

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.
Planting dates: August 15 - November 15
Harvesting dates: July 1 - July 15

ITEM	PRICE	YIELD	BASE					TOTAL
GROSS RETURNS								
WHEAT	\$5.00	80.00	BUSHEL					\$400.00
DIRECT PAYMENT	\$0.00	80.00	BUSHEL	0.85				\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00							\$0.00
GRAZING	\$37.50	1.00	ACRE					\$37.50
TOTAL								\$437.50
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.22	100	LBS	\$22.00				\$22.00
MANURE	\$2.70	8	TON	\$21.60				\$21.60
LIVESTOCK FAC & EQUIP						\$5.00		\$5.00
PUMP WATER*		11	AC. IN.					\$0.08
CROP INSURANCE	\$0.08							\$0.08
SUBTOTAL				\$43.60		\$5.00		\$48.68
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
CHISEL	185 HP	0.09 HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
DRILL	126 HP	0.12 HR		\$0.89	\$2.67	\$0.68	\$2.40	\$6.65
IRRIGATE (7X)		0.70 HR		\$4.62	\$24.58	\$0.00	\$3.14	\$32.35
SUBTOTAL		1.05 HR		\$7.23	\$33.69	\$3.93	\$11.24	\$56.09
HARVEST OPERATIONS								
COMBINE	GRAIN TABLE	0.14 HR		\$1.04	\$3.16	\$0.55	\$9.00	\$13.75
GRAIN CART	93 HP	0.14 HR		\$1.04	\$2.09	\$0.29	\$1.55	\$4.97
HAUL	SEMI	0.14 HR		\$1.04	\$1.98	\$0.39	\$4.26	\$7.68
SUBTOTAL		0.42 HR	\$0.00	\$3.13	\$7.23	\$1.23	\$14.81	\$26.40
OVERHEAD EXPENSES								
DOWNTIME		0.19 HR		\$1.43				\$1.43
EMPLOYEE BENEFITS				\$1.86				\$1.86
INSURANCE			\$0.21					\$0.21
LAND TAXES							\$0.24	\$0.24
SUPERVISION AND MANAGEMENT				\$31.71				\$31.71
OTHER EXPENSES			\$33.92					\$33.92
SUBTOTAL		0.19 HR	\$34.13	\$35.01			\$0.24	\$69.37
TOTAL OPERATING EXPENSES		1.66 HR	\$77.73	\$45.36	\$40.92	\$5.17	\$31.29	\$200.55
NET OPERATING PROFIT								\$236.95
INTEREST ON OPERATING CAPITAL		(\$31.95 @ 8.00%)						\$2.56
INTEREST ON EQUIPMENT INVESTMENT								\$14.94
RETURN TO LAND AND RISK								\$219.46

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

BUDGET SUMMARY

GROSS RETURN		\$437.50	
VARIABLE OPERATING EXPENSES	\$123.81		
RETURN OVER VARIABLE EXPENSES	\$313.69	(GROSS MARGIN)	
FIXED EXPENSES	\$31.29		
NET FARM INCOME	\$282.40	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$45.36		
NET OPERATING PROFIT	\$237.04	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$17.49		
RETURN TO LAND AND RISK		\$219.54	

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 2007.
 Planting dates: April 15 - May 15
 Harvesting dates: October 1 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
CORN FOR GRAIN	\$3.50	200.00 BUSHELS		\$700.00
DIRECT PAYMENT	\$0.00	200.00 BUSHELS	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 BUSHELS		\$0.00
GRAZING	\$20.00	1.00 ACRE		\$20.00
TOTAL				\$720.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.06	26 000	\$27.63		\$27.63
NITROGEN (N)	\$0.52	220 LBS	\$114.40		\$114.40
PHOSPHATE (P2O5)	\$0.40	70 LBS	\$28.00		\$28.00
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			\$294.13	\$5.00	\$299.41

