



03000300

TEXAS HIGH PLAINS III

FOREWORD

Enterprise budgets were developed for all of the crops that are produced on at least 1 percent of the cropped land in the mixed lands soil resource area. This area includes Bailey, Borden, Cochran, Dawson, Garza, Hockley, Lamb, Lubbock and Lynn counties.

All budgets on irrigated crops reflect the assumption of adequate supplies of underground irrigation water to obtain optimum production. All crops except corn were assumed irrigated by sprinkler systems. Most of the corn in this area is produced in Lamb and Bailey counties; hence, the budgets for corn are applicable specifically to these two counties.

The enterprise budgets developed for High Plains III were based on the following assumed organizations.

	Irrigated (acres)	Dryland (acres)
Farm size	800	1600
Cotton allotment	265	530
Feed grain base	400	800
Other cropland	135	270

The machinery inventory (03000500) is applicable to all situations since no difference in equipment was found between high level and average managers, and dryland units of approximately twice the size of irrigated farms have similar equipment inventories.

All calculations of government payments and comments concerning set-aside requirements are

based on the 1971 farm program. All government payments indicated herein are net of normal crop share rent.

Land charges were calculated as the landlords share of the gross income less his proportionate share of the variable inputs, if applicable, and 80 percent of the fixed cost on the irrigation system. Normal crop share rentals in this area provide for the landlord to pay a portion of the cost of chemicals and the harvest on most crops. The exceptions in these budgets are alfalfa and permanent pasture where the landlord pays none of the costs of the variable inputs. A flat land charge of \$20 per acre was used for the establishment of both alfalfa and permanent pasture. In one instance, permanent pasture typical management, the land charge calculated as $\frac{1}{4}$ of the gross return less 80 percent of the fixed cost on the irrigation system was negative. In this case, a land charge of zero was used. The following crop shares were assumed.

Crop	Landlord's Share
Cotton	$\frac{1}{4}$
Grain sorghum	$\frac{1}{3}$
Corn	$\frac{1}{4}$
Wheat	$\frac{1}{3}$
Forage sorghum	$\frac{1}{3}$
Soybeans	$\frac{1}{4}$
Alfalfa	$\frac{1}{4}$
Permanent pasture	$\frac{1}{4}$
Southern peas	$\frac{1}{3}$

TEXAS HIGH PLAINS III

Assumed 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 $\frac{2}{4}$
Combining wheat	ac.	3.00 $\frac{3}{4}$
Combining grain sorghum	cwt.	.15 $\frac{4}{4}$
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 III

Assumed Prices Paid And Received By Farmers

Item	Unit	Price
Hail Insurance:		
Cotton - irrigated	\$100	\$ 13.38
Cotton - dryland	\$100	11.27
Grain Sorghum - irrigated	\$100	6.88
Grain Sorghum - dryland	\$100	6.21
Wheat - irrigated	\$100	12.60
Wheat - dryland	\$100	12.70
Corn	\$100	8.31
Soybeans	\$100	15.03

Prices Received

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 to 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 III

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 Cost Analysis.

TEXAS HIGH PLAINS III

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	-	-
Corn	bu.	100	140	-	-
Corn Silage	tons	20	27	-	-
Cotton	lbs.	600	750	300	375
Forage Sorghum For Grazing	AUM	4.5	6	2.5	-
Grain Sorghum	cwt.	55	67	12	18
Permanent Pasture	AUM	6	12	-	-
Southern Peas	cwt.	-	-	5	-
Soybeans	bu.	35	42	-	-
Wheat	bu.	35	50	18	22

TEXAS HIGH PLAINS III

Estimated Costs Of Irrigation Water

Well Depth feet	GPM	Distribution System	Power 1/ Source	Per Acre Inch				
				Operating Cost 2/ dollars	Fixed Cost 3/ dollars	Labor Requirement hrs.	Labor Cost dollars	Total Cost dollars
150	75	h.m sprinkler	electricity	.77	1.63	.211	.37	2.77
		Sidemove-tow	electricity	1.07	1.91	.047	.08	3.08
200	100	h.m sprinkler	electricity	.89	1.63	.211	.37	2.89
		skid tow line	electricity	.97	1.83	.063	.11	2.91
	150	h.m sprinkler	electricity	.83	1.24	.211	.37	2.44
		skid tow line	electricity	.91	1.44	.063	.11	2.46
	250	side roll	nat. gas	.75	1.43	.063	.11	2.29
		furrow	nat. gas	.42	.98	.123	.22	1.62
	400	side roll	nat. gas	.75	1.27	.063	.11	2.13
		s. propelled	nat. gas	.42	.98	.123	.22	1.62
	600	furrow	nat. gas	.46	.82	.123	.22	1.50
		side roll	nat. gas	.75	1.18	.063	.11	2.04
	800	s. propelled	nat. gas	1.13	1.29	.022	.04	2.46
		furrow	nat. gas	.44	.73	.123	.22	1.39
	800	side roll	nat. gas	.74	1.11	.063	.11	1.96
		s. propelled	nat. gas	1.11	1.22	.022	.04	2.37
	800	furrow	nat. gas	.44	.66	.123	.22	1.32
250	300	side roll	nat. gas	.78	1.45	.063	.11	2.34
		furrow	nat. gas	.50	1.00	.123	.22	1.72
	400	side roll	nat. gas	.77	1.36	.063	.11	2.24
		s. propelled	nat. gas	1.14	1.48	.022	.04	2.66
	600	furrow	nat. gas	.46	.92	.123	.22	1.60
		side roll	nat. gas	.78	1.25	.063	.11	2.14
	800	s. propelled	nat. gas	1.15	1.37	.022	.04	2.56
		furrow	nat. gas	.46	.81	.123	.22	1.49
	800	side roll	nat. gas	.77	1.19	.063	.11	2.07
		s. propelled	nat. gas	1.12	1.31	.022	.04	2.47
	800	furrow	nat. gas	.46	.75	.123	.22	1.43
300	400	side roll	nat. gas	.79	1.47	.063	.11	2.37
		s. propelled	nat. gas	1.16	1.57	.022	.04	2.77
	600	furrow	nat. gas	.48	1.01	.123	.22	1.71
		side roll	nat. gas	.80	1.33	.063	.11	2.24
	800	s. propelled	nat. gas	1.15	1.45	.022	.04	2.64
		furrow	nat. gas	.48	.88	.123	.22	1.58
	1000	side roll	nat. gas	.78	1.26	.063	.11	2.15
		s. propelled	nat. gas	1.14	1.37	.022	.04	2.55
	1000	furrow	nat. gas	.48	.81	.123	.22	1.51
		side roll	nat. gas	.77	1.24	.063	.11	2.12
	1000	s. propelled	nat. gas	1.13	1.36	.022	.04	2.53
		furrow	nat. gas	.47	.80	.123	.22	1.49

TEXAS HIGH PLAINS III

Estimated Costs Of Irrigation Water

Well Depth	GPM	Distribution System	Power <u>1/</u> Source	Per Acre Inch				
				Operating Cost <u>2/</u> dollars	Fixed Cost <u>3/</u> dollars	Labor Requirement hrs.	Labor Cost dollars	Total Cost dollars
350	400	side roll	nat. gas	.83	1.56	.063	.11	2.50
		s. propelled	nat. gas	1.20	1.67	.022	.04	2.91
		furrow	nat. gas	.52	1.11	.123	.22	1.85
	600	side roll	nat. gas	.81	1.40	.063	.11	2.32
		s. propelled	nat. gas	1.18	1.52	.022	.04	2.74
		furrow	nat. gas	.52	.96	.123	.22	1.70
	800	side roll	nat. gas	.80	1.32	.063	.11	2.23
		s. propelled	nat. gas	1.16	1.44	.022	.04	2.64
		furrow	nat. gas	.50	.88	.123	.22	1.60
	1000	side roll	nat. gas	.80	1.30	.063	.11	2.21
		s. propelled	nat. gas	1.16	1.42	.022	.04	2.62
		furrow	nat. gas	.50	.86	.123	.22	1.58
500	800	side roll	nat. gas	.86	1.47	.063	.11	2.44
		s. propelled	nat. gas	1.21	1.59	.022	.04	2.84
		furrow	nat. gas	.56	1.02	.123	.22	1.80
600	1000	side roll	nat. gas	.89	1.45	.063	.11	2.45
		s. propelled	nat. gas	1.24	1.56	.022	.04	2.84
		furrow	nat. gas	.60	1.00	.123	.22	1.82

- 1/. LP gas as a power source can be fit into this table by increasing the operating cost for self-propelled sprinklers by 1.65; by 1.80 for all other sprinklers, and by 1.95 for furrow irrigation.
- 2/. Includes fuel, lubrication, maintenance and repair on well, pumping plant, and distribution system.
- 3/. Includes depreciation and interest on investment for well, pumping plant, and distribution system.

