

TABLE 1. Acreage Summary, Curry County,
Projected 2019

BUDGET AREA.....CURRY COUNTY			
FARM SIZE.....520 ACRES			
IRRIGATION TYPE.....FLOOD			
NUMBER OF CROPS.....2.....			
ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
WHEAT	255	15	3,825
ARP	0		
FLEX IN WHEAT	45	15	675
GRAIN SORGHUM	170	20	3,400
ARP	0		
FLEX IN WHEAT	30	15	450
ROADS, DITCHES			
HOMESTEAD	<u>20</u>		
TOTAL	520		8,350
ACRE FEET PER ACRE OF WATER RIGHTS			<u>1.34</u>

TABLE 2. Basic cost information for Curry County,
Projected 2019

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$7.75
General & Irrigators	\$/hour		\$7.50
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.42
Phosphate (P205)	\$/pound		\$0.49
Anhydrous (NH3)	\$/ton		\$745.00
Seed:			
Grain Sorghum	\$/pound		\$2.05
Wheat	\$/pound		\$0.40
Diesel fuel	\$/gallon		\$2.65
Gasoline	\$/gallon		\$2.35
Electricity (SWPS)	cents/Kwhr		7.74
LP gas	\$/gallon		\$2.55
Natural Gas (Gas NM)	\$/MCF		\$4.00
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		5.50%
Land Interest Rate	percent		5.00%
Equipment Interest Rate	percent		5.50%
Real Interest Rate	percent		3.00%
Land Taxes	\$109.00 /acre (full value)		\$0.75
Personal Propety Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value)	\$20.61 \$20.29
Supervision Factors			
Field Crop-Irrigation	\$/labor hour		\$1.00
Field Crop-Equipment & General	\$/labor hour		\$0.50
Management Rate	percent		<u>7.00%</u>

TABLE 3. Overhead cost information for Curry County,
Projected 2019

Item			
Electricity (Domestic & Shop)		\$256.00 per month	\$3,072
Telephone		\$128.00 per month	\$1,536
Accounting & Legal			\$1,888
Misc. Supplies & Hand Tools			\$2,822
Pickup and Auto			
miles	25,600	@ \$0.500 per mile	\$12,800
Insurance			
- general liability (non-employee)			\$2,522
- fire/theft			\$2,022
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$0
Building repairs and maintenance			\$1,670
Dues, fees, publications			\$461
Farmstead Equipment			<u>\$192</u>
Total			<u>\$28,986</u>
Total Per Planted Acre			<u>\$68.20</u>

TABLE 6. Wheat, flood-irrigated, budgeted per acre costs and returns for a 520 acre farm with above average management, Curry County, Projected 2019
 Planting Dates: August 15 - September 15
 Harvesting Dates: June 15 - July 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$5.10	65.00 BUSHEL		\$331.50
PROGRAM PAYMENT	\$0.00	65.00 BUSHEL	0.85	\$0.00
PLC PAYMENT	\$0.00			\$0.00
GRAZING	\$40.00	1.00 ACRE		\$40.00
TOTAL				\$371.50

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.40	60 LBS	\$24.00		\$24.00
ANHYDROUS AMMONIA (NH3)	\$0.37	100 LBS	\$37.25		\$37.25
NITROGEN (N)	\$0.42	18 LBS	\$7.56		\$7.56
PHOSPHORUS (P205)	\$0.49	46 LBS	\$22.54		\$22.54
INSECTICIDE (CUSTOM)	\$9.59	1 ACRE	\$9.59		\$9.59
HERBICIDE (CUSTOM)	\$10.69	1 ACRE	\$10.69		\$10.69
PUMP WATER*		15 AC. IN.			
CROP INSURANCE	\$0.15		\$0.15		\$0.15
SUBTOTAL			\$111.78		\$111.78

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (3X)	185 HP	0.33 HR		\$2.56	\$9.06	\$5.54	\$12.50	\$29.65
ANHYDROUS APPL	185 HP	0.17 HR		\$1.32	\$4.67	\$0.95	\$4.63	\$11.57
LISTER	185 HP	0.12 HR		\$0.93	\$3.29	\$0.99	\$4.11	\$9.32
FERT SPREADER	145 HP	0.05 HR		\$0.39	\$1.04	\$0.21	\$2.38	\$4.02
DRILL	145 HP	0.13 HR		\$1.01	\$2.69	\$0.78	\$9.04	\$13.52
IRRIGATE (3X)		1.50 HR		\$11.25	\$56.41	\$0.00	\$3.57	\$71.22
SUBTOTAL		2.30 HR		\$17.45	\$77.15	\$8.48	\$36.22	\$139.30

