. 1.0 15.00 15.00 Interest on Op. Cap. \$.08 32.92 3.29 Total Variable Costs \$ 69.13 No Income Fixed Costs: Machinery ac. 2.56 2.56 1 Tractor (1) hr. 2.81 2.07 5.82 Tractor (2) hr. .72 .42 .30 Irrigation (water & land tax)1/ ac. 25.00 .5 12.50 Land Charge (Rent) 1/.075 375 28.13 Total Fixed Costs \$ 49.13 5. Total Costs \$118.44

One half rate due to double cropping.

ALFALFA ESTABLISHMENT, IRRIGATED, EL PASO REGION Estimated 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
Shred Stalks	1,3	Sep	1	.50	.40	\$.08	\$.16
Disc	1,4	Sep	1	.31	.25	.19	.35
Plow	1,5	Sep	1	.31	.25	.21	.27
Disc	1,4	Sep	1	.31	.25	.19	.35
Float	1,6	Sep	2	1.00	.80	.20	1.04
Border	1,13	Sep	1	.15	.12	.01	.05
Fertilize	2	Sep	1	.31	.25	-	_
Plant	2,12	Sep	1	.21	.17	18	34
Total				3.10	2.49	\$ 1.06	\$ 2.56
Irrigation:							
Preplant			1	1.00			
Postplant			2	2.00			
Total				3.00			

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

ALFALFA, IRRIGATED, EL PASO REGION

Estimated 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: Hay	ton	\$ 35.00	8	\$280.00
2.	Variable Costs:				
	Pre-Harvest:				
	1/4 Establishment	ac.	29.61	1	29.61
	Fertilizer (0-100-0)	ac.	8.00	1	8.00
	Tractor (2)	hr.	.65	.75	.49
	Labor, Tractor	hr.	2.00	.93	1.86
	Labor, Irrigation	hr.	1.50	10	15.00
	Pickup Expense	ac.	5.00	1	5.00
	Well operation & maintenance	ac/ft.	15.00	1.0	15.00
	Interest on Op. Cap. Subtotal, Pre-Harvest	\$.08	37.48	$\frac{3.00}{$77.96}$
	Harvest:				
	Swath, bale, haul (custom) $\underline{1}$ /	bale	.40	225	\$ 90.00
	Total Variable Costs				\$167.96
3.	Income Above Variable Costs				\$112.04
4.	Fixed Costs:				
-	Tractor (2)	hr.	.72	75	٥
	Irrigation (water & land tax)	ac.	25.00	.75 1	\$.54
	Land Charge (Rent)	\$.075	750	25.00
	5 (::::::)	*	.075	750	56.25
	Total Fixed Costs				\$ 81.79
5.	Total Costs				\$249.75
6.	Net Returns				\$ 30.25

Costs per ton for cubing alfalfa estimated to be approximately the same as these baling costs.

ALFALFA, IRRIGATED, EL PASO REGION

Estimated Costs, And Requirements Per Acre Of Alfalfa, High Level Management

					128. Hever Hanagement			
Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre	
Fertilize	2	Mar-Sep	3	<u>.93</u>	<u>.75</u>	-	_	
Total				.93	.75			
Irrigation:			10	10.00				

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

Estimated Costs And Returns Per Acre Of Alfalfa Establishment, Typical Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	No Income				
2.	Variable Costs:				
	Seed	cwt.	\$ 65.00	.38	\$ 24.70
	Fertilizer (0-80-0)	ac.	6.40	1	6.40
	Machinery	ac.	.79	1	.79
	Tractor (1)	hr.	1.54	. 2.52	3.88
	Tractor (2)	hr.	.65	.45	.29
	Labor, Tractor	hr.	2.00	3.73	7.46
	Labor, Irrigation	hr.	1.50	3	4.50
	Pickup Expenses	ac.	5.00	1	5.00
	Well operation & maintenance	ac/ft.	15.00	1	15.00
	Interest on Op. Cap.	\$.08	34.01	2.72
	Total Variable Costs				\$ 70.74
3.	No Income				
4.	Fixed Costs:				
	Machinery	ac.	2.25	1	\$ 2.25
	Tractor (1)	hr.	2.14	2.52	5.39
	Tractor (2)	hr.	.72	.45	.32
	Irrigation (water & land tax) $\frac{1}{}$	ac.	25.00	•5	12.50
	Land Charge (Rent) $\underline{1}$ /	\$.075	375	28.13
	Total Fixed Costs				\$ 48.59
5.	Total Costs				\$119.33

One half rate due to double cropping.

Estimated Costs, And Requirements Per Acre Of Alfalfa Establishment, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, 011, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred Stalks	1,3	Sep	1	.50	.40	\$.08	\$.16
Disc	1,4	Sep	1	.38	.30	.05	.16
Plow	1,5	Sep	1	.63	.50	.17	.15
Disc	1,4	Sep	1	.38	.30	•05.	.16
Float	1,6	0ct	2	1.13	.90	.23	1.17
Fertilize	2,13	0ct	1	.31	.25		-
Plant	2,12	0ct	1	25	20	20	40
Total				3.73	2.97	\$.79	\$ 2.25
Irrigation:							
Preplant			1	1.00			
Postplant			2	2.00	·		
Total				3.00			