* Prepared by Marvin O. Sartin, Area Farm Management Specialist, Texas Agricultural Extension Service, Lubbock, Texas; 5/71.

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.	\$.50	22	\$ 11.00
Fertilizer (20-100-50)	ac.	13.10	1	13.10
Machinery	ac.	.80	1	.80
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.3	.41
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	2	4.00
Labor Irrigation	hr.	2.00	.6	1.20
Irrigation Machinery	ac. in.	.78	10	7.80
Interest on Op. Cap.	mo.	.085	6	1.70
Total Variable Costs				\$ 41.77
3. Income Above Variable Costs				\$(41.77)
4. Fixed Costs:				
Machinery	ac.	1.74	1	\$ 1.74
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.3	.36
Tractor (3)	hr.	.72	.2	.14
Irrigation	ac. in.	1.25	10	12.50
Land Charge (rent)	ac.	20.00	1	20.00
Total Fixed Costs				\$ 36.63
5. Total Costs				\$ 78.40
6. Net Cost Of Establishment				\$ 78.40

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
Moldboard	1,6,15	Jul	1	.75	.60	\$.32	\$.77
Tandem Disk	1,5	Aug	2	.62	.50	.35	.46
Fertilize	3	Aug	1	.25	.20	-	-
Plant	2,12	Aug	1	<u>.38</u>	<u>.30</u>	<u>.13</u>	<u>.51</u>
Total				2.00	1.60	\$.80	\$ 1.74

Irrigation: (2)

Preplant	Aug	1	.25*		\$ 3.12	\$ 5.00
Postplant	Sep-Oct	2	<u>.38*</u>		<u>4.68</u>	<u>7.50</u>
Total			.63*		\$ 7.80	\$12.50

- (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.

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:				
Alfalfa	ton	\$ 20.00	8.5	\$170.00
2. Variable Costs:				
Fertilizer (0-120-60)	ac.	13.80	1	\$ 13.80
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	.3	.60
Labor Irrigation	hr.	2.00	2.1	4.20
Irrigation Machinery	ac. in.	.78	33	25.74
Interest on Op. Cap.	mo.	.085	6	<u>1.89</u>
Total Variable Costs				\$ 46.36
3. Income Above Variable Costs				\$123.64
4. Fixed Costs:				
Tractor (3)	hr.	.72	.2	\$.14
Irrigation	ac. in.	1.25	33	41.25
Land Charge	ac.	9.50	1	9.50
Establishment Cost <u>1/</u>	ac.	11.19	1	<u>11.19</u>
Total Fixed Costs				\$ 62.08
5. Total Costs				\$108.44
6. Net Returns to Management				\$ 61.56

1/ Based on stand lasting seven years.

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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	3	Mar	1	.25	.20	-	-
Irrigation: (2)		Mar-Sep	11	2.08*	-	\$25.74	\$41.25

(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 and 3 acre-inches at each irrigation.

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	lb.	\$.50	22	\$ 11.00
Fertilizer (20-100-0)	ac.	10.60	1	10.60
Machinery	ac.	.80	1	.80
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.3	.41
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	2	4.00
Labor Irrigation	hr.	2.00	.6	1.20
Irrigation Machinery	ac. in.	.78	10	7.80
Interest on Op. Cap.	mo.	.085	6	1.60
Total Variable Costs				\$ 39.17
3. Income Above Variable Costs				\$(39.17)
4. Fixed Costs:				
Machinery	ac.	1.74	1	\$ 1.74
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.3	.36
Tractor (3)	hr.	.72	.2	.14
Irrigation	ac. in.	1.25	10	12.50
Land Charge	ac.	20.00	1	20.00
Total Fixed Costs				\$ 36.63
5. Total Costs				\$ 75.80
6. Net Cost of Establishment				\$ 75.80

ALFALFA ESTABLISHMENT, IRRIGATED, HIGH PLAINS III

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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, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard	1,6,15	Jul	1	.75	.60	\$.32	\$.77
Tandem Disk	1,5	Aug	2	.62	.50	.35	.46
Fertilize	3	Aug	1	.25	.20	-	-
Plant	2,12	Aug	1	<u>.38</u>	<u>.30</u>	<u>.13</u>	<u>.51</u>
Total				2.00	1.60	\$.80	\$ 1.74

Irrigation: (2)

Preplant	Aug	1	.25*		\$ 3.12	\$ 5.00
Postplant	Sep-Nov	2	<u>.38*</u>		<u>4.68</u>	<u>7.50</u>
Total			.63*		\$ 7.80	\$12.50

- (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.

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: Alfalfa	ton	\$ 20.00	6.5	\$130.00
2. Variable Costs:				
Fertilizer (0-80-40)	ac.	9.20	1	\$ 9.20
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	.3	.60
Labor Irrigation	hr.	2.00	1.5	3.00
Irrigation Machinery	ac. in.	.78	24	18.72
Interest on Op. Cap.	mo.	.085	6	1.35
Total Variable Costs				\$ 33.00
3. Income Above Variable Costs				\$ 97.00
4. Fixed Costs:				
Tractor (3)	hr.	.72	.2	\$.14
Irrigation	ac. in.	1.25	24	30.00
Land Charge	ac.	8.50	1	8.50
Establishment Cost <u>1/</u>	ac.	10.83	1	10.83
Total Fixed Costs				\$ 49.47
5. Total Costs				\$ 82.47
6. Net Returns to Management				\$ 47.53

1/ Based on stand remaining seven years.

Estimated 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	3	Mar	1	.25	.20	-	-
Irrigation: (2)		Mar-Sep	8	1.51*	-	\$18.72	\$30.00

(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, and 3 acre-inches at each irrigation.

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Corn	bu.	\$ 1.15	140	\$161.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.30	18	\$ 5.40
Insecticide	ac.	3.50	1	3.50
Fertilizer(160-60-0)	ac.	11.80	1	11.80
Herbicide	ac.	6.75	1	6.75
Machinery	ac.	2.50	1	2.50
Tractor (1)	hr.	1.48	1.6	2.37
Tractor (2)	hr.	1.38	1	1.38
Labor, Tractor & Machinery	hr.	2.00	3.3	6.60
Labor, Irrigation	hr.	2.00	2.7	5.40
Irrigation Machinery	ac. in.	.46	22	10.12
Crop Insurance	\$100	8.31	.8	6.65
Interest on Op. Cap.	mo.	.085	4	1.77
Subtotal, Pre-Harvest				\$ 64.24
Harvest:				
Custom combine & haul	bu.	.20	140	\$ 28.00
Total Variable Costs				\$ 92.24
3. Income Above Variable Costs				\$ 68.76
4. Fixed Costs:				
Machinery	ac.	4.40	1	\$ 4.40
Tractor (1)	hr.	1.72	1.6	2.75
Tractor (2)	hr.	1.19	1	1.19
Irrigation	ac. in.	.81	22	17.82
Land Charge (rent)	ac.	13.48	1	13.48
Total Fixed Costs				\$ 39.64
5. Total Costs				\$131.88
6. Net Returns to Management				\$ 29.12
7. Government Payment (\$.32/bu. x yield x $\frac{1}{2}$ allotment less rent) ^{1/}				\$ 16.80
8. Net Return Including Government Payment				\$ 45.92

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

Estimated Costs, And Requirements Per Acre Of Corn For Grain, 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
Tandem Disc	2,5	Dec	1	.31	.25	.18	.23
Chisel, Harrow	1,7	Jan	1	.31	.25	.32	.78
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Float	2,10	Mar	2	.38	.30	.10	.57
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant & Inc. Herbicide	1,8,9	Apr	1	.41	.33	.51	.79
Cultivate	2,13	May	2	.38	.30	.28	.36
Water furrow	1,16	May-Jun	1	<u>.19</u>	<u>.15</u>	<u>.01</u>	<u>.02</u>
Total				3.27	2.61	\$ 2.50	\$ 4.40

Irrigation: (2)

Preplant	Mar	1	.74*		\$ 2.76	\$ 4.86
Postplant	Jun-Aug	4	<u>1.97*</u>		<u>7.36</u>	<u>12.96</u>
Total			2.71*		\$10.12	\$17.82

(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, furrow irrigation, natural gas pumping unit, 6 acre-inches preplant and 4 acre-inches at each postplant.

