

TABLE 1. Acreage Summary, Union County,  
Projected 2016

BUDGET AREA..... UNION COUNTY	
FARM SIZE..... 1,280 ACRES	
IRRIGATION TYPE..... SPRINKLER	
NUMBER OF CROPS... 4	
	<u>WATER USE</u>
ACREAGE SUMMARY:	LAND USE (ACRES)
WHEAT	446.25
ARP	0.00
FLEX IN WHEAT	78.75
CORN	178.50
ARP	0.00
FLEX IN WHEAT	31.50
GRAIN SORGHUM	267.75
ARP	0.00
FLEX IN WHEAT	47.25
HAYGRAZER	190.00
ROADS, HOMESTEAD	40.00
	<u>AC. IN. PER AC.</u>
	<u>TOTAL AC. IN.</u>
	<u>ACRE FEET PER ACRE OF WATER RIGHTS</u>
	<u>1.04</u>

TABLE 2. Basic cost information for Union County,  
Projected 2016

Item		
<u>Labor Wage Rate:</u>		
Equipment operators	\$/hour	\$8.55
General & Irrigators	\$/hour	\$7.50
<u>Purchased Inputs:</u>		
<u>Fertilizer:</u>		
Nitrogen (N)	\$/pound	\$0.48
Phosphate (P205)	\$/pound	\$0.61
<u>Seed:</u>		
Wheat	\$/pound	\$0.30
Corn for Grain	\$/bag	\$300.00
Grain Sorghum	\$/pound	\$1.70
Haygrazer/Millet	\$/pound	\$0.86
Natural gas	\$/MCF	\$3.00
(service charge)	\$/month	\$10.00
Diesel fuel	\$/gallon	\$2.65
Gasoline	\$/gallon	\$2.50
Electricity	cents/KwHr	7.94
LP Gas	\$/gallon	\$2.45
Baling Twine	\$/roll	\$0.85
Employee Liability Insurance	\$/ \$1,000 wages	\$20.00
Employee Benefits	percent/wages	18.00%
Labor Downtime	percent	25.00%
<u>Financial Rates:</u>		
Operating Capital Interest Rate	percent	5.50%
Land Interest Rate	percent	5.00%
Equipment Interest Rate	percent	5.50%
Real Interest Rate	percent	3.00%
Land Taxes	\$27.00 /acre	\$0.21
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value) \$23.18 \$20.51
<u>Supervision Factors</u>		
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 2016

Item		
Electricity (Domestic & Shop)	\$500.00	per month \$6,000
Telephone	\$243.75	per month \$2,925
Accounting & Legal		\$3,694
Misc. Supplies & Hand Tools		\$4,481
Pickup and Auto		
miles	38,750	@ \$0.500 per mile \$19,375
<u>Insurance</u>		
- general liability (non-employee)		\$4,606
- fire/theft		\$2,338
<u>Property Taxes</u>		
- non-planted land		\$0
- other than land & machinery		\$6,010
Building repairs and maintenance		\$1,950
Dues, fees, publications		\$450
Farmstead Equipment		\$294
		<u>Total</u>
		<u>\$52,123</u>
		<u>Total per planted acre</u>
		<u>\$40.78</u>
		<u>Total per dryland acre</u>
		<u>\$8.16</u>

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2016  
 Planting dates: August 15 - November 15  
 Harvesting dates: July 1 - July 15

