



## TEXAS ROLLING PLAINS I

### FOREWORD

The enterprise budgets for Rollings Plains I are based on yields as shown on form 05000600. Budgets for irrigated crops in Rolling Plains I area were developed only for alfalfa and coastal since almost no irrigation is used on other crops.

Pertinent facts include the following: the "high level" managers use mostly 6-row equipment and farm 1,000 acres of cropland, while the "typical" manager uses 4-row equipment and farms about 600 acres of cropland. Budgets for irrigated crops in Rolling Plains I are based on sprinkler irrigation.

The following customary rent arrangements were used:

**Cotton**—One-fourth of production and landlord pays one-fourth of insecticide, fertilizer

and ginning.

**Vegetables**—One-fifth production and landlord pays one-fifth of insecticide, fertilizer, fungicide, harvesting and processing.

**All Other Crops**—One-third of production and landlord pays one-third of fertilizer and harvest. Landlord's share of hay baling is based on 30¢ per bale when renter owns and operates his own equipment.

Income from government payments is shown after the landlord's share has been deducted for rent. For information on groundwater resources and soils for these areas, consult the Area Resources Section of the Rolling Plains Economic Program Report.

TEXAS ROLLING PLAINS I

## Assumed Prices Paid And Received By Farmers

Item	Unit	Price
<u>Prices Paid</u>		
Seed:		
Cotton (Di-Syston treated)	cwt.	\$ 19.50
Cotton (delinted)	cwt.	15.00
Grain Sorghum	cwt.	21.00
Guar	cwt.	9.00
Wheat (cleaned and treated)	bu.	2.50
Alfalfa	cwt.	#1 40.00
Forage Sorghum Ensilage	cwt.	21.00
Sudan	cwt.	20.00
Custom Rates:		
Combining wheat	ac.	3.00 <u>2/</u>
Combining grain sorghum	ac.	3.50
Combining guar	ac.	4.00
Hay harvest, Mow, rake, bale, haul	bale	.35
Ensilage, Chop, haul, pack	ton	3.00
Hauling:		
Grain sorghum	cwt.	.10
Guar	cwt.	.10
Wheat	bu.	.05 <u>3/</u>
Chemical spraying	ac.	1.00
Hoeing	hr.	1.50
Cotton ginning	500# gross wt. bale	20.30 <u>4/</u>
Fuel and lubricants:		
Gasoline	gal.	.27
L. P. gas	gal.	.11
Diesel fuel	gal.	.15
Motor oil (heavy duty, detergent)	gal.	1.50
Lubricant	lb.	.21
Fertilizer (bulk):		
Nitrogen	lb.	.095
Phosphorus	lb.	.075
Labor (except hoeing)	hr.	2.00
Capital	\$	.08
Chemicals:		
Pre-emergence herbicide	5 gal.	110.00
Methyl parathion	gal.	5.25
Malathion	gal.	11.00
Hail insurance (wheat)	ac.	2.00

TEXAS ROLLING PLAINS I

## Assumed Prices Paid And Received By Farmers

Item	Unit	Price
<u>Prices Received</u>		
Cotton	lb. Lint	\$ .185 <u>5/</u>
Guar	cwt.	5.00
Cotton seed	ton	58.00
Wheat	bu.	1.18 <u>5/</u>
Grain sorghum	cwt.	2.00 <u>5/</u>
Alfalfa hay	ton	40.00
Forage sorghum hay	ton	25.00
Ensilage	ton	8.00
Coastal hay	ton	25.00
Pasture grazing	AUM	8.00
Potatoes	cwt.	2.75

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- 1/ These price assumptions are not to be interpreted as predictions or prospective prices.
- 2/ \$3.00 per acre plus \$0.05 per bushel of yield over 20 bushels per acre.
- 3/ Hauling-combine to elevator \$0.05/bu. + \$0.005/bu./mi. over 5 miles.
- 4/ Ginning, \$14.30; bagging and tying, \$6.00.
- 5/ Does not include government payment which a farmer might receive for participating in farm programs.

TEXAS ROLLING PLAINS I

05000510

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 <u>3/</u>	Fuel, Oil, Lub., Rep., Per Hr. <u>4/</u>
Tractor, 100 HP	21	\$11,500	5	\$6,015	4,500	\$1.34	\$ .75	\$1.58
Tractor, 80 HP	22	8,000	8	4,896	6,400	.77	.56	1.24
Tractor, 45 HP	23	3,500	12	3,500	8,000	.44	.21	.67
Lister, Planter, 6R	24	1,800	8	1,343	1,200	1.12	.60	1.38
Cultivator, 6R	25	1,600	8	1,194	1,600	.75	.40	.86
Tandem Disc, 16'	26	1,600	8	1,194	1,600	.75	.40	.56
Offset Disc	27	2,000	8	1,492	1,600	.93	.50	.69
Chisel, 17'	28	1,000	8	746	1,600	.47	.25	.53
Moldboard, 5 Btm.	29	2,000	8	1,492	1,600	.93	.50	.69
Rolling Cultivator	30	1,700	8	1,268	1,600	.79	.43	.91
Grain Drill, 16'8"	31	1,600	10	1,274	1,200	1.06	.64	.44
Shredder, 4R	32	1,400	8	1,044	1,000	1.04	.56	.77
Swather, S.P.	34	7,000	5	4,312	1,500	2.87	1.29	5.47
Baler	35	3,000	5	2,022	1,500	1.35	.53	1.26
Stripper & Basket	36	5,400	5	3,640	1,600	2.27	.89	1.84
Float	37	1,500	10	1,194	1,000	1.19	.72	.32
Oneway, 15'	38	1,800	10	1,343	1,500	.90	.60	.63
Sandfigher, 8R	39	300	10	215	1,000	.21	.12	.30
Bale Accumulator & Front End Loader	40	3,000	10	1,800	3,000	.60	.56	.40

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

2/ Assumes straight line depreciation.

3/ (Investment + Salvage) ÷ 2 (8%) divided by annual hours of use.

4/ Fuel, oil, lubrication, repair cost estimate taken from Bowers, Modern Concepts of Farm Machinery Management.



TEXAS ROLLING PLAINS I

## Estimated Irrigation 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>
Irrigation Equipment - 200 gallon/minute well, sprinkler								
Well, 1100 ft., 75 ft. lift	47	\$ 1,200	20	\$1,200	43,000	\$ .028	\$ .022	\$ .002
Motor, 15 HP, Elec.	48	500	4	500	8,560	.058	.009	.258
Pump	49	800	10	800	19,260	.047	.017	.011
Electric Panel	50	150	16	150	34,000	.004	.003	.001
Sprinkler System	51	2,800	10	2,800	21,400	<u>.131</u>	<u>.052</u>	<u>.294</u>
Total						\$ .268	\$ .103	\$ .566

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

2/ Assumes straight line depreciation.

3/ (Investment + Salvage) ÷ 2 (8%) divided by annual hours of use.

4/ Fuel, oil, lubrication, repair cost estimate taken from Bowers, Modern Concepts of Farm Machinery Management.

TEXAS ROLLING PLAINS I

05000520

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 <u>3/</u>	Fuel, Oil, Lub., Rep., Per Hr. <u>4/</u>
Tractor, 100 HP	1	\$10,000	5	\$5,230	4,500	\$1.16	\$ .66	\$1.37
Tractor, 80 HP	2	8,000	8	4,896	6,400	.77	.56	1.24
Tractor, 45 HP	3	3,500	12	3,500	8,000	.44	.21	.67
Lister, Planter 4R	4	1,200	8	895	1,200	.74	.40	.92
Cultivator 4R	5	1,000	8	746	1,600	.47	.25	.53
Tandem Disc 13'	6	1,400	8	1,044	1,600	.65	.35	.49
Chisel 13'	7	800	8	597	1,600	.37	.20	.43
Moldboard 4 Btm.	8	1,400	8	1,044	1,600	.65	.35	.49
Shredder 2R	9	350	8	261	1,000	.26	.14	.19
Swather, Pull	10	2,500	5	1,540	1,500	1.03	.46	1.96
Baler	14	3,000	5	2,022	1,500	1.35	.53	1.26
Stripper	15	3,600	5	2,426	1,500	1.62	.64	1.31
Grain Drill 13' 10"	16	1,300	10	1,035	1,200	.86	.52	.35
Oneway 12'	17	1,400	10	1,114	1,500	.74	.45	.49
Sandfighter 8R	18	300	10	215	1,000	.21	.12	.30
Knife 4R	19	800	10	597	1,200	.50	.33	.38

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

2/ Assumes straight line depreciation.

3/ (Investment + Salvage) ÷ 2 (8%) divided by annual hours of use.

4/ Fuel, oil, lubrication, repair cost estimate taken from Bowers, Modern Concepts of Farm Machinery Management.

TEXAS ROLLING PLAINS I

## Estimated Irrigation 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>
Irrigation Equipment - 200 gallon/minute well, sprinkler								
Well, 1100 ft., 75 ft. lift	47	\$ 1,200	20	\$1,200	43,000	\$ .028	\$ .022	\$ .002
Motor, 15 HP, Elec.	48	500	4	500	8,560	.058	.009	.258
Pump	49	800	10	800	19,260	.047	.017	.011
Electric Panel	50	150	16	150	34,000	.004	.003	.001
Sprinkler System	51	2,800	10	2,800	21,400	<u>.131</u>	<u>.052</u>	<u>.294</u>
Total						\$ .268	\$ .103	\$ .566

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

2/ Assumes straight line depreciation.

