

TABLE 1. Acreage Summary, Otero County,
Projected 2005.

BUDGET AREA.....	DELL CITY AREA, OTERO COUNTY		
FARM SIZE.....	640 ACRES		
IRRIGATION TYPE.....	PIVOT/FLOOD		
NUMBER OF CROPS...	5		
	WATER USE		
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	55.00 *	6	330
ALFALFA	280.00	40	11,200
WHEAT	170.00	25	4,250
ARP	0.00		
FLEX IN COTTON	30.00	30	900
WHITE CORN	50.00	48	2,400
COTTON	42.50	30	1,275
ARP	0.00		
FLEX IN COTTON	7.50	30	225
GRAIN SORGHUM	25.50	36	918
ARP	0.00		
FLEX IN COTTON	4.50	30	135
ROADS, CORNERS, DITCHES, HOMESTEAD	30.00		
TOTAL	640.00		21,633
	ACRE FEET PER ACRE OF WATER RIGHTS		2.82

* DOUBLE-CROPPED

TABLE 2. Basic cost information for Dell City area, Otero County,
Projected 2005.

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$7.45
General & Irrigators	\$/hour		\$6.65
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.40
Phosphate (P205)	\$/pound		\$0.31
Anhydrous Ammonia (NH3)	\$/ton		\$400.00
Seed:			
Alfalfa	\$/pound		\$2.88
Wheat	\$/pound		\$0.24
White Corn	\$/bag		\$83.50
Cotton	\$/pound		\$0.72
Diesel fuel	\$/gallon		\$2.10
Gasoline	\$/gallon		\$2.05
Electricity (Rio Grande Elec)	cents/KwHr		6.45
LP Gas	\$/gallon		\$1.70
Baling Wire	\$/pound		\$0.50
Employee Liability Insurance	\$/ \$1,000 wages		\$20.00
Employee Benefits	percent/wages		18.00%
Labor Downtime	percent		25.00%
Financial Rates:			
Operating Capital Interest Rate	percent		7.00%
Land Interest Rate	percent		7.00%
Equipment Interest Rate	percent		7.00%
Real Interest Rate	percent		3.00%
Land Taxes	\$300.00 /acre (full value)		\$3.01
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value)	\$30.07 \$23.85
Supervision Factors			
Field Crop-Irrigation	\$/labor hour		\$1.00
Field Crop-Equipment & General	\$/labor hour		\$0.50
Management Rate	percent		7.00%

TABLE 3. Overhead cost information for Dell City area, Otero County,
Projected 2005.

Item			
Electricity (Domestic & Shop)		\$215.00 per month	\$2,580
Telephone		\$115.00 per month	\$1,380
Accounting & Legal			\$1,525
Misc. Supplies & Hand Tools			\$1,430
Pickup and Auto			
miles	20,014	@ \$0.365 per mile	\$7,305
Insurance			
- general liability (non-employee)			\$1,710
- fire/theft			\$1,525
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,290
Dues, fees, publications			\$405
Farmstead Equipment			\$185
		Total	\$25,345
		Total per planted acre	\$41.55

TABLE 4. Pumping costs and data for irrigation wells, Otero County, Projected 2005.

INPUT DATA			
DELIVERY PSI:			
SPRINKLER	40	DEPTH CHARACTERISTICS:	
		STATIC.....	75
		DRAW DOWN.....	50
		TOTAL HEAD.....	125
		CASING.....	350
GALLONS PER MINUTE (GPM)	1,100		
WORK HORSEPOWER	60		
EFFICIENCY FACTOR:			
ELECTRICITY	0.540		
LP GAS	0.140		
DIESEL	0.180		
FUEL COST PER UNIT:			
ELECTRICITY	6.45	CENTS/KwHr	
LP GAS	\$1.70	\$/GAL	
DIESEL	\$2.10	\$/GAL	
FUEL PUMPING COSTS			
ELECTRIC WELL:			
COST PER HOUR		\$5.41	
COST PER ACRE INCH		\$2.23	
LP GAS WELL:			
COST PER HOUR		\$20.35	
COST PER ACRE INCH		\$8.37	
DIESEL WELL:			
COST PER HOUR		\$12.69	
COST PER ACRE INCH		\$5.22	

TABLE 5. Equipment summary for a 640 acre sprinkler-irrigated farm with above average management, Otero County, Projected 2005.

