

TABLE 1. Acreage Summary, Union County, Projected 2004.

BUDGET AREA..... UNION COUNTY	
FARM SIZE.....	1,280 ACRES
IRRIGATION TYPE.....	SPRINKLER
NUMBER OF CROPS....	4

ACREAGE SUMMARY:	WATER USE		
	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
WHEAT	446.25	11	4,909
ARP	0.00		
FLEX IN WHEAT	78.75	11	866
CORN	178.50	34	6,069
ARP	0.00		
FLEX IN WHEAT	31.50	11	347
GRAIN SORGHUM	267.75	12	3,213
ARP	0.00		
FLEX IN WHEAT	47.25	11	520
HAYGRAZER	190.00		
ROADS, HOMESTEAD	40.00		
TOTAL	1,280.00		15,923
ACRE FEET PER ACRE OF WATER RIGHTS			1.04

TABLE 2. Basic cost information for Union County, Projected 2004.

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$7.55
General & Irrigators	\$/hour		\$6.65
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.29
Phosphate (P205)	\$/pound		\$0.20
Seed:			
Wheat	\$/pound		\$0.18
Corn for Grain	\$/bag		\$85.00
Grain Sorghum	\$/pound		\$1.30
Haygrazer/Millet	\$/pound		\$0.45
Natural gas	\$/MCF		\$7.22
(service charge)	\$/month		\$10.00
Diesel fuel	\$/gallon		\$1.50
Gasoline	\$/gallon		\$1.45
Electricity	cents/KwHr		5.73
LP Gas	\$/gallon		\$1.21
Baling Twine	\$/roll		\$19.00
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		6.50%
Land Interest Rate	percent		6.00%
Equipment Interest Rate	percent		6.50%
Real Interest Rate	percent		4.00%
Land Taxes	\$27.00 /acre		\$0.30
Personal Property Tax Rate	- NR	\$/(\$1,000	(Assessed Value)
	- R		\$33.75
			\$26.10
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 Union County, Projected 2004.

Item			
Electricity (Domestic & Shop)		\$435.00 per month	\$5,220
Telephone		\$215.00 per month	\$2,580
Accounting & Legal			\$3,230
Misc. Supplies & Hand Tools			\$3,920
Pickup and Auto			
miles	31,000	@ \$0.365 per mile	\$11,315
Insurance			
- general liability (non-employee)			\$4,030
- fire/theft			\$2,045
Property Taxes			
- non-planted land			\$20
- other than land & machinery			\$985
Building repairs and maintenance			\$1,705
Dues, fees, publications			\$391
Farmstead Equipment			\$255
Total			\$35,696
Total per planted acre			\$27.93
Total per dryland acre			\$5.59

TABLE 4. Pumping costs and data for irrigation wells, Union County
Projected 2004.

INPUT DATA			
DELIVERY PSI:			DEPTH CHARACTERISTICS:
SPRINKLER	30		STATIC.....
			DRAW DOWN.....
			TOTAL HEAD.....
			CASING.....
GALLONS PER MINUTE (GPM)	700.00		
WORK HORSEPOWER	52.91		
EFFICIENCY FACTOR:			
ELECTRICITY	0.540		
NATURAL GAS	0.140		
LP GAS	0.140		
DIESEL	0.180		
FUEL COST PER UNIT:			
ELECTRICITY	5.73	CENTS/KwHr	
NATURAL GAS	\$7.22	\$/MCF	
LP GAS	\$1.21	\$/GAL	
DIESEL	\$1.50	\$/GAL	
FUEL PUMPING COST			
ELECTRIC WELL:			
COST PER HOUR		\$4.22	
COST PER ACRE INCH		\$2.73	
NATURAL GAS WELL:			
COST PER HOUR		\$7.64	
COST PER ACRE INCH		\$4.94	
LP GAS WELL:			
COST PER HOUR		\$12.70	
COST PER ACRE INCH		\$8.21	
DIESEL WELL:			
COST PER HOUR		\$7.95	
COST PER ACRE INCH		\$5.14	

TABLE 5. Equipment summary for a 1,280 acre sprinkler-irrigated farm with above average management, Union County,
Projected 2004.