Estimated Costs And Returns Per Acre Of Corn For Grain, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Corn	bu.	\$ 1.15	100	\$115.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.30	18	\$ 5.40
Insecticide	ac.	3.50	1	3.50
Fertilizer (80-40-0)	ac.	6.80	1	6.80
Herbicide	ac.	6.75	1	6.75
Machinery	ac.	2.36	1	2.36
Tractor (1)	hr.	1.48	1.6	2.37
Tractor (2)	hr.	1.38	.9	1.24
Labor, Tractor & Machinery	hr.	2.00	3.1	6.20
Labor Irrigation	hr.	2.00	2.2	4.40
Irrigation Machinery	ac. in.	.46	18	8.28
Crop Insurance	\$100	8.31	.6	4.99
Interest on Op. Cap.	mo.	.085	4	1.48
Subtotal, Pre-Harvest				\$ 53.77
Harvest:				
Custom Combine and Haul	bu.	.20	100	\$ 20.00
Total Variable Costs				\$ 73.77
3. Income Above Variable Costs				\$ 41.23
4. Fixed Costs:				
Machinery	ac.	4.22	1	\$ 4.22
Tractor (1)	hr.	1.72	1.6	2.75
Tractor (2)	hr.	1.19	.9	1.07
Irrigation	ac. in.	.81	18	14.58
Land Charge (rent)	ac.	7.83	1	7.83
Total Fixed Costs				\$ 30.45
5. Total Costs				\$104.22
6. Net Returns to Management				\$ 10.78
7. Government Payment (\$.32/bu. x yield x $\frac{1}{2}$ of allotment less rent) ^{1/}				\$ 12.00
8. Net Return Including Government Payment				\$ 22.78

^{1/} Based on planted acres. No allowance is made for set-aside acreage of 20 percent. Assumes planting 100 percent of allotment.

Estimated Costs, And Requirements Per Acre Of Corn For Grain, 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
Tandem Disc	2,5	Dec	1	.31	.25	.18	.23
Chisel, Harrow	1,7	Jan	1	.31	.25	.32	.78
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Float	2,10	Mar	2	.38	.30	.10	.57
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant & Inc. Herbicide	1,8,9	Apr	1	.41	.33	.51	.79
Cultivate	2,13	May	1	.19	.15	.14	.18
Water Furrow	1,16	May	1	<u>.19</u>	<u>.15</u>	<u>.01</u>	<u>.02</u>
Total				3.08	2.46	\$ 2.36	\$ 4.22
Irrigation: (2)							
Preplant		Mar	1	.74*		\$ 2.76	\$ 4.86
Postplant		May-Aug	1	<u>1.48*</u>		<u>5.52</u>	<u>9.72</u>
Total				2.22*		\$ 8.28	\$14.58

(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, furrow irrigation, natural gas pumping unit, 6 acre-inches preplant and 4 acre-inches at each postplant.

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	ton	\$ 5.50	27	\$148.50
2. Variable Costs:				
Seed	lb.	.30	25	\$ 7.50
Insecticide	ac.	3.50	1	3.50
Fertilizer (210-60-0)	ac.	13.80	1	13.80
Herbicide	ac.	6.75		6.75
Machinery	ac.	2.50	1	2.50
Tractor (1)	hr.	1.48	1.6	2.37
Tractor (2)	hr.	1.38	1	1.38
Labor, Tractor & Machinery	hr.	2.00	3.3	6.60
Labor Irrigation	hr.	2.00	2.7	5.40
Irrigation Machinery	ac. in.	.46	22	10.12
Crop Insurance	\$100	8.31	.7	5.82
Interest on Op. Cap.	mo.	.085	4	1.87
Total Variable Costs				\$ 67.61
3. Income Above Variable Costs				\$ 80.89
4. Fixed Costs:				
Machinery	ac.	4.40	1	\$ 4.40
Tractor (1)	hr.	1.72	1.6	2.75
Tractor (2)	hr.	1.19	1	1.19
Irrigation	ac. in.	.81	22	17.82
Land Charge (rent)	ac.	16.85	1	16.85
Total Fixed Costs				\$ 43.01
5. Total Costs				\$110.62
6. Net Returns to Management				\$ 37.88
7. Government Payment (\$.32/bu. x yield x $\frac{1}{2}$ allotment less rent) ^{1/}				\$ 16.80
8. Net Return Including Government Payment				\$ 54.68

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

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

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred & Disc	1,4,5	Dec	1	.41	.33	\$.40	\$.62
Tandem Disc	2,5	Dec	1	.31	.25	.18	.23
Chisel, Harrow	1,7	Jan	1	.31	.25	.32	.78
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Float	2,10	Mar	2	.38	.30	.10	.57
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant & Inc. Herbicide	1,8,9	Apr	1	.41	.33	.51	.79
Cultivate	2,13	May	2	.38	.30	.28	.36
Water Furrow	1,16	May	1	<u>.19</u>	<u>.15</u>	<u>.01</u>	<u>.02</u>
Total				3.27	2.61	\$ 2.50	\$ 4.40

Irrigation: (2)

Preplant	Mar	1	.74*		\$ 2.76	\$ 4.86
Postplant	May-Aug	4	<u>1.97*</u>		<u>7.36</u>	<u>12.96</u>
Total			2.71*		\$10.12	\$17.82

(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, furrow irrigation, natural gas pumping unit, 6 acre-inches preplant and 4 acre-inches at each postplant.

Estimated Costs And Returns Per Acre Of Corn For Silage, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Silage	ton	\$ 5.50	20	\$110.00
2. Variable Costs:				
Seed	lb.	.30	23	\$ 6.90
Insecticide	ac.	3.50	1	3.50
Fertilizer (180-60-0)	ac.	12.60	1	12.60
Herbicide	ac.	6.75	1	6.75
Machinery	ac.	2.36	1	2.36
Tractor (1)	hr.	1.48	1.6	2.37
Tractor (2)	hr.	1.38	.9	1.24
Labor, Tractor & Machinery	hr.	2.00	3.1	6.20
Labor Irrigation	hr.	2.00	2.2	4.40
Irrigation Machinery	ac. in.	.46	18	8.28
Crop Insurance	\$100	8.31	.6	4.99
Interest on Op. Cap.	mo.	.085	4	1.69
Total Variable Costs				\$ 61.28
3. Income Above Variable Costs				\$ 48.72
4. Fixed Costs:				
Machinery	ac.	4.22	1	\$ 4.22
Tractor (1)	hr.	1.72	1.6	2.75
Tractor (2)	hr.	1.19	.9	1.07
Irrigation	ac. in.	.81	18	14.58
Land Charge (rent)	ac.	10.13	1	10.13
Total Fixed Costs				\$ 32.75
5. Total Costs				\$ 94.03
6. Net Returns to Management				\$ 15.97
7. Government Payment (\$.32/bu. x yield x $\frac{1}{2}$ allotment less rent) <u>1/</u>				\$ 12.00
8. Net Return Including Government Payment				\$ 27.97

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

CORN FOR SILAGE, IRRIGATED, HIGH PLAINS III
 Estimated Costs, And Requirements Per Acre
 Of Corn For Silage, Typical Management

03065121

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
Tandem Disc	2,5	Dec	1	.31	.25	.18	.23
Chisel, Harrow	1,7	Jan	1	.31	.25	.32	.78
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Float	2,10	Mar	2	.38	.30	.10	.57
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant & Inc. Herbicide	1,8,9	Apr	1	.41	.33	.51	.79
Cultivate	2,13	May	1	.19	.15	.14	.18
Water Furrow	1,16	May-Jun	1	<u>.19</u>	<u>.15</u>	<u>.01</u>	<u>.02</u>
Total				3.08	2.46	\$ 2.36	\$ 4.22

Irrigation: (2)

Preplant	Mar	1	.74*		\$ 2.76	\$ 4.86
Postplant	Jun-Aug	3	<u>1.48*</u>		<u>5.52</u>	<u>9.72</u>
Total			2.22*		\$ 8.28	\$14.58

(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, furrow irrigation, natural gas pumping unit, 6 acre-inches preplant and 4 acre-inches at each postplant.

