

TABLE 1. Acreage Summary, Roosevelt County, Projected 2021

BUDGET AREA.....	CAUSEY-LINGO AREA, ROOSEVELT COUNTY
FARM SIZE.....	1,280 ACRES
IRRIGATION TYPE.....	DRYLAND
NUMBER OF CROPS.....	3

ACREAGE SUMMARY:	LAND USE (ACRES)
GRAIN SORGHUM	357.00
ARP	0.00
FLEX IN COTTON	63.00
COTTON	157.00
ARP	0.00
FLEX IN COTTON	63.00
WHEAT	557.00
ARP	0.00
FLEX IN COTTON	63.00
ROADS, HOMESTEAD	20.00
TOTAL	1,280.00

TABLE 2. Basic cost information for the Causey-Lingo area, Roosevelt County, Projected 2021

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$8.55
General & Irrigators	\$/hour	\$7.50
Purchased Inputs:		
Seed:		
Wheat	\$/pound	\$0.40
Grain Sorghum	\$/pound	\$2.05
Cotton	\$/pound	\$8.10
Fuel:		
Diesel fuel	\$/gallon	\$2.59
Gasoline	\$/gallon	\$2.41
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	4.25%
Land Interest Rate	percent	5.25%
Equipment Interest Rate	percent	3.50%
Real Interest Rate	percent	5.25%
Land Taxes	\$89.00 /acre (full value)	\$0.60
Personal Property Tax Rate	- NR \$/\$1,000 (Assessed Value)	\$20.26
	- R	\$13.80
Supervision Factor	\$/labor hour	\$0.50
Management Rate	percent	7.00%

TABLE 3. Overhead cost information for the Causey-Lingo area, Roosevelt County, Projected 2021

Item		
Electricity (Domestic & Shop)	\$249.60 per month	\$2,995
Telephone	\$115.20 per month	\$1,382
Accounting & Legal		\$1,888
Misc. Supplies & Hand Tools		\$2,822
Pickup and Auto		
miles	32,960 @ \$0.500 per mile	\$16,480
Insurance		
- general liability (non-employee)		\$2,048
- fire/theft		\$1,587
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$6,010
Building repairs and maintenance		\$1,542
Dues, fees, publications		\$461
Farmstead Equipment		\$205
	Total	\$37,421
	Total Per Planted Acre	\$29.70

TABLE 5. Grain sorghum, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Causey-Lingo area, Roosevelt County, Projected 2021
 Planting Dates: May 15 - May 30
 Harvest Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN SORGHUM	\$6.33	15.00 CWT		\$94.88
PROGRAM PAYMENT	\$0.00	15.00 CWT	0.85	\$0.00
PLC PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$5.00	1 ACRE		\$5.00
TOTAL				\$99.88

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$2.05	3 LBS	\$6.15		\$6.15
INSECTICIDE	\$15.88	1 X/ACRE	\$15.88		\$15.88
CROP INSURANCE	\$0.14		\$0.14		\$0.14
SUBTOTAL			\$22.17		\$22.17

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	165 HP	0.11 HR		\$0.94	\$2.55	\$1.61	\$2.36	\$7.47
STUBBLE MULCH	165 HP	0.10 HR		\$0.86	\$2.32	\$1.34	\$2.38	\$6.90
LISTER	165 HP	0.09 HR		\$0.77	\$2.09	\$0.84	\$1.89	\$5.59
ROD WEED	165 HP	0.05 HR		\$0.43	\$1.16	\$0.34	\$0.82	\$2.75
PLANTER	93 HP	0.12 HR		\$1.03	\$1.76	\$0.42	\$1.74	\$4.95
CULTIVATOR	93 HP	0.10 HR		\$0.86	\$1.47	\$0.59	\$0.63	\$3.54
SPRAYER	93 HP	0.06 HR		\$0.51	\$0.88	\$0.10	\$0.65	\$2.14
SUBTOTAL		0.63 HR		\$5.39	\$12.24	\$5.24	\$10.47	\$33.33

HARVEST OPERATIONS								
COMBINE		0.14 HR		\$1.20	\$3.03	\$0.36	\$9.81	\$14.39
HAUL	2 TON	0.14 HR		\$1.20	\$2.30	\$0.90	\$2.21	\$6.61
SUBTOTAL		0.28 HR		\$2.39	\$5.33	\$1.26	\$12.02	\$21.00