HARVEST OPERATIONS					
COMBINE (CUSTOM)			\$24.74		\$24.74
HAUL (CUSTOM)			\$10.40		\$10.40
SUBTOTAL			\$35.14		\$35.14

OVERHEAD EXPENSES					
DOWNTIME		0.20 HR		\$1.55	\$1.55
EMPLOYEE BENEFITS				\$3.14	\$3.14
INSURANCE			\$0.35		\$0.35
LAND TAXES					\$0.75
SUPERVISION AND MANAGEMENT				\$27.91	\$27.91
OTHER EXPENSES			\$68.20		\$68.20
SUBTOTAL		0.20 HR	\$68.55	\$32.60	\$0.75

TOTAL OPERATING EXPENSES		2.50 HR	\$215.47	\$50.05	\$77.15	\$8.48	\$36.97	\$388.11
NET OPERATING PROFIT								(\$16.61)
INTEREST ON OPERATING CAPITAL	(\$80.22	@	5.50%)			\$4.41
INTEREST ON EQUIPMENT INVESTMENT								\$10.14
RETURN TO LAND AND RISK								(\$31.17)

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

BUDGET SUMMARY

GROSS RETURN		\$371.50	
VARIABLE OPERATING EXPENSES	\$301.10		
RETURN OVER VARIABLE EXPENSES		\$70.40	(GROSS MARGIN)
FIXED EXPENSES	\$36.97		
NET FARM INCOME		\$33.43	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$50.05		
NET OPERATING PROFIT		(\$16.61)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.56		
RETURN TO LAND AND RISK		(\$31.17)	

TABLE 7. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 520 acre farm with above average management, Curry County,
 Projected 2019
 Planting Dates: May 15 - June 15
 Harvesting Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN SORGHUM	\$6.33	65.00 CWT		\$411.13
PROGRAM PAYMENT	\$0.00	65.00 CWT	0.85	\$0.00
PLC PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$20.00	1.00 ACRE		\$20.00
TOTAL				\$431.13

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$2.05	5 LBS	\$10.25		\$10.25
ANHYDROUS (NH3)	\$0.37	150 LBS	\$55.88		\$55.88
NITROGEN (N)	\$0.42	25 LBS	\$10.50		\$10.50
PHOSPHORUS (P205)	\$0.49	50 LBS	\$24.50		\$24.50
HERBICIDE (CUSTOM)	\$14.11	1 X/ACRE	\$14.11		\$14.11
INSECTICIDE (CUSTOM)	\$13.49	1 X/ACRE	\$13.49		\$13.49
TRACE ELEMENTS	\$13.89	1 ACRE	\$13.89		\$13.89
PUMP WATER*		20 AC. IN.		\$0.29	\$0.29
CROP INSURANCE	\$0.29				\$0.29
SUBTOTAL			\$142.90		\$142.90

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.11 HR		\$0.85	\$3.02	\$1.85	\$4.17	\$9.88
CHISEL	185 HP	0.15 HR		\$1.16	\$4.12	\$1.15	\$5.98	\$12.41
DISC (2X)	185 HP	0.22 HR		\$1.71	\$6.04	\$3.69	\$8.33	\$19.76
ANHYDROUS APPL	185 HP	0.17 HR		\$1.32	\$4.67	\$0.95	\$4.63	\$11.57
LISTER	185 HP	0.12 HR		\$0.93	\$3.29	\$0.99	\$4.11	\$9.32
PRE-IRRIGATE		0.50 HR		\$3.88	\$15.04	\$0.00	\$0.95	\$19.87
ROD WEEDER	140 HP	0.08 HR		\$0.62	\$1.66	\$0.40	\$4.52	\$7.21
PLANTER	140 HP	0.17 HR		\$1.32	\$3.52	\$1.07	\$14.64	\$20.55
CULTIVATOR (2X)	140 HP	0.26 HR		\$2.02	\$5.38	\$2.72	\$18.11	\$28.24
IRRIGATE (4X)		2.00 HR		\$15.00	\$60.17	\$0.00	\$3.80	\$78.97
SUBTOTAL		3.78 HR		\$28.80	\$106.91	\$12.83	\$69.23	\$217.77

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$28.43					\$28.43
HAUL (CUSTOM)			\$12.35					\$12.35
SUBTOTAL			\$40.78					\$40.78