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

ALFALFA, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Alfalfa, Typical Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production: Hay	ton	\$ 35.00	6	\$210.00
2.	Variable Costs:				
	Pre-Harvest: 1/4 Establishment Fertilizer (0-100-0) Tractor (2) Labor, Tractor Labor, Irrigation Pickup Expense Well operation & maintenance Interest on Op. Cap. Subtotal, Pre-Harvest	ac. ac. hr. hr. ac. ac/ft. \$	29.82 8.00 .65 2.00 1.50 5.00 15.00	1 .75 .93 10 1 1 37.59	\$ 29.82 8.00 .49 1.86 15.00 5.00 15.00 3.01 \$ 78.18
	Harvest: Swath, bale, haul (custom) $\underline{1}$ / Total Variable Costs	bale	.40	169	\$ 67.60 \$145.78
3.	Income Above Variable Costs				\$ 64.22
4.	Fixed Costs: Tractor (2) Irrigation (water & land tax) Land Charge (Rent)	hr. ac. \$.72 25.00 .075	.75 1 750	\$.54 25.00 56.25
	Total Fixed Costs				\$ 81.79
5.	Total Costs				\$227.57
6.	Net Returns				\$(17.57)

^{1/} Costs per ton for cubing alfalfa estimated to be approximately the same as these baling costs.

ALFALFA, IRRIGATED, EL PASO REGION

Estimated Costs, And Requirements Per Acre Of Alflafa, 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	2	Mar-Sep	3	.93	75		
Total				.93	.75		
Irrigation:			10	10.00		·	

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

BARLEY, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Barley, High Level Management

		_	,, <u> </u>		
	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production:				
	Grain	cwt.	\$ 2.20	45	\$ 99.00
	Grazing	1b./gain	.17	250	42.50
	Total				\$141.50
2.	Variable Costs:				
	Pre-Harvest:				
	Seed	cwt.	8.00	1	\$ 8.00
	Fertilizer (150-0-0)	ac.	7.50	ī	7.50
	Machinery	ac.	.63	<u>-</u>	.63
	Tractor (1)	hr.	1.89	1.72	3.25
	Tractor (2)	hr.	.65	.42	.27
	Labor, Tractor	hr.	2.00	2.67	5.34
	Labor, Irrigation	hr.	1.50	3.00	4.50
	Pickup Expenses	ac.	5.00	1	5.00
	Well operation & maintenance	ac/ft.	15.00	1	15.00
	Interest on Op. Cap. Subtotal, Pre-Harvest	\$.08	24.75	\$ 51.47
	Harvest:				
	Machinery (custom)	ac.	7.00	1	\$ 7.00
	Hauling	cwt.	.10	45	4.50
	Subtotal, Harvest		V = -		\$ 11.50
	Total Variable Costs				\$ 62.97
3.	Income Above Variable Costs				\$ 78.53
4.	Fixed Costs:				
	Machinery	ac.	1.39	1	\$ 1.39
	Tractor (1)	hr.	2.81	1.72	4.83
	Tractor (2)	hr.	.72	.42	.30
	Irrigation (water & land tax) $\frac{1}{2}$	ac.	25.00	.5	12.50
	Land Charge (Rent)1/	\$.075	375	28.13
	Total Fixed Costs				\$ 47.15
5.	Total Costs				\$110.12
6.	Net Returns				\$ 31.38

 $[\]underline{1}$ / One half rate due to double cropping.

BARLEY, IRRIGATED, EL PASO REGION

Estimated	Costs, And	Requir	ements 1	Per Acre	of Barley,	High Level 1	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 Stalks	1,3	Nov	1	.50	.40	\$.08	\$.16
Disc	1,4	Nov	2	1.00	.80	.16	.32
Float	1,6	Nov	1	.50	.40	.20	.52
Border	1,13	Nov	1	.15	.12	.01	.05
Fertilize	2	Dec	1	.31	.25	-	-
Plant	2,12	Dec	1	.21	.17	.18	.34
Total				2.67	2.14	\$.63	\$ 1.39
Irrigation:							
Postplant			3	3.00			

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

Estimated Costs And Returns Per Acre Of Barley, Typical Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production:	:			
	Grain	cwt.	\$ 2.20	31.2	\$ 68.64
	Grazing	lb./gain	.17	175	29.75
	Total				\$106.75
2.	Variable Costs:				
	Pre-Harvest:				
	Seed	cwt.	8.00	1	\$ 8.00
	Fertilize (100-0-0)	Ac.	5.00	1	5.00
	Machinery	ac.	.58	1	.58
	Tractor (1)	hr.	1.54	1.57	2.42
	Tractor (2)	hr.	.65	.45	.29
	Labor, Tractor	hr.	2.00	2.54	5.08
	Labor, Irrigation	hr.	1.50	3	4.50
	Pickup Expenses	ac.	5.00	1	5.00
	Well operation & maintenance	ac/ft.	15.00	1	15.00
	Interest on Op. Cap. Subtotal, Pre-Harvest	\$.08	22.94	$\frac{1.84}{$47.71}$
	Harvest:				
	Machinery (custom)	ac.	7.00	1	\$ 7.00
	Hauling	cwt.	.10	31.2	3.12
	Subtotal, Harvest		V-20	0112	\$ 10.12
	Total Variable Costs				\$ 57.83
3.	Income Above Variable Costs				\$ 48.92
4.	Fixed Costs:				
	Machinery	ac.	1.91	1	\$ 1.91
	Tractor (1)	hr.	2.14	1.57	3.36
	Tractor (2)	hr.	.72	.45	.32
	Irrigation (water & land tax)1		25.00	.5	12.50
	Land Charge (Rent) $\underline{1}/$	\$.075	375	28.13
	Total Fixed Costs		·		\$ 46.22
5.	Total Costs				\$104.05
6.	Net Returns				\$ 2.70

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

New, 1972

One half rate due to double cropping.