ITEM	PRICE	YIELD	BASE					TOTAL	
<b>GROSS RETURNS</b>									
WHEAT	\$6.00	80.00 BUSHELS						\$480.00	
DIRECT PAYMENT	\$0.00	80.00 BUSHELS	0.85					\$0.00	
COUNTER CYCLICAL PAYMENT	\$0.00							\$0.00	
GRAZING	\$37.50	1.00 ACRE						\$37.50	
<b>TOTAL</b>								<b>\$517.50</b>	
<b>PURCHASED INPUTS</b>									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$0.30	100 LBS	\$30.00					\$30.00	
MANURE	\$2.70	8 TON	\$21.60					\$21.60	
LIVESTOCK FAC & EQUIP PUMP WATER*		11 AC. IN.					\$5.00	\$5.00	
CROP INSURANCE	\$0.08							\$0.08	
<b>SUBTOTAL</b>			<b>\$51.60</b>				<b>\$5.00</b>	<b>\$56.68</b>	
<b>PREHARVEST OPERATIONS</b>									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	185 HP	0.07 HR		\$0.60	\$1.92	\$1.26	\$1.86	\$5.64	
CHISEL	185 HP	0.09 HR		\$0.77	\$2.47	\$0.69	\$1.84	\$5.78	
DISC	185 HP	0.07 HR		\$0.60	\$1.92	\$1.26	\$1.86	\$5.64	
DRILL	126 HP	0.12 HR		\$1.03	\$2.62	\$0.68	\$2.37	\$6.71	
IRRIGATE (7X)		0.70 HR		\$5.25	\$22.71	\$0.00	\$3.11	\$31.07	
<b>SUBTOTAL</b>		<b>1.05 HR</b>		<b>\$8.24</b>	<b>\$31.65</b>	<b>\$3.90</b>	<b>\$11.05</b>	<b>\$54.84</b>	
<b>HARVEST OPERATIONS</b>									
COMBINE	GRAIN TABLE	0.30 HR		\$2.57	\$6.64	\$1.18	\$19.14	\$29.53	
GRAIN CART	93 HP	0.14 HR		\$1.20	\$2.13	\$0.13	\$0.91	\$4.37	
HAUL	SEMI	0.14 HR		\$1.20	\$1.95	\$0.39	\$4.23	\$7.77	
<b>SUBTOTAL</b>		<b>0.58 HR</b>	<b>\$0.00</b>	<b>\$4.96</b>	<b>\$10.72</b>	<b>\$1.71</b>	<b>\$24.28</b>	<b>\$41.67</b>	
<b>OVERHEAD EXPENSES</b>									
DOWNTIME		0.23 HR		\$1.99				\$1.99	
EMPLOYEE BENEFITS				\$2.38				\$2.38	
INSURANCE			\$0.26					\$0.26	
LAND TAXES							\$0.21	\$0.21	
SUPERVISION AND MANAGEMENT				\$37.39				\$37.39	
OTHER EXPENSES			\$40.78					\$40.78	
<b>SUBTOTAL</b>		<b>0.23 HR</b>	<b>\$41.05</b>	<b>\$41.75</b>			<b>\$0.21</b>	<b>\$83.01</b>	
<b>TOTAL OPERATING EXPENSES</b>		<b>1.86 HR</b>	<b>\$92.65</b>	<b>\$54.96</b>	<b>\$42.36</b>	<b>\$5.61</b>	<b>\$40.54</b>	<b>\$236.20</b>	
<b>NET OPERATING PROFIT</b>								<b>\$281.30</b>	
INTEREST ON OPERATING CAPITAL		( \$35.76 @ 5.50% )						\$1.97	
INTEREST ON EQUIPMENT INVESTMENT								\$9.77	
<b>RETURN TO LAND AND RISK</b>								<b>\$269.56</b>	

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

**BUDGET SUMMARY**

GROSS RETURN		\$517.50	
VARIABLE OPERATING EXPENSES	\$140.62		
RETURN OVER VARIABLE EXPENSES		\$376.88	(GROSS MARGIN)
FIXED EXPENSES	\$40.54		
NET FARM INCOME		\$336.34	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$54.96		
NET OPERATING PROFIT		\$281.38	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$11.74		
RETURN TO LAND AND RISK		\$269.65	

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 2016  
 Planting dates: April 15 - May 15  
 Harvesting dates: October 1 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURNS</b>				
CORN FOR GRAIN	\$3.60	200.00 BUSHELS		\$720.00
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
<b>TOTAL</b>				<b>\$740.00</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$3.75	26 000	\$97.50		\$97.50
NITROGEN (N)	\$0.48	220 LBS	\$105.60		\$105.60
PHOSPHATE (P2O5)	\$0.61	70 LBS	\$42.70		\$42.70
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
<b>SUBTOTAL</b>			<b>\$369.90</b>	<b>\$5.00</b>	<b>\$375.18</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.60	\$1.92	\$1.26	\$1.86	\$5.64
CHISEL	185 HP	0.09 HR		\$0.77	\$2.47	\$0.69	\$1.84	\$5.78
DISC & SPRAY	185 HP	0.10 HR		\$0.86	\$2.75	\$1.88	\$3.13	\$8.60
PLANTER	126 HP	0.12 HR		\$1.03	\$2.62	\$0.79	\$3.99	\$8.43
ROLLING CULT (2X)	126 HP	0.20 HR		\$1.71	\$4.37	\$1.79	\$4.19	\$12.06
SIDEDRESS	185 HP	0.17 HR		\$1.45	\$4.67	\$0.96	\$3.13	\$10.21
IRRIGATE (16X)		1.60 HR		\$12.00	\$70.19	\$0.00	\$9.63	\$91.82
<b>SUBTOTAL</b>		<b>2.35 HR</b>		<b>\$18.41</b>	<b>\$88.99</b>	<b>\$7.38</b>	<b>\$27.77</b>	<b>\$142.54</b>