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
CHISEL	185 HP	0.09 HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC & SPRAY	185 HP	0.10 HR		\$0.75	\$2.80	\$1.89	\$3.19	\$8.63
PLANTER	126 HP	0.12 HR		\$0.89	\$2.67	\$0.79	\$4.02	\$8.38
ROLLING CULT (2X)	126 HP	0.20 HR		\$1.49	\$4.45	\$1.79	\$4.23	\$11.97
SIDEDRESS	185 HP	0.17 HR		\$1.27	\$4.75	\$0.98	\$3.23	\$10.23
IRRIGATE (16X)		1.60 HR		\$10.56	\$75.98	\$0.00	\$9.72	\$96.26
SUBTOTAL		2.35 HR		\$16.15	\$95.14	\$7.43	\$28.19	\$146.91

HARVEST OPERATIONS								
COMBINE	CORN HEAD	0.20 HR		\$1.49	\$4.51	\$0.93	\$21.94	\$28.87
GRAIN CART	93 HP	0.20 HR		\$1.49	\$2.98	\$0.41	\$2.21	\$7.10
HAUL	SEMI	0.20 HR		\$1.49	\$2.84	\$0.56	\$6.08	\$10.96
SUBTOTAL		0.60 HR	\$0.00	\$4.47	\$10.33	\$1.91	\$30.24	\$46.94

OVERHEAD EXPENSES								
DOWNTIME		0.30 HR		\$2.20				\$2.20
EMPLOYEE BENEFITS				\$3.71				\$3.71
INSURANCE			\$0.41					\$0.41
LAND TAXES							\$0.24	\$0.24
SUPERVISION AND MANAGEMENT				\$53.64				\$53.64
OTHER EXPENSES			\$33.92					\$33.92
SUBTOTAL		0.30 HR	\$34.33	\$59.55			\$0.24	\$94.12

TOTAL OPERATING EXPENSES 3.25 HR \$328.46 \$80.17 \$105.47 \$9.34 \$63.67 \$587.37

NET OPERATING PROFIT \$132.63

INTEREST ON OPERATING CAPITAL (\$182.04 @ 8.00%) \$14.56
 INTEREST ON EQUIPMENT INVESTMENT \$33.91

RETURN TO LAND AND RISK \$84.15

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

BUDGET SUMMARY

GROSS RETURN		\$720.00	
VARIABLE OPERATING EXPENSES	\$443.26		
RETURN OVER VARIABLE EXPENSES	\$276.74	(GROSS MARGIN)	
FIXED EXPENSES	\$63.67		
NET FARM INCOME	\$213.07	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$80.17		
NET OPERATING PROFIT	\$132.91	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$48.47		
RETURN TO LAND AND RISK	\$84.43		

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 2007.
 Planting dates: May 15 - June 15
 Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN SORGHUM	\$5.75	45.00 CWT		\$258.75
DIRECT PAYMENT	\$0.00	45.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$5.00	1.00 ACRE		\$5.00
TOTAL				\$263.75

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.60	5 LBS	\$3.00		\$3.00
NITROGEN (N)	\$0.52	150 LBS	\$78.00		\$78.00
PHOSPHATE (P205)	\$0.40	50 LBS	\$20.00		\$20.00
HERBICIDE	\$28.16	1 ACRE	\$28.16		\$28.16
LIVESTOCK FAC & EQUIP PUMP WATER*		12 AC. IN.		\$5.00	\$5.00
CROP INSURANCE	\$0.19				\$0.19
SUBTOTAL			\$129.16	\$5.00	\$134.35

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
CHISEL	185 HP	0.09 HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC & SPRAY	185 HP	0.10 HR		\$0.75	\$2.80	\$1.89	\$3.19	\$8.63
PLANTER	126 HP	0.12 HR		\$0.89	\$2.67	\$0.79	\$4.02	\$8.38
ROLLING CULT.	126 HP	0.10 HR		\$0.75	\$2.23	\$0.89	\$2.12	\$5.98
SIDEDRESS	185 HP	0.17 HR		\$1.27	\$4.75	\$0.98	\$3.23	\$10.23
IRRIGATE (6X)		0.60 HR		\$3.96	\$26.82	\$0.00	\$3.43	\$34.21
SUBTOTAL		1.25 HR		\$8.80	\$43.74	\$6.54	\$19.79	\$78.87