3/ (Investment + Salvage) ÷ 2 (8%) divided by annual hours of use.

4/ Fuel, oil, lubrication, repair cost estimate taken from Bowers, Modern Concepts of Farm Machinery Management.

TEXAS ROLLING PLAINS I

Yield Per Acre For Typical And High Level Management

Crop	Unit	<u>Irrigated</u>		<u>Dryland</u>	
		Typical	High Level	Typical	High Level
Alfalfa	tons	6.5	8.0	2.5	3.5
Cotton	lbs.*	-	-	175	225
Silage	tons*	-	-	10	15
Wheat	bu.*	-	-	20	30
Guar	lbs.*	-	-	600	1000
Coastal	tons	7	10	-	-

\*Almost no acreage irrigated at the present time. Alfalfa receives 85-90 percent of irrigation water.



ALFALFA ESTABLISHMENT, IRRIGATED, ROLLING PLAINS I  
Estimated 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.	\$ .40	25	\$ 10.00
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Machinery	ac.	.78	1	.78
Tractor (21)	hr.	1.58	1.29	2.03
Tractor (22)	hr.	1.24	.50	.62
Labor, Tractor & Machinery	hr.	2.00	2.06	4.12
Labor, Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac.	1.16	1	1.16
Interest on Op. Cap.	\$	.08	11.86	.95
Total Variable Costs				\$ 24.68
3. Fixed Costs:				
Machinery	ac.	2.14	1	\$ 2.14
Tractor (21)	hr.	2.09	1.29	2.69
Tractor (22)	hr.	1.33	.50	.66
Irrigation	ac.	1.78	1	1.78
Total Fixed Costs				\$ 7.27
4. Total Costs				\$ 31.95
5. Less Landlord's share Fertilizer	ac.	1.01	1	\$ -1.01
6. Total Cost				\$ 30.94

ALFALFA ESTABLISHMENT, IRRIGATED, ROLLING PLAINS IEstimated 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
Moldboard	21,29	July	.75	.71	.57	\$ .39	\$ .82
Offset Disc	21,27	Aug.	1	.38	.30	.20	.42
Float	22,37	Aug-Sep	11	.35	.28	.09	.53
Fertilize	21	Sep-Oct	1	.35	.28	-	-
Drill	22,26	Sep-Oct	1	<u>.27</u>	<u>.22</u>	<u>.10</u>	<u>.37</u>
Total				2.06	1.65	\$ .78	\$2.14
Irrigation	47-51	Sep-Nov	1	1.00	3.25	\$1.16	\$1.78

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

ALFALFA, IRRIGATED, ROLLING PLAINS I

## 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	\$ 40.00	8	\$320.00
2. Variable Costs:				
Pre-Harvest:				
1/8 Establishment Cost	ac.	3.87	1	\$ 3.87
Fertilizer (200 lbs., 0-46-0)	ac.	6.90	1	6.90
Tractor (22)	hr.	1.24	.10	.12
Labor, Tractor & Machinery	hr.	2.00	.20	.40
Labor, Irrigation	hr.	2.00	5.0	10.00
Irrigation Machinery	ac.	5.84	1	5.84
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	14.56	1.16
Subtotal, Pre-Harvest				\$ 30.29
Harvest:				
Wire	bale	.03	264	\$ 7.92
Machinery	ac.	7.54	1	7.54
Tractor (23)	ac.	1.24	3.5	4.34
Labor	hr.	2.00	5.25	10.50
Subtotal, Harvest				\$ 30.30
Total Variable Costs				\$ 60.59
3. Income Above Variable Costs				\$259.41
4. Fixed Costs:				
Machinery	ac.	7.21	1	\$ 7.21
Tractor (22)	hr.	1.33	3.6	4.79
Irrigation	ac.	8.91	1	8.91
Land Charge (Rent)	ac.	77.22	1	77.22
Total Fixed Costs				\$ 96.13
5. Total Costs				\$158.72
6. Net Returns				\$161.28
7. Government Payments				-
8. Net Return Including Government Payment				\$161.28

ALFALFA, IRRIGATED, ROLLING PLAINS I

Estimated 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	22	Apr	1	.20*	.10	\$ -	\$ -
Swather	22,34	Apr-Sep	5	1.25	1.00	5.47	4.16
Baler	22,35	Apr-Sep	5	2.00*	1.25	1.57	2.35
Accumulator & Front End Loader	22,35	Apr-Sep	5	<u>2.00*</u>	<u>1.25</u>	<u>.50</u>	<u>.70</u>
Total				5.45	3.60	\$ 7.54	\$ 7.21
Irrigation	47-51	Apr-Aug	5	5.00	15.75	\$ 5.84	\$ 8.91

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

ALFALFA ESTABLISHMENT, IRRIGATED, ROLLING PLAINS I

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:				
Pre-Harvest:				
Seed	lb.	\$ .40	25	\$ 10.00
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Machinery	ac.	.78	1	.78
Tractor (1)	hr.	1.37	.50	.68
Tractor (2)	hr.	1.24	.58	.72
Labor, Tractor & Machinery	hr.	2.00	1.34	2.68
Labor, Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac.	1.16	1	1.16
Interest on Op. Cap.	\$	.08	10.52	.84
Total Variable Costs				\$ 21.88
3. Fixed Costs:				
Machinery	ac.	2.40	1	\$ 2.40
Tractor (1)	hr.	1.82	.50	.91
Tractor (2)	hr.	1.33	.58	.77
Irrigation	ac.	1.78	1	1.78
Total Fixed Costs				\$ 5.86
4. Total Costs				\$ 27.74
5. Less Landlord's share of fertilizer				\$ -1.01
6. Total Cost				\$ 26.73

ALFALFA ESTABLISHMENT, IRRIGATED, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of  
Alfalfa Establishment, 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
Chisel	1,7	July	1	.31	.25	\$ .11	\$ .14
Tandem Disc	2,6	Aug	1	.37	.30	.15	.30
Fertilize	2	Aug-Sep	1	.35	.28	-	-
Drill	1,16	Sep-Oct	1	<u>.31</u>	<u>.25</u>	<u>.09</u>	<u>.34</u>
Total				1.34	1.08	\$ .35	\$ .78
Irrigation	47-51	Sep-Nov	1	1.00	3.25	\$ 1.16	\$ 1.78

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

ALFALFA, IRRIGATED, ROLLING PLAINS I

## 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	\$ 40.00	6.5	\$260.00
2. Variable Costs:				
Pre-Harvest:				
1/6 Establishment cost	ac.	4.45	1	\$ 4.45
Fertilizer (100 lbs.-0-46-0)	ac.	3.45	1	3.45
Tractor (2)	hr.	1.24	.1	.12
Labor, Tractor & Machinery	hr.	2.00	.1	.20
Labor, Irrigation	hr.	2.00	5.0	10.00
Irrigation Machinery	ac.	5.84	1	5.84
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	13.30	1.06
Subtotal, Pre-Harvest				\$ 27.12
Harvest:				
Wire	bale	.03	215	\$ 6.45
Machinery	ac.	3.23	1	3.23
Tractor	hr.	1.24	2.12	2.36
Labor, stack on trl.	hr.	2.00	4	8.00
Labor	hr.	2.00	3.31	6.62
Subtotal, Harvest				\$ 26.66
Total Variable Costs				\$ 53.76
3. Income Above Variable Costs				\$206.22
4. Fixed Costs:				
Machinery	ac.	3.67	1	\$ 3.67
Tractor (2)	hr.	1.33	2.22	2.95
Irrigation	ac.	8.91	1	8.91
Land Charge (Rent)	ac.	62.22	1	62.22
Total Fixed Costs				\$ 77.75
5. Total Costs				\$131.53
6. Net Returns				\$128.47
7. Government Payments				-
8. Net Returns Including Government Payment				\$128.47



ALFALFA, IRRIGATED, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of Alfalfa, 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	Apr	1	.20	.10	\$ -	\$ -
Swather	2,10	May-Sep	4	1.00	.80	1.57	1.19
Baler	2,14	May-Sep	4	<u>2.31*</u>	<u>1.32</u>	<u>1.66</u>	<u>2.48</u>
Total				3.51	2.22	\$ 3.23	\$ 3.67
Irrigation	47-51	Apr-Aug	5	5.00	15.75	\$ 5.84	\$ 8.91

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

ALFALFA ESTABLISHMENT, DRYLAND, ROLLING PLAINS IEstimated 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:				
Pre-Harvest:				
Seed	lb.	\$ .40	.20	\$ 8.00
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Machinery	ac.	.29	1	.29
Tractor (21)	hr.	1.58	.63	.99
Tractor (22)	hr.	1.24	.20	.25
Labor, Tractor & Machinery	hr.	2.00	1.04	2.08
Interest on Op. Cap.	\$	.08	7.31	.58
Total Variable Costs				\$ 15.31
3. Fixed Costs:				
Machinery	ac.	.62	1	\$ .62
Tractor (21)	hr.	2.09	.63	1.32
Tractor (22)	hr.	1.33	.20	.27
Total Fixed Costs				\$ 2.21
4. Total Costs				\$ 17.42
5. Less landlord's share of fertilizer ac.		1.01	1	\$ -1.01
6. Government Payments				-
7. Net Returns Including Government Payments				\$ 16.41