OVERHEAD EXPENSES								
DOWNTIME		0.12 HR		\$1.00				\$1.00
EMPLOYEE BENEFITS				\$1.40				\$1.40
INSURANCE				\$0.16				\$0.16
LAND TAXES							\$0.60	\$0.60
SUPERVISION AND MANAGEMENT				\$7.37				\$7.37
OTHER EXPENSES				\$29.70				\$29.70
SUBTOTAL		0.12 HR		\$29.85	\$9.77		\$0.60	\$40.23

TOTAL OPERATING EXPENSES 1.03 HR \$52.03 \$17.55 \$17.57 \$6.50 \$23.09 \$116.74

NET OPERATING PROFIT (\$16.86)

INTEREST ON OPERATING CAPITAL (\$16.01 @ 4.25%) \$0.68
 INTEREST ON EQUIPMENT INVESTMENT \$5.24

RETURN TO LAND AND RISK (\$22.79)

BUDGET SUMMARY

GROSS RETURN		\$99.88	
VARIABLE OPERATING EXPENSES	\$76.10		
RETURN OVER VARIABLE EXPENSES		\$23.78	(GROSS MARGIN)
FIXED EXPENSES	\$23.09		
NET FARM INCOME		\$0.69	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$17.55		
NET OPERATING PROFIT		(\$16.86)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$5.92		
RETURN TO LAND AND RISK		(\$22.79)	

TABLE 6. Upland cotton (stripper), dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Causey-Lingo area, Roosevelt County, Projected 2021
 Planting Dates: May 1 - June 10
 Harvest Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE					TOTAL	
GROSS RETURNS									
LINT	\$0.68	250.00 LBS						\$170.00	
SEED	\$0.08	400 LBS						\$33.60	
PROGRAM PAYMENT	\$0.0000	250.00 LBS	0.85					\$0.00	
PLC PAYMENT	\$0.3670	250.00 LBS	0.85					\$77.99	
TOTAL								\$281.59	
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$8.10	15 LBS	\$121.50						\$121.50
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01						\$20.01
CROP INSURANCE	\$0.14		\$0.14						\$0.14
SUBTOTAL			\$141.65						\$141.65
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
CHISEL	165 HP	0.15 HR		\$1.28	\$3.48	\$1.05	\$2.63	\$8.45	
DISC	165 HP	0.11 HR		\$0.94	\$2.55	\$1.61	\$2.36	\$7.47	
LISTER	165 HP	0.09 HR		\$0.77	\$2.09	\$0.84	\$1.89	\$5.59	
ROD WEED	165 HP	0.05 HR		\$0.43	\$1.16	\$0.34	\$0.82	\$2.75	
PLANTER	165 HP	0.12 HR		\$1.03	\$2.79	\$0.96	\$3.28	\$8.05	
CULTIVATOR (2X)	93 HP	0.20 HR		\$1.71	\$2.94	\$1.17	\$1.27	\$7.08	
HAND HOE (CUSTOM)			\$6.00					\$6.00	
SUBTOTAL		0.72 HR	\$6.00	\$6.16	\$15.01	\$5.97	\$12.25	\$45.39	
HARVEST OPERATIONS									
COTTON STRIPPER (MTD)	93 HP	0.58 HR		\$4.96	\$8.51	\$1.05	\$2.90	\$17.43	
HAUL	2 TON	0.50 HR		\$4.28	\$8.23	\$3.22	\$7.90	\$23.62	
GIN COTTON (CUSTOM)			\$38.40					\$38.40	
SUBTOTAL		1.08 HR	\$38.40	\$9.23	\$16.74	\$4.27	\$10.80	\$79.45	
POST HARVEST OPERATIONS									
SHREDDER	93 HP	0.25 HR		\$2.14	\$3.67	\$0.32	\$1.26	\$7.39	
OVERHEAD EXPENSES									
DOWNTIME		0.47 HR		\$4.04				\$4.04	
EMPLOYEE BENEFITS				\$3.15				\$3.15	
INSURANCE			\$0.35					\$0.35	
LAND TAXES							\$0.60	\$0.60	
SUPERVISION AND MANAGEMENT				\$20.66				\$20.66	
OTHER EXPENSES			\$29.70					\$29.70	
SUBTOTAL		0.47 HR	\$30.05	\$27.85			\$0.60	\$58.50	
TOTAL OPERATING EXPENSES		2.52 HR	\$216.10	\$45.38	\$35.42	\$10.57	\$24.91	\$332.38	
NET OPERATING PROFIT								(\$50.79)	
INTEREST ON OPERATING CAPITAL		(\$78.82 @	4.25%)				\$3.35	
INTEREST ON EQUIPMENT INVESTMENT								\$5.05	
RETURN TO LAND AND RISK								(\$59.19)	