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:				
Cotton lint	lb.	\$.20	750	\$150.00
Cotton seed	ton	60.00	.6	36.00
Total				\$186.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	30	\$ 6.30
Fertilizer (60-40-0)	ac.	6.00	1	6.00
Herbicide	ac.	4.19	1	4.19
Insecticide	ac.	2.50	1	2.50
Machinery	ac.	2.44	1	2.44
Tractor (1)	hr.	1.48	1.3	1.92
Tractor (2)	hr.	1.38	1.2	1.66
Tractor (3)	hr.	.63	.1	.06
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	13.38	.9	12.04
Interest on Op. Cap.	mo.	.085	4	1.57
Subtotal, Pre-Harvest				\$ 57.02
Harvest:				
Strip	ac.	1.82	1	\$ 1.82
Strip Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	1.5	32.25
Subtotal, Harvest				\$ 36.07
Total Variable Costs				\$ 93.09
3. Income Above Variable Costs				\$ 92.91
4. Fixed Costs:				
Machinery	ac.	9.58	1	\$ 9.58
Tractor (1)	hr.	1.72	1.3	2.24
Tractor (2)	hr.	1.19	1.2	1.43
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac.	16.25	1	16.25
Land Charge	ac.	22.27	1	22.27
Total Fixed Costs				\$ 51.84
5. Total Costs				\$144.93
6. Net Returns to Management				\$ 41.07
7. Government Payment (\$.15/lb x yield less rent) ^{1/}				\$ 84.37
8. Net Return Including Government Payment				\$125.44

^{1/} Based on planted acres. No allowance is made for set-aside 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	Dec	1	.41	.33	\$.40	\$.62
Moldboard	1,6,15	Jan	.5	.38	.30	.16	.39
Chisel	2,7	Jan.	.5	.16	.13	.06	.07
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Apply & Inc. Herbicide	2,5,8	Mar	2	.69	.55	.47	.60
List & Fertilize	1,8	Mar	1	.38	.30	.38	.62
Cultivate	2,13	May	1	.19	.15	.14	.18
Plant	2,11	May	1.5	.47	.38	.49	.78
Sandfight	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				3.30	2.64	\$ 2.44	\$ 3.69
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.

Estimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Cotton Lint	lb.	\$.20	600	\$120.00
Cotton Seed	ton	60.00	.5	30.00
Total				\$150.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	30	\$ 6.30
Fertilizer (60-40-0)	ac.	6.00	1	6.00
Herbicide	ac.	4.19	1	4.19
Insecticide	ac.	2.50	1	2.50
Machinery	ac.	2.53	1	2.53
Tractor (1)	hr.	1.48	1.7	2.52
Tractor (2)	hr.	1.38	1	1.38
Tractor (3)	hr.	.63	.4	.25
Labor, Tractor & Machinery	hr.	2.00	3.9	7.80
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	13.28	.8	10.62
Interest on Op. Cap.	mo.	.085	4	1.58
Subtotal, Pre-Harvest				\$ 57.41
Harvest:				
Strip Machinery	ac.	1.82	1	\$ 1.82
Strip Labor	hr.	2.00	1	2.00
Ginning	bale	21.50	1.2	25.80
Subtotal, Harvest				\$ 29.62
Total Variable Costs				\$ 87.03
3. Income Above Variable Costs				\$ 62.97
4. Fixed Costs:				
Machinery	ac.	9.79	1	\$ 9.79
Tractor (1)	hr.	1.72	1.7	2.92
Tractor (2)	hr.	1.19	1	1.19
Tractor (3)	hr.	.72	.4	.29
Irrigation	ac. in.	1.25	13	16.25
Land Charge (rent)	ac.	14.87	1	14.87
Total Fixed Costs				\$ 45.31
5. Total Costs				\$132.34
6. Net Returns to Management				\$ 17.66
7. Government Payment (\$.15/lb. x yield less rent) ^{1/}				\$ 67.50
8. Net Return Including Government Payment				\$ 85.16

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

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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	Jan	.75	.56	.45	.24	.58
Chisel	2,7	Jan	.25	.08	.06	.03	.04
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Fertilize	3	Mar	1	.35	.28	—	—
Tandem Disc	1,5	Mar	1	.31	.25	.18	.23
Apply & Inc. Herbicide	2,5,8	Mar	2	.69	.55	.47	.60
List	1,9	Apr	1	.38	.30	.38	.62
Plant	2,11	May	1.50	.47	.38	.49	.78
Sandfight	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				3.87	3.10	\$ 2.53	\$ 3.90
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.

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	375	\$ 75.00
Cottonseed	ton	60.00	.3	18.00
Total				\$ 93.00
2. Variable Costs:				
Pre-Harvest				
Seed	lb.	.21	18	\$ 3.78
Fertilizer (20-20-0)	ac.	2.60	1	2.60
Herbicide	ac.	3.50	1	3.50
Machinery	ac.	1.60	1	1.60
Tractor (1)	hr.	1.48	1	1.48
Tractor (2)	hr.	1.38	.5	.69
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	2.1	4.20
Crop Insurance	\$100	11.27	.5	5.63
Interest on Op. Cap.	mo.	.085	4	.67
Subtotal, Pre-Harvest				\$ 24.34
Harvest:				
Strip Labor	hr.	2.00	1	\$ 2.00
Machinery	ac.	1.82	1	1.82
Ginning	bale	21.50	.8	17.20
Subtotal, Harvest				\$ 21.02
Total Variable Costs				\$ 45.36
3. Income Above Variable Costs				\$ 47.64
4. Fixed Costs:				
Machinery	ac.	8.20	1	\$ 8.20
Tractor (1)	hr.	1.72	1	1.72
Tractor (2)	hr.	1.19	.5	.60
Tractor (3)	hr.	.72	.3	.22
Land Charge (rent)	ac.	16.47	1	16.47
Total Fixed Costs				\$ 27.21
5. Total Costs				\$ 72.57
6. Net Returns to Management				\$ 20.43
7. Government Payment (\$.15/lb x yield less rent) ^{1/}				\$ 42.19
8. Net Return Including Government Payment				\$ 62.62

^{1/} Based on planted acres. No allowance is made for required set-aside acreage of 20 percent.

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
Chisel	1,7	Feb	1	.31	.25	.11	.14
List & Fertilize	2,9	Mar	1.25	.47	.38	.48	.62
Cultivate	2,13	Apr	.50	.10	.08	.07	.09
Plant	1,9	May	1.50	.46	.37	.47	.76
Spray Herbicide	3,8	Jun	1	.25	.20	.05	.06
Sandfight	2,3,14	Jun	2	<u>.13</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				2.13	1.71	\$ 1.60	\$ 2.31
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 Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Lint	lb.	\$.20	300	\$ 60.00
Cottonseed	ton	60.00	.2	12.00
Total				\$ 72.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	18	\$ 3.78
Herbicide	ac.	3.50	1	3.50
Machinery	ac.	1.80	1	1.80
Tractor (1)	hr.	1.48	1.3	1.92
Tractor (2)	hr.	1.38	.2	.28
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	2.1	4.20
Crop Insurance	\$100	11.27	.4	4.51
Interest on Op. Cap.	mo.	.085	4	.57
Subtotal, Pre-Harvest				\$ 20.75
Harvest:				
Strip Labor	hr.	2.00	1	\$ 2.00
Machinery	ac.	1.82	1	1.82
Ginning	bale	21.50	.6	12.90
Subtotal, Harvest				\$ 16.72
Total Variable Costs				\$ 37.47
3. Income Above Variable Costs				\$ 34.53
4. Fixed Costs:				
Machinery	ac.	8.20	1	\$ 8.20
Tractor (1)	hr.	1.72	1.3	2.24
Tractor (2)	hr.	1.19	.2	.24
Tractor (3)	hr.	.72	.3	.22
Land Charge	ac.	15.94	1	15.94
Total Fixed Costs				\$ 26.84
5. Total Costs				\$ 64.31
6. Net Returns to Management				\$ 7.69
7. Government Payment (\$.15/lb x yield less rent) ^{1/}				\$ 33.75
8. Net Return Including Government Payment				\$ 41.44