ALFALFA ESTABLISHMENT, DRYLAND, ROLLING PLAINS I

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
Chisel	1	July	1	.25	.20	\$ .11	\$ .07
Offset Disc	1	Aug-Sep	1	.19	.15	.10	.21
Fertilize	1	Sep-Oct	1	.35	.28	-	-
Drill	1	Sep-Oct	1	<u>.25</u>	<u>.20</u>	<u>.08</u>	<u>.34</u>
Total				1.04	.83	\$ .29	\$ .62

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

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	\$ 40.00	3.5	\$140.00
2. Variable Costs:				
Pre-Harvest:				
Seed - 1/6 Establishment cost	ac.	2.73	1	\$ 2.73
Fertilizer (0-30-0)	ac.	2.25	1	2.25
Tractor (22)	hr.	1.24	.1	.12
Labor, Hand	hr.	2.00	.12	.24
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	3.67	.29
Subtotal, Pre-Harvest				\$ 7.63
Harvest:				
Custom - Mow, bale, & haul	bale	.35	115	\$ 40.25
Total Variable Costs				\$ 47.88
3. Income Above Variable Costs				\$ 92.12
4. Fixed Costs:				
Tractor (22)	hr.	1.33	.1	\$ .13
Land Charge (Rent)	ac.	32.17	1	32.17
Total Fixed Costs				\$ 32.30
5. Total Costs				\$ 80.18
6. Net Returns				\$ 59.82
7. Government Payments				-
8. Net Return Including Government Payment				\$ 59.82

ALFALFA, DRYLAND, ROLLING PLAINS IEstimated 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	22	Apr	1	.12	.10	\$ -	\$ -

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

ALFALFA ESTABLISHMENT, DRYLAND, ROLLING PLAINS I

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:				
Pre-Harvest:				
Seed	lb.	\$ .40	20	\$ 8.00
Fertilizer	ac.	3.02	1	3.02
Machinery	ac.	.45	1	.45
Tractor (1)	hr.	1.37	.75	1.03
Tractor (2)	hr.	1.24	.58	.72
Labor, Tractor & Machinery	hr.	2.00	1.35	2.70
Interest on Op. Cap.	\$	.08	7.96	.64
Total Variable Costs				\$ 16.56
3. Fixed Costs:				
Machinery	ac.	.92	1	\$ .92
Tractor (1)	hr.	1.82	.75	1.36
Tractor (2)	hr.	1.33	.58	.77
Total Fixed Costs				\$ 3.05
4. Total Costs				\$ 19.61
5. Less landlord's share of fert.	ac.	1.01	1	\$ -1.01
6. Total Cost				\$ 18.60

ALFALFA ESTABLISHMENT, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of  
Alfalfa Establishment, 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
Chisel	1,7	July	1	.31	.50	\$ .21	\$ .28
Tandem Disc	2,6	Aug-Sep	1	.37	.30	.15	.30
Fertilize	2	Sep-Oct	1	.35	.28	-	-
Drill	1,16	Sep-Oct	1	<u>.32</u>	<u>.25</u>	<u>.09</u>	<u>.34</u>
Total				1.35	1.33	\$ .45	\$ .92

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



ALFALFA, DRYLAND, ROLLING PLAINS I

## 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	\$ 40.00	2.5	\$100.00
2. Variable Costs:				
Pre-Harvest:				
1/6 Establishment cost	ac.	3.10	1	\$ 3.10
Fertilizer (0-20-0)	ac.	1.50	1	1.50
Tractor (2)	ac.	1.24	.10	.12
Labor, Tractor & Machinery	hr.	2.00	.12	.24
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	3.48	.28
Subtotal, Pre-Harvest				\$ 7.24
Harvest:				
Custom - Mow, bale & haul	bale	.35	82	\$ 28.70
Total Variable Costs				\$ 35.94
3. Income Above Variable Costs				\$ 64.06
4. Fixed Costs:				
Tractor (2)	ac.	1.33	.10	\$ .13
Land Charge (Rent)	ac.	23.03	1	23.03
Total Fixed Costs				\$ 23.16
5. Total Costs				\$ 59.10
6. Net Returns				\$ 40.90
7. Government Payments				-
8. Net Returns Including Government Payment				\$ 40.90

ALFALFA, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of Alfalfa, 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	Apr	1	.12	.10	\$ -	\$ -

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

COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Coastal  
Bermudagrass Establishment, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. No Income				
2. Variable Costs:				
Pre-Harvest:				
Sprigging (custom)	ac.	\$ 20.00	1	\$ 20.00
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Herbicide	ac.	5.50	1	5.50
Machinery	ac.	.29	1	.29
Tractor (21)	hr.	1.58	.44	.70
Tractor (22)	hr.	1.24	.35	.43
Labor, Tractor & Machinery	hr.	2.00	.79	1.58
Labor, Irrigation	hr.	2.00	2	4.00
Irrigation Machinery	ac.	2.41	1	2.41
Interest on Op. Cap.	\$	.08	18.96	1.52
Total Variable Costs				\$ 39.45
3. Fixed Costs:				
Machinery	ac.	.62	1	\$ .62
Tractor (21)	hr.	2.07	.44	.92
Tractor (22)	hr.	1.33	.35	.46
Irrigation	ac.	3.68	1	3.68
Total Fixed Costs				\$ 5.68
4. Total Costs				\$ 45.13
5. Less Landlord's share of fert.	ac.	1.01	1	\$ -1.01
6. Total Cost				\$ 44.12

COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, ROLLING PLAINS I

Estimated Costs, And Requirements Per Acre Of Coastal  
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
Chisel	1	Jan	1	.25	.20	\$ .11	\$ .07
Offset Disc	1	Feb	1	.19	.15	.10	.21
Fertilize	1	Apr	1	<u>.35</u>	<u>.20</u>	<u>.08</u>	<u>.34</u>
Total				.79	.55	\$ .29	\$ .62
Irrigation	47-51	Apr-Jun	2	2.00	6.50	\$ 2.41	\$ 3.68

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

COASTAL BERMUDAGRASS, IRRIGATED, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Coastal  
Bermudagrass, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Hay	ton	\$ 25.00	10	\$250.00
2. Variable Costs:				
Pre-Harvest:				
Establishing Cost, \$44, 10 yrs.	ac.	4.40	1	\$ 4.40
Fertilizer (411-48-1)	ac.	42.64	1	42.64
Machinery	ac.	.62	1	.62
Tractor (23)	hr.	1.24	.50	.62
Labor, Tractor & Machinery	hr.	2.00	1	2.00
Labor, Irrigation	hr.	2.00	6	12.00
Irrigation Machinery	ac.	7.23	1	7.23
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	35.76	2.86
Subtotal, Pre-Harvest				\$ 74.37
Harvest:				
Custom Operations:				
Mow, bale, haul	bale	.35	334	\$116.90
Total Variable Costs				\$191.27
3. Income Above Variable Costs				\$ 58.73
4. Fixed Costs:				
Machinery	ac.	.66	1	\$ .66
Tractor (23)	hr.	1.33	.50	.67
Irrigation	ac.	11.04	1	11.04
Land Charge (Rent)	ac.	29.85	1	29.85
Total Fixed Costs				\$ 42.22
5. Total Costs				\$233.49
6. Net Returns				\$ 16.51
7. Government Payments				-
8. Net Returns Including Government Payment				\$ 16.51

COASTAL BERMUDAGRASS, IRRIGATED, ROLLING PLAINS I  
Estimated Costs, And Requirements Per Acre Of  
Coastal Bermudagrass, 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
Fertilizer	32	Apr-Aug	5	1.00*	.50	\$ .62	\$ .66
Irrigation	47-51	Apr-Aug	6	6.00	19.50	\$ 7.23	\$11.04

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

COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Coastal  
Bermudagrass Establishment, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. No Income				
2. Variable Costs:				
Pre-Harvest:				
Sprigging (custom)	ac.	\$ 20.00	1	\$ 20.00
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Herbicide	ac.	5.50	1	5.50
Machinery	ac.	.36	1	.36
Tractor (1)	hr.	1.37	.31	.42
Tractor (2)	hr.	1.24	.72	.89
Labor, Tractor & Machinery	hr.	2.00	1	2.00
Labor, Irrigation	hr.	2.00	2	2.00
Irrigation Machinery	hr.	2.41	1	2.41
Interest on Op. Cap.	\$	.08	18.30	1.46
Total Variable Costs				\$ 38.06
3. Fixed Costs:				
Tractor (1)	hr.	1.82	.31	\$ .56
Tractor (2)	hr.	1.33	.72	.96
Irrigation	ac.	3.68	1	3.68
Total Fixed Costs				\$ 5.20
4. Total Costs				\$ 43.26
5. Less landlord's share of fertilizer				\$ -1.01
6. Total Cost				\$ 42.25



COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, ROLLING PLAINS I

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Estimated Costs, And Requirements Per Acre Of Coastal  
Bermudagrass Establishment, 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
Chisel	1,7	Jan	1	.31	.50	\$ .21	\$ .28
Tandem Disc	2,6	Feb	1	.37	.30	.15	.30
Fertilize	2	Apr	1	<u>.35</u>	<u>.28</u>	<u>-</u>	<u>-</u>
Total				1.03	1.08	\$ .36	\$ .58
Irrigation	47,51	Apr-Jun	2	2.00	6.50	\$ 2.41	\$ 3.68