EQUIPMENT		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	VARIABLE COSTS			FIXED COSTS			
ITEM & SIZE	FUEL, OIL, LUBRICANT				REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR	
TRACTOR	93 HP	857	2	\$18,946	\$10,703	\$1,777	\$12.48	\$2.07	\$1,974	\$346	\$2.71
TRACTOR	155 HP	328	1	\$39,492	\$6,170	\$1,765	\$18.83	\$5.39	\$5,985	\$450	\$19.64
COTTON STRIPPER	2 ROW	52	1	\$6,400		\$245		\$4.68	\$3,900	\$293	\$80.04
SWATHER	16 FT	154	1	\$21,350	\$1,211	\$223	\$7.86	\$1.45	\$3,621	\$363	\$25.87
BALER		238	1	\$3,900		\$52		\$0.22	\$550	\$55	\$2.54
BALE WAGON		280	1	\$9,890		\$6,503		\$23.23	\$2,250	\$226	\$8.84
PLANTER	6 ROW	27	1	\$4,250		\$55		\$2.04	\$850	\$43	\$32.82
CHISEL	7 SHANK	26	1	\$1,200		\$39		\$1.49	\$160	\$12	\$6.59
ROLLING CULTIVATOR	6 ROW	73	1	\$3,000		\$273		\$3.72	\$400	\$30	\$5.86
DISC	14 FT	131	1	\$3,000		\$488		\$3.72	\$400	\$30	\$3.28
PLOW	4 BTM	67	1	\$4,000		\$332		\$4.96	\$533	\$40	\$8.56
DRAG	14 FT	59	1	\$250		\$1		\$0.01	\$33	\$3	\$0.61
FLOAT	14 FT	27	1	\$600		\$0		\$0.02	\$60	\$5	\$2.39
DRILL	20 FT	27	1	\$3,600		\$47		\$1.73	\$720	\$36	\$28.00
LISTER 4 ROW	4 ROW	19	1	\$1,600		\$38		\$1.98	\$213	\$16	\$11.95
SPRAYER	30 FT	14	1	\$1,500		\$10		\$0.72	\$200	\$15	\$14.99
SHREDDER	2 ROW	25	1	\$1,250		\$5		\$0.20	\$167	\$13	\$7.31
COTTON TRAILER	8 BALE	85	4	\$4,800		\$4		\$0.05	\$480	\$48	\$6.25
CENTER PIVOT SPRINKLER		4,744	1	\$15,000					\$2,000	\$150	\$0.45
ELECTRIC WELL		8,900	2	\$39,000	\$48,180		\$5.41		\$3,120	\$391	\$0.39
				\$183,028	\$66,263	\$11,858			\$27,616	\$2,564	