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

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
Chisel	1,7	Feb	1	.31	.25	.11	.14
List & Fertilize	1,9	Mar	1.25	.47	.38	.48	.62
Cultivate	2,13	Apr	.50	.10	.08	.07	.09
Plant	1,9	May	1.50	.46	.37	.47	.76
Spray Herbicide	3,8	Jun	1	.25	.20	.05	.06
Sandfight	2,3,14	Jun	2	<u>.13</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				2.13	1.71	\$ 1.60	\$ 2.31
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
Forage Sorghum For Grazing, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing	AUM	\$ 12.00	6	\$ 72.00
2. Variable Costs:				
Seed	lb.	.20	6	\$ 1.20
Fertilizer (180-60-0)	ac.	12.60	1	12.60
Machinery	ac.	1.53	1	1.53
Tractor (1)	hr.	1.48	1.4	2.07
Tractor (2)	hr.	1.38	.5	.69
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.4	4.80
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Interest on Op. Cap.	mo.	.085	4	.98
Total Variable Costs				\$ 35.67
3. Income Above Variable Costs				\$ 36.33
4. Fixed Costs:				
Machinery	ac.	2.57	1	\$ 2.57
Tractor (1)	hr.	1.72	1.4	2.41
Tractor (2)	hr.	1.19	.5	.60
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	6.80	1	6.80
Total Fixed Costs				\$ 28.70
5. Total Costs				\$ 64.37
6. Net Returns to Management				\$ 7.63

Estimated Costs, And Requirements Per Acre
Of Forage Sorghum For Grazing, 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	.31	\$.40	\$.62
Moldboard	1,6,15	Feb	1	.75	.60	.32	.77
Tandem Disc	2,5	Feb	1	.31	.25	.18	.23
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	1,13	Apr	1	.19	.15	.14	.18
Plant	2,11	May	1	.31	.25	.10	.14
Sandfight	3,14	May	1	<u>.06</u>	<u>.05</u>	<u>.01</u>	<u>.01</u>
Total				2.41	1.91	\$ 1.53	\$ 2.57

Irrigation: (2)

Preplant	Mar	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-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.

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing	AUM	\$ 12.00	4.5	\$ 54.00
2. Variable Costs:				
Seed	lb.	.20	6	\$ 1.20
Fertilizer	ac.	8.80	1	8.80
Machinery	ac.	1.57	1	1.57
Tractor (1)	hr.	1.48	1.2	1.78
Tractor (2)	hr.	1.38	.8	1.10
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	2.7	5.40
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Interest on Op. Cap.	mo.	.085	4	.90
Total Variable Costs				\$ 32.68
3. Income Above Variable Costs				\$ 21.32
4. Fixed Costs:				
Machinery	ac.	2.62	1	\$ 2.62
Tractor (1)	hr.	1.72	1.2	2.06
Tractor (2)	hr.	1.19	.8	.95
Tractor (3)	hr.	.72	.3	.22
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	2.07	1	2.07
Total Fixed Costs				\$ 24.17
5. Total Costs				\$ 56.85
6. Net Returns to Management				\$ (2.85)

Estimated Costs, And Requirements Per Acre
Of Forage Sorghum For Grazing, 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	.75	.60	.32	.77
Tandem Disc	2,5	Feb	1	.31	.25	.18	.23
Fertilize	3	Mar	1	.31	.25	-	-
Tandem Disc	2,5	Mar	1	.31	.25	.18	.23
List	1,9	Apr	1	.25	.20	.38	.62
Plant	2,11	May	1	.31	.25	.10	.14
Sandfight	3,14	May	1	<u>.06</u>	<u>.05</u>	<u>.01</u>	<u>.01</u>
Total				2.71	2.18	\$ 1.57	\$ 2.62

Irrigation: (2)

Preplant	Mar	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-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.

FORAGE SORGHUM FOR GRAZING, DRYLAND, HIGH PLAINS III

03085222

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production: Grazing	AUM	\$ 12.00	2.5	\$ 30.00
2. Variable Costs:				
Seed	lb.	.20	2	\$.40
Fertilizer (40-0-0)	ac.	1.60	1	1.60
Machinery	ac.	1.19	1	1.19
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
Interest on Op. Cap.	mo.	.085	4	<u>.25</u>
Total Variable Costs				\$ 9.14
3. Income Above Variable Costs				\$ 20.86
4. Fixed Costs:				
Machinery	ac.	1.79	1	\$ 1.79
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.	9.47	1	<u>9.47</u>
Total Fixed Costs				\$ 13.58
5. Total Costs				\$ 22.72
6. Net Returns to Management				\$ 7.28

FORAGE SORGHUM FOR GRAZING, DRYLAND, HIGH PLAINS III

03085221

Estimated Costs, And Requirements Per Acre
Of Forage Sorghum For Grazing, 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	.63	.50	\$.22	\$.29
Tandem	2,5	Apr	1	.31	.25	.18	.23
List & Fertilize	1,9	Apr	1	.38	.30	.38	.62
Plant	1,9	May	1.25	.39	.31	.40	.64
Sandfight	3,14	Jun	1	<u>.06</u>	<u>.05</u>	<u>.01</u>	<u>.01</u>
Total				1.77	1.41	\$ 1.19	\$ 1.79

(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	67	\$134.00
2. Variable Costs				
Pre-Harvest:				
Seed	lb.	.21	10	\$ 2.10
Fertilizer (130-60-0)	ac.	10.60	1	10.60
Herbicide	ac.	2.50	1	2.50
Insecticide	ac.	4.50	1	4.50
Machinery	ac.	1.72	1	1.72
Tractor (1)	hr.	1.48	1.5	2.22
Tractor (2)	hr.	1.38	.7	.97
Tractor (3)	hr.	.63	.1	.06
Labor, Tractor & Machinery	hr.	2.00	2.9	5.80
Labor Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac. in.	.78	16	12.48
Crop Insurance	\$100	6.88	.7	4.82
Interest on Op. Cap.	mo.	.085	4	1.41
Subtotal, Pre-Harvest				\$ 51.18
Harvest:				
Combine	cwt.	.15	67	\$ 10.05
Haul	cwt.	.10	67	6.70
Subtotal, Harvest				\$ 16.75
Total Variable Costs				\$ 67.93
3. Income Above Variable Costs				\$ 66.07
4. Fixed Costs:				
Machinery	ac.	2.81	1	\$ 2.81
Tractor (1)	hr.	1.72	1.5	2.58
Tractor (2)	hr.	1.19	.7	.83
Tractor (3)	hr.	.72	.1	.07
Irrigation	ac. in.	1.25	16	20.00
Land Charge	ac.	17.22	1	17.22
Total Fixed Costs				\$ 43.51
5. Total Costs				\$111.44
6. Net Returns to Management				\$ 22.56
7. Government Payment (\$.52/cwt. x yield of $\frac{1}{2}$ of allotment less rent) ^{1/}				\$ 11.62
8. Net Returns Including Government Payment				\$ 34.18

^{1/} Based on planted acreage. Does not consider required set-aside acreage of 20 percent. Assumes planting 100 percent of the allotment.

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 & Disc	1,4,5	Dec	1	.41	.33	\$.40	\$.62
Moldboard	1,6,15	Feb	1	.75	.60	.32	.77
Tandem Disc	2,5	Feb	1	.31	.25	.18	.23
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	1,13	Apr	1	.19	.15	.14	.18
Plant	2,11	May	1	.31	.25	.10	.14
Sandfight	3,14	Jun	1	.06	.05	.01	.01
Spray Herbicide	2,8	Jun	1	.25	.20	.05	.06
Cultivate	1,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				2.85	2.28	\$ 1.72	\$ 2.81

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.