OVERHEAD EXPENSES								
DOWNTIME		0.32 HR		\$2.48				\$2.48
EMPLOYEE BENEFITS				\$5.18				\$5.18
INSURANCE			\$0.58					\$0.58
LAND TAXES						\$0.75		\$0.75
SUPERVISION AND MANAGEMENT				\$33.07				\$33.07
OTHER EXPENSES			\$68.20					\$68.20
SUBTOTAL		0.32 HR	\$68.78	\$40.73		\$0.75		\$110.26

TOTAL OPERATING EXPENSES 4.10 HR \$252.46 \$69.53 \$106.91 \$12.83 \$69.98 \$511.71

NET OPERATING PROFIT (\$80.59)

INTEREST ON OPERATING CAPITAL (\$104.79 @ 5.50%) \$5.76
 INTEREST ON EQUIPMENT INVESTMENT \$19.31

RETURN TO LAND AND RISK (\$105.66)

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

GROSS RETURN		\$431.13		
VARIABLE OPERATING EXPENSES	\$372.21			
RETURN OVER VARIABLE EXPENSES		\$58.92	(GROSS MARGIN)	
FIXED EXPENSES	\$69.98			
NET FARM INCOME		(\$11.06)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$69.53			
NET OPERATING PROFIT		(\$80.59)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$25.07			
RETURN TO LAND AND RISK		(\$105.66)		

TABLE 8. Summary of per acre costs and returns for a 520 acre farm with above average management, Curry County, Projected 2019

	WHEAT	GRAIN SORGHUM
	BUSHEL	CWT
PRIMARY YIELD	65.00	65.00
PRIMARY PRICE	\$5.10	\$6.33
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$40.00 ACRE	\$20.00 ACRE
GROSS RETURN	\$371.50	\$431.13
CASH OPERATING EXPENSES		
SEED	\$24.00	\$10.25
FERTILIZER	\$67.35	\$104.76
CHEMICALS	\$20.28	\$27.60
CROP INSURANCE	\$0.15	\$0.29
OTHER PURCHASED INPUTS		
CANAL WATER		
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$20.75	\$31.70
FUEL-IRRIGATION	\$56.41	\$75.21
REPAIRS	\$8.48	\$12.83
CUSTOM CHARGES	\$35.14	\$40.78
LAND TAXES	\$0.75	\$0.75
OTHER EXPENSES	\$68.55	\$68.78
TOTAL CASH EXPENSES	\$301.85	\$372.95
RETURN OVER CASH EXPENSES	\$69.65	\$58.17
FIXED EXPENSES	\$36.22	\$69.23
TOTAL EXPENSES	\$338.07	\$442.19
NET FARM INCOME	\$33.43	(\$11.06)
LABOR AND MANAGEMENT COSTS	\$50.05	\$69.53
NET OPERATING PROFIT	(\$16.61)	(\$80.59)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$4.41	\$5.76
INTEREST ON EQUIPMENT INVESTMENT	\$10.14	\$19.31
TOTAL CAPITAL COSTS	\$14.56	\$25.07
RETURN TO LAND AND RISK	<u>(\$31.17)</u>	<u>(\$105.66)</u>
Flex Computation	15.19	-17.12

TABLE 9. Whole farm summary, Curry County,
Projected 2019

GROSS RETURNS		
WHEAT	330 ACRES	
CROP		\$109,395
GRAZING		\$13,200
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
GRAIN SORGHUM	170 ACRES	
CROP		\$69,891
GRAZING		\$3,400
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
GROSS RETURN		<u>\$195,886</u>
CASH OPERATING EXPENSES		
SEED		\$9,663
FERTILIZER		\$40,035
CHEMICALS		\$11,382
CROP INSURANCE		\$100
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$12,235
FUEL-IRRIGATION		\$31,400
REPAIRS		\$4,980
CUSTOM CHARGES		\$18,529
LAND TAXES		\$374
OTHER EXPENSES		\$34,314
TOTAL CASH EXPENSES		<u>\$163,012</u>
RETURN OVER CASH EXPENSES		\$32,874
FIXED EXPENSES		\$23,721
TOTAL EXPENSES		\$186,733
NET FARM INCOME		\$9,153
LABOR AND MANAGEMENT COSTS		\$28,335
NET OPERATING PROFIT		(\$19,182)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$2,436
INTEREST ON EQUIPMENT INVESTMENT		\$6,630
TOTAL CAPITAL COSTS		<u>\$9,066</u>
RETURN TO LAND AND RISK		<u><u>(\$28,247)</u></u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$36,047)	-5.03%
\$1,000 /ACRE	(\$43,847)	-2.99%
\$1,500 /ACRE	(\$51,647)	-2.13%
\$2,000 /ACRE	(\$59,447)	-1.65%
\$2,500 /ACRE	(\$67,247)	-1.35%

* 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)