TABLE 6. Alfalfa establishment, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005
Planting dates: August 1 - September 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	\$2.88	30 LBS	\$86.40					\$86.40
PUMP WATER*		6 AC. IN.						
SUBTOTAL			\$86.40					\$86.40
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16
CHISEL	155 HP	0.20 HR		\$1.49	\$3.77	\$1.37	\$5.25	\$11.88
PLOW	155 HP	0.48 HR		\$3.58	\$9.04	\$4.97	\$13.54	\$31.12
DISC (2X)	155 HP	0.28 HR		\$2.09	\$5.27	\$2.55	\$6.42	\$16.33
DRAG (2X)	155 HP	0.30 HR		\$2.24	\$5.65	\$1.62	\$6.08	\$15.58
DRILL	93 HP	0.12 HR		\$0.89	\$1.50	\$0.46	\$3.69	\$6.53
IRRIGATE (3X)		0.30 HR		\$2.00	\$13.36	\$0.00	\$2.09	\$17.45
SUBTOTAL		1.82 HR		\$13.32	\$41.22	\$12.24	\$40.26	\$107.04
OVERHEAD EXPENSES								
DOWNTIME		0.12 HR		\$0.86				\$0.86
EMPLOYEE BENEFITS				\$2.40				\$2.40
INSURANCE			\$0.27					\$0.27
SUPERVISION AND MANAGEMENT				\$14.07				\$14.07
SUBTOTAL		0.12	\$0.27	\$17.33				\$17.59
TOTAL OPERATING EXPENSES		1.94 HR	\$86.67	\$30.64	\$41.22	\$12.24	\$40.26	\$211.04

TABLE 7. Alfalfa hay, pivot sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005
Harvesting dates: June 1 - October 10

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$130.00	6.50 TONS (STACKED)						\$845.00
GRAZING	\$15.00	1.00 ACRE						\$15.00
TOTAL								\$860.00
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
NITROGEN (N)	\$0.40	75 LBS	\$30.00					\$30.00
PHOSPHATE (P2O5)	\$0.31	200 LBS	\$62.00					\$62.00
INSECTICIDE	\$16.03	2 X/ACRE	\$32.05					\$32.05
ESTABLISHMENT: Principal		5 YEARS					\$42.21	\$42.21
: Interest							\$7.50	\$7.50
BALING TWINE	\$0.50	56 LBS	\$0.28					\$0.28
PUMP WATER*		40 AC. IN.						
SUBTOTAL			\$124.33				\$49.70	\$174.03
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DRAG	93 HP	0.15 HR		\$1.12	\$1.87	\$0.31	\$0.50	\$3.80
IRRIGATE (11X)		1.10 HR		\$7.32	\$89.09	\$0.00	\$13.95	\$110.35
SUBTOTAL		1.25 HR		\$8.43	\$90.96	\$0.31	\$14.45	\$114.15
HARVEST OPERATIONS								
SWATHER (5X)	16 FT	0.55 HR		\$4.10	\$4.32	\$0.80	\$14.23	\$23.44
BALER (5X)	93 HP	0.85 HR		\$6.33	\$10.61	\$1.95	\$4.46	\$23.35
LOAD (5X)	93 HP	1.00 HR		\$7.45	\$12.48	\$24.76	\$11.55	\$56.24
SUBTOTAL		2.40 HR		\$17.88	\$27.42	\$27.51	\$30.24	\$103.04
OVERHEAD EXPENSES								
DOWNTIME		0.60 HR		\$4.47				\$4.47
EMPLOYEE BENEFITS				\$4.74				\$4.74
INSURANCE			\$0.53					\$0.53
LAND TAXES							\$3.01	\$3.01
SUPERVISION AND MANAGEMENT				\$62.50				\$62.50
OTHER EXPENSES			\$41.55					\$41.55
SUBTOTAL		0.60 HR	\$42.08	\$71.71			\$3.01	\$116.79
TOTAL OPERATING EXPENSES		4.25 HR	\$166.41	\$98.02	\$118.38	\$27.82	\$97.40	\$508.01
NET OPERATING PROFIT								\$351.99
INTEREST ON OPERATING CAPITAL		(\$89.56 @ 7.00%)						\$6.27
INTEREST ON EQUIPMENT INVESTMENT								\$25.08
RETURN TO LAND AND RISK								\$320.63

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$860.00	
VARIABLE OPERATING EXPENSES	\$312.60		
RETURN OVER VARIABLE EXPENSES		\$547.40	(GROSS MARGIN)
FIXED EXPENSES	\$97.40		
NET FARM INCOME		\$450.00	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$98.02		
NET OPERATING PROFIT		\$351.99	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$31.35		
RETURN TO LAND AND RISK		\$320.63	