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	55	\$110.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	10	\$ 2.10
Fertilizer (60-040-0)	ac.	6.00	1	6.00
Herbicide	ac.	2.50	1	2.50
Insecticide	ac.	4.50	1	4.50
Machinery	ac.	1.76	1	1.76
Tractor (1)	hr.	1.48	1.3	1.92
Tractor (2)	hr.	1.38	1	1.38
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	3.2	6.40
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	6.88	.6	4.13
Interest on Op. Cap.	mo.	.085	4	1.21
Subtotal, Pre-Harvest				\$ 43.83
Harvest:				
Combine	cwt.	.15	55	\$ 8.25
Haul	cwt.	.10	55	5.50
Subtotal, Harvest				\$ 13.75
Total Variable Costs				\$ 57.58
3. Income Above Variable Costs				\$ 52.42
4. Fixed Costs:				
Machinery	ac.	2.86	1	\$ 2.86
Tractor (1)	hr.	1.72	1.3	2.24
Tractor (2)	hr.	1.19	1	1.19
Tractor (3)	hr.	.72	.3	.22
Irrigation	ac. in.	1.25	13	16.25
Land Charge (rent)	ac.	14.75	1	14.75
Total Fixed Costs				\$ 37 51
5. Total Costs				\$ 95.09
6. Net Returns to Management				\$ 14.91
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) ^{1/}				\$ 9.54
8. Net Return Including Government Payment				\$ 24.45

^{1/} Based on planted acreage. Does not consider required set-aside acreage of 20 percent. Assumes planting 100 percent of the allotment.

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
Shred & Disc	1,4,5	Dec	1	.41	.33	\$.40	\$.62
Moldboard	1,6,15	Feb	1	.75	.60	.32	.77
Tandem Disc	2,5	Feb	1	.31	.25	.18	.23
Fertilize	3	Mar	1	.31	.25	-	-
Tandem Disc	2,5	Mar	1	.31	.25	.18	.23
List	1,9	Apr	1	.25	.20	.38	.62
Plant	2,11	May	1	.31	.25	.10	.14
Spray Herbicide	2,8	Jun	1	.25	.20	.05	.06
Sandfight	3,14	Jun	.5	.06	.05	.01	.01
Cultivate	1,13	Jul	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				3.15	2.53	\$ 1.76	\$ 2.86

Irrigation: (2)

Preplant	Mar-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.

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	18	\$ 36.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	2.5	\$.53
Fertilizer (40-20-0)	ac.	3.40	1	3.40
Herbicide	ac.	2.50	1	2.50
Machinery	ac.	1.20	1	1.20
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	6.21	.2	1.24
Interest on Op. Cap.	mo.	.085	4	.41
Subtotal, Pre-Harvest				\$ 14.98
Harvest:				
Combine	ac.	3.50	1	\$ 3.50
Haul	cwt.	.10	18	1.80
Subtotal, Harvest				\$ 5.30
Total Variable Costs				\$ 20.28
3. Income Above Variable Costs:				\$ 15.72
4. Fixed Costs:				
Machinery	ac.	1.80	1	\$ 1.80
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.	8.27	1	8.27
Total Fixed Costs				\$ 12.39
5. Total Costs				\$ 32.67
6. Net Returns to Management				\$ 3.33
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) <u>1/</u>				\$ 3.12
8. Net Return Including Government Payment				\$ 6.45

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

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
Chisel	1,7	Mar	2	.63	.50	\$.22	\$.29
Tandem	2,5	Apr	1	.31	.25	.18	.23
List & Fertilize	1,9	Apr	1	.38	.30	.38	.62
Plant	1,9	May	1.25	.39	.31	.40	.64
Sandfight	2,3,14	Jun	2	<u>.13</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				1.84	1.46	\$ 1.20	\$ 1.80

(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	12	\$ 24.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.21	2.5	\$.53
Fertilizer (20-0-0)	ac.	.80	1	.80
Herbicide	ac.	2.50	1	2.50
Machinery	ac.	1.20	1	1.20
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	6.21	.1	.62
Interest on Op. Cap.	mo.	.085	4	.32
Subtotal, Pre-Harvest				\$ 11.67
Harvest:				
Combine	ac.	3.50	1	\$ 3.50
Haul	cwt.	.10	12	1.20
Subtotal, Harvest				\$ 4.70
Total Variable Costs				\$ 16.37
3. Income Above Variable Costs				\$ 7.63
4. Fixed Costs:				
Machinery	ac.	1.80	1	\$ 1.80
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.	5.33	1	5.33
Total Fixed Costs				\$ 9.45
5. Total Costs				\$ 25.82
6. Net Returns to Management				\$ (1.82)
7. Government Payment (\$.52/cwt. x yield x $\frac{1}{2}$ allotment less rent) ^{1/}				\$ 2.08
8. Net Return Including Government Payment				\$.26

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

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	.63	.50	\$.22	\$.29
Tandem Disc	2,5	Apr	1	.31	.25	.18	.23
List & Fertilize	1,9	Apr	1	.38	.30	.38	.62
Plant	1,9	May	1.25	.39	.31	.40	.64
Sandfight	2,3,14	Jun	2	<u>.13</u>	<u>.10</u>	<u>.02</u>	<u>.02</u>
Total				1.84	1.46	\$ 1.20	\$ 1.80

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

Estimated Costs And Returns Per Acre Of Southern Peas, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Peas	cwt.	6.00	5	\$ 30.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.155	12	\$ 1.86
Fertilizer (20-20-0)	ac.	2.60	1	2.60
Machinery	ac.	1.48	1	1.48
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.6	.83
Labor, Tractor & Machinery	hr.	2.00	2.1	4.20
Interest on Op. Cap.	mo.	.085	4	.36
Subtotal, Pre-Harvest				\$ 12.96
Harvest:				
Combine	ac.	6.00	1	\$ 6.00
Haul	cwt.	.10	5	.50
Subtotal, Harvest				\$ 6.50
Total Variable Costs				\$ 19.46
3. Income Above Variable Costs				\$ 10.54
4. Fixed Costs:				
Machinery	ac.	2.18	1	\$ 2.18
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.6	.71
Land Charge	ac.	6.97	1	6.97
Total Fixed Costs				\$ 11.75
5. Total Costs				\$ 31.21
6. Net Returns to Management				\$ (1.21)

Estimated Costs, And Requirements Per Acre Of Southern Peas, 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	.63	.50	\$.22	\$.29
Tandem Disc	2,5	Apr	1	.31	.25	.18	.23
List & Fertilize	1,9	Apr	1	.38	.30	.38	.62
Cultivate	2,13	May	1	.19	.15	.14	.18
Plant	1,9	Jun	1	.41	.33	.42	.68
Cultivate	2,13	Jul	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				2.11	1.68	\$ 1.48	\$ 2.18

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

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing	AUM	\$ 12.00	2.5	\$ 30.00
2. Variable Costs:				
Seed	lb.	1.35	4	\$ 5.40
Fertilizer (80-60-0)	ac.	11.80	1	11.80
Herbicide	ac.	5.50	1	5.50
Machinery	ac.	.78	1	.78
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.5	.69
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	1.8	3.60
Labor Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac. in.	.78	16	12.48
Interest on Op. Cap.	mo.	.085	6	1.87
Total Variable Costs				\$ 45.88
3. Income Above Variable Costs				\$(15.88)
4. Fixed Costs:				
Machinery	ac.	1.66	1	\$ 1.66
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.5	.60
Tractor (3)	hr.	.72	.2	.14
Irrigation	ac. in.	1.25	16	20.00
Land Charge	ac.	20.00	1	20.00
Total Fixed Costs				\$ 44.29
5. Total Costs				\$ 90.17
6. Net Cost of Establishment				\$ 60.17

PERMANENT PASTURE ESTABLISHMENT, IRRIGATED, HIGH PLAINS III

03171111

Estimated Costs, And Requirements Per Acre Of Permanent
Pasture 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	1,6,15	Mar	1	.75	.60	\$.32	\$.77
Tandem Disc	1,5	Apr	2	.62	.50	.35	.46
Fertilize	2	Apr	1	.25	.20	-	-
Plant	2,12	May	1	.31	.25	.11	.43
Weed Control	3	May	1	<u>.25</u>	<u>.20</u>	<u>-</u>	<u>-</u>
Total				2.18	1.75	\$.78	\$ 1.66

Irrigation: (2)

Preplant	Apr	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-Sep	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.

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing	AUM	\$ 12.00	12	\$144.00
2. Variable Costs:				
Fertilizer (100-80-0)	ac.	15.20	1	15.20
Tractor (2)	hr.	1.38	.4	.55
Labor, Tractor & Machinery	hr.	2.00	.5	1.00
Labor Irrigation	hr.	2.00	1.9	3.80
Irrigation Machinery	ac. in.	.78	30	23.40
Interest on Op. Cap.	mo.	.085	6	1.87
Total Variable Costs				\$ 45.82
3. Income Above Variable Costs				\$ 98.18
4. Fixed Costs:				
Tractor (2)	hr.	1.19	.4	\$.48
Irrigation	ac. in.	1.25	30	37.50
Establishment Cost <u>1/</u>	ac.	8.60	1	8.60
Land Charge	ac.	6.00	1	6.00
Total Fixed Costs				\$ 52.58
5. Total Costs				\$ 98.40
6. Net Returns to Management				\$ 45.60

1/ Based on stand remaining seven years.