EQUIPMENT					VARIABLE COSTS				FIXED COSTS		
ITEM & SIZE		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR
TRACTOR	95 HP	158	1	\$19,045	\$1,625	\$744	\$10.30	\$4.72	\$1,226	\$241	\$9.30
TRACTOR	126 HP	244	1	\$31,240	\$2,583	\$934	\$10.60	\$3.84	\$2,740	\$385	\$12.83
TRACTOR	185 HP	361	1	\$38,035	\$5,622	\$3,572	\$15.57	\$9.89	\$5,995	\$506	\$18.00
COMBINE	145 HP	158	1	\$35,240	\$2,099	\$0	\$13.31	\$0.00	\$7,600	\$641	\$52.26
SWATHER	14 FT	30	1	\$3,900	\$171	\$53	\$5.62	\$1.74	\$1,450	\$163	\$53.06
ROUND BALER		32	1	\$3,500		\$18		\$0.55	\$550	\$62	\$18.94
PLANTER	8 ROW	54	1	\$5,500		\$577		\$10.78	\$733	\$62	\$14.85
CHISEL HAYMIE	21 FT	112	1	\$1,650		\$105		\$0.94	\$220	\$19	\$2.14
ROLLING CULTIVATOI	8 ROW	62	1	\$4,000		\$155		\$2.48	\$533	\$45	\$9.26
DISC	28 FT	174	1	\$10,000		\$0		\$0.00	\$1,333	\$113	\$8.32
DRILL	21 FT	95	1	\$4,500		\$1,080		\$11.34	\$900	\$51	\$9.98
CORN HEAD	8 ROW	36	1	\$9,820		\$232		\$6.50	\$1,667	\$141	\$50.62
GRAIN TABLE	22 FT	122	1	\$4,150		\$156		\$1.28	\$501	\$42	\$4.46
SPRAYER	30 FT	45	1	\$1,500		\$122		\$2.73	\$200	\$17	\$4.86
GRAIN CART		158	1	\$3,100		\$0		\$0.00	\$413	\$35	\$2.84
SEMI-TRACTOR/TRAILER		120	1	\$17,500	\$2,152	\$2,041	\$17.90	\$16.98	\$3,500	\$197	\$30.75
TANDEM-AXLE TRUCK		37	1	\$9,100	\$374	\$191	\$9.98	\$5.10	\$1,820	\$102	\$51.28
MINI-GATOR SPRINKLER		10,295	2	\$5,600	\$962	\$206	\$0.09	\$0.02	\$747	\$63	\$0.08
CENTER PIVOT SPRINKLER		10,295	5	\$75,000	\$5,114	\$9,317	\$0.50	\$0.91	\$10,000	\$844	\$1.05
NATURAL GAS WELL		10,295	3	\$61,500	\$78,677	\$2,342	\$7.64	\$0.23	\$6,474	\$692	\$0.73
				\$343,880	\$99,380	\$21,845			\$48,602	\$4,420	

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2004.
Planting dates: August 15 - November 15
Harvesting dates: July 1 - July 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$3.75	47.00 BUSHELS		\$176.25
DIRECT PAYMENT	\$0.52	47.00 BUSHELS	0.85	\$20.77
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$37.50	1.00 ACRE		\$37.50
TOTAL				\$234.52

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.18	100 LBS	\$18.00		\$18.00
MANURE	\$2.70	8 TON	\$21.60		\$21.60
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
PUMP WATER*		11 AC. IN.			
CROP INSURANCE	\$0.08				\$0.08
SUBTOTAL			\$39.60	\$5.00	\$44.68

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.53	\$1.09	\$0.69	\$1.84	\$4.15
CHISEL	185 HP	0.09 HR		\$0.68	\$1.40	\$0.97	\$1.81	\$4.87
DISC	185 HP	0.07 HR		\$0.53	\$1.09	\$0.69	\$1.84	\$4.15
DRILL	126 HP	0.12 HR		\$0.91	\$1.27	\$1.82	\$2.74	\$6.74
IRRIGATE (7X)		0.70 HR		\$4.66	\$58.55	\$8.20	\$13.25	\$84.65
SUBTOTAL		1.05 HR		\$7.30	\$63.40	\$12.38	\$21.48	\$104.56