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

COASTAL BERMUDAGRASS, IRRIGATED, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Coastal  
Bermudagrass, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1, Gross receipts, from production:				
Hay	ton	\$ 25.00	7	\$175.00
2. Variable Costs:				
Pre-Harvest:				
Establishing Cost \$42, 10 yrs.	ac.	4.20	1	\$ 4.20
Fertilizer (211-46-0)	ac.	23.49	1	23.49
Machinery	ac.	.49	1	.49
Tractor (2)	hr.	1.24	.40	.50
Labor, Tractor & Machinery	hr.	2.00	.80	1.60
Labor, Irrigation	hr.	2.00	4	8.00
Irrigation Machinery	ac.	4.82	1	4.82
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	22.65	1.81
Subtotal, Pre-Harvest				\$ 46.91
Harvest:				
Custom Operations:				
Mow, bale, haul	bale	.35	231	\$ 80.85
Total Variable Costs				\$127.76
3. Income Above Variable Costs				\$ 47.24
4. Fixed Costs:				
Machinery	ac.	.53	1	\$ .53
Tractor (2)	hr.	1.33	.40	.53
Irrigation	ac.	7.36	1	7.36
Land Charge (Cash Rent)	ac.	23.32	1	23.32
Total Fixed Costs				\$ 31.74
5. Total Costs				\$159.50
6. Net Returns				\$ 15.50
7. Government Payments				-
8. Net Return Including Government Payment				\$ 15.50

COASTAL BERMUDAGRASS, IRRIGATED, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of  
Coastal Bermudagrass, 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	Apr-Aug	4	.80*	.40	\$ .49	\$ .53
Irrigation	47-51	Apr-Aug	4	4.00	13.00	\$ 4.82	\$ 7.36

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

COTTON, DRYLAND, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Cotton, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production: <u>1/</u>				
Lint	lb.	\$ .185	225	\$ 41.62
Seed	ton	58.00	.27	15.66
Total				\$ 57.28
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .195	15	\$ 2.92
Fertilizer (33-0-0)	ac.	3.13	1	3.13
Machinery	ac.	1.64	1	1.64
Tractor (21)	hr.	1.58	1.19	1.88
Tractor (22)	hr.	1.24	.72	.89
Tractor (23)	hr.	.67	.12	.08
Labor, Tractor & Machinery	hr.	2.00	2.52	5.04
Labor, Hand (hoe)	hr.	1.50	1	1.50
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	9.54	.76
Subtotal, Pre-Harvest				\$ 19.84
Harvest:				
Labor	hr.	2.00	.50	\$ 1.00
Tractor (2)	hr.	1.24	.25	.31
Hauling, ginning B/T	bale	20.30	.45	9.13
Subtotal, Harvest				\$ 10.44
Total Variable Costs				\$ 30.28
3. Income Above Variable Costs				\$ 27.00
4. Fixed Costs:				
Machinery	ac.	2.31	1	\$ 2.31
Tractor (21)	hr.	2.09	1.19	2.49
Tractor (22)	hr.	1.33	.97	1.29
Tractor (23)	hr.	.65	.12	.08
Land Charge (Rent)	ac.	11.25	1	11.25
Total Fixed Costs				\$ 17.42
5. Total Costs				\$ 47.70
6. Net Returns				\$ 9.58
7. Government Payments, less rent (.15/lb. x 225 lbs.) <u>2/</u>				\$ 25.31
8. Net Return Including Government Payment				\$ 34.89

1/ 450 pounds on acre of cotton.2/ Based on planted acres. No allowance is made for set-aside acreage of 20%.

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COTTON, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of 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	23,32	Nov-Dec	1	.12	.10	\$ .07	\$ .16
Offset Disc	21,27	Nov-Dec	1	.19	.15	.10	.21
Moldboard	21,29	Dec-Jan	.3	.29	.23	.16	.33
Chisel	21,28	Dec-Jan	.7	.17	.14	.07	.10
Fertilize	22	Mar	1	.35	.28	-	-
Tandem Disc	21,26	Mar	.3	.10	.08	.09	.05
List	21,24	Mar-Apr	1	.27	.22	.31	.38
Plant	21,24	May-Jun	1.2	.27	.22	.31	.38
Sandfight	23,39	May-Jun	1	.02	.02	.01	.01
Rolling Cult.	21,30	Jun	1	.19	.15	.14	.18
Cultivate	22,25	Jun-Aug	2	<u>.55</u>	<u>.44</u>	<u>.38</u>	<u>.51</u>
Total				2.52	2.03	\$ 1.64	\$ 2.31
Harvest Strip	22,36	Nov-Dec	1	.50	.25	\$ .46	\$ .79

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

COTTON, DRYLAND, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production: <u>1/</u>				
Lint	lb.	\$ .185	175	\$ 32.37
Seed	ton	58.00	.21	12.18
Total				\$ 44.55
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .15	15	\$ 2.25
Machinery	ac.	1.33	1	1.33
Tractor (1)	hr.	1.37	1.69	2.32
Tractor (2)	hr.	1.24	.60	.74
Tractor (3)	hr.	.67	.35	.23
Labor, Tractor & Machinery	hr.	2.00	3.27	6.54
Labor, Hand	hr.	1.50	2.00	3.00
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	9.21	.74
Subtotal, Pre-Harvest				\$ 19.15
Harvest:				
Labor	hr.	2.00	.75	\$ 1.50
Machinery	ac.	.33	1	.33
Tractor (2)	hr.	1.24	.25	.31
Ginning, B/T	bale	20.30	.35	7.10
Subtotal, Harvest				\$ 9.24
Total Variable Costs				\$ 28.39
3. Income Above Variable Costs				\$ 16.16
4. Fixed Costs:				
Machinery	ac.	2.69	1	\$ 2.69
Tractor (1)	hr.	1.82	1.69	3.08
Tractor (2)	hr.	1.33	.85	1.13
Tractor (3)	hr.	.65	.35	.23
Land Charge (Rent)	ac.	9.36	1	9.36
Total Fixed Costs				\$ 16.49
5. Total Costs				\$ 44.88
6. Net Returns				\$ (.33)
7. Government Payments, Less Rent (.15/lb. x 175 lbs.) <u>2/</u>				\$ 19.69
8. Net Return Including Government Payment				\$ 19.36

1/ 350 pounds on acre of cotton.2/ Based on planted acres. No allowance is made for set-aside acreage of 20%.

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COTTON, DRYLAND, ROLLING PLAINS I

## Estimated 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	3,9	Nov-Dec	1	.41	.33	\$ .06	\$ .13
Tandem Disc	2,6	Dec-Jan	1	.37	.30	.15	.30
Moldboard	1,8	Dec-Jan	.3	.17	.14	.07	.14
Chisel	1,7	Dec-Jan	.7	.37	.30	.13	.17
Tandem Disc	2,6	Mar	.3	.12	.10	.05	.10
List	1,4	Mar-Apr	1	.31	.25	.23	.33
Plant	1,4	May-Jun	1	.31	.25	.23	.33
Sandfight	3,18	May-Jun	1	.02	.02	.01	.01
Knife	2,19	Jun	1	.25	.20	.08	.17
Cultivate	1,5	Jun-Aug	3	<u>.94</u>	<u>.75</u>	<u>.32</u>	<u>.45</u>
Total				3.27	2.64	\$ 1.33	\$ 2.13

Harvest Strip	2,15	Nov-Dec	1	.75	.25	\$ .33	\$ .56
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(1) Labor hours calculated at 1.25 times tractor hours except where noted by \*.

FORAGE SORGHUM SILAGE, DRYLAND, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of  
Forage Sorghum Silage, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Silage, 15 tons green weight- 25% shrink	ton	\$ 8.00	11.25	\$ 90.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .21	10	\$ 2.10
Fertilizer (60-0-0)	ac.	5.70	1	5.70
Machinery	ac.	1.64	1	1.64
Tractor (21)	hr.	1.58	1.19	1.88
Tractor (22)	hr.	1.24	.72	.89
Tractor (23)	hr.	.67	.12	.08
Labor, Tractor & Machinery	hr.	2.00	2.52	5.04
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	9.67	.77
Subtotal, Pre-Harvest				\$ 20.10
Harvest:				
Chop, haul, pack	ton	3.00	15	\$ 45.00
Total Variable Costs				\$ 65.10
3. Income Above Variable Costs				\$ 24.90
4. Fixed Costs:				
Machinery	ac.	2.31	1	\$ 2.31
Tractor (21)	hr.	2.09	1.19	2.49
Tractor (22)	hr.	1.33	.72	.96
Tractor (23)	hr.	.65	.12	.08
Land Charge (Rent)	ac.	12.97	1	12.97
Total Fixed Costs				\$ 18.81
5. Total Costs				\$ 83.91
6. Net Returns				\$ 6.09
7. Government Payments				-
8. Net Return Including Government Payment				\$ 6.09



FORAGE SORGHUM SILAGE, DRYLAND, ROLLING PLAINS I

Estimated Costs, And Requirements Per Acre Of  
Forage Sorghum 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	23,32	Dec	1	.12	.10	\$ .07	\$ .16
Offset Disc	21,27	Jan	1	.19	.15	.10	.21
Moldboard	21,29	Jan-Feb	.3	.29	.23	.16	.33
Chisel	21,28	Jan-Feb	.7	.17	.14	.07	.10
Fertilize	22	Mar-Apr	1	.35	.28	-	-
Tandem Disc	21,26	Mar-Apr	.3	.10	.08	.09	.05
List	21,24	Mar-Apr	1	.27	.22	.31	.38
Plant	21,24	May	1.2	.27	.22	.31	.38
Sandfight	23,39	May-Jun	1	.02	.02	.01	.01
Rolling Cult.	21,30	May-Jun	1	.19	.15	.14	.18
Cultivate	22,25	Jun-Aug	2	<u>.55</u>	<u>.44</u>	<u>.38</u>	<u>.51</u>
Total				2.52	2.03	\$ 1.64	\$ 2.31