TABLE 8. Wheat, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area
 Projected 2005.
 Planting dates: August 15 - September 15
 Harvesting dates: July 15 - July 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$6.25	35.00 CWT		\$218.75
DIRECT PAYMENT	\$0.00	35.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$25.00	1.00 ACRE		\$25.00
TOTAL				\$243.75

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.24	150 LBS	\$36.00		\$36.00
ANHYDROUS (NH3)	\$0.20	125 LBS	\$25.00		\$25.00
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
PUMP WATER*		25 AC. IN.			\$0.00
CROP INSURANCE	\$0.29		\$0.29		\$0.29
SUBTOTAL			\$61.29	\$5.00	\$66.29

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$3.77	\$1.08	\$3.93	\$17.26
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16
DRILL	93 HP	0.12 HR		\$0.89	\$1.50	\$0.46	\$3.69	\$6.53
IRRIGATE (5X)		2.50 HR		\$16.63	\$55.68	\$0.00	\$4.06	\$76.36
SUBTOTAL		3.10 HR	\$7.00	\$21.10	\$66.21	\$4.08	\$18.09	\$116.48

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$26.00					\$26.00
SUBTOTAL			\$26.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.00

OVERHEAD EXPENSES								
DOWNTIME		0.15 HR		\$1.12				\$1.12
EMPLOYEE BENEFITS				\$3.80				\$3.80
INSURANCE			\$0.42					\$0.42
LAND TAXES						\$3.01		\$3.01
SUPERVISION AND MANAGEMENT				\$19.86				\$19.86
OTHER EXPENSES			\$41.55					\$41.55
SUBTOTAL		0.15 HR	\$41.97	\$24.78			\$3.01	\$69.76

TOTAL OPERATING EXPENSES		3.25 HR	\$136.27	\$45.87	\$66.21	\$4.08	\$26.09	\$278.53
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NET OPERATING PROFIT (\$34.78)

INTEREST ON OPERATING CAPITAL	(\$48.22	@	7.00%)	\$3.38
INTEREST ON EQUIPMENT INVESTMENT						\$7.92

RETURN TO LAND AND RISK (\$46.07)

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$243.75	
VARIABLE OPERATING EXPENSES	\$206.56		
RETURN OVER VARIABLE EXPENSES	\$37.19		(GROSS MARGIN)
FIXED EXPENSES	\$26.09		
NET FARM INCOME	\$11.09		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$45.87		
NET OPERATING PROFIT	(\$34.78)		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$11.29		
RETURN TO LAND AND RISK	(\$46.07)		

TABLE 9. White corn, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005.
Planting dates: April 15 - May 15
Harvesting dates: October 1 - November 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
CORN	\$7.50	70.00 CWT	\$525.00
GRAZING	\$20.00	1.00 ACRE	\$20.00
TOTAL			\$545.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.84	25 000	\$20.88		\$20.88
NITROGEN (N)	\$0.40	30 LBS	\$12.00		\$12.00
PHOSPHATE (P2O5)	\$0.31	70 LBS	\$21.70		\$21.70
TRACE ELEMENTS	\$0.15	65 LBS	\$9.75		\$9.75
ANHYDROUS (NH3)	\$0.20	175 LBS	\$35.00		\$35.00
INSECTICIDE (CUSTOM)	\$16.03	3 ACRE	\$48.08		\$48.08
HERBICIDE	\$9.45	1 ACRE	\$9.45		\$9.45
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
PUMP WATER*		48 AC. IN.			\$0.00
SUBTOTAL			\$156.85	\$5.00	\$161.85