BUDGET SUMMARY

GROSS RETURN		\$281.59	
VARIABLE OPERATING EXPENSES	\$262.09		
RETURN OVER VARIABLE EXPENSES		\$19.50	(GROSS MARGIN)
FIXED EXPENSES	\$24.91		
NET FARM INCOME		(\$5.41)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$45.38		
NET OPERATING PROFIT		(\$50.79)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$8.40		
RETURN TO LAND AND RISK		(\$59.19)	

TABLE 7. Wheat, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Causey-Lingo area, Roosevelt County, Projected 2021
 Planting dates: August 15 - September 15
 Harvesting dates: June 1 - June 25

ITEM	PRICE	YIELD	BASE					TOTAL
GROSS RETURNS								
WHEAT	\$4.65	18.00 BUSHELS						\$83.70
PROGRAM PAYMENT	\$0.00	18.00 BUSHELS	0.85					\$0.00
PLC PAYMENT	\$0.00							\$0.00
GRAZING	\$20.00	1.00 ACRE						\$20.00
TOTAL								\$103.70
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$0.40	30 LB	\$12.00					\$12.00
CROP INSURANCE	\$0.09		\$0.09					\$0.09
			\$12.09					\$12.09
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
STUBBLE MULCH	165 HP	0.10 HR		\$0.86	\$2.32	\$1.34	\$2.38	\$6.90
DISC	165 HP	0.11 HR		\$0.94	\$2.55	\$1.61	\$2.36	\$7.47
RODWEED	165 HP	0.05 HR		\$0.43	\$1.16	\$0.34	\$0.82	\$2.75
DRILL	93 HP	0.05 HR		\$0.43	\$0.73	\$0.23	\$2.93	\$4.32
SUBTOTAL		0.31 HR		\$2.65	\$6.77	\$3.52	\$8.49	\$21.44
HARVEST OPERATIONS								
COMBINE		0.14 HR		\$1.20	\$3.03	\$0.36	\$9.81	\$14.39
HAUL	2 TON	0.14 HR		\$1.20	\$2.30	\$0.90	\$2.21	\$6.61
SUBTOTAL		0.28 HR		\$2.39	\$5.33	\$1.26	\$12.02	\$21.00
OVERHEAD EXPENSES								
DOWNTIME		0.10 HR		\$0.86				\$0.86
EMPLOYEE BENEFITS				\$0.91				\$0.91
INSURANCE			\$0.10					\$0.10
LAND TAXES							\$0.60	\$0.60
SUPERVISION AND MANAGEMENT				\$7.41				\$7.41
OTHER EXPENSES			\$29.70					\$29.70
SUBTOTAL		0.10 HR	\$29.80	\$9.18			\$0.60	\$39.58
TOTAL OPERATING EXPENSES		0.41 HR	\$41.80	\$14.22	\$12.10	\$4.78	\$21.11	\$94.02
NET OPERATING PROFIT								\$9.68
INTEREST ON OPERATING CAPITAL		(\$9.12 @	4.25%)				\$0.39
INTEREST ON EQUIPMENT INVESTMENT								\$4.70
RETURN TO LAND AND RISK								\$4.59
BUDGET SUMMARY								
GROSS RETURN			\$103.70					
VARIABLE OPERATING EXPENSES	\$58.69							
RETURN OVER VARIABLE EXPENSES		\$45.01	(GROSS MARGIN)					
FIXED EXPENSES	\$21.11							
NET FARM INCOME		\$23.90	(RETURN TO CAPITAL, LABOR, LAND & RISK)					
LABOR AND MANAGEMENT COST	\$14.22							
NET OPERATING PROFIT		\$9.68	(RETURN TO CAPITAL, LAND & RISK)					
CAPITAL COSTS	\$5.09							
RETURN TO LAND AND RISK		\$4.59						