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

FORAGE SORGHUM SILAGE, DRYLAND, ROLLING PLAINS I

Estimated Costs And Returns Per Acre Of  
Forage Sorghum Silage, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Silage, 10 tons green weight, 25% shrink	ton	\$ 8.00	7.5	\$ 60.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .21	10	\$ 2.10
Fertilizer (40-0-0)	ac.	3.80	1	3.80
Machinery	ac.	1.27	1	1.27
Tractor (1)	hr.	1.37	1.44	1.97
Tractor (2)	hr.	1.24	.88	1.09
Tractor (3)	hr.	.67	.35	.23
Labor, Tractor & Machinery	hr.	2.00	3.30	6.60
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	9.53	.76
Subtotal, Pre-Harvest				\$ 19.82
Harvest:				
Chop, haul, pack	ton	3.00	10	\$ 30.00
Total Variable Costs				\$ 49.82
3. Income Above Variable Costs				\$ 10.18
4. Fixed Costs:				
Machinery	ac.	2.04	1	\$ 2.04
Tractor (1)	hr.	1.82	1.44	2.62
Tractor (2)	hr.	1.33	.88	1.17
Tractor (3)	hr.	.65	.35	.23
Land Charge (Rent)	ac.	8.65	1	8.65
Total Fixed Costs				\$ 14.71
5. Total Costs				\$ 64.53
6. Net Returns				\$ (4.53)
7. Government Payments				-
8. Net Return Including Government Payment				\$ (4.53)

FORAGE SORGHUM SILAGE, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of  
Forage Sorghum Silage, 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	3,9	Dec	1	.41	.33	\$ .06	\$ .13
Tandem Disc	2,6	Jan	1	.37	.30	.15	.30
Moldboard	1,8	Jan-Feb	.3	.17	.14	.07	.14
Chisel	1,7	Jan-Feb	.7	.37	.30	.13	.17
Fertilize	2	Mar-Apr	1	.35	.28	-	-
Tandem Disc	2,6	Mar-Apr	.3	.12	.10	.05	.10
List	1,4	Mar-Apr	1	.31	.25	.23	.33
Plant	1,4	May	1.2	.31	.25	.23	.33
Sandfight	3,18	May-Jun	1	.02	.02	.01	.01
Knife	2,19	May-Jun	1	.25	.20	.08	.17
Cultivate	1,5	Jun-Aug	2	<u>.62</u>	<u>.50</u>	<u>.26</u>	<u>.36</u>
Total				3.30	2.67	\$ 1.27	\$ 2.04

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

GUAR, DRYLAND, ROLLING PLAINS IEstimated Costs And Returns Per Acre Of Guar, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Guar Beans	cwt.	\$ 5.00	10	\$ 50.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .09	5	\$ .45
Machinery	ac.	1.50	1	1.50
Tractor (21)	hr.	1.58	1.11	1.75
Tractor (22)	hr.	1.24	.44	.55
Tractor (23)	hr.	.67	.04	.03
Labor, Tractor & Machinery	hr.	2.00	1.96	3.92
Labor, Hand (hoe)	hr.	1.50	1	1.50
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	5.85	.47
Subtotal, Pre-Harvest				\$ 12.17
Harvest:				
Combine	ac.	4.00	1	\$ 4.00
Hauling	cwt.	.10	10	1.00
Subtotal, Harvest				\$ 5.00
Total Variable Costs				\$ 17.17
3. Income Above Variable Costs				\$ 32.85
4. Fixed Costs:				
Machinery	ac.	1.97	1	\$ 1.97
Tractor (21)	hr.	2.09	1.11	2.32
Tractor (22)	hr.	1.33	.44	.58
Tractor (23)	hr.	.65	.04	.03
Land Charge (Rent)	hr.	14.85	1	14.85
Total Fixed Costs				\$ 19.75
5. Total Costs				\$ 36.92
6. Net Returns				\$ 13.08
7. Government Payments				-
8. Net Return Including Government Payment				\$ 13.08

GUAR, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of Guar, 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	21,29	Dec	.3	.29	.23	\$ .16	\$ .33
Chisel	21,28	Jan-Feb	1.4	.34	.28	.14	.20
Tandem Disc	21,26	Mar	.3	.10	.08	.09	.05
List	21,24	Mar-Apr	1	.27	.22	.31	.38
Rolling Cult.	21,30	Apr	1	.19	.15	.14	.18
Sandfight	23,39	May	2	.04	.04	.02	.02
Plant	21,24	Jun	1.1	.27	.22	.31	.38
Rolling Cult.	21,30	Jun	1	.19	.15	.14	.18
Cultivate	22,36	Jul	1	<u>.27</u>	<u>.22</u>	<u>.19</u>	<u>.25</u>
Total				1.96	1.59	\$ 1.50	\$ 1.97

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

GUAR, DRYLAND, ROLLING PLAINS I

## Estimated Costs And Returns Per Acre Of Guar, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Guar Beans	cwt.	\$ 5.00	6	\$ 30.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	\$ .09	8	\$ .72
Machinery	ac.	1.09	1	1.09
Tractor (1)	hr.	1.37	1.49	2.04
Tractor (2)	hr.	1.24	.50	.62
Tractor (3)	hr.	.67	.04	.03
Labor, Tractor & Machinery	hr.	2.00	2.5	5.00
Labor, Hand	hr.	1.50	2	3.00
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	7.25	.58
Subtotal, Pre-Harvest				\$ 15.08
Harvest:				
Materials:				
Combine	ac.	4.00	1	\$ 4.00
Hauling	cwt.	.10	6	.60
Subtotal, Harvest				\$ 4.60
Total Variable Costs				\$ 19.68
3. Income Above Variable Costs				\$ 10.32
4. Fixed Costs:				
Machinery	ac.	1.75	1	\$ 1.75
Tractor (1)	hr.	1.82	1.49	2.71
Tractor (2)	hr.	1.33	.50	.67
Tractor (3)	hr.	.65	.04	.03
Land Charge (Rent)	ac.	8.48	1	8.48
Total Fixed Costs				\$ 13.64
5. Total Costs				\$ 33.32
6. Net Returns				\$ (3.32)
7. Government Payments				-
8. Net Return Including Government Payment				\$ (3.32)

GUAR, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of Guar, 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	1,8	Dec	.3	.17	.14	\$ .03	\$ .14
Chisel	1,7	Jan-Feb	1.4	.74	.60	.26	.34
Tandem Disc	2,6	Mar	.3	.12	.10	.05	.10
List	1,4	Mar-Apr	1	.31	.25	.23	.33
Sandfight	3,18	May	2	.04	.04	.02	.02
Knife	2,19	Apr	1	.25	.20	.08	.17
Plant	1,4	Jun	1.1	.31	.25	.23	.33
Knife	2,19	Jun	1	.25	.20	.08	.17
Cultivate	1,5	Jul	1	<u>.31</u>	<u>.25</u>	<u>.11</u>	<u>.15</u>
Total				2.50	2.03	\$ 1.09	\$ 1.75

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

WHEAT, DRYLAND, ROLLING PLAINS I

## Estimated Costs And Returns Per Acre Of Wheat, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Wheat	bu.	\$ 1.18	30	\$ 35.40
Grazing	AUM	8.00	.6	4.80
Total				\$ 40.20
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	\$ 2.50	.75	\$ 1.87
Fertilizer (49-20-0)	ac.	6.15	1	6.15
Machinery	ac.	.41	1	.41
Tractor (21)	hr.	1.58	.88	1.39
Tractor (22)	hr.	1.24	.48	.60
Labor, Tractor & Machinery	hr.	2.00	1.7	3.40
Crop Insurance	ac.	2.00	1	2.00
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	8.91	.71
Subtotal, Pre-Harvest				\$ 18.53
Harvest:				
Custom Operations:				
Combine	ac.	3.00	1	\$ 3.00
Hauling	bu.	.05	30	1.50
Subtotal, Harvest				\$ 4.50
Total Variable Costs				\$ 23.03
3. Income Above Variable Costs				\$ 17.17
4. Fixed Costs:				
Machinery	ac.	.62	1	\$ .62
Tractor (21)	hr.	2.09	.88	1.84
Tractor (22)	hr.	1.33	.48	.64
Land Charge (Rent)	ac.	9.75	1	9.75
Total Fixed Costs				\$ 12.85
5. Total Costs				\$ 35.88
6. Net Returns				\$ 4.32
7. Government Payments, Less Rent (\$1.57/bu x 30 bu.) <sup>1/</sup>				\$ 35.32
8. Net Return Including Government Payment				\$ 39.64

<sup>1/</sup> Based on planted acres. No allowance is made for set-aside acreage of 75%.