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16
CHISEL	155 HP	0.20 HR		\$1.49	\$3.77	\$1.37	\$5.25	\$11.88
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$3.77	\$1.08	\$3.93	\$17.26
DISC & SPRAY	155 HP	0.19 HR		\$1.42	\$3.58	\$1.87	\$7.20	\$14.06
LISTER	155 HP	0.12 HR		\$0.89	\$2.26	\$0.88	\$3.79	\$7.83
PLANTER	93 HP	0.17 HR		\$1.27	\$2.12	\$0.70	\$6.04	\$10.13
ROLLING CULT (3X)	93 HP	0.39 HR		\$2.91	\$4.87	\$2.26	\$3.34	\$13.37
IRRIGATE (8X)		4.00 HR		\$26.60	\$106.90	\$0.00	\$7.79	\$141.29
SUBTOTAL		5.41 HR	\$7.00	\$37.10	\$129.90	\$9.44	\$40.55	\$223.99

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$23.25					\$23.25
HAUL (CUSTOM)			\$14.00					\$14.00
SUBTOTAL			\$37.25	\$0.00	\$0.00	\$0.00	\$0.00	\$37.25

OVERHEAD EXPENSES								
DOWNTIME		0.27 HR		\$2.03				\$2.03
EMPLOYEE BENEFITS				\$6.68				\$6.68
INSURANCE			\$0.74					\$0.74
LAND TAXES						\$3.01		\$3.01
SUPERVISION AND MANAGEMENT				\$44.27				\$44.27
OTHER EXPENSES			\$41.55					\$41.55
SUBTOTAL		0.27 HR	\$42.29	\$52.97		\$3.01		\$98.27

TOTAL OPERATING EXPENSES 5.68 HR \$243.39 \$90.08 \$129.90 \$9.44 \$48.55 \$521.36

NET OPERATING PROFIT \$23.64

INTEREST ON OPERATING CAPITAL (\$113.26 @ 7.00%) \$7.93
INTEREST ON EQUIPMENT INVESTMENT \$17.57

RETURN TO LAND AND RISK (\$1.85)

* Pump water costs are shown under irrigation in the preharvest operations section.
BUDGET SUMMARY

GROSS RETURN		\$545.00	
VARIABLE OPERATING EXPENSES	\$382.73		
RETURN OVER VARIABLE EXPENSES		\$162.27	(GROSS MARGIN)
FIXED EXPENSES	\$48.55		
NET FARM INCOME		\$113.72	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$90.08		
NET OPERATING PROFIT		\$23.64	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$25.50		
RETURN TO LAND AND RISK		(\$1.85)	

TABLE 10. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005.
 Planting dates: April 15 - May 15
 Harvesting dates: November 1 - January 15