<b>HARVEST OPERATIONS</b>								
COMBINE	CORN HEAD	0.20 HR		\$1.71	\$4.43	\$0.93	\$21.77	\$28.84
GRAIN CART	93 HP	0.20 HR		\$1.71	\$3.04	\$0.19	\$1.30	\$6.24
HAUL	SEMI	0.20 HR		\$1.71	\$2.78	\$0.56	\$6.05	\$11.10
<b>SUBTOTAL</b>		<b>0.60 HR</b>		<b>\$0.00</b>	<b>\$5.13</b>	<b>\$10.25</b>	<b>\$1.68</b>	<b>\$46.18</b>

<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.30 HR		\$2.52				\$2.52
EMPLOYEE BENEFITS				\$4.24				\$4.24
INSURANCE			\$0.47					\$0.47
LAND TAXES						\$0.21		\$0.21
SUPERVISION AND MANAGEMENT				\$55.04				\$55.04
OTHER EXPENSES			\$40.78					\$40.78
<b>SUBTOTAL</b>		<b>0.30 HR</b>		<b>\$41.26</b>	<b>\$61.80</b>		<b>\$0.21</b>	<b>\$103.26</b>

TOTAL OPERATING EXPENSES 3.25 HR \$411.16 \$85.34 \$99.24 \$9.06 \$62.09 \$667.16

NET OPERATING PROFIT \$72.84

INTEREST ON OPERATING CAPITAL ( \$220.46 @ 5.50% ) \$12.13  
 INTEREST ON EQUIPMENT INVESTMENT \$22.59

RETURN TO LAND AND RISK \$38.12

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

**BUDGET SUMMARY**

GROSS RETURN		\$740.00	
VARIABLE OPERATING EXPENSES	\$519.45		
RETURN OVER VARIABLE EXPENSES		\$220.55	(GROSS MARGIN)
FIXED EXPENSES	\$62.09		
NET FARM INCOME		\$158.46	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$85.34		
NET OPERATING PROFIT		\$73.12	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$34.71		
RETURN TO LAND AND RISK		\$38.40	

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 2016  
 Planting dates: May 15 - June 15  
 Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURNS</b>				
GRAIN SORGHUM	\$5.91	45.00 CWT		\$266.14
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
<b>TOTAL</b>				<b>\$271.14</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.70	5 LBS	\$8.50		\$8.50
NITROGEN (N)	\$0.48	150 LBS	\$72.00		\$72.00
PHOSPHATE (P205)	\$0.61	50 LBS	\$30.50		\$30.50
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
<b>SUBTOTAL</b>			<b>\$139.16</b>	<b>\$5.00</b>	<b>\$144.35</b>

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.07 HR		\$0.60	\$1.92	\$1.26	\$1.86	\$5.64
CHISEL	185 HP	0.09 HR		\$0.77	\$2.47	\$0.69	\$1.84	\$5.78
DISC & SPRAY	185 HP	0.10 HR		\$0.86	\$2.75	\$1.88	\$3.13	\$8.60
PLANTER	126 HP	0.12 HR		\$1.03	\$2.62	\$0.79	\$3.99	\$8.43
ROLLING CULT.	126 HP	0.10 HR		\$0.86	\$2.19	\$0.89	\$2.10	\$6.03
SIDEDRESS	185 HP	0.17 HR		\$1.45	\$4.67	\$0.96	\$3.13	\$10.21
IRRIGATE (6X)		0.60 HR		\$4.50	\$24.77	\$0.00	\$3.40	\$32.67
<b>SUBTOTAL</b>		<b>1.25 HR</b>		<b>\$10.06</b>	<b>\$41.39</b>	<b>\$6.48</b>	<b>\$19.44</b>	<b>\$77.37</b>

<b>HARVEST OPERATIONS</b>								
COMBINE	GRAIN TABLE	0.14 HR		\$1.20	\$3.10	\$0.55	\$8.93	\$13.78
GRAIN TABLE	93 HP	0.14 HR		\$1.20	\$2.13	\$0.13	\$0.91	\$4.37
HAUL	2 TON	0.14 HR		\$1.20	\$1.56	\$0.06	\$7.76	\$10.57
<b>SUBTOTAL</b>		<b>0.42 HR</b>		<b>\$0.00</b>	<b>\$3.59</b>	<b>\$6.79</b>	<b>\$0.74</b>	<b>\$17.60</b>