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AECO 6



WHEAT, DRYLAND, ROLLING PLAINS IEstimated Costs, And Requirements Per Acre Of Wheat, 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
Chisel	21,28	Jun-Aug	2	.50	.40	\$ .22	\$ .14
Sweep	21,28	Jul-Sep	1	.25	.20	.11	.14
Fertilize	21	Aug-Sep	1	.35	.28	-	-
Drill	22,31	Sep-Nov	1	.25	.20	.08	.34
Fertilize	22	Feb	1	<u>.35</u>	<u>.28</u>	<u>-</u>	<u>-</u>
Total				1.70	1.36	\$ .41	\$ .62

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

WHEAT, DRYLAND, ROLLING PLAINS IEstimated 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.	\$ 1.18	20	\$ 23.60
Grazing	AUM	8.00	.4	<u>3.20</u>
Total				\$ 26.80
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	2.50	.75	\$ 1.87
Fertilizer (16-20-0)	ac.	3.02	1	3.02
Machinery	ac.	.42	1	.42
Tractor (1)	hr.	1.37	1	1.37
Tractor (2)	hr.	1.24	.28	.35
Labor, Tractor & Machinery	hr.	2.00	1.68	3.36
Crop Insurance	ac.	2.00	1	2.00
Pickup Expense	ac.	2.00	1	2.00
Interest on Op. Cap.	\$	.08	7.19	<u>.57</u>
Subtotal, Pre-Harvest				\$ 14.96
Harvest:				
Custom Operations:				
Combine	ac.	3.00	1	\$ 3.00
Hauling	bu.	.05	20	<u>1.00</u>
Subtotal, Harvest				\$ 4.00
Total Variable Costs				\$ 18.96
3. Income Above Variable Costs				\$ 7.84
4. Fixed Costs:				
Machinery	ac.	.92	1	\$ .92
Tractor (1)	hr.	1.82	1	1.82
Tractor (2)	hr.	1.33	.28	.37
Land Charge (Rent)	ac.	6.53	1	<u>6.53</u>
Total Fixed Costs				\$ 9.64
5. Total Costs				\$ 28.60
6. Net Returns				\$ (1.80)
7. Government Payments, Less Rent (\$1.57/bu. x 20 bu.) <u>1/</u>				\$ 23.55
8. Net Return Including Government Payment				\$ 21.75

1/ Based on planted acres. No allowance is made for set-aside acreage of 75%.

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WHEAT, DRYLAND, ROLLING PLAINS IEstimated 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
Oneway	1,17	Jun-Aug	1	.31	.25	\$ .12	\$ .30
Chisel or Sweep	1,7	Jul-Sep	2	.62	.50	.21	.28
Fertilize	2	Aug-Sep	1	.35	.28	-	-
Drill	1,16	Sep-Nov	1	<u>.40*</u>	<u>.25</u>	<u>.09</u>	<u>.34</u>
Total				1.68	1.28	\$ .42	\$ .92

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

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Lint	lb.	\$ .20	700	\$140.00
Cottonseed	ton	60.00	.6	36.00
Total				\$176.00
2. Variable Costs:				
Pre-Harvest:				
Custom Deep Break <u>1/</u>	ac.	14.00	.2	\$ 2.80
Seed	lb.	.21	27	5.67
Fertilizer (60-40-0)	ac.	6.00	1	6.00
Herbicide	ac.	4.19	1	4.19
Machinery	ac.	2.32	1	2.32
Tractor (1)	hr.	1.48	1.5	2.22
Tractor (2)	hr.	1.38	.8	1.10
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	3.1	6.20
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	8.54	.9	7.69
Interest on Op. Cap.	mo.	.085	4	1.42
Subtotal, Pre-Harvest				\$ 51.41
Harvest:				
Strip Machinery	ac.	1.82	1	\$ 1.82
Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	1.4	30.10
Subtotal, Harvest				\$ 33.92
Total Variable Costs				\$ 85.33
3. Income Above Variable Costs				\$ 90.67
4. Fixed Costs:				
Machinery	ac.	9.41	1	\$ 9.41
Tractor (1)	hr.	1.72	1.5	2.58
Tractor (2)	hr.	1.19	.8	.95
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	20.73	1	20.73
Total Fixed Costs				\$ 49.99
5. Total Costs				\$135.32
6. Net Returns				\$ 40.68
7. Government Payment (\$.15/lb. x yield less rent) <u>2/</u>				\$ 78.75
8. Net Return Including Government Payment				\$119.43

1/ Assumes deep breaking every five years.

2/ Based on planted acres. No allowance made for set-aside acreage of 20%.

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AECO 6

COTTON, IRRIGATED, HIGH PLAINS IV

## Estimated Costs, And Requirements Per Acre Of 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 & Disc	1,4,5	Dec	1	.41	.33	\$ .40	\$ .62
Moldboard	1,6	Feb	.8	.50	.40	.20	.40
Tandem Disk	2,5	Jan-Feb	1.2	.38	.30	.21	.28
Apply & Inc. Herbicide	1,5,8	Mar	2	.63	.50	.48	.62
List & Fertilize	1,9	Apr	1	.38	.30	.38	.62
Plant	2,9	May	1.5	.47	.38	.49	.78
Sandfight	3,14	May-Jun	2	.12	.10	.02	.02
Cultivate	2,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				3.08	2.46	\$ 2.32	\$ 3.52
Strip	18,19	Nov	1	1.00*	.50	\$ 1.82	\$ 5.89
Irrigation: (20							
Preplant		Apr.	1	.25*		\$ 3.12	\$ 5.00
Postplant		Jun-Aug	3	<u>.57*</u>		<u>7.02</u>	<u>11.25</u>
Total				.82*		\$10.14	\$16.25

- (1) Labor hours calculated at 1.25 times tractor hours except where noted by \*.
- (2) See attached irrigation cost sheet. Assumed at 600 GPM feet well, sprinkler irrigation, natural gas pumping unit, 4 acre-inches preplant and 3 acre-inches at each postplant.

COTTON, IRRIGATED, HIGH PLAINS IVEstimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Lint	lb.	\$ .20	500	\$100.00
Cottonseed	ton	60.00	.4	24.00
Total				<u>\$124.00</u>
2. Variable Costs:				
Pre-Harvest:				
Custom Deep Break <u>1/</u>	ac.	14.00	.14	\$ 1.96
Seed	lb.	.21	27	5.67
Fertilizer (60-40-0)	ac.	6.00	1	6.00
Herbicide	ac.	4.19	1	4.19
Machinery	ac.	2.26	1	2.26
Tractor (1)	hr.	1.48	1.7	2.52
Tractor (2)	hr.	1.38	.7	.97
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	3.3	6.60
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	8.54	.6	5.12
Interest on Op. Cap.	mo.	.085	4	1.34
Subtotal, Pre-Harvest				<u>\$ 48.56</u>
Harvest:				
Strip Machinery	ac.	1.82	1	\$ 1.82
Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	1	21.50
Subtotal, Harvest				<u>\$ 25.32</u>
Total Variable Costs				\$ 73.88
3. Income Above Variable Costs				\$ 50.12
4. Fixed Costs:				
Machinery	ac.	9.39	1	\$ 9.39
Tractor (1)	hr.	1.72	1.7	2.92
Tractor (2)	hr.	1.19	.7	.83
Tractor (3)	hr.	.72	.3	.22
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	10.08	1	<u>10.08</u>
Total Fixed Costs				\$ 39.69
5. Total Costs				\$113.57
6. Net Returns to Management				\$ 10.43
7. Government Payment (\$.15/lb. x yield less rent) <u>2/</u>				\$ 50.02
8. Net Return Including Government Payment				\$ 60.45

1/ Assumes deep breaking every seven years.

2/ Based on planted acres. No allowance made for required set-aside acreage of 20%.

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AECO 6

## Estimated 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 & Disc	1,4,5	Dec	1	.41	.33	\$ .40	\$ .62
Moldboard	1,6,15	Feb	.84	.53	.42	.23	.54
Tandem Disk	2,5	Jan-Feb	1.14	.35	.29	.21	.26
Fertilize	3	Mar	1	.25	.20	-	-
Tandem Disk	2,5	Mar	1	.31	.25	.18	.23
Apply & Inc. Herbicide	1,5,8	Mar	1	.31	.25	.24	.31
List	1,9	Apr	1	.34	.27	.35	.56
Plant	1,9	May	1.50	.47	.38	.49	.78
Sandfight	3,14	May-Jun	2	.12	.10	.02	.02
Cultivate	2,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				3.28	2.64	\$ 2.26	\$ 3.50
Strip	18,19	Nov	1	1.00*	.50	\$ 1.82	\$ 5.89
Irrigation: (2)							
Preplant		Apr	1	.25*		\$ 3.12	\$ 5.00
Postplant		Jun-Aug	3	<u>.57*</u>		<u>7.02</u>	<u>11.25</u>
Total				.82*		\$10.14	\$16.25

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

(2) See attached irrigation cost sheet. Assumed at 600 GPM, 250 feet well, sprinkler irrigation, natural gas pumping unit, 4 acre-inches preplant and 3 acre-inches at each postplant.

COTTON, DRYLAND, HIGH PLAINS IVEstimated Costs And Returns Per Acre Of Cotton, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Lint	lb.	\$ .20	325	\$ 65.00
Cottonseed	ton	60.00	.3	18.00
Total				\$ 83.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	18	\$ 3.78
Fertilizer (30-20-0)	ac.	3.00	1	3.00
Herbicide	ac.	4.19	1	4.19
Machinery	ac.	2.13	1	2.13
Tractor (1)	hr.	1.48	1.7	2.52
Tractor (2)	hr.	1.38	.4	.55
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.8	3.60
Crop Insurance	\$100	9.11	.4	3.64
Interest on Op. Cap.	mo.	.085	4	.67
Subtotal, Pre-Harvest				\$ 24.14
Harvest:				
Strip Machinery	ac.	1.82	1	\$ 1.82
Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	.7	15.05
Subtotal, Harvest				\$ 18.87
Total Variable Costs				\$ 43.01
3. Income Above Variable Costs				\$ 39.99
4. Fixed Costs:				
Machinery	ac.	9.32	1	\$ 9.32
Tractor (1)	hr.	1.72	1.7	2.92
Tractor (2)	hr.	1.19	.4	.48
Tractor (3)	hr.	.72	.1	.07
Land Charge	ac.	15.19	1	15.19
Total Fixed Costs				\$ 27.98
5. Total Costs				\$ 70.99
6. Net Returns to Management				\$ 12.01
7. Government Payment (\$.15/cwt. x yield less rent) <sup>1/</sup>				\$ 36.56
8. Net Return Including Government Payment				\$ 48.57

<sup>1/</sup> Based on planted acres. No allowance is made for required set-aside acreage of 20%.