ITEM	PRICE	YIELD	BASE						TOTAL	
GROSS RETURNS										
COTTON LINT	\$0.55	1,000.00 LBS							\$550.00	
COTTON SEED	\$0.07	1,600.00 LBS							\$104.00	
DIRECT PAYMENT	\$0.0000	1,000.00 LBS		0.85					\$0.00	
COUNTER CYCLICAL PAYMENT	\$0.1373	720.00 LBS		0.85					\$84.03	
TOTAL									\$738.03	
PURCHASED INPUTS										
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS						FIXED COST	TOTAL
SEED	\$0.72	25 LBS	\$18.00						\$18.00	
NITROGEN (N)	\$0.40	72 LBS	\$28.80						\$28.80	
PHOSPHATE (P2O5)	\$0.31	184 LBS	\$57.04						\$57.04	
HERBICIDE (CUSTOM)	\$19.93	1 X/ACRE	\$19.93						\$19.93	
INSECTICIDE (CUSTOM)	\$18.91	1 X/ACRE	\$18.91						\$18.91	
CROP INSURANCE	\$0.59	FCIC	\$0.59						\$0.59	
PUMP WATER*		30 AC. IN.								
SUBTOTAL			\$143.27						\$143.27	
PREHARVEST OPERATIONS										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL		
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16		
PLow	155 HP	0.48 HR		\$3.58	\$9.04	\$4.97	\$13.54	\$31.12		
DISC (2X)	155 HP	0.28 HR		\$2.09	\$5.27	\$2.55	\$6.42	\$16.33		
FLOAT (2X)	93 HP	0.32 HR		\$2.38	\$3.99	\$0.67	\$1.63	\$8.68		
LISTER	155 HP	0.12 HR		\$0.89	\$2.26	\$0.88	\$3.79	\$7.83		
PLANTER	155 HP	0.17 HR		\$1.27	\$3.20	\$1.26	\$8.92	\$14.65		
ROLLING CULT. (4X)	93 HP	0.52 HR		\$3.87	\$6.49	\$3.01	\$4.45	\$17.83		
HAND HOE (CUSTOM)			\$25.00					\$25.00		
IRRIGATE (6X)		3.00 HR		\$19.95	\$66.81	\$0.00	\$4.87	\$91.63		
SUBTOTAL		5.03 HR	\$25.00	\$35.07	\$99.71	\$14.62	\$46.82	\$221.22		
HARVEST OPERATIONS										
COTTON STRIPPER	93 HP	0.62 HR		\$4.62	\$7.74	\$4.19	\$51.30	\$67.85		
HAUL	93 HP	1.00 HR		\$7.45	\$12.48	\$2.12	\$8.96	\$31.01		
GIN COTTON (CUSTOM)			\$204.40					\$204.40		
SUBTOTAL		1.62 HR	\$204.40	\$12.07	\$20.22	\$6.31	\$60.26	\$303.26		
POST HARVEST OPERATIONS										
SHREDDER	93 HP	0.29 HR		\$2.16	\$3.62	\$0.66	\$2.91	\$9.35		
OVERHEAD EXPENSES										
DOWNTIME		0.91 HR		\$6.74				\$6.74		
EMPLOYEE BENEFITS				\$8.49				\$8.49		
INSURANCE			\$0.94					\$0.94		
LAND TAXES							\$3.01	\$3.01		
SUPERVISION AND MANAGEMENT				\$57.75				\$57.75		
OTHER EXPENSES			\$41.55					\$41.55		
SUBTOTAL		0.91 HR	\$42.49	\$72.97			\$3.01	\$118.47		
TOTAL OPERATING EXPENSES		7.85 HR	\$415.16	\$122.28	\$123.55	\$21.59	\$113.00	\$795.57		
NET OPERATING PROFIT								(\$57.54)		
INTEREST ON OPERATING CAPITAL			(\$102.43 @	7.00%)			\$7.17		
INTEREST ON EQUIPMENT INVESTMENT								\$49.91		
RETURN TO LAND AND RISK								(\$114.62)		

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$738.03	
VARIABLE OPERATING EXPENSES	\$560.30		
RETURN OVER VARIABLE EXPENSES		\$177.73	(GROSS MARGIN)
FIXED EXPENSES	\$113.00		
NET FARM INCOME		\$64.74	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$122.28		
NET OPERATING PROFIT		(\$57.54)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$57.08		
RETURN TO LAND AND RISK		(\$114.62)	

