

TABLE 1. Acreage Summary, Union County,
Actual 2024

BUDGET AREA.....	UNION COUNTY
FARM SIZE.....	640 ACRES
IRRIGATION TYPE.....	DRYLAND
NUMBER OF CROPS...	2

ACREAGE SUMMARY:	LAND USE (ACRES)
WHEAT	136.0
ARP	0.00
FLEX IN WHEAT	24.00
GRAIN SORGHUM	391.00
ARP	0.00
FLEX IN WHEAT	69.00
ROADS & FENCES	20.00
TOTAL	640.0

TABLE 2. Basic cost information for Union County,
Actual 2024

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$20.00
General & Irrigators	\$/hour		\$16.77
Purchased Inputs:			
Seed:			
Wheat	\$/pound		\$0.50
Grain Sorghum	\$/pound		\$2.05
Diesel fuel	\$/gallon		\$3.46
Gasoline	\$/gallon		\$2.98
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		9.25%
Land Interest Rate	percent		8.15%
Equipment Interest Rate	percent		7.15%
Real Interest Rate	percent		1.82%
Land Taxes	\$12.00 /acre (full value)		\$0.09
Personal Property Tax Rate	- NR	\$/ \$1,000 (Assessed Value)	\$23.68
	- R		\$19.67
Supervision Factor	\$/labor hour		\$0.50
Management Rate	percent		7.00%

TABLE 3. Overhead cost information for Union County,
Actual 2024

Item				
Electricity (Domestic & Shop)		\$256.00	per month	\$3,072
Telephone		\$115.20	per month	\$1,382
Accounting & Legal				\$1,229
Misc. Supplies & Hand Tools				\$1,869
Pickup and Auto				
miles	19,776	@	\$0.670 per mile	\$13,250
Insurance				
- general liability (non-employee)				\$1,613
- fire/theft				\$1,229
Property Taxes				
- non-planted land				\$0
- other than land & machinery				\$6,010
Building repairs and maintenance				\$614
Dues, fees, publications				\$461
Farmstead Equipment				\$192
			Total	\$30,921
			Total per planted acre	\$49.87

TABLE 5. Wheat, dryland, budgeted per acre costs and returns for a 640 acre farm with above average management, Union County,
Actual 2024
Planting dates: August 15 - September 15
Harvesting dates: July 1 - July 15

ITEM	PRICE	YIELD	BASE					TOTAL
GROSS RETURNS								
WHEAT	\$5.46	35.00 BUSHELS						\$191.10
PROGRAM PAYMENT	\$0.00	35.00 BUSHELS	0.85					\$0.00
PLC PAYMENT	\$0.00							\$0.00
GRAZING	\$20.00	1.00 ACRE						\$20.00
TOTAL								\$211.10
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$0.50	30.00 LBS	\$15.00					\$15.00
MANURE	\$2.70	5.00 TON	\$13.50					\$13.50
SUBTOTAL			\$28.50					\$28.50
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWEEPS (3X)	145 HP	0.30 HR		\$6.00	\$9.31	\$3.22	\$7.66	\$26.19
DRILL	145 HP	0.18 HR		\$3.60	\$5.58	\$1.15	\$5.52	\$15.86
SUBTOTAL		0.48 HR		\$9.60	\$14.89	\$4.37	\$13.19	\$42.05
HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$16.00					\$16.00
HAUL (CUSTOM)			\$5.60					\$5.60
SUBTOTAL			\$21.60					\$21.60
OVERHEAD EXPENSES								
DOWNTIME		0.12 HR		\$2.40				\$2.40
EMPLOYEE BENEFITS				\$1.73				\$1.73
INSURANCE			\$0.19					\$0.19
LAND TAXES							\$0.09	\$0.09
SUPERVISION AND MANAGEMENT				\$15.02				\$15.02
OTHER EXPENSES			\$49.87					\$49.87
SUBTOTAL		0.12 HR	\$50.06	\$19.15			\$0.09	\$69.30
TOTAL OPERATING EXPENSES		0.60 HR	\$100.16	\$28.75	\$14.89	\$4.37	\$13.28	\$161.45
NET OPERATING PROFIT								\$49.65
INTEREST ON OPERATING CAPITAL		(\$20.87 @ 9.25%)						\$1.93
INTEREST ON EQUIPMENT INVESTMENT								\$6.36
RETURN TO LAND AND RISK								\$41.36
BUDGET SUMMARY								
GROSS RETURN		\$211.10						
VARIABLE OPERATING EXPENSES	\$119.43							
RETURN OVER VARIABLE EXPENSES		\$91.67	(GROSS MARGIN)					
FIXED EXPENSES	\$13.28							
NET FARM INCOME		\$78.39	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	\$28.75							
NET OPERATING PROFIT		\$49.65	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	\$8.29							
RETURN TO LAND AND RISK		\$41.36						

TABLE 6. Grain sorghum, dryland, budgeted per acre costs and returns for a 640 acre farm with above average management, Union County,