Estimated	Costs,	And Req	uirement	ts Per A	Acre Of Barle	ey, Typical N	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 Stalks	1,3	Nov	1	.50	.40	\$.08	\$.16
Disc	1,4	Nov	2	.76	.60	.10	.32
Float	1,6	Nov	1	.57	.45	.19	.98
Border	1,13	Nov	1	.15	.12	.01	.05
Fertilize	2	Nov	1	.31	. 25		-
Plant	2,12	Dec	1	25	20		.40
Total				2.54	2.02	\$.58	\$ 1.91
Irrigation:							
Postplant			3	3.00			

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

BERMUDAGRASS ESTABLISHMENT, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Bermudagrass Establishment, High Level Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production Grazing	: calf days	\$.10	180	\$ 18.00
2.	Variable Costs: Sprigs Fertilize (80-80-0) Machinery Tractor (1) Tractor (2) Labor, Tractor Labor, Irrigation Pickup Expense Well operation & maintenance Interest on Op. Cap. Total Variable Costs	bu. ac. ac. hr. hr. hr. ac. ac/ft.	.75 10.40 .88 1.89 .65 2.00 1.50 5.00 15.00 .08	30 1 1 2.07 .25 2.89 6.00 1 1 36.32	\$ 22.50 10.40 .88 3.91 .16 5.78 9.00 5.00 15.00 2.91
3,	Income Above Variable Costs				\$(57.54)
4.	Fixed Costs: Machinery Tractor (1) Tractor (2) Irrigation (water & land tax) Land Charge (Rent)	ac. hr. hr. ac. \$	2.22 2.81 .72 25.00 .075	1 2.07 .25 1 750	\$ 2.22 5.82 .18 25.00 56.25
	Total Fixed Costs				\$ 89.47
5.	Total Costs				\$165.01
6.	Annual Establishment @ 10 year	life			\$ 14.70

BERMUDAGRASS ESTABLISHMENT, IRRIGATED, EL PASO REGION Estimated Costs, And Requirements Per Acre Of Bermudagrass 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
Shred Stalks	1,3	Jan	1	.50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.31	.25	.19	.35
Plow	1,5	Feb	1	.31	.25	.21	.27
Disc	1,4	Feb	1	.31	.25	.19	.35
Float	1,6	Mar	2	1.00	.80	.20	1.04
Border	1,13	Mar	1	.15	.12	.01	.05
Fertilize	2	Mar	1	31	.25		
Total				2.89	2.32	\$.88	\$ 2.22
Irrigation:							
Preplant			1	1.00			
Postplant			5	5.00			
Total				6.00			

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

BERMUDAGRASS PASTURE, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Bermudagrass Pasture, High Level Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production: Grazing	cow days	\$. 15	365 <u>1</u> /	\$ 54.75
			•	_	
2.	Variable Costs:		14 70	1	\$ 14.70
	Establishment	ac.	14.70	1	16.50
	Fertilizer (250-50-0)	ac.	16.50	.75	.49
	Tractor (2)	hr.	.65	.93	1.86
	Labor, Tractor	hr.	2.00	6.00	9.00
	Labor, Irrigation	hr.	1.50	1	5.00
	Pickup Expenses	ac. \$	5.00	23.78	1.90
	Interest on Op. Cap.	Ą	.08	23.70	
	Total Variable Costs				\$ 49.45
3.	Income Above Variable Costs				\$ 5.30
4.	Fixed Costs:				
	Tractor (2)	hr.	.72	.75	\$.54
	Irrigation (water and land tax		25.00	1	25.00
	Land Charge (Rent)	\$.075	750	56.25
	Total Fixed Costs				\$ 81.79
5.	Total Costs				\$131.24
6.	Net Returns				\$(76.49)

^{1/ 8} months grazing @ 1.5 cows per acre = 365 cow days.

BERMUDAGRASS PASTURE, IRRIGATED, EL PASO REGION Estimated Costs, And Requirements Per Acre Of Bermudagrass Pasture, 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	2	Mar-Se	p 3	<u>.93</u>	<u>.75</u>	-	-
Total				.93	.75		
Irrigation			6	6.00			

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

Estimated 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 production Silage, standing in field	n: ton	\$ 6.00	25	\$150.00
2.	Variable Costs:				
	Pre-Harvest: Seed Fertilize (200-80-0) Machinery Tractor (1) Tractor (2) Labor, Tractor Labor, Irrigation Pickup Expense Insecticide (custom) Interest on Op. Cap. Subtotal, Pre-Harvest Harvest: (Sold in field) Total Variable Costs	cwt. ac. ac. hr. hr. hr. ac. application \$	28.00 16.40 .95 1.89 .65 2.00 1.50 5.00 3.00	.15 1 1.40 .85 2.81 4.00 1 1	\$ 4.20 16.40 .95 2.65 .55 5.62 6.00 5.00 3.00 1.77 \$ 46.14
3.	Income Above Variable Costs				\$103.86
4.	Fixed Costs: Machinery Tractor (1) Tractor (2) Irrigation (water & land tax Land Charge (Rent) Total Fixed Costs	ac. ac. hr.) ac. \$	2.39 2.81 .72 25.00 .075	1 1.40 .85 1 750	\$ 2.39 3.93 .61 25.00 56.25
-					\$ 88.18
5.	Total Costs				\$134.32
6.	Net Returns				\$ 15.68