PERMANENT PASTURE, IRRIGATED, HIGH PLAINS III

03170111

Estimated Costs, And Requirements Per Acre
Of Permanent 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	Apr-Jul	2	.50	.40	-	-
Irrigation: (2)		Apr-Sep	10	1.89*		\$ 23.40	\$ 37.50

(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, and 3 acre-inches at each irrigation.

Estimated Costs And Returns Per Acre Of
Permanent Pasture Establishment, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing	AUM	\$ 12.00	2.5	\$ 30.00
2. Variable Costs:				
Seed	lb.	1.35	4	\$ 5.40
Fertilizer (50-40-0)	ac.	7.60	1	7.60
Herbicide	ac.	5.50	1	5.50
Machinery	ac.	.78	1	.78
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.5	.69
Tractor (3)	hr.	.63	.2	.13
Labor, Tractor & Machinery	hr.	2.00	1.8	3.60
Labor Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac. in.	.78	16	12.48
Interest on Op. Cap.	mo.	.085	6	<u>1.69</u>
Total Variable Costs				\$ 41.50
3. Income Above Variable Costs				\$(11.50)
4. Fixed Costs:				
Machinery	ac.	1.66	1	\$ 1.66
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.5	.60
Tractor (3)	hr.	.72	.2	.14
Irrigation	ac. in.	1.25	16	20.00
Land Charge	ac.	20.00	1	<u>20.00</u>
Total Fixed Costs				\$ 44.29
5. Total Costs				\$ 85.79
6. Net Cost of Establishment				\$ 55.79

Estimated Costs, And Requirements Per Acre Of Permanent
Pasture 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
Moldboard	1,6,15	Mar	1	.75	.60	\$.32	\$.77
Tandem Disc	1,5	Apr	2	.62	.50	.35	.46
Fertilize	2	Apr	1	.25	.20	-	-
Plant	2,12	May	1	.31	.25	.11	.43
Weed Control	3	May	1	<u>.25</u>	<u>.20</u>	<u>-</u>	<u>-</u>
Total				2.18	1.75	\$.78	\$ 1.66

Irrigation: (2)

Preplant	Apr	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-Sep	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.

Estimated Costs And Returns Per Acre Of Permanent Pasture, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts from production:				
Grazing	AUM	\$ 12.00	6	\$ 72.00
2. Variable Costs:				
Fertilizer (50-40-0)	ac.	7.60	1	\$ 7.60
Tractor (2)	hr.	1.38	.4	.55
Labor, Tractor & Machinery	hr.	2.00	.5	1.00
Labor Irrigation	hr.	2.00	1.3	2.60
Irrigation Machinery	ac. in.	.78	21	16.38
Interest on Op. Cap.	mo.	.085	6	1.19
Total Variable Costs				\$ 29.32
3. Income Above Variable Costs				\$ 42.68
4. Fixed Costs:				
Tractor (2)	hr.	1.19	.5	\$.60
Irrigation	ac. in.	1.25	21	26.25
Establishment Cost <u>1/</u>	ac.	7.97	1	7.97
Land Charge	ac.	-	1	-
Total Fixed Costs				\$ 34.82
5. Total Costs				\$ 64.14
6. Net Returns to Management				\$ 7.86

1/ Based on stand remaining seven years.

PERMANENT PASTURE, IRRIGATED, HIGH PLAINS III

03170121

Estimated Costs, And Requirements Per Acre
Of Permanent Pasture, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	2	Apr-Jul	2	.50	.40	-	-
Irrigation: (2)		Apr-Sep	7	1.32		\$16.38	\$26.25

- (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, and 3 acre-inches at each irrigation.

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

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Soybeans	bu.	\$ 2.50	42	\$105.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.05	65	\$ 3.25
Fertilizer (0-40-0)	ac.	3.60	1	3.60
Herbicide	ac.	4.13	1	4.13
Machinery	ac.	2.03	1	2.03
Tractor (1)	hr.	1.48	1.3	1.92
Tractor (2)	hr.	1.38	1.1	1.52
Labor, Tractor & Machinery	hr.	2.00	3	6.00
Labor Irrigation	hr.	2.00	.8	1.60
Irrigation Machinery	ac. in.	.78	13	10.14
Crop Insurance	\$100	15.03	.5	7.51
Interest on Op. Cap.	mo.	.085	4	1.18
Subtotal, Pre-Harvest				\$ 42.88
Harvest:				
Combine	bu.	.09	42	\$ 3.78
Haul	bu.	.05	42	2.10
Subtotal, Harvest				\$ 5.88
Total Variable Costs				\$ 48.76
3. Income Above Variable Costs				\$ 56.24
4. Fixed Costs:				
Machinery	ac.	3.03	1	\$ 3.03
Tractor (1)	hr.	1.72	1.3	2.24
Tractor (2)	hr.	1.19	1.1	1.31
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	9.85	1	9.85
Total Fixed Costs				\$ 32.08
5. Total Costs				\$ 81.64
6. Net Returns to Management				\$ 23.56

Estimated Costs, And Requirements Per Acre Of Soybeans, 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	1,6,15	Jan	.5	.38	.30	.16	.39
Chisel	2,7	Jan	.5	.16	.13	.06	.07
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Apply & Inc. Herbicide	2,5,8	Mar	2	.69	.55	.47	.60
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant	2,11	May	1	.31	.25	.10	.14
Cultivate	1,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				3.02	2.41	\$ 2.03	\$ 3.03

Irrigation: (2)

Preplant	May	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-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.

Estimated Costs And Returns Per Acre Of Soybeans, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Soybeans	bu.	\$ 2.50	35	\$ 87.50
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.05	65	\$ 3.25
Fertilizer	ac.	3.60	1	3.60
Herbicide	ac.	4.13	1	4.13
Machinery	ac.	2.08	1	2.08
Tractor (1)	hr.	1.48	1.5	2.22
Tractor (2)	hr.	1.38	1	1.38
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	15.03	.4	6.01
Interest on Op. Cap.	mo.	.085	4	1.15
Subtotal, Pre-Harvest				\$ 41.76
Harvest:				
Combine	bu.	.09	35	\$ 3.15
Haul	bu.	.05	35	1.75
Subtotal, Harvest				\$ 4.90
Total Variable Costs				\$ 46.66
3. Income Above Variable Costs				\$ 40.84
4. Fixed Costs:				
Machinery	ac.	3.19	1	\$ 3.19
Tractor (1)	hr.	1.72	1.5	2.58
Tractor (2)	hr.	1.19	1	1.19
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	5.71	1	5.71
Total Fixed Costs				\$ 28.92
5. Total Costs				\$ 75.58
6. Net Returns to Management				\$ 11.92

Estimated Costs, And Requirements Per Acre Of Soybeans, 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	Jan	.75	.56	.45	.24	.58
Chisel	2,7	Jan	1.25	.08	.06	.03	.04
Tandem Disc	1,5	Feb	1	.31	.25	.18	.23
Apply & Inc. Herbicide	2,5,8	Mar	2	.69	.55	.47	.60
List & Fertilize	1,9	Mar	1	.38	.30	.38	.62
Cultivate	2,13	Apr	1	.19	.15	.14	.18
Plant	2,11	May	1	.31	.25	.10	.14
Cultivate	1,13	Jun	1	<u>.19</u>	<u>.15</u>	<u>.14</u>	<u>.18</u>
Total				3.12	2.49	\$ 2.08	\$ 3.19

Irrigation: (2)

Preplant	Mar	1	.25*		\$ 3.12	\$ 5.00
Postplant	May-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.