Actual 2024

Planting dates: May 15 - June 15

Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
GRAIN SORGHUM	\$7.30	15.00 CWT							\$109.43
PROGRAM PAYMENT	\$0.00	0.00 CWT							\$0.00
PLC PAYMENT	\$0.00	15.00 CWT	0.85						\$0.00
TOTAL									\$109.43
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$2.05	3 LBS	\$6.15						\$6.15
MANURE	\$2.75	5 TON	\$13.75						\$13.75
HERBICIDE	\$16.00	1 X/ACRE	\$16.00						\$16.00
SUBTOTAL			\$35.90						\$35.90
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
SWEEPS	145 HP	0.10 HR		\$2.00	\$3.10	\$1.07	\$2.55		\$8.73
PLANTER	145 HP	0.17 HR		\$3.40	\$5.27	\$1.26	\$5.63		\$15.56
CULTIVATOR (2X)	145 HP	0.26 HR		\$5.20	\$8.07	\$2.20	\$6.06		\$21.52
SUBTOTAL		0.53 HR		\$10.60	\$16.44	\$4.53	\$14.25		\$45.82
HARVEST OPERATIONS									
COMBINE (CUSTOM)			\$20.50						\$20.50
HAUL (CUSTOM)			\$2.85						\$2.85
SUBTOTAL		0.00 HR	\$23.35						\$23.35
OVERHEAD EXPENSES									
DOWNTIME		0.13 HR		\$2.65					\$2.65
EMPLOYEE BENEFITS				\$1.91					\$1.91
INSURANCE			\$0.21						\$0.21
LAND TAXES							\$0.09		\$0.09
SUPERVISION AND MANAGEMENT				\$7.92					\$7.92
OTHER EXPENSES			\$49.87						\$49.87
SUBTOTAL		0.13 HR	\$50.08	\$12.48			\$0.09		\$62.66
TOTAL OPERATING EXPENSES		0.66 HR	\$109.33	\$23.08	\$16.44	\$4.53	\$14.34		\$167.73
NET OPERATING PROFIT									(\$58.31)
INTEREST ON OPERATING CAPITAL		(\$25.14 @	9.25%)					\$2.33
INTEREST ON EQUIPMENT INVESTMENT									\$6.85
RETURN TO LAND AND RISK									(\$67.48)

BUDGET SUMMARY

GROSS RETURN		\$109.43	
VARIABLE OPERATING EXPENSES	\$130.30		
RETURN OVER VARIABLE EXPENSES		(\$20.88)	(GROSS MARGIN)
FIXED EXPENSES	\$14.34		
NET FARM INCOME		(\$35.22)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$23.08		
NET OPERATING PROFIT		(\$58.31)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$9.17		
RETURN TO LAND AND RISK		(\$67.48)	

TABLE 7. Summary of per acre costs and returns for a 640 acre farm with above average management, Union County, Actual 2024

	WHEAT	GRAIN SORGHUM
	BU	CWT
PRIMARY YIELD	35.00	15.00
PRIMARY PRICE	\$5.46	\$7.30
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$20.00	\$0.00
GROSS RETURN	\$211.10	\$109.43
CASH OPERATING EXPENSES		
SEED	\$15.00	\$6.15
FERTILIZER	\$13.50	\$13.75
CHEMICALS		\$16.00
CROP INSURANCE		
OTHER PURCHASED INPUTS		
CANAL WATER		
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$14.89	\$16.44
FUEL-IRRIGATION		
REPAIRS	\$4.37	\$4.53
CUSTOM CHARGES	\$21.60	\$23.35
LAND TAXES	\$0.09	\$0.09
OTHER EXPENSES	\$50.06	\$50.08
TOTAL CASH EXPENSES	\$119.52	\$130.40
RETURN OVER CASH EXPENSES	\$91.58	(\$20.97)
FIXED EXPENSES	\$13.19	\$14.25
TOTAL EXPENSES	\$132.71	\$144.65
NET FARM INCOME	\$78.39	(\$35.22)
LABOR AND MANAGEMENT COSTS	\$28.75	\$23.08
NET OPERATING PROFIT	\$49.65	(\$58.31)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$1.93	\$2.33
INTEREST ON EQUIPMENT INVESTMENT	\$6.36	\$6.85
TOTAL CAPITAL COSTS	\$8.29	\$9.17
RETURN TO LAND AND RISK	\$41.36	(\$67.48)

Flex Computation	60.90	-46.38
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TABLE 8. Whole farm summary, Union County,
Actual 2024

GROSS RETURNS		
WHEAT	229.00 ACRES	
CROP		\$43,762
GRAZING		\$4,580
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
GRAIN SORGHUM	391.00 ACRES	
CROP		\$42,785
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
GROSS RETURN		<u>\$91,127</u>
CASH OPERATING EXPENSES		
SEED		\$5,840
FERTILIZER		\$8,468
CHEMICALS		\$6,256
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$9,839
FUEL-IRRIGATION		\$0
REPAIRS		\$2,771
CUSTOM CHARGES		\$14,076
LAND TAXES		\$59
OTHER EXPENSES		\$31,048
TOTAL CASH EXPENSES		<u>\$78,356</u>
RETURN OVER CASH EXPENSES		\$12,771
FIXED EXPENSES		\$8,591
TOTAL EXPENSES		\$86,947
NET FARM INCOME		\$4,180
LABOR AND MANAGEMENT COSTS		\$15,608
NET OPERATING PROFIT		(\$11,428)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$1,351
INTEREST ON EQUIPMENT INVESTMENT		\$4,134
TOTAL CAPITAL COSTS		<u>\$5,485</u>
RETURN TO LAND AND RISK		<u>(\$16,913)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$100 /ACRE	(\$18,075)	-9.68%
\$200 /ACRE	(\$19,237)	-6.28%
\$300 /ACRE	(\$20,400)	-4.64%

* 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)