## Estimated Costs, And Requirements Per Acre Of 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 & Disc	1,4,5	Jan	1	.41	.33	\$ .40	\$ .62
Moldboard	1,6,15	Feb	1	.63	.50	.27	.64
Tandem Disc	2,5	Mar	1	.31	.25	.18	.23
List & Fertilize	1,9	Mar	1.25	.47	.38	.49	.78
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant	1,4	May	1.5	.47	.38	.49	.78
Sandfight	2,3, & 14	Jun	2	.12	.10	.02	.02
Cultivate	1,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				2.79	2.24	\$ 2.13	\$ 3.43
Strip	18,19	Nov	1	1.00*	.50	\$ 1.82	\$ 5.89

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

COTTON, DRYLAND, HIGH PLAINS IVEstimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Lint	lb.	\$ .20	250	\$ 50.00
Cottonseed	ton	60.00	.2	12.00
Total				<u>\$ 62.00</u>
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	18	\$ 3.78
Herbicide	ac .	4.19	1	4.19
Machinery	ac.	2.05	1	2.05
Tractor (1)	hr.	1.48	1.7	2.52
Tractor (2)	hr.	1.38	.3	.41
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.6	5.20
Crop Insurance	\$100	9.11	.3	2.73
Interest on Op. Cap.	mo.	.085	4	.59
Subtotal, Pre-Harvest				<u>\$ 21.53</u>
Harvest:				
Strip Machinery	ac.	1.82	1	\$ 1.82
Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	.5	10.75
Subtotal, Harvest				<u>\$ 14.57</u>
Total Variable Costs				\$ 36.10
3. Income Above Variable Costs				\$ 25.90
4. Fixed Costs:				
Machinery	ac.	9.22	1	\$ 9.22
Tractor (1)	hr.	1.72	1.7	2.92
Tractor (2)	hr.	1.19	.3	.36
Tractor (3)	hr.	.72	.1	.07
Land Charge	ac.	10.81	1	<u>10.81</u>
Total Fixed Costs				\$ 23.38
5. Total Costs				\$ 59.48
6. Net Returns to Management				\$ 2.52
7. Government Payment (\$.15/lb. x yield less rent) <u>1/</u>				\$ 28.12
8. Net Return Including Government Payment				<u>\$ 30.64</u>

1/ Based on planted acres. No allowance is made for required set-aside acreage of 20%.

COTTON, DRYLAND, HIGH PLAINS IVEstimated 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 & Disc	1,4,5	Dec	1	.41	.33	\$ .40	\$ .62
Moldboard	1,6,15	Feb	1	.63	.50	.27	.64
Tandem Disc	2,5	Mar	1	.31	.25	.18	.23
List	1,9	Mar	1.25	.47	.38	.49	.78
Cultivate	2,13	Apr	.50	.10	.08	.07	.09
Plant	1,4	May	1.50	.47	.38	.49	.78
Sandfight	2,3 & 15	Jun	1	.06	.05	.01	.01
Cultivate	1,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				2.64	2.12	\$ 2.05	\$ 3.33
Strip	18,19	Nov	1	1.00*	.50	\$ 1.82	\$ 5.89

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

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain	cwt.	2.00	45	\$ 90.00
2. Variable Costs:				
Pre-Harvest:				
Custom Deep Break <u>1/</u>	ac.	14.00	.2	\$ 2.80
Seed	lb.	.21	12	2.52
Fertilizer (80-40-0)	ac.	6.80	1	6.80
Herbicide	ac.	2.50	1	2.50
Machinery	ac.	1.42	1	1.42
Tractor (1)	hr.	1.48	1.2	1.78
Tractor (2)	hr.	1.38	.8	1.10
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.6	5.20
Labor Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac. in.	.78	16	12.48
Crop Insurance	\$100	4.09	.5	2.05
Interest on Op. Cap.	mo.	.085	4	1.15
Subtotal, Pre-Harvest				\$ 41.86
Harvest:				
Combine	cwt.	.15	45	\$ 6.75
Haul	cwt.	.10	45	4.50
Subtotal, Harvest				\$ 11.25
Total Variable Costs				\$ 53.11
3. Income Above Variable Costs				\$ 36.89
4. Fixed Costs:				
Machinery	ac.	2.23	1	\$ 2.23
Tractor (1)	hr.	1.72	1.2	2.06
Tractor (2)	hr.	1.19	.8	.95
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac. in.	1.25	16	20.00
Land Charge	ac.	7.15	1	7.15
Total Fixed Costs				\$ 32.46
5. Total Costs				\$ 85.57
6. Net Returns to Management				\$ 4.43
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) <u>2/</u>				\$ 7.80
8. Net Return Including Government Payment				\$ 12.23

1/ Assumes deep breaking every five years.

2/ Based on planted acres. No allowance is made for required set-aside acreage of 20 percent. Assumes planting 100 percent of the allotment.

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New, 1972

## 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
Tandem Disc	1,5	Jun	1	.31	.25	\$ .18	\$ .23
Moldboard	1,6	Feb	.8	.50	.40	.20	.40
Tandem Disc	2,5	Jan-Feb	1.2	.38	.30	.21	.28
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Plant	2,9	May	1.2	.38	.30	.38	.62
Sandfight	3,14	May-Jun	2	.12	.10	.02	.02
Spray Herbicide	2,8	Jun	1	.25	.20	.05	.06
Sidedress Fertilizer	1	Jun	1	<u>.25</u>	<u>.20</u>	<u>-</u>	<u>-</u>
Total				2.57	2.05	\$ 1.42	\$ 2.23

## Irrigation: (2)

Preplant	Apr	1	.25*		\$ 3.12	\$ 5.00
Postplant	Jun-Aug	4	<u>.76*</u>		<u>9.36</u>	<u>15.00</u>
Total			1.01*		\$12.48	\$20.00

- (1) Labor hours calculated at 1.25 times tractor hours except where noted by \*.
- (2) See attached irrigation cost sheet. Assumed at 600 GPM, 250 feet well, sprinkler irrigation, natural gas pumping unit, 4 acre-inches preplant and 3 acre-inches at each postplant.

GRAIN SORGHUM, IRRIGATED, HIGH PLAINS IV

## 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	cwt.	\$ 2.00	35	\$ 70.00
2. Variable Costs:				
Pre-Harvest:				
Custom Deep Break <u>1/</u>	ac.	14.00	.14	\$ 1.96
Seed	lb.	.21	12	2.52
Fertilizer (60-40-0)	ac.	6.00	1	6.00
Herbicide	ac.	2.50	1	2.50
Machinery	ac.	1.40	1	1.40
Tractor (1)	hr.	1.48	1	1.48
Tractor (2)	hr.	1.38	.8	1.10
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.3	4.60
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	4.09	.4	1.64
Interest on Op. Cap.	mo.	.085	4	.99
Subtotal, Pre-Harvest				\$ 35.99
Harvest:				
Combine	cwt.	.15	35	\$ 5.25
Haul	cwt.	.10	35	3.50
Subtotal, Harvest				\$ 8.75
Total Variable Costs				\$ 44.74
3. Income Above Variable Costs				\$ 25.26
4. Fixed Costs:				
Machinery	ac.	2.29	1	\$ 2.29
Tractor (1)	hr.	1.72	1	1.72
Tractor (2)	hr.	1.19	.8	.95
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	4.58	1	4.58
Total Fixed Costs				\$ 25.86
5. Total Costs				\$ 70.60
6. Net Returns to Management				\$ (.60)
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) <u>2/</u>				\$ 6.07
8. Net Return Including Government Payment				\$ 5.47

1/ Assumes deep breaking every seven years.2/ Based on planted acres. No allowance is made for required set-aside acreage of 20%. Assumes planting 100 percent of the allotment.

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AFECO 6

## 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
Tandem Disc	1,5	Jan	1	.31	.25	\$ .18	\$ .23
Moldboard	1,6,15	Feb	.84	.53	.42	.23	.54
Tandem Disc	2,5	Jan-Feb	1.14	.35	.29	.21	.26
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Plant	2,9	May	1.20	.38	.30	.38	.62
Sandfight	3,14	May-Jun	2	.12	.10	.02	.02
Spray Herbicide	2,8	Jun	1	<u>.25</u>	<u>.20</u>	<u>-</u>	<u>-</u>
Total				2.32	1.86	\$ 1.40	\$ 2.29

## Irrigation: (2)

Preplant	Apr	1	.25*		\$ 3.12	\$ 5.00
Postplant	Jun-Aug	3	<u>.57*</u>		<u>7.20</u>	<u>11.25</u>
Total			.82*		\$10.14	\$16.25

- (1) Labor hours calculated at 1.25 times tractor hours except where noted by \*.
- (2) See attached irrigation cost sheet. Assumed at 600 GPM, 250 feet well, sprinkler irrigation, natural gas pumping unit, 4 acre-inches preplant and 3 acre-inches at each postplant.