<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.23 HR		\$1.92				\$1.92
EMPLOYEE BENEFITS				\$2.46				\$2.46
INSURANCE			\$0.27					\$0.27
LAND TAXES							\$0.21	\$0.21
SUPERVISION AND MANAGEMENT				\$20.24				\$20.24
OTHER EXPENSES			\$40.78					\$40.78
<b>SUBTOTAL</b>		<b>0.23 HR</b>		<b>\$41.06</b>	<b>\$24.62</b>		<b>\$0.21</b>	<b>\$65.89</b>

TOTAL OPERATING EXPENSES 1.90 HR \$180.22 \$38.27 \$48.17 \$7.22 \$42.25 \$316.32

NET OPERATING PROFIT (\$45.18)

INTEREST ON OPERATING CAPITAL ( \$82.27 @ 5.50% ) \$4.52  
 INTEREST ON EQUIPMENT INVESTMENT \$14.07

RETURN TO LAND AND RISK (\$63.77)

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

BUDGET SUMMARY

GROSS RETURN		\$271.14	
VARIABLE OPERATING EXPENSES	\$235.61		
RETURN OVER VARIABLE EXPENSES		\$35.53	(GROSS MARGIN)
FIXED EXPENSES	\$42.25		
NET FARM INCOME		(\$6.72)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$38.27		
NET OPERATING PROFIT		(\$44.99)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$18.59		
RETURN TO LAND AND RISK		(\$63.58)	

TABLE 9. Haygrazer/millet, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2016  
 Planting dates: June 1 - June 15  
 Harvesting dates: September 1 - September 15

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
HAY	\$165.00	1.50 TONS (STACKED)						\$247.50	
TOTAL								\$247.50	
PURCHASED INPUTS		PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.86	6.00 LBS		\$5.16					\$5.16
HERBICIDE	\$14.79	1.00 ACRE		\$14.79					\$14.79
BALING TWINE	\$0.85	0.13 ROLL		\$0.11					\$0.11
SUBTOTAL				\$20.07					\$20.07
PREHARVEST OPERATIONS		POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CHISEL	185 HP	0.09 HR			\$0.77	\$2.47	\$0.69	\$1.84	\$5.78
DISC	185 HP	0.07 HR			\$0.60	\$1.92	\$1.26	\$1.86	\$5.64
DRILL	126 HP	0.12 HR			\$1.03	\$2.62	\$0.68	\$2.37	\$6.71
SUBTOTAL		0.28 HR			\$2.39	\$7.02	\$2.64	\$6.07	\$18.12
HARVEST OPERATIONS									
SWATHER		0.16 HR			\$1.37	\$1.59	\$0.09	\$8.22	\$11.27
BALER	126 HP	0.17 HR			\$1.45	\$3.72	\$0.71	\$5.14	\$11.03
SUBTOTAL		0.33 HR		\$0.00	\$2.82	\$5.30	\$0.81	\$13.37	\$22.30
OVERHEAD EXPENSES									
DOWNTIME		0.15 HR			\$1.30				\$1.30
EMPLOYEE BENEFITS					\$0.94				\$0.94
INSURANCE				\$0.10					\$0.10
LAND TAXES								\$0.21	\$0.21
SUPERVISION AND MANAGEMENT					\$17.63				\$17.63
OTHER EXPENSES				\$8.16					\$8.16
SUBTOTAL		0.15 HR		\$8.26	\$19.87			\$0.21	\$28.34
TOTAL OPERATING EXPENSES		0.43 HR		\$28.33	\$25.09	\$12.32	\$3.45	\$19.65	\$88.83
NET OPERATING PROFIT									\$158.67
INTEREST ON OPERATING CAPITAL			( \$12.96 @ 5.50% )						\$0.71
INTEREST ON EQUIPMENT INVESTMENT									\$9.65
RETURN TO LAND AND RISK									\$148.31

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

BUDGET SUMMARY

GROSS RETURN		\$247.50	
VARIABLE OPERATING EXPENSES	\$44.09		
RETURN OVER VARIABLE EXPENSES		\$203.41	(GROSS MARGIN)
FIXED EXPENSES	\$19.65		
NET FARM INCOME		\$183.76	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$25.09		
NET OPERATING PROFIT		\$158.67	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$10.36		
RETURN TO LAND AND RISK		\$148.31	