HARVEST OPERATIONS	GRAIN TABLE	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
COMBINE	93 HP	0.14 HR		\$1.04	\$3.16	\$0.55	\$9.00	\$13.75
GRAIN TABLE	2 TON	0.14 HR		\$1.04	\$2.09	\$0.29	\$1.55	\$4.97
HAUL		0.14 HR		\$1.04	\$1.59	\$0.06	\$7.80	\$10.49
SUBTOTAL		0.42 HR	\$0.00	\$3.13	\$6.83	\$0.90	\$18.35	\$29.21

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.23 HR		\$1.68				\$1.68
EMPLOYEE BENEFITS			\$2.15				\$2.15
INSURANCE		\$0.24					\$0.24
LAND TAXES						\$0.24	\$0.24
SUPERVISION AND MANAGEMENT			\$19.72				\$19.72
OTHER EXPENSES		\$33.92					\$33.92
SUBTOTAL	0.23 HR	\$34.16	\$23.55			\$0.24	\$57.94

TOTAL OPERATING EXPENSES 1.90 HR \$163.32 \$35.48 \$50.58 \$7.44 \$43.38 \$300.37

NET OPERATING PROFIT (\$36.62)

INTEREST ON OPERATING CAPITAL (\$77.89 @ 8.00%) \$6.23
 INTEREST ON EQUIPMENT INVESTMENT \$21.23

RETURN TO LAND AND RISK (\$64.09)

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

BUDGET SUMMARY

GROSS RETURN		\$263.75	
VARIABLE OPERATING EXPENSES	\$221.33		
RETURN OVER VARIABLE EXPENSES		\$42.42	(GROSS MARGIN)
FIXED EXPENSES	\$43.38		
NET FARM INCOME		(\$0.96)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$35.48		
NET OPERATING PROFIT		(\$36.44)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$27.46		
RETURN TO LAND AND RISK		(\$63.90)	

TABLE 9. Haygrazer/millet, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.
 Planting dates: June 1 - June 15
 Harvesting dates: September 1 - September 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
HAY	\$115.00	1.50 TONS (STACKED)						\$172.50
TOTAL								\$172.50
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS		FIXED COST			TOTAL
SEED	\$0.26	6.00 LBS	\$1.56					\$1.56
HERBICIDE	\$14.79	1.00 ACRE	\$14.79					\$14.79
BALING TWINE	\$0.26	0.13 ROLL	\$0.03					\$0.03
SUBTOTAL								\$16.39
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CHISEL	185 HP	0.09 HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
DRILL	126 HP	0.12 HR		\$0.89	\$2.67	\$0.68	\$2.40	\$6.65
SUBTOTAL								\$18.09
HARVEST OPERATIONS								
SWATHER		0.16 HR		\$1.19	\$1.62	\$0.09	\$8.31	\$11.21
BALER	126 HP	0.17 HR		\$1.27	\$3.79	\$0.71	\$5.20	\$10.97
SUBTOTAL								\$22.18
OVERHEAD EXPENSES								
DOWNTIME		0.15 HR		\$1.14				\$1.14
EMPLOYEE BENEFITS				\$0.82				\$0.82
INSURANCE			\$0.09				\$0.09	
LAND TAXES							\$0.24	
SUPERVISION AND MANAGEMENT				\$12.38				\$12.38
OTHER EXPENSES			\$6.78				\$6.78	
SUBTOTAL								\$21.45
TOTAL OPERATING EXPENSES								\$78.10
NET OPERATING PROFIT								\$94.40
INTEREST ON OPERATING CAPITAL		(\$11.16 @	8.00%)				\$0.89
INTEREST ON EQUIPMENT INVESTMENT								\$14.07
RETURN TO LAND AND RISK								\$79.43

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

BUDGET SUMMARY

GROSS RETURN		\$172.50	
VARIABLE OPERATING EXPENSES	\$39.28		
RETURN OVER VARIABLE EXPENSES	\$133.22	(GROSS MARGIN)	
FIXED EXPENSES	\$19.94		
NET FARM INCOME	\$113.28	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$18.88		
NET OPERATING PROFIT	\$94.40	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$14.97		
RETURN TO LAND AND RISK		\$79.43	

TABLE 10. Summary of per acre costs and returns for a 1,280 acre farm with above average management, Union County
Projected 2007.