GRAIN SORGHUM, DRYLAND, HIGH PLAINS IVEstimated Costs And Returns Per Acre Of Grain Sorghum, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain	cwt.	\$ 2.00	12	\$ 24.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	3	\$ .63
Fertilize (30-0-0)	ac.	1.20	1	1.20
Machinery	ac.	1.18	1	1.18
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.3	.41
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	1.8	3.60
Crop Insurance	\$100	6.63	.1	.66
Interest on Op. Cap.	mo.	.085	4	.27
Subtotal, Pre-Harvest				\$ 9.64
Harvest:				
Combine	ac.	3.50	1	\$ 3.50
Haul	cwt.	.10	12	1.20
Subtotal, Harvest				\$ 4.70
Total Variable Costs				\$ 14.34
3. Income Above Variable Costs				\$ 9.66
4. Fixed Costs:				
Machinery	ac.	1.78	1	\$ 1.78
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.3	.36
Tractor (3)	hr.	.72	.1	.07
Land Charge	ac.	6.03	1	6.03
Total Fixed Costs				\$ 10.13
5. Total Costs				\$ 24.47
6. Net Returns to Management				\$ (.47)
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) <u>1/</u>				\$ 2.08
8. Net Return Including Government Payment				\$ 1.61

1/ Based on planted acres. No allowance is made for required set-aside acreage of 20%. Assumes planting 100 percent of the allotment.



GRAIN SORGHUM, DRYLAND, HIGH PLAINS IVEstimated 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
Chisel	1,7	Mar	2	.62	.50	\$ .22	\$ .29
Tandem Disc	1,5	Apr	1	.31	.25	.18	.23
List & Fertilize	2,9	Apr	1	.38	.30	.38	.62
Plant	1,9	May	1.25	.38	.30	.38	.62
Sandfight	2,3 & 14	Jun	2	<u>.12</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				1.81	1.45	\$ 1.18	\$ 1.78

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

## 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	cwt.	\$ 2.00	10	\$ 20.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	3	\$ .63
Machinery	ac.	1.18	1	1.18
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.3	.41
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	1.8	3.60
Crop Insurance	\$100	6.63	.1	.66
Interest on Op. Cap.	mo.	.085	4	.23
Subtotal, Pre-Harvest				\$ 8.40
Harvest:				
Combine	ac.	3.50	1	\$ 3.50
Haul	cwt.	.10	10	1.00
Subtotal, Harvest				\$ 4.50
Total Variable Costs				\$ 12.90
3. Income Above Variable Costs				\$ 7.10
4. Fixed Costs:				
Machinery	ac.	1.78	1	\$ 1.78
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.3	.36
Tractor (3)	hr.	.72	.1	.07
Land Charges	ac.	5.17	1	5.17
Total Fixed Costs				\$ 9.27
5. Total Costs				\$ 22.17
6. Net Returns to Management				\$ (2.17)
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) <sup>1/</sup>				\$ 1.73
8. Net Return Including Government Payment				\$ (.44)

<sup>1/</sup> Based on planted acres. No allowance is made for required set-aside acreage of 20%. Assumes planting 100 percent of the allotment.

GRAIN SORGHUM, DRYLAND, HIGH PLAINS IV

04095221

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
Chisel	1,7	Mar	2	.62	.50	\$ .22	\$ .29
Tandem Disc	1,5	Apr	1	.31	.25	.18	.23
List	2,9	Apr	1	.38	.30	.38	.62
Plant	1,9	May	1.25	.38	.30	.38	.62
Sandfight	2,3 & 14	Jun	2	<u>.12</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				1.81	1.45	\$ 1.18	\$ 1.78

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

TEXAS HIGH PLAINS IVAssumed Prices Paid And Received By Farmers

Item	Unit	Price
<u>Prices Paid</u>		
Seed:		
Cotton	cwt.	\$ 21.00
Grain Sorghum	cwt.	21.00
Wheat	bu.	2.50
Alfalfa	cwt.	50.00
Corn	cwt.	30.00
Sorghum Sudan	cwt.	20.00
Soybean	cwt.	5.00
Switchgrass	cwt.	135.00
Western Wheatgrass	cwt.	85.00
Midland Bermuda (sprigs)	bu.	.50
Castors	cwt.	33.00
Southern Peas	cwt.	15.50
Custom Rates:		
Combining southern peas	ac.	6.00
Harvest castors	cwt.	.75 <u>2/</u>
Combining wheat	ac.	3.00 <u>3/</u>
Combining grain sorghum	cwt.	.15 <u>4/</u>
Hay harvest		
swath, bale, and haul	bale	.45
Hauling		
grain sorghum, castors & southern peas	cwt.	.10
soybean	cwt.	.08
wheat	bu.	.05
Chemical spraying	ac.	1.25
Cotton ginning	500#	
	gross wt. bale	21.50
Fuel and lubricants:		
Gasoline	gal.	.20
L. P. gas	gal.	.11
Diesel fuel	gal.	.155
Motor oil (heavy duty detergent)	gal.	1.05
Lubricant	lb.	.39
Fertilizer (bulk):		
Nitrogen - anhydrous	lb.	.04
Nitrogen - nitrate	lb.	.08
Phosphorus	lb.	.09
Potash	lb.	.05
Labor (except hoeing)	hr.	2.00
Hoeing	hr.	1.50
Capital	\$	.085
Chemicals:		
Pre-emergence herbicide	5 gal.	110.00
Methyl parathion	gal.	5.25
Malathion	gal.	11.00

TEXAS HIGH PLAINS IV

## Assumed Prices Paid And Received By Farmers

Item	Unit	Price
Hail Insurance:		
Cotton - irrigated	\$100	\$ 8.54
Cotton - dryland	\$100	9.11
Grain Sorghum - irrigated	\$100	4.09
Grain Sorghum - dryland	\$100	6.63
Wheat - irrigated	\$100	10.20
Wheat - dryland	\$100	11.15
Castors	\$100	8.36
<u>Prices Received</u>		
Cotton	lb. lint	.20 <u>5/</u>
Cotton seed	ton	60.00
Wheat	bu.	1.30 <u>5/</u>
Grain Sorghum	cwt.	2.00 <u>5/</u>
Alfalfa hay	ton	20.00 <u>6/</u>
Forage sorghum hay	ton	20.00
Ensilage - corn	ton	5.50
Pasture grazing	AUM	12.00
Corn	bu.	1.15 <u>5/</u>
Soybeans	bu.	2.50
Southern peas	cwt.	6.00
Castors	cwt.	5.50

- 1/ These price assumptions are not be interpreted as predictions or prospective prices.
- 2/ Minimum charge of \$10.00 per acre
- 3/ \$3.00 per acre plus \$0.05 per bushel of yield over 20 bushels per acre.
- 4/ Minimum charge of \$3.50 per acre
- 5/ Does not include government payment which a farmer might receive for participating in farm programs.
- 6/ Sold standing in field to alfalfa cuber operator.

TEXAS HIGH PLAINS IV

04000500

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 Hour <u>4/</u>
Tractor, 100 HP	1	\$10,500	5	\$5,492	5,000	\$1.10	\$ .62	\$ 1.48
Tractor, 80 HP	2	8,000	10	5,304	8,000	.66	.53	1.38
Tractor, 45 HP	3	3,500	12	3,500	7,200	.49	.23	.63
Shredder, 4R	4	1,400	8	1,044	1,500	.70	.37	.59
Tandem Disk 13'	5	1,600	8	1,194	2,000	.60	.32	.70
Moldboard Plow, 4B	6	1,400	8	1,044	1,600	.65	.35	.49
Chisel 13'	7	800	8	597	1,600	.37	.20	.43
Herbicide Spray Rig	8	500	10	400	2,000	.20	.12	.26
Lister-Planter	9	1,800	8	1,343	1,000	1.34	.72	1.28
Float	10	1,500	10	1,194	1,000	1.19	.72	.32
Flex Planter	11	580	5	375	1,000	.38	.16	.39
Grain Drill, 16'	12	1,600	10	1,274	1,200	1.06	.64	.44
(2) Rolling								
Cultivator 6R	13	1,700	8	1,268	1,600	.79	.43	.91
(2) Sandfighter	14	300	10	215	2,000	.11	.06	.10
Clod Buster	15	385	12	350	2,000	.18	.10	.05
Tool Bar 6R	16	200	12	175	2,000	.09	.05	.05
8-6 Wells & Equip. <u>5/</u>	17							
Cotton Stripper	18	9,000	10	6,957	1,500	4.64	2.95	2.89
(9) Cotton Trailers	19	4,500	12	4,000	1,500	2.67	1.51	.74

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

2/ Assumes straight line depreciation.

3/ (Investment & Salvage) ÷ 2 x .08 divided by annual hours of use.

4/ Fuel, oil lubrication, repair cost estimate taken from Bowers, Modern Concepts of Farm Machinery Management.

5/ See attached Irrigation Costs Analysis.

TEXAS HIGH PLAINS IV

## Yield Per Acre For Typical And High Level Management

Crop	Unit	<u>Irrigated</u>		<u>Dryland</u>	
		Typical	High Level	Typical	High Level
Alfalfa	tons	6.5	8.5	-	-
Castorbeans	cwt.	15	20	-	-
Cotton	lbs.	500	700	250	325
Grain Sorghum	cwt.	35	45	10	12
Permanent Pasture	AUM	6.5	10	-	-
Southern Peas	cwt.	13	17	-	-
Wheat	bu.	30	35	12	-