TABLE 10. Summary of per acre costs and returns for a 1,280 acre farm with above average management, Union County,  
Projected 2016

	WHEAT	CORN FOR GRAIN	GRAIN SORGHUM	HAYGRAZER & MILLET (Dryland) TONS
	BU	BU	CWT	
PRIMAR YIELD	80.00	200.00	45.00	1.50
PRIMARY PRICE	\$6.00	\$3.60	\$5.91	\$165.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$37.50	\$20.00	\$5.00	\$0.00
GROSS RETURN	\$517.50	\$740.00	\$271.14	\$247.50
CASH OPERATING EXPENSES				
SEED	\$30.00	\$97.50	\$8.50	\$5.16
FERTILIZER	\$21.60	\$182.80	\$102.50	
CHEMICALS		\$89.60	\$28.16	\$14.79
CROP INSURANCE	\$0.08	\$0.28	\$0.19	
OTHER PURCHASED INPUTS				\$0.11
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$19.66	\$29.05	\$23.40	\$12.32
FUEL-IRRIGATION	\$22.71	\$70.19	\$24.77	
REPAIRS	\$5.61	\$9.06	\$7.22	\$3.45
CUSTOM CHARGES				\$0.00
LAND TAXES	\$0.21	\$0.21	\$0.21	\$0.21
OTHER EXPENSES	\$41.05	\$41.26	\$41.06	\$8.26
TOTAL CASH EXPENSES	\$140.91	\$519.94	\$236.01	\$44.30
RETURN OVER CASH EXPENSES	\$376.59	\$220.06	\$35.13	\$203.20
FIXED EXPENSES	\$40.33	\$61.88	\$42.04	\$19.44
TOTAL EXPENSES	\$181.24	\$581.82	\$278.05	\$63.74
NET FARM INCOME	\$336.26	\$158.18	(\$6.91)	\$183.76
LABOR AND MANAGEMENT COSTS	\$54.96	\$85.34	\$38.27	\$25.09
NET OPERATING PROFIT	\$281.30	\$72.84	(\$45.18)	\$158.67
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$1.97	\$12.13	\$4.52	\$0.71
INTEREST ON EQUIPMENT INVESTMENT	\$9.77	\$22.59	\$14.07	\$9.65
TOTAL CAPITAL COSTS	\$11.74	\$34.71	\$18.59	\$10.36
RETURN TO LAND AND RISK	\$269.56	\$38.12	(\$63.77)	\$148.31
Flex Computation	319.66	122.59	-7.66	

TABLE 11. Whole farm summary, Union County,  
Projected 2016

GROSS RETURNS		
WHEAT	604 ACRES	
CROP		\$289,800
GRAZING		\$22,641
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	179 ACRES	
CROP		\$128,520
GRAZING		\$3,570
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	268 ACRES	
CROP		\$71,260
GRAZING		\$1,339
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
HAYGRAZER/MILLET	190 ACRES	
CROP		\$47,025
GROSS RETURN		<u>\$564,154</u>
CASH OPERATING EXPENSES		
SEED		\$38,773
FERTILIZER		\$73,115
CHEMICALS		\$26,344
CROP INSURANCE		\$150
OTHER PURCHASED INPUTS		\$22
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$25,659
FUEL-IRRIGATION		\$32,872
REPAIRS		\$7,592
CUSTOM CHARGES		\$0
LAND TAXES		\$259
OTHER EXPENSES		\$44,710
TOTAL CASH EXPENSES		<u>\$249,495</u>
RETURN OVER CASH EXPENSES		\$314,659
FIXED EXPENSES		\$50,344
TOTAL EXPENSES		\$299,839
NET FARM INCOME		\$264,315
LABOR AND MANAGEMENT COSTS		\$63,426
NET OPERATING PROFIT		\$200,889
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$4,699
INTEREST ON EQUIPMENT INVESTMENT		\$15,531
TOTAL CAPITAL COSTS		<u>\$20,230</u>
RETURN TO LAND AND RISK		<u>\$180,659</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	\$161,459	22.68%
\$750 /ACRE	\$151,859	16.66%
\$1,000 /ACRE	\$142,259	13.17%
\$1,250 /ACRE	\$132,659	10.88%
\$1,500 /ACRE	\$123,059	9.28%

\* 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)