	WHEAT	CORN FOR GRAIN	GRAIN SORGHUM	HAYGRAZER & MILLET
	BU	BU	CWT	(Dryland) TONS
PRIMAR YIELD	80.00	200.00	45.00	1.50
PRIMARY PRICE	\$5.00	\$3.50	\$5.75	\$115.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$37.50	\$20.00	\$5.00	\$0.00
GROSS RETURN	\$437.50	\$720.00	\$263.75	\$172.50
CASH OPERATING EXPENSES				
SEED	\$22.00	\$27.63	\$3.00	\$1.56
FERTILIZER	\$21.60	\$176.90	\$98.00	
CHEMICALS		\$89.60	\$28.16	\$14.79
CROP INSURANCE	\$0.08	\$0.28	\$0.19	
OTHER PURCHASED INPUTS				\$0.03
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$16.34	\$29.48	\$23.76	\$12.55
FUEL-IRRIGATION	\$24.58	\$75.98	\$26.82	
REPAIRS	\$5.17	\$9.34	\$7.44	\$3.47
CUSTOM CHARGES				\$0.00
LAND TAXES	\$0.24	\$0.24	\$0.24	\$0.24
OTHER EXPENSES	\$34.13	\$34.33	\$34.16	\$6.87
TOTAL CASH EXPENSES	\$124.13	\$443.78	\$221.76	\$39.52
RETURN OVER CASH EXPENSES	\$313.37	\$276.22	\$41.99	\$132.98
FIXED EXPENSES	\$31.05	\$63.43	\$43.14	\$19.70
TOTAL EXPENSES	\$155.18	\$507.21	\$264.90	\$59.22
NET FARM INCOME	\$282.32	\$212.79	(\$1.15)	\$113.28
LABOR AND MANAGEMENT COSTS	\$45.36	\$80.17	\$35.48	\$18.88
NET OPERATING PROFIT	\$236.95	\$132.63	(\$36.62)	\$94.40
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$2.56	\$14.56	\$6.23	\$0.89
INTEREST ON EQUIPMENT INVESTMENT	\$14.94	\$33.91	\$21.23	\$14.07
TOTAL CAPITAL COSTS	\$17.49	\$48.47	\$27.46	\$14.97
RETURN TO LAND AND RISK	\$219.46	\$84.15	(\$64.09)	\$79.43
Flex Computation	265.44	181.49	0.29	

TABLE 11. Whole farm summary, Union County,
Projected 2007.

GROSS RETURNS		
WHEAT	604 ACRES	
CROP		\$241,500
GRAZING		\$22,641
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	179 ACRES	
CROP		\$124,950
GRAZING		\$3,570
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	268 ACRES	
CROP		\$69,280
GRAZING		\$1,339
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
HAYGRAZER/MILLET	190 ACRES	
CROP		\$32,775
GROSS RETURN		<u>\$496,055</u>
CASH OPERATING EXPENSES		
SEED		\$19,313
FERTILIZER		\$70,857
CHEMICALS		\$26,344
CROP INSURANCE		\$150
OTHER PURCHASED INPUTS		\$7
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$23,872
FUEL-IRRIGATION		\$35,585
REPAIRS		\$7,437
CUSTOM CHARGES		\$0
LAND TAXES		\$296
OTHER EXPENSES		\$37,183
TOTAL CASH EXPENSES		<u>\$221,044</u>
RETURN OVER CASH EXPENSES		\$275,011
FIXED EXPENSES		\$45,362
TOTAL EXPENSES		\$266,406
NET FARM INCOME		\$229,649
LABOR AND MANAGEMENT COSTS		\$54,785
NET OPERATING PROFIT		\$174,864
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$5,981
INTEREST ON EQUIPMENT INVESTMENT		\$23,429
TOTAL CAPITAL COSTS		<u>\$29,410</u>
RETURN TO LAND AND RISK		<u>\$145,454</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	\$126,254	19.31%
\$750 /ACRE	\$116,654	14.27%
\$1,000 /ACRE	\$107,054	11.31%
\$1,250 /ACRE	\$97,454	9.37%
\$1,500 /ACRE	\$87,854	8.00%

* 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)