HARVEST OPERATIONS								
COMBINE	GRAIN TABLE	0.14 HR		\$1.06	\$1.86	\$0.18	\$7.94	\$11.04
GRAIN CART	93 HP	0.14 HR		\$1.06	\$1.44	\$0.66	\$1.70	\$4.86
HAUL	SEMI	0.14 HR		\$1.06	\$2.51	\$2.38	\$4.30	\$10.24
SUBTOTAL		0.42 HR	\$0.00	\$3.17	\$5.81	\$3.22	\$13.95	\$26.15

OVERHEAD EXPENSES								
DOWNTIME		0.19 HR		\$1.45				\$1.45
EMPLOYEE BENEFITS				\$1.88				\$1.88
INSURANCE			\$0.21					\$0.21
LAND TAXES							\$0.30	\$0.30
SUPERVISION AND MANAGEMENT				\$17.50				\$17.50
OTHER EXPENSES			\$27.93					\$27.93
SUBTOTAL		0.19 HR	\$28.14	\$20.84			\$0.30	\$49.28

TOTAL OPERATING EXPENSES		1.66 HR	\$67.74	\$31.31	\$69.21	\$15.59	\$40.73	\$224.67
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NET OPERATING PROFIT \$9.85

INTEREST ON OPERATING CAPITAL (\$39.54 @ 6.50%) \$2.57

INTEREST ON EQUIPMENT INVESTMENT \$11.97

RETURN TO LAND AND RISK (\$4.68)

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

BUDGET SUMMARY

GROSS RETURN		\$234.52	
VARIABLE OPERATING EXPENSES	\$152.55		
RETURN OVER VARIABLE EXPENSES		\$81.98	(GROSS MARGIN)
FIXED EXPENSES	\$40.73		
NET FARM INCOME		\$41.24	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$31.31		
NET OPERATING PROFIT		\$9.94	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.54		
RETURN TO LAND AND RISK		(\$4.60)	

TABLE 7. Corn for grain, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2004.
Planting dates: April 15 - May 15
Harvesting dates: October 1 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
CORN FOR GRAIN	\$2.45	185.00 BUSHEL		\$453.25
DIRECT PAYMENT	\$0.28	185.00 BUSHEL	0.85	\$44.03
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 BUSHEL		\$0.00
GRAZING	\$20.00	1.00 ACRE		\$20.00
TOTAL				\$517.28

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.06	26 000	\$27.63		\$27.63
NITROGEN (N)	\$0.29	220 LBS	\$63.80		\$63.80
PHOSPHATE (P2O5)	\$0.20	70 LBS	\$14.00		\$14.00
POTASSIUM (K-MAG)	\$0.12	300 LBS	\$34.50		\$34.50
INSECTICIDE	\$20.48	3 ACRE	\$61.44		\$61.44
HERBICIDE	\$28.16	1 ACRE	\$28.16		\$28.16
LIVESTOCK FAC & EQUIP				\$5.00	\$5.00
PUMP WATER*		34 AC. IN.			
CROP INSURANCE	\$0.28				\$0.28
SUBTOTAL			\$229.53	\$5.00	\$234.81

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.53	\$1.09	\$0.69	\$1.84	\$4.15
CHISEL	185 HP	0.09 HR		\$0.68	\$1.40	\$0.97	\$1.81	\$4.87
DISC & SPRAY	185 HP	0.10 HR		\$0.76	\$1.56	\$1.26	\$3.12	\$6.69
PLANTER	126 HP	0.12 HR		\$0.91	\$1.27	\$1.75	\$3.32	\$7.25
ROLLING CULT (2X)	126 HP	0.20 HR		\$1.51	\$2.12	\$1.26	\$4.42	\$9.31
SIDEDRESS	185 HP	0.17 HR		\$1.28	\$2.65	\$1.68	\$3.06	\$8.67
IRRIGATE (16X)		1.60 HR		\$10.64	\$180.97	\$25.33	\$40.95	\$257.89
SUBTOTAL		2.35 HR		\$16.30	\$191.06	\$32.96	\$58.52	\$298.84

HARVEST OPERATIONS								
COMBINE	CORN HEAD	0.20 HR		\$1.51	\$2.66	\$1.30	\$20.58	\$26.05
GRAIN CART	93 HP	0.20 HR		\$1.51	\$2.06	\$0.94	\$2.43	\$6.94
HAUL	SEMI	0.20 HR		\$1.51	\$3.58	\$3.40	\$6.15	\$14.64
SUBTOTAL		0.60 HR	\$0.00	\$4.53	\$8.30	\$5.64	\$29.16	\$47.63