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
Disc	1,4	Dec	2	1.00	.80	\$.16	\$.32
Float	1,6	Jan	1	.50	.40	. 20	•52
List	1,7	Feb	1	.25	. 20	.08	.16
Mulch	2,10	Apr	1	. 20	.16	.15	.20
Fertilize	2	Apr	1	.31	.25	-	-
Plant	2,9	Jun	1	. 25	.20	.16	.13
Cultivate	2,10	Ju1	1	.15	.12	.11	.98
Cultivate	2,9	Ju1	1	.15	.12	.09	.08
Total				2.81	2.25	\$.95	\$ 2.39
Irrigation:							
Preplant			1	1.00			
Postplant			3	3.00			
Total				4.00			

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

Estimated Costs And Returns Per Acre Of Pima Cotton, High Level Management

	Item	Unit	Price or Cost/Unit	Quantity	Value o Cost
1.	Gross receipts, from product	ion:			
	Lint	1b.	\$.48	600	\$288.00
	Seed	ton	65.00	.48	31.20
	Total			• • •	\$319.20
2.	Variable Costs:				
	Pre-Harvest:				
	Seed	cwt.	15.00	.36	\$ 5,40
	Fertilize (120-60-0)	ac.	10.80	1	
	Herbicide	qt.	6.25	1	10.80
	Machinery	ac.	3.69	1	6.25
	Tractor (1)	hr.	1.89	3.18	3.69
	Tractor (2)	hr.	.65		6.01
	Labor, Tractor	hr.	2.00	1.13	.73
	Labor, Hoeing	hr.		5.38	10.76
	Labor, Irrigation	hr.	1.30	8.00	10.40
	Insecticide (custom)	application	1.50	5.00	7.50
	Scouting		3.25	4	13.00
	Pickup Expense	ac.	2.50	1	2.50
	Hail Insurance	ac.	5.00	1	5.00
	Interest on Op. Cap.	\$100	7.50	1.5	11.25
	Subtotal, Pre-Harvest	\$.08	46.65	3.73
	rie-marvest				\$ 97.02
	Harvest:				
	Chemicals	ac.	4.00	1	\$ 4.00
	Machinery (custom)	bale	28.00	1.2	33.60
	Ginning	bale	33.00	1.2	
	Subtotal, Harvest		33,00	1.2	39.60 \$ 77.20
	Total Variable Costs				\$174.22
•	Income Above Variable Costs				
	Fixed Costs:				\$144.98
-	Machinery				
	Tractor (1)	ac.	5.80	1	\$ 5.80
	Tractor (2)	hr.	2.81	3.18	8.94
	Traigntion (makes 6.1.)	hr.	.72	1.13	.81
	Irrigation (water & land tax		25.00	1	25.00
	Land Charge (Rent)	\$.075	750	56.25
•	Total Fixed Costs				
	Total Costs				\$ 96.80
ì	Net Returns				\$271.02
		3 10 60 4	- 1		\$ 48.18
	overnment Payments (600 lbs. (Wet Return Including Governmen		<u>1</u> /		\$ 76.14
IN.	er keturn Including Coversmen	t Darmont			

^{1/} Based on planted acres No allowance made for set-aside acreage of 30.89%.

—DEVELOPED BY EXTENSION ECONOMISTS AMANAGEMENT, TAES, MADE for set-aside acreage of 30.89%.

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PIMA COTTON, IRRIGATED, EL PASO REGION

Estimated Costs, And Requirements Per Acre Of Pima Cotton, 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 Stalks	1,3	Jan	1	.50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.31	.25	.19	.35
Plow	1,5	Jan	1	.31	.25	.21	.27
Disc	1,4	Feb	1	.31	.25	.19	.35
Float	1,6	Feb	2	1.00	.80	.20	1.04
List	.1,7	Feb	· 1	.25	.20	.08	.16
Mulch	1,8	Feb	2	.84	.67	1.73	1.54
Fertilize	2	Mar	1	.31	.25	-	-
Cultivate	2,10	Apr	1	.15	.12	.11	.98
Herbicide	2,11	Apr	1	.25	.20	.14	.18
Plant	2,9	May	1.2	.30	.24	.19	.15
Cultivate	2,10	May-Jur	n 2	.40	.32	.29	.39
Cultivate	1,9	Jun-Aug	g 3	.45	.36		.23
Total				5.38	4.31	\$ 3.69	\$ 5.80
Irrigation:							
Preplant			1	1.00			
Postplant			4	4.00			
Total				5.00			

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

AECO 6

PIMA COTTON, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Pima Cotton, Typical Management