TABLE 11. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005.
Planting dates: May 1 - June 15
Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
GRAIN SORGHUM	\$3.70	50.00 CWT							\$184.82
DIRECT PAYMENT	\$0.00	50.00 CWT	0.85						\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT							\$0.00
GRAZING	\$10.00	1 ACRE							\$10.00
TOTAL									\$194.82
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$1.04	12 LBS	\$12.48					\$12.48	
ANHYDROUS (NH3)	\$0.20	150 LBS	\$30.00					\$30.00	
NITROGEN (N)	\$0.40	18 LBS	\$7.20					\$7.20	
PHOSPHATE (P2O5)	\$0.31	46 LBS	\$14.26					\$14.26	
INSECTICIDE	\$14.17	1 ACRE	\$14.17					\$14.17	
HERBICIDE	\$12.26	1 ACRE	\$12.26					\$12.26	
LIVESTOCK FAC & EQUIP							\$5.00	\$5.00	
PUMP WATER		36 AC. IN.	\$0.00					\$0.00	
CROP INSURANCE	\$1.96							\$1.96	
SUBTOTAL			\$90.37				\$5.00	\$97.37	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.04	\$2.64	\$1.27	\$3.21	\$8.16	
CHISEL	155 HP	0.20 HR		\$1.49	\$3.77	\$1.37	\$5.25	\$11.88	
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$3.77	\$1.08	\$3.93	\$17.26	
DISC & SPRAY	155 HP	0.19 HR		\$1.42	\$3.58	\$1.87	\$7.20	\$14.06	
LISTER	155 HP	0.12 HR		\$0.89	\$2.26	\$0.88	\$3.79	\$7.83	
PLANTER	155 HP	0.17 HR		\$1.27	\$3.20	\$1.26	\$8.92	\$14.65	
ROLLING CULT (3X)	93 HP	0.39 HR		\$2.91	\$4.87	\$2.26	\$3.34	\$13.37	
IRRIGATE (6X)		3.00 HR		\$22.35	\$80.18	\$0.00	\$5.84	\$108.37	
SUBTOTAL		4.41 HR	\$7.00	\$32.85	\$104.25	\$10.00	\$41.48	\$195.58	
HARVEST OPERATIONS									
COMBINE (CUSTOM)	14 FT SP		\$15.00					\$15.00	
SUBTOTAL		0.00 HR	\$15.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.00	
OVERHEAD EXPENSES									
DOWNTIME		1.10 HR		\$8.21				\$8.21	
EMPLOYEE BENEFITS				\$5.91				\$5.91	
INSURANCE			\$0.66					\$0.66	
LAND TAXES							\$3.01	\$3.01	
SUPERVISION AND MANAGEMENT				\$15.84				\$15.84	
OTHER EXPENSES			\$41.55					\$41.55	
SUBTOTAL		1.10 HR	\$42.21	\$29.97				\$3.01	\$75.18
TOTAL OPERATING EXPENSES		5.51 HR	\$154.58	\$62.82	\$104.25	\$10.00	\$49.48	\$383.10	
NET OPERATING PROFIT								(\$188.28)	
INTEREST ON OPERATING CAPITAL		(\$77.23 @	7.00%)				\$5.41	
INTEREST ON EQUIPMENT INVESTMENT								\$18.20	
RETURN TO LAND AND RISK								(\$211.89)	

BUDGET SUMMARY

GROSS RETURN		\$194.82	
VARIABLE OPERATING EXPENSES	\$268.83		
RETURN OVER VARIABLE EXPENSES		(\$74.01)	(GROSS MARGIN)
FIXED EXPENSES	\$49.48		
NET FARM INCOME		(\$123.49)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$62.82		
NET OPERATING PROFIT		(\$186.32)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$23.61		
RETURN TO LAND AND RISK		(\$209.93)	