OVERHEAD EXPENSES								
DOWNTIME		0.30 HR		\$2.23				\$2.23
EMPLOYEE BENEFITS				\$3.75				\$3.75
INSURANCE			\$0.42					\$0.42
LAND TAXES							\$0.30	\$0.30
SUPERVISION AND MANAGEMENT				\$39.45				\$39.45
OTHER EXPENSES			\$27.93					\$27.93
SUBTOTAL		0.30 HR	\$28.35	\$45.43			\$0.30	\$74.08

TOTAL OPERATING EXPENSES 3.25 HR \$257.87 \$66.26 \$199.36 \$38.60 \$92.98 \$655.36

NET OPERATING PROFIT (\$138.08)

INTEREST ON OPERATING CAPITAL (\$178.45 @ 6.50%) \$11.60
INTEREST ON EQUIPMENT INVESTMENT \$27.46

RETURN TO LAND AND RISK (\$177.14)

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

BUDGET SUMMARY

GROSS RETURN		\$517.28	
VARIABLE OPERATING EXPENSES	\$495.83		
RETURN OVER VARIABLE EXPENSES	\$21.45	(GROSS MARGIN)	
FIXED EXPENSES	\$92.98		
NET FARM INCOME	(\$71.54)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$66.26		
NET OPERATING PROFIT	(\$137.79)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$39.06		
RETURN TO LAND AND RISK	(\$176.86)		

TABLE 8. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2004.
Planting dates: May 15 - June 15
Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
GRAIN SORGHUM	\$4.03	25.00 CWT							\$100.75
DIRECT PAYMENT	\$0.35	25.00 CWT	0.85						\$7.44
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT							\$0.00
GRAZING	\$5.00	1.00 ACRE							\$5.00
TOTAL									\$113.19
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
SEED	\$1.30	5 LBS	\$6.50						\$6.50
NITROGEN (N)	\$0.29	150 LBS	\$43.50						\$43.50
PHOSPHATE (P205)	\$0.20	50 LBS	\$10.00						\$10.00
HERBICIDE	\$28.16	1 ACRE	\$28.16						\$28.16
LIVESTOCK FAC & EQUIP							\$5.00		\$5.00
PUMP WATER*		12 AC. IN.							
CROP INSURANCE	\$0.19								\$0.19
SUBTOTAL			\$88.16				\$5.00		\$93.35
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	185 HP	0.07 HR		\$0.53	\$1.09	\$0.69	\$1.84		\$4.15
CHISEL	185 HP	0.09 HR		\$0.68	\$1.40	\$0.97	\$1.81		\$4.87
DISC & SPRAY	185 HP	0.10 HR		\$0.76	\$1.56	\$1.26	\$3.12		\$6.69
PLANTER	126 HP	0.12 HR		\$0.91	\$1.27	\$1.75	\$3.32		\$7.25
ROLLING CULT.	126 HP	0.10 HR		\$0.76	\$1.06	\$0.63	\$2.21		\$4.66
SIDEDRESS	185 HP	0.17 HR		\$1.28	\$2.65	\$1.68	\$3.06		\$8.67
IRRIGATE (6X)		0.60 HR		\$3.99	\$63.87	\$8.94	\$14.45		\$91.26
SUBTOTAL		1.25 HR		\$8.90	\$72.90	\$15.94	\$29.82		\$127.55
HARVEST OPERATIONS									
COMBINE	GRAIN TABLE	0.14 HR		\$1.06	\$1.86	\$0.18	\$7.94		\$11.04
GRAIN TABLE	93 HP	0.14 HR		\$1.06	\$1.44	\$0.66	\$1.70		\$4.86
HAUL	2 TON	0.14 HR		\$1.06	\$1.40	\$0.71	\$7.18		\$10.35
SUBTOTAL		0.42 HR	\$0.00	\$3.17	\$4.70	\$1.55	\$16.82		\$26.25
OVERHEAD EXPENSES									
DOWNTIME		0.23 HR		\$1.70					\$1.70
EMPLOYEE BENEFITS				\$2.17					\$2.17
INSURANCE			\$0.24						\$0.24
LAND TAXES							\$0.30		\$0.30
SUPERVISION AND MANAGEMENT				\$9.18					\$9.18
OTHER EXPENSES			\$27.93						\$27.93
SUBTOTAL		0.23 HR	\$28.17	\$13.05			\$0.30		\$41.53
TOTAL OPERATING EXPENSES		1.90 HR	\$116.33	\$25.12	\$77.60	\$17.49	\$51.94		\$288.68
NET OPERATING PROFIT									(\$175.49)
INTEREST ON OPERATING CAPITAL		(\$66.90 @ 6.50%)							\$4.35
INTEREST ON EQUIPMENT INVESTMENT									\$16.72
RETURN TO LAND AND RISK									(\$196.56)