1. Gross receipts, from production: Lint Seed		Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
Seed	1.	Gross receipts, from production	on:			
2. Variable Costs: Pre-Harvest: Seed			1b.	\$.48	500	\$240.00
2. Variable Costs: Pre-Harvest: Seed			ton	65.00	.4	
Pre-Harvest: Seed		Total				\$266.00
Seed	2.					
Fertilize (100-60-0) ac. 9.80 1 9.80 Herbicide qt. 6.25 1 6.25 1 6.25 Machinery ac. 1.53 1 1.53 Tractor (1) hr. 1.54 4.12 6.34 Tractor (2) hr. 65 .57 .37 Labor, Tractor hr. 2.00 5.88 11.76 Labor, Hoeing hr. 1.30 6.00 7.80 Labor, Irrigation hr. 1.50 5.00 7.50 Labor, Irrigation hr. 1.50 5.00 7.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.						
Herbicide			-·· - •			•
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Tractor (1) hr. 1.54 4.12 6.34 Tractor (2) hr65 .57 .37 Labor, Tractor hr. 2.00 5.88 11.76 Labor, Hoeing hr. 1.30 6.00 7.80 Labor, Irrigation hr. 1.30 5.00 7.50 Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 19.50 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest Harvest: Chemicals ac. 4.00 1 \$ 4.00 Machinery (custom) bale 28.00 1 28.00 Ginning bale 33.00 1 33.00 Subtotal, Harvest Total Variable Costs \$161.20 3. Income Above Variable Costs \$161.20 4. Fixed Costs: Machinery ac. 3.45 1 \$ 3.45 Tractor (2) hr. 2.14 4.12 8.82 Tractor (2) hr. 72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$93.93 5. Total Costs \$93.93 5. Total Costs \$10.87 Ret Returns \$10.87 Ret Paturn Including Communic Parameters \$1.00 Total Variable Countries Communic Parameters \$10.87 Ret Paturn Including Communic Parameters \$10.87 Ret Paturn Including Communic Parameters \$10.87 Ret Paturn Including Communic Parameters P		_	-			
Tractor (2) hr65 .57 .37 Labor, Tractor hr. 2.00 5.88 11.76 Labor, Hoeing hr. 1.30 6.00 7.80 Labor, Irrigation hr. 1.50 5.00 7.50 Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest		<u> </u>				
Labor, Tractor hr. 2.00 5.88 11.76 Labor, Hoeing hr. 1.30 6.00 7.80 Labor, Irrigation hr. 1.50 5.00 7.50 Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest \$.08 46.25 3.70 Subtotal, Pre-Harvest \$.08 1 28.00 Ginning bale 28.00 1 28.00 Ginning bale 33.00 1 33.00 Subtotal, Harvest \$ \$161.20 Total Variable Costs \$ \$161.20 3. Income Above Variable Costs \$ \$161.20 4. Fixed Costs: Machinery ac. 3.45 1 \$ 3.45 Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ \$93.93 5. Total Costs \$ \$255.13 6. Net Returns \$ \$10.87		* *				
Labor, Hoeing hr. 1.30 6.00 7.80 Labor, Irrigation hr. 1.50 5.00 7.50 Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest \$.08 46.25 3.70 Subtotal, Pre-Harvest \$.08 46.25 3.70 Subtotal, Pre-Harvest \$.08 46.25 3.70 Subtotal, Harvest \$.08 1 28.00 Ginning bale 28.00 1 28.00 Ginning bale 33.00 1 33.00 Subtotal, Harvest \$.08 565.00 Total Variable Costs \$.161.20 3. Income Above Variable Costs \$.104.80 4. Fixed Costs: Machinery ac. 3.45 1 \$ 3.45 Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$.93.93 5. Total Costs \$.93.93 5. Total Costs \$.93.93 6. Net Returns \$.087		* *				
Labor, Irrigation hr. 1.50 5.00 7.50 Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest						11.76
Insecticide, (custom) application 3.25 6.00 19.50 Pickup Expense ac. 5.00 1 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 \$96.20						7.80
Pickup Expense ac. 5.00 1 5.00 Hall Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 \$96.20 \$ \$96.20 \$ \$96.20 \$ \$ \$ \$ \$ \$ \$ \$ \$						7.50
Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 46.25 3.70 Subtotal, Pre-Harvest			application		6.00	19.50
Interest on Op. Cap. \$.08 46.25 3.70 \$ 96.20 Harvest: Chemicals ac. 4.00 1 28.00						5.00
Subtotal, Pre-Harvest Harvest: Chemicals Machinery (custom) Ginning Subtotal, Harvest Total Variable Costs 4. Fixed Costs: Machinery Tractor (1) Tractor (2) Irrigation (water & land tax) Land Charge (Rent) 5. Total Costs Net Returns Subtotal, Pre-Harvest ac. 4.00 1 \$4.00 1 28.00 28.00 1 28.00 1 33.00 \$ 65.00 \$ 161.20 \$ 161.20 \$ 161.20 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80 \$ 104.80			· ·		1.5	11.25
Chemicals Machinery (custom) Ginning Subtotal, Harvest Total Variable Costs 1			Ş	.08	46.25	
Machinery (custom) bale 28.00 1 28.00 Ginning bale 33.00 1 33.00 \$ 65.00		Harvest:				
Machinery (custom) bale 28.00 1 28.00 Ginning bale 33.00 1 33.00 Subtotal, Harvest \$161.20 Total Variable Costs \$161.20 3. Income Above Variable Costs \$104.80 4. Fixed Costs: Machinery ac. 3.45 1 \$ 3.45 Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr. .72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ 255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69c/lb.) 1/ \$ 63.45			ac.	4.00	1	\$ 4.00
Ginning Subtotal, Harvest \$33.00 \$1 33.00 \$65.00 Total Variable Costs \$161.20 3. Income Above Variable Costs \$104.80 4. Fixed Costs: Machinery ac. 3.45 1 \$3.45		Machinery (custom)	bale			
Subtotal, Harvest \$ 65.00 Total Variable Costs \$161.20 3. Income Above Variable Costs \$104.80 4. Fixed Costs: Machinery ac. 3.45 1 \$3.45 Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$93.93 5. Total Costs \$255.13 6. Net Returns \$10.87 7. Government Payments (500 lbs. @ 12.69c/lb.) 1/ \$63.45		Ginning	bale			
3. Income Above Variable Costs \$104.80 4. Fixed Costs: Machinery		Subtotal, Harvest			_	
4. Fixed Costs: Machinery		Total Variable Costs				\$161.20
Machinery ac. 3.45 1 \$ 3.45 Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ 255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69c/lb.) 1/ \$ 63.45	3.	Income Above Variable Costs				\$104.80
Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ 255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69¢/lb.) 1/ \$ 63.45	4.			•		
Tractor (1) hr. 2.14 4.12 8.82 Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ 255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69c/lb.) 1/ \$ 63.45			ac.	3.45	1	\$ 3.45
Tractor (2) hr72 .57 .41 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ \$255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69c/lb.) 1/ \$ 63.45		The state of the s	hr.	2.14		•
Irrigation (water & land tax) ac. 25.00 1 25.00 56.25 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 93.93 5. Total Costs \$ \$255.13 6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69¢/lb.) 1/ \$ 63.45						
Land Charge (Rent) \$.075 750		Irrigation (water & land tax) ac.	25.00		
5. Total Costs \$255.13 6. Net Returns \$10.87 7. Government Payments (500 lbs. @ 12.69¢/lb.) 1/ \$63.45		Land Charge (Rent)	\$.075	750	
6. Net Returns \$ 10.87 7. Government Payments (500 lbs. @ 12.69¢/lb.) 1/ \$ 63.45		Total Fixed Costs				\$ 93.93
7. Government Payments (500 lbs. @ 12.69¢/lb.) 1/ \$ 63.45	5.	Total Costs				\$255.13
8. Net Return Including Commun. 1 P.	6.	Net Returns				\$ 10.87
8. Net Return Including Government Payment \$ 74.32	7.	Government Payments (500 lbs.	@ 12.69¢/1b.) <u>1</u> /		\$ 63.45
	8.	Net Return Including Governmen	t Payment			\$ 74.32