TABLE 8. Summary of per acre costs and returns for a 1,280 acre farm with above average management, Roosevelt County, Projected 2021

	GRAIN SORGHUM	STRIPPER COTTON	WHEAT
	CWT	LBS	BU
PRIMARY YIELD	15.00	250.00	18.00
PRIMARY PRICE	\$6.33	\$0.68	\$4.65
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$5.00	\$33.60	\$20.00
GROSS RETURN	\$99.88	\$281.59	\$103.70
CASH OPERATING EXPENSES			
SEED	\$6.15	\$121.50	\$12.00
FERTILIZER			
CHEMICALS	\$15.88	\$20.01	
CROP INSURANCE	\$0.14	\$0.14	\$0.09
OTHER PURCHASED INPUTS			
CANAL WATER			
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$17.57	\$35.42	\$12.10
FUEL-IRRIGATION			
REPAIRS	\$6.50	\$10.57	\$4.78
CUSTOM CHARGES	\$0.00	\$44.40	\$0.00
LAND TAXES	\$0.60	\$0.60	\$0.60
OTHER EXPENSES	\$29.85	\$30.05	\$29.80
TOTAL CASH EXPENSES	\$76.70	\$262.69	\$59.38
RETURN OVER CASH EXPENSES	\$23.18	\$18.90	\$44.32
FIXED EXPENSES	\$22.49	\$24.31	\$20.51
TOTAL EXPENSES	\$99.19	\$287.00	\$79.89
NET FARM INCOME	\$0.69	(\$5.41)	\$23.81
LABOR AND MANAGEMENT COSTS	\$17.55	\$45.38	\$14.22
NET OPERATING PROFIT	(\$16.86)	(\$50.79)	\$9.59
CAPITAL COSTS			
INTEREST ON OPERATING CAPITAL	\$0.68	\$3.35	\$0.39
INTEREST ON EQUIPMENT INVESTMENT	\$5.24	\$5.05	\$4.70
TOTAL CAPITAL COSTS	\$5.92	\$8.40	\$5.09
RETURN TO LAND AND RISK	(\$22.79)	(\$59.19)	\$4.50

TABLE 9. Whole farm summary, Causey-Lingo area, Roosevelt County,
Projected 2021

GROSS RETURNS		
GRAIN SORGHUM	357.00 ACRES	
CROP		\$33,870
GRAZING		\$1,785
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
COTTON	346.00 ACRES	
LINT		\$58,820
SEED		\$11,626
DIRECT PAYMENT		\$0
WHEAT	557.00 ACRES	
CROP		\$46,621
GRAZING		\$11,140
PROGRAM PAYMENT		\$0
PLC PAYMENT		\$0
GROSS RETURN		<u>\$163,862</u>
CASH OPERATING EXPENSES		
SEED		\$50,919
FERTILIZER		\$0
CHEMICALS		\$12,593
CROP INSURANCE		\$150
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$25,269
FUEL-IRRIGATION		\$0
REPAIRS		\$8,640
CUSTOM CHARGES		\$15,362
LAND TAXES		\$757
OTHER EXPENSES		\$37,654
TOTAL CASH EXPENSES		<u>\$151,345</u>
RETURN OVER CASH EXPENSES		\$12,517
FIXED EXPENSES		\$27,865
TOTAL EXPENSES		\$179,210
NET FARM INCOME		(\$15,348)
LABOR AND MANAGEMENT COSTS		\$29,888
NET OPERATING PROFIT		(\$45,237)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$1,618
INTEREST ON EQUIPMENT INVESTMENT		\$6,239
TOTAL CAPITAL COSTS		<u>\$7,857</u>
RETURN TO LAND AND RISK		<u>(\$53,093)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$150 /ACRE	(\$63,173)	-12.15%
\$200 /ACRE	(\$66,533)	-10.37%
\$250 /ACRE	(\$69,893)	-9.04%
\$300 /ACRE	(\$73,253)	-8.02%
\$350 /ACRE	(\$76,613)	-7.20%
\$400 /ACRE	(\$79,973)	-6.53%

* 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)