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

BUDGET SUMMARY

GROSS RETURN		\$113.19	
VARIABLE OPERATING EXPENSES	\$211.43		
RETURN OVER VARIABLE EXPENSES		(\$98.24)	(GROSS MARGIN)
FIXED EXPENSES	\$51.94		
NET FARM INCOME		(\$150.18)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$25.12		
NET OPERATING PROFIT		(\$175.30)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$21.07		
RETURN TO LAND AND RISK		(\$196.37)	

TABLE 9. Haygrazer/millet, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2004.
 Planting dates: June 1 - June 15
 Harvesting dates: September 1 - September 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
HAY	\$100.00	1.50 TONS (STACKED)	\$150.00
TOTAL			\$150.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.45	6.00 LBS	\$2.70		\$2.70
HERBICIDE	\$14.79	1.00 ACRE	\$14.79		\$14.79
BALING TWINE	\$19.00	0.13 ROLL	\$2.53		\$2.53
SUBTOTAL			\$20.03		\$20.03

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CHISEL	185 HP	0.09 HR		\$0.68	\$1.40	\$0.97	\$1.81	\$4.87
DISC	185 HP	0.07 HR		\$0.53	\$1.09	\$0.69	\$1.84	\$4.15
DRILL	126 HP	0.12 HR		\$0.91	\$1.27	\$1.82	\$2.74	\$6.74
SUBTOTAL		0.28 HR		\$2.11	\$3.76	\$3.49	\$6.39	\$15.76

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWATHER		0.16 HR		\$1.21	\$0.90	\$0.28	\$8.49	\$10.88
BALER	126 HP	0.17 HR		\$1.28	\$1.80	\$0.75	\$5.40	\$9.23
SUBTOTAL		0.33 HR	\$0.00	\$2.49	\$2.70	\$1.02	\$13.89	\$20.11

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.15 HR		\$1.15				\$1.15
EMPLOYEE BENEFITS			\$0.83				\$0.83
INSURANCE		\$0.09					\$0.09
LAND TAXES						\$0.30	\$0.30
SUPERVISION AND MANAGEMENT			\$10.81				\$10.81
OTHER EXPENSES		\$5.59					\$5.59
SUBTOTAL	0.15 HR	\$5.68	\$12.79			\$0.30	\$18.77

TOTAL OPERATING EXPENSES 0.43 HR \$25.70 \$17.39 \$6.46 \$4.51 \$20.59 \$74.66

NET OPERATING PROFIT \$75.34

INTEREST ON OPERATING CAPITAL (\$12.14 @ 6.50%) \$0.79
 INTEREST ON EQUIPMENT INVESTMENT \$11.50

RETURN TO LAND AND RISK \$63.05

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

BUDGET SUMMARY

GROSS RETURN		\$150.00	
VARIABLE OPERATING EXPENSES	\$36.68		
RETURN OVER VARIABLE EXPENSES		\$113.32	(GROSS MARGIN)
FIXED EXPENSES	\$20.59		
NET FARM INCOME		\$92.73	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$17.39		
NET OPERATING PROFIT		\$75.34	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$12.29		
RETURN TO LAND AND RISK		\$63.05	

TABLE 10. Summary of per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2004.