 $[\]underline{1}$ / Based on planted acres. No allowance made for set-aside acreage of 30.89%.

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

Cooperative Extension Work in Agriculture and Home Economics, Texas A&M University and the United States Department of Agriculture cooperating. Distributed in furtherance of the Acts of Congress of May 8, 1914, as amended, and June 30, 1914.

PIMA COTTON, IRRIGATED, EL PASO REGION

Estimated Costs, And Requirements Per Acre Of Pima 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 Stalks	1,3	Jan	1	• 50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.38	.30	.05	.16
Plow	1,5	Feb	1	.63	.50	.17	.15
Disc	1,4	Feb	1	.38	. 30	.05	.16
Float	1,6	Feb	2	1.13	.90	.23	1.17
List	1,7	Mar	1	.31	.25	.10	.13
Fertilize	2	Apr	1	.31	.25	-	-
Disc	1,4	Apr	1	.38	.30	.05	.16
List	1,7	Apr	1	.31	.25	.10	.13
Herbicide	1,12	Apr	1	.25	.20	.14	.18
Plant	1,10	May	1.2	. 30	.24	.11	.40
Cultivate	2,8	Jun	2	.40	.32	.17	.23
Cultivate	1,11	Jul-Aug	3 4	60	.48	.28	.42
Total				5.88	4.69	\$ 1.53	\$ 3.45
Irrigation:							
Preplant			1	1.00			
Postplant			4	4.00			
Total				5.00			

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

UPLAND COTTON, IRRIGATED, EL PASO REGION

Cost Unit Cost Cost		Estimated Costs And Returns Pe	Unit	Price or	Quantity	Value or
Lint Seed ton 65.00 .66 42.90		10011	OHIL	Cost/Unit	quantity	Cost
Seed	1.	Gross receipts, from producti	on:			
Total 2. Variable Costs: Pre-Harvest: Seed			1b.	\$.30	825	\$247.50
2. Variable Costs: Pre-Harvest: Seed			ton	65.00	.66	42.90
Pre-Harvest: Seed cwt. 15.00 .36 \$ 5.40 Fertilize (140-60-0) ac. 11.80 1 11.80 Herbicide qt. 6.25 1 6.25 Machinery ac. 3.69 1 3.69 Tractor (1) hr. 1.89 3.18 6.01 Tractor (2) hr. 65 1.13 .73 Labor, Tractor hr. 2.00 5.38 10.76 Labor, Hoeing hr. 1.30 8.00 10.40 Labor, Irrigation hr. 1.50 6.00 9.00 Insecticide (custom) application 3.25 4 13.00 Scouting ac. 2.50 1 2.50 Pickup Expense ac. 5.00 1 5.00 Hail Insurance \$100 7.50 1.5 11.25 Interest on Op. Cap. \$.08 47.90 3.83 Subtotal, Pre-Harvest Harvest: Chemicals ac. 4.00 1 \$ 4.00 Machinery (custom) bale 28.00 1.65 46.20 Ginning bale 24.00 1.65 46.20 Ginning bale 24.00 1.65 39.60 Subtotal, Harvest Total Variable Costs 3. Income Above Variable Costs 4. Fixed Costs: Machinery ac. 5.80 1 \$ 5.80 Tractor (1) hr. 2.81 3.18 8.94 Tractor (2) hr. 7.72 1.13 .81 Irrigation (water & land tax) ac. 25.00 1 25.00 Land Charge (Rent) \$.075 750 56.25 Total Fixed Costs \$ 96.80 5. Total Costs \$ 96.80 5. Total Costs \$ 4.08 Net Return Including Covernment Payment (825 lbs. @ 15c/lb.) 1/ 8. Net Return Including Covernment Payment (825 lbs. @ 15c/lb.) 1/		Total				\$290.40
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Irrigation (water & land tax) ac. 25.00 1 25.00			hr.			
Total Fixed Costs \$.075 750 56.25 Total Fixed Costs \$ 96.80 5. Total Costs \$ 286.32 6. Net Returns \$ 4.08 7. Government Payment (825 lbs. @ 15¢/lb.) 1/ \$123.75		Irrigation (water & land tax) ac.			
Total Fixed Costs \$ 96.80 5. Total Costs \$286.32 6. Net Returns \$ 4.08 7. Government Payment (825 lbs. @ 15¢/lb.) 1/ \$123.75		Land Charge (Rent)	\$.075	750 750	
\$286.32 6. Net Returns 7. Government Payment (825 lbs. @ 15¢/lb.) 1/ 8. Net Return Including Covernment Research		Total Fixed Costs				
7. Government Payment (825 lbs. @ 15¢/lb.) 1/ \$123.75	5.	Total Costs				\$286.32
8. Net Return Including Covernment Description	6.	Net Returns				\$ 4.08
8. Net Return Including Government Payment \$127.83	7.	Government Payment (825 lbs. @	15¢/1b.) <u>1</u> /			\$123.75
	8.	Net Return Including Government	t Payment			\$127.83