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.	\$ 1.30	50	\$ 65.00
Grazing	AUM	12.00	2.5	30.00
Total				\$ 95.00
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	2.50	1.5	\$ 3.75
Fertilizer (100-40-0)	ac.	7.60	1	7.60
Machinery	ac.	.89	1	.89
Tractor (1)	hr.	1.48	1.1	1.63
Tractor (2)	hr.	1.38	.4	.55
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	2.2	4.40
Labor Irrigation	hr.	2.00	1	2.00
Irrigation Machinery	ac. in.	.78	16	12.48
Crop Insurance	\$100	12.60	.3	3.78
Interest on Op. Cap.	mo.	.085	8	2.11
Subtotal, Pre-Harvest				\$ 39.38
Harvest:				
Combine	ac.	4.50	1	\$ 4.50
Haul	bu.	.05	50	2.50
Subtotal, Harvest				\$ 7.00
Total Variable Costs				\$ 46.38
3. Income Above Variable Costs				\$ 48.62
4. Fixed Costs:				
Machinery	ac.	1.66	1	\$ 1.66
Tractor (1)	hr.	1.72	1.1	1.89
Tractor (2)	hr.	1.19	.4	.48
Tractor (3)	hr.	.72	.3	.22
Irrigation	ac. in.	1.25	16	20.00
Land Charge	ac.	10.80	1	10.80
Total Fixed Costs				\$ 35.05
5. Total Costs				\$ 81.43
6. Net Returns to Management				\$ 13.57
7. Government Payment (\$1.57 x 50 bu. less rent) ^{1/}				\$ 52.36
8. Net Return Including Government Payment				\$ 65.93

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

Estimated 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
Tandem Disc	1,5	Jun	1	.31	.25	\$.18	\$.23
Moldboard	1,6,15	Jul	.5	.38	.30	.16	.39
Chisel	2,7	Jul	.5	.16	.13	.06	.07
Tandem Disc	1,5	Jul	1	.31	.25	.18	.23
Fertilize	3	Aug	1	.31	.25	-	-
Tandem Disc	1,5	Aug	1	.31	.25	.18	.23
Drill	2,12	Aug	1	<u>.38</u>	<u>.30</u>	<u>.13</u>	<u>.51</u>
Total				2.16	1.73	\$.89	\$ 1.66

Irrigation: (2)

Preplant	Aug	1	.25*		\$ 3.12	\$ 5.00
Postplant	Oct-Apr	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.

Estimated Costs And Returns Per Acre Of Wheat, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain	bu.	\$ 1.30	35	\$ 45.50
Grazing	AUM	12.00	2.5	30.00
Total				\$ 75.50
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	2.50	1.5	\$ 3.75
Fertilizer (80-40-0)	ac.	6.80	1	6.80
Machinery	ac.	.94	1	.94
Tractor (1)	hr.	1.48	1.2	1.78
Tractor (2)	hr.	1.38	.4	.55
Tractor (3)	hr.	.63	.3	.19
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	12.60	.2	2.52
Interest on Op. Cap.	mo.	.085	8	1.86
Subtotal, Pre-Harvest				\$ 34.73
Harvest:				
Combine	ac.	3.75	1	\$ 3.75
Haul	bu.	.05	35	1.75
Subtotal, Harvest				\$ 5.50
Total Variable Costs				\$ 40.23
3. Income Above Variable Costs				\$ 35.27
4. Fixed Costs:				
Machinery	ac.	1.82	1	\$ 1.82
Tractor (1)	hr.	1.72	1.2	2.06
Tractor (2)	hr.	1.19	.4	.48
Tractor (3)	hr.	.72	.3	.22
Irrigation	ac. in.	1.25	13	16.25
Land Charge	ac.	8.06	1	8.06
Total Fixed Costs				\$ 28.89
5. Total Costs				\$ 69.12
6. Net Returns to Management				\$ 6.38
7. Government Payment (\$1.57/bu. x yield less rent) ^{1/}				\$ 36.65
8. Net Return Including Government Payment				\$ 43.03

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

Estimated 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
Tandem Disc	1,5	Jul	1	.31	.25	\$.18	\$.23
Moldboard	1,6,15	Jul	.75	.56	.45	.24	.58
Chisel	2,7	Jul	.25	.08	.06	.03	.04
Tandem Disc	1,5	Jul	1	.31	.25	.18	.23
Fertilize	3	Jul	1	.31	.25	-	-
Tandem Disc	1,5	Jul	1	.31	.25	.18	.23
Drill	2,12	Aug	1	<u>.38</u>	<u>.30</u>	<u>.13</u>	<u>.51</u>
Total				2.26	1.81	\$.94	\$ 1.82

Irrigation: (2)

Preplant	Aug	1	.25*		\$ 3.12	\$ 5.00
Postplant	Oct-Apr	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.

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.	\$ 1.30	22	\$ 28.60
Grazing	AUM	12.00	.5	6.00
				<u>\$ 34.60</u>
2. Variable Costs:				
Pre-Harvest:				
Seed	bu.	2.50	.7	\$ 1.75
Fertilizer (20-0-0)	ac.	.80	1	.80
Machinery	ac.	.53	1	.53
Tractor (1)	hr.	1.48	.8	1.18
Tractor (2)	hr.	1.38	.1	.14
Tractor (3)	hr.	.63	.3	.19
Labor, Tractor & Machinery	hr.	2.00	1.5	3.00
Crop Insurance	\$100	12.70	.1	1.27
Interest on Op. Cap.	mo.	.085	8	.50
Subtotal, Pre-Harvest				<u>\$ 9.36</u>
Harvest:				
Combine	ac.	3.10	1	\$ 3.10
Haul	bu.	.05	22	1.10
Subtotal, Harvest				<u>\$ 4.20</u>
Total Variable Costs				\$ 13.56
3. Income Above Variable Costs				\$ 21.04
4. Fixed Costs:				
Machinery	ac.	.96	1	\$.96
Tractor (1)	hr.	1.72	.8	1.38
Tractor (2)	hr.	1.19	.1	.12
Tractor (3)	hr.	.72	.3	.22
Land Charge	ac.	6.98	1	<u>6.98</u>
Total Fixed Costs				\$ 9.66
5. Total Costs				\$ 23.22
6. Net Returns to Management				\$ 11.38
7. Government Payment (\$1.57/bu. x 22 bu. less rent) <u>1/</u>				\$ 23.03
8. Net Return Including Government Payment				\$ 34.41

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

Estimated 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
Tandem Disc	1,5	Jul	1	.31	.25	\$.18	\$.23
Chisel	2,7	Jul	.5	.16	.13	.06	.07
Tandem Disc	1,5	Aug	1	.31	.25	.18	.23
Fertilize	3	Aug	1	.35	.28	-	-
Plant	1,12	Sep	1	<u>.31</u>	<u>.25</u>	<u>.11</u>	<u>.43</u>
Total				1.44	1.16	\$.53	\$.96

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

Estimated Costs And Returns Per Acre Of Wheat, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain	bu.	\$ 1.30	18	\$ 23.40
Grazing	AUM	12.00	.5	6.00
Total				\$ 29.40
2. Variable Costs:				
Pre-Harvest				
Seed	bu.	2.50	.7	\$ 1.75
Machinery	ac.	.53	1	.53
Tractor (1)	hr.	1.48	.8	1.18
Tractor (2)	hr.	1.38	.1	.14
Labor, Tractor & Machinery	hr.	2.00	1.1	2.20
Crop Insurance	\$100	12.70	.1	1.27
Interest on Op. Cap.	mo.	.085	8	.40
Subtotal, Pre-Harvest				\$ 7.47
Harvest:				
Combine	ac.	3.00	1	\$ 3.00
Haul	bu.	.05	18	.90
Subtotal, Harvest				\$ 3.90
Total Variable Costs				\$ 11.37
3. Income Above Variable Costs				\$ 18.03
4. Fixed Costs:				
Machinery	ac.	.96	1	\$.96
Tractor (1)	hr.	1.72	.8	1.38
Tractor (2)	hr.	1.19	.1	.12
Land Charge	ac.	7.52	1	7.52
Total Fixed Costs				\$ 9.98
5. Total Costs				\$ 21.35
6. Net Returns to Management				\$ 8.05
7. Government Payment (\$1.57/bu. x 18 bu. less rent) ^{1/}				\$ 18.85
8. Net Return Including Government Payment				\$ 26.90

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

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

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AECO 6

Estimated 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
Tandem Disc	1,5	Jul	1	.31	.25	\$.18	\$.23
Chisel	2,7	Jul	.5	.16	.13	.06	.07
Tandem Disc	1,5	Aug	1	.31	.25	.18	.23
Plant	1,12	Sep	1	<u>.31</u>	<u>.25</u>	<u>.11</u>	<u>.43</u>
Total				1.09	.88	\$.53	\$.96

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