	WHEAT	CORN FOR GRAIN	GRAIN SORGHUM	HAYGRAZER & MILLET
	BU	BU	CWT	(Dryland) TONS
PRIMAR YIELD	47.00	185.00	25.00	1.50
PRIMARY PRICE	\$3.75	\$2.45	\$4.03	\$100.00
GOVERNMENT PAYMENTS	\$20.77	\$44.03	\$7.44	\$0.00
SECOND INCOME	\$37.50	\$20.00	\$5.00	\$0.00
GROSS RETURN	\$234.52	\$517.28	\$113.19	\$150.00
CASH OPERATING EXPENSES				
SEED	\$18.00	\$27.63	\$6.50	\$2.70
FERTILIZER	\$21.60	\$112.30	\$53.50	
CHEMICALS		\$89.60	\$28.16	\$14.79
CROP INSURANCE	\$0.08	\$0.28	\$0.19	
OTHER PURCHASED INPUTS				\$2.53
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$10.67	\$18.39	\$13.73	\$6.46
FUEL-IRRIGATION	\$58.55	\$180.97	\$63.87	
REPAIRS	\$15.59	\$38.60	\$17.49	\$4.51
CUSTOM CHARGES				\$0.00
LAND TAXES	\$0.30	\$0.30	\$0.30	\$0.30
OTHER EXPENSES	\$28.14	\$28.35	\$28.17	\$5.68
TOTAL CASH EXPENSES	\$152.93	\$496.42	\$211.92	\$36.98
RETURN OVER CASH EXPENSES	\$81.59	\$20.86	(\$98.73)	\$113.02
FIXED EXPENSES	\$40.43	\$92.68	\$51.64	\$20.28
TOTAL EXPENSES	\$193.36	\$589.10	\$263.55	\$57.27
NET FARM INCOME	\$41.16	(\$71.82)	(\$150.37)	\$92.73
LABOR AND MANAGEMENT COSTS	\$31.31	\$66.26	\$25.12	\$17.39
NET OPERATING PROFIT	\$9.85	(\$138.08)	(\$175.49)	\$75.34
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$2.57	\$11.60	\$4.35	\$0.79
INTEREST ON EQUIPMENT INVESTMENT	\$11.97	\$27.46	\$16.72	\$11.50
TOTAL CAPITAL COSTS	\$14.54	\$39.06	\$21.07	\$12.29
RETURN TO LAND AND RISK	(\$4.68)	(\$177.14)	(\$196.56)	\$63.05

TABLE 11. Whole farm summary, Union County,
Projected 2004.

GROSS RETURNS		
WHEAT	604 ACRES	
CROP		\$106,411
GRAZING		\$22,641
DIRECT PAYMENT		\$9,270
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	179 ACRES	
CROP		\$80,905
GRAZING		\$3,570
DIRECT PAYMENT		\$7,859
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	268 ACRES	
CROP		\$26,976
GRAZING		\$1,339
DIRECT PAYMENT		\$1,991
COUNTER CYCLICAL PAYMENT		\$0
HAYGRAZER/MILLET	190 ACRES	
CROP		\$28,500
GROSS RETURN		<u>\$289,462</u>
CASH OPERATING EXPENSES		
SEED		\$18,052
FERTILIZER		\$47,411
CHEMICALS		\$26,344
CROP INSURANCE		\$150
OTHER PURCHASED INPUTS		\$481
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$14,626
FUEL-IRRIGATION		\$84,753
REPAIRS		\$21,845
CUSTOM CHARGES		\$0
LAND TAXES		\$377
OTHER EXPENSES		\$30,672
TOTAL CASH EXPENSES		<u>\$244,712</u>
RETURN OVER CASH EXPENSES		\$44,751
FIXED EXPENSES		\$58,632
TOTAL EXPENSES		\$303,344
NET FARM INCOME		(\$13,881)
LABOR AND MANAGEMENT COSTS		\$40,760
NET OPERATING PROFIT		(\$54,642)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$4,936
INTEREST ON EQUIPMENT INVESTMENT		\$18,790
TOTAL CAPITAL COSTS		<u>\$23,726</u>
RETURN TO LAND AND RISK		<u>(\$78,368)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$103,968)	-5.55%
\$750 /ACRE	(\$116,768)	-4.19%
\$1,000 /ACRE	(\$129,568)	-3.36%
\$1,250 /ACRE	(\$142,368)	-2.81%
\$1,500 /ACRE	(\$155,168)	-2.41%

* 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)