 $[\]underline{1}$ / Based on planted acres. No allowance for set-aside acreage of 20%. DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

New, 1972

UPLAND COTTON, IRRIGATED, EL PASO REGION
Estimated Costs, And Requirements Per Acre of Upland Cotton, 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 Stalks	1,3	Jan	1	.50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.31	•25	.19	.35
Plow	1,5	Jan	1	.31	•25	.21	.27
Disc	1,4	Feb	1	.31	.25	.19	.35
Float	1,6	Feb	2	1.00	.80	.20	1.04
List	1,7	Feb	1	.25	.20	.08	.16
Mulch	1,8	Feb	2	.84	.67	1.73	1.54
Fertilize	2	Mar	1	.31	.25	-	-
Cultivate	2,10	Apr	1	.15	.12	.11	.98
Herbicide	2,11	Apr	1	•25	.20	.14	.18
Plant	2,9	May	1.2	.30	.24	.19	.15
Cultivate	2,10	May-Jui	n 2	.40	.32	.29	.39
Cultivate	1,9	Jun-Aug	g 3	.45	<u>.36</u>	.28	.23
Tota1				5.38	4.31	\$ 3.69	\$ 5.80
Irrigation:							
Preplant			1	1.00			
Postplant			5	<u>5.00</u>			

6.00

Total

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

UPLAND COTTON, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Upland Cotton, Typical Management

	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from production	on:			
	Lint	1b.	\$.30	700	\$210.00
	Seed	ton	65.00	.56	36.40
	Total				\$246.40
2.	Variable Costs:				
	Pre-Harvest:		15.00	•	
	Seed Fertilize (120-60-0)	cwt.	15.00	.36	\$ 5.40
	Herbicide	ac. qt.	10.80 6.25	1	10.80
	Machinery	ac.	1.53	1	6.25 1.53
	Tractor (1)	hr.	1.54	4.12	6.34
	Tractor (2)	hr.	.65	.57	.37
	Labor, Tractor	hr.	2.00	5.88	11.76
	Labor, Hoeing	hr.	1.30	6.00	7.80
	Labor, Irrigation	hr.	1.50	6.00	9.00
		application	3.25	6.00	19.50
	Pickup Expense	ac.	5.00	1	5.00
	Hail Insurance	\$100	7.50	1.5	11.25
	Interest on Op. Cap. Subtotal, Pre-Harvest	\$.08	47.50	3.80 \$ 98.80
	Harvest:				
	Chemicals	ac.	4.00	1	\$ 4.00
	Machinery (custom)	bale	28.00	1.4	39.20
	Ginning	bale	24.00	1.4	33.60
	Subtotal, Harvest				\$ 76.80
	Total Variable Costs				\$175.60
3.	Income Above Variable Costs				\$ 70.80
4.	Fixed Costs:				
	Machinery	ac.	3.45	1	\$ 3.45
	Tractor (1)	hr.	2.14	4.12	8.82
	Tractor (2)	hr.	.72	.57	.41
	Irrigation (water & land tax		25.00	1	25.00
	Land Charge (Rent)	\$.075	750	56.25
	Total Fixed Costs				\$ 93.93
5.	Total Costs				\$269.53
6.	Net Returns				\$(23.13)
7.	Government Payment (700 lbs. @	15¢/1b.) <u>1</u> /	,		\$105.00
3.	Net Return Including Governmen	t Payment			\$ 81.87

^{1/} Based on planted acres. No allowance for set-aside acreage of 20%.