TABLE 12. Summary of per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2005.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	WHEAT	WHITE CORN	STRIPPER COTTON	GRAIN SORGHUM
		TONS	CWT	CWT	LBS	CWT
PRIMARY YIELD		6.50	35.00	70.00	1,000.00	50.00
PRIMARY PRICE		\$130.00	\$6.25	\$27.50	\$0.55	\$3.70
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$84.03	\$0.00
SECOND INCOME		\$15.00	\$25.00	\$20.00	\$104.00	\$10.00
GROSS RETURN		\$860.00	\$243.75	\$545.00	\$738.03	\$194.82
CASH OPERATING EXPENSES						
SEED	\$86.40		\$36.00	\$20.88	\$18.00	\$12.48
FERTILIZER		\$124.05	\$25.00	\$78.45	\$28.80	\$51.46
CHEMICALS				\$57.52	\$38.84	\$26.43
CROP INSURANCE			\$0.29		\$0.59	\$1.96
OTHER PURCHASED INPUTS		\$0.28			\$57.04	
CANAL WATER						
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$27.86	\$29.29	\$10.54	\$23.00	\$56.74	\$24.07
FUEL-IRRIGATION	\$13.36	\$89.09	\$55.68	\$106.90	\$66.81	\$80.18
REPAIRS	\$12.24	\$27.82	\$4.08	\$9.44	\$21.59	\$10.00
CUSTOM CHARGES			\$33.00	\$44.25	\$229.40	\$22.00
LAND TAXES		\$3.01	\$3.01	\$3.01	\$3.01	\$3.01
OTHER EXPENSES	\$0.27	\$42.08	\$41.97	\$42.29	\$42.49	\$42.21
TOTAL CASH EXPENSES	\$140.13	\$315.61	\$209.57	\$385.73	\$563.30	\$273.80
RETURN OVER CASH EXPENSES	(\$140.13)	\$544.39	\$34.18	\$159.27	\$174.72	(\$78.98)
FIXED EXPENSES	\$40.26	\$94.39	\$23.09	\$45.55	\$109.99	\$46.48
TOTAL EXPENSES	\$180.39	\$410.00	\$232.66	\$431.28	\$673.29	\$320.27
NET FARM INCOME	(\$180.39)	\$450.00	\$11.09	\$113.72	\$64.74	(\$125.45)
LABOR AND MANAGEMENT COSTS	\$30.64	\$98.02	\$45.87	\$90.08	\$122.28	\$62.82
NET OPERATING PROFIT	(\$211.04)	\$351.99	(\$34.78)	\$23.64	(\$57.54)	(\$188.28)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$6.27	\$3.38	\$7.93	\$7.17	\$5.41
INTEREST ON EQUIPMENT INVESTMENT		\$25.08	\$7.92	\$17.57	\$49.91	\$18.20
TOTAL CAPITAL COSTS	\$0.00	\$31.35	\$11.29	\$25.50	\$57.08	\$23.61
RETURN TO LAND AND RISK	(\$211.04)	\$320.63	(\$46.07)	(\$1.85)	(\$114.62)	(\$211.89)

TABLE 13. Whole farm summary, Dell City area, Otero County,
Projected 2005.

GROSS RETURNS		
ALFALFA HAY	280.00 ACRES	
CROP		\$240,800
WHEAT	170.00 ACRES	
CROP		\$37,188
GRAZING		\$4,250
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
WHITE CORN	50.00 ACRES	
CROP		\$26,250
GRAZING		\$1,000
COTTON	84.50 ACRES	
LINT		\$46,475
SEED		\$8,788
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$7,100
GRAIN SORGHUM	25.50 ACRES	
CROP		\$4,713
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAZING		\$255
GROSS RETURN		<u>\$376,819</u>
CASH OPERATING EXPENSES		
SEED		\$13,755
FERTILIZER		\$46,653
CHEMICALS		\$6,832
CROP INSURANCE		\$266
OTHER PURCHASED INPUTS		\$4,898
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$18,083
FUEL-IRRIGATION		\$48,180
REPAIRS		\$11,707
CUSTOM CHARGES		\$27,768
LAND TAXES		\$1,834
OTHER EXPENSES		\$25,712
TOTAL CASH EXPENSES		<u>\$205,688</u>
RETURN OVER CASH EXPENSES		\$171,131
FIXED EXPENSES		\$33,507
TOTAL EXPENSES		\$239,194
NET FARM INCOME		\$137,625
LABOR AND MANAGEMENT COSTS		\$53,367
NET OPERATING PROFIT		\$84,257
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$3,469
INTEREST ON EQUIPMENT INVESTMENT		\$13,929
TOTAL CAPITAL COSTS		<u>\$17,399</u>
RETURN TO LAND AND RISK		<u>\$66,859</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	\$57,259	16.75%
\$750 /ACRE	\$52,459	12.71%
\$1,000 /ACRE	\$47,659	10.24%
\$1,250 /ACRE	\$42,859	8.57%
\$1,500 /ACRE	\$38,059	7.37%

* RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)

** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)