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

New, 1972

Estimated Costs, And Requirements Per Acre Of Upland Cotton, Typical Management

Locimated oost	o, mu	redutt eme	incs re	I ACLE	or obrang co	cton, Typica.	r 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 Stalks	1,3	Jan	1	.50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.38	.30	.05	.16
Plow	1,5	Feb	1	.63	.50	.17	.15
Disc	1,4	Feb	1	.38	.30	.05	.16
Float	1,6	Feb	2	1.13	.90	.23	1.17
List	1,7	Mar	1	.31	.25	.10	.13
Fertilize	2	Apr	1	.31	.25	-	-
Disc	1,4	Apr	1	.38	.30	•05	.16
List	1,7	Apr	1	.31	.25	.10	.13
Herbicide	1,12	Apr	1	.25	.20	.14	.18
Plant	1,10	May	1.2	.30	.24	.11	.40
Cultivate	2,8	Jun	2	.40	.32	.17	.23
Cultivate	1,11	Jul-Aug	g 4	.60	48	28	42
Total				5.88	4.69	\$ 1.53	\$ 3.45
Irrigation:							
Preplant			1	1.00			
Postplant			5	5.00			
Total				6.00			

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

GRAIN SORGHUM, IRRIGATED, EL PASO REGION

Estimated Costs And Returns Per Acre Of Grain Sorghum, High Level Management

20, 2-30	Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1.	Gross receipts, from productio	n: cwt.	¢ 2.25	50	4110 50
	orarii borgiraiii	CWL.	\$ 2.25	50	\$112.50
2.	Variable Costs:				
	Pre-Harvest:				
	Seed	1ь.	.17	8	\$ 1.36
	Fertilize (100-50-0)	ac.	9.00	1	9.00
	Machinery	ac.	1.17	ī	1.17
	Tractor (1)	hr.	1.89	1.98	3.74
	Tractor (2)	hr.	.65	.24	.16
	Labor, Tractor	hr.	2.00	2.77	5.54
	Labor, Irrigation	hr.	1.50	4.00	6.00
	Pickup Expense	ac.	5.00	1	5.00
	Insecticide (custom)	application	3.00	1	3.00
	Interest on Op. Cap.	\$.08	17.49	1.40
	Subtotal, Pre-Harvest				\$ 36.37
	Harvest:				
	Machinery (custom)	ac.	7.00	1	\$ 7.00
	Haul	cwt.	.10	50	
	Subtotal, Harvest		•10	50	$\frac{5.00}{$12.00}$
					γ 12.00
	Total Variable Costs				\$ 48.37
3.	Income Above Variable Costs				\$ 64.13
4.	Fixed Costs:				
	Machinery	ac.	3.56	1	¢ 2.50
	Tractor (1)	hr.	2.81	1	\$ 3.56
	Tractor (2)	hr.	.72	.24	5.56
	Irrigation (water & land tax)	ac.	25.00	1	.17 25.00
	Land Charge (Rent)	\$.075	750	56.25
	Total Fixed Costs				\$ 90.54
5.	Total Costs				\$138.91
5.	Net Returns				\$(26.41)
					Y(20.41)

Estimated Costs, And Requirements Per Acre Of Grain Sorghum, 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 Stalks	1,3	Dec	1	.50	.40	\$.08	\$.16
Disc	1,4	Dec	1	.31	.25	.19	.35
Float	1,6	Jan	1	• 50	.40	. 20	•52
List	1,7	Feb	1	.25	.20	.08	.16
Mulch	2,10	Apr	1	. 20	.16	.15	.20
Fertilize	2	Apr	1	.31	.25	-	-
Plant	2,9	Jun	1	.25	.20	.16	.13
Cultivate	2,10	Jun	2	.30	.24	.22	1.96
Cultivate	1,9	Jul	1	.15	12	09	80.
Total				2.77	2.22	\$ 1.17	\$ 3.56
Irrigation:							
Preplant			1	1.00			
Postplant			3	3.00			
Total				4.00			

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

GRAIN SORGHUM, IRRIGATED, EL PASO 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.	\$ 2.25	30	\$ 67.50
2.	Variable Costs:				
	Pickup Expense Interest on Op. Cap.	lb. ac. ac. hr. hr. hr. clication ac.	.17 9.00 .83 1.54 .65 2.00 1.50 3.00 5.00 .08	8 1 1.84 .73 3.21 4.00 1 1	\$ 1.36 9.00 .83 2.83 .47 6.42 6.00 3.00 5.00 1.40 \$ 36.31
	Subtotal, Pre-Harvest Harvest: Machinery (custom) Haul Subtotal, Harvest Total Variable Costs	ac. cwt.	7.00 .10	1 30	\$ 7.00 3.00 \$ 10.00 \$ 46.31
3.	Income Above Variable Costs				\$ 21.19
4.	Fixed Costs: Machinery Tractor (1) Tractor (2) Irrigation (water and land tax) Land Charge (Rent) Total Fixed Costs	ac. hr. hr. ac. \$	1.93 2.14 .72 25.00 .075	1 1.84 .73 1 750	\$ 1.93 3.94 .53 25.00 56.25 \$ 87.65
5.	Total Costs				\$123.96
6.	Net Returns				\$(56.46)

GRAIN SORGHUM, IRRIGATED, EL PASO REGION

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

						, -) F	
Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, 0il, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred Stalks	1,3	Jan	1	. 50	.40	\$.08	\$.16
Disc	1,4	Jan	1	.3,8	.30	.05	.16
Float	1,6	Feb	1	.56	.45	.12	.59
List	1,7	Mar	1	.31	.25	.10	.13
Cultivate	2,8	Mar	1	.20	.16	.08	.12
Fertilize	2	Apr	1	.31	.25	-	-
Plant	1,10	Jun	1	.25	. 20	.09	.33
Cultivate	2,8	Jun	2	.40	.32	.17	.23
Cultivate	1,11	Ju1	2	30	.24	.14	.21
Total				3.21	2.57	\$.83	\$ 1.93
Irrigation:	·						
Prepla nt			1	1.00			
Postplant			3	3.00			
Total				4.00			

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