

TABLE 1. Acreage Summary, Curry County, Projected 2005.

BUDGET AREA.....	CURRY COUNTY
FARM SIZE.....	640 ACRES
IRRIGATION TYPE.....	SPRINKLER
NUMBER OF CROPS.....	2

ACREAGE SUMMARY:	WATER USE	
	AC. IN. PER ACRE	TOTAL AC. IN.
WHEAT	255	10
ARP	0	
FLEX IN WHEAT	45	10
GRAIN SORGHUM	170	16
ARP	0	
FLEX IN WHEAT	30	10
CORNERS, ROADS, HOMESTEAD	140	
TOTAL	640	6,020
ACRE FEET PER ACRE OF WATER RIGHTS		0.78

TABLE 2. Basic cost information for Curry County, Projected 2005.

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$7.45
General Irrigators	\$/hour	\$6.65
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.40
Phosphate (P205)	\$/pound	\$0.31
Seed:		
Grain Sorghum	\$/pound	\$1.23
Wheat	\$/pound	\$0.24
Diesel fuel	\$/gallon	\$2.10
Gasoline	\$/gallon	\$2.00
Electricity (SWPS)	cents/Kwh	6.85
LP gas	\$/gallon	\$1.70
Natural gas (Gas NM)	\$/MCF	\$3.27
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	7.00%
Land Interest Rate	percent	7.00%
Equipment Interest Rate	percent	7.00%
Real Interest Rate	percent	3.00%
Land Taxes	\$109.00 /acre (full value)	\$109.00
Personal Property Tax Rate	- NR \$/\$1,000 (Assessed Value)	\$25.05
	- R	\$25.05
Supervision Factors		
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 Curry County, Projected 2005.

Item		
Electricity (Domestic & Shop)	\$0.00 per month	\$0
Telephone	\$0.00 per month	\$0
Accounting & Legal		\$0
Misc. Supplies & Hand Tools		\$0
Pickup and Auto		
miles	0 @ \$0.000 per mile	\$0
Insurance		
- general liability (non-employee)		\$0
- fire/theft		\$0
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$0
Building repairs and maintenance		\$0
Dues, fees, publications		\$0
Farmstead Equipment		\$0
Total		\$0
Total Per Planted Acre		\$0.00

TABLE 4. Pumping costs and data for Curry County,
Projected 2005.

INPUT DATA			
DELIVERY PSI:		DEPTH CHARACTERISTICS:	
SPRINKLER	40	STATIC.....	300
		DRAW DOWN.....	35
		TOTAL HEAD.....	335
		CASING.....	350
GALLONS PER MINUTE (GPM)	550		
WORK HORSEPOWER	59		
EFFICIENCY FACTOR:			
ELECTRICITY	0.592		
NATURAL GAS	0.156		
LP GAS	0.156		
DIESEL	0.160		
FUEL COST PER UNIT:			
ELECTRICITY	6.85	CENTS/KwHr	
NATURAL GAS	\$3.27	\$/MCF	
LP GAS	\$1.70	\$/GAL	
DIESEL	\$2.10	\$/GAL	
FUEL PUMPING CC			
ELECTRIC WELL:			
	COST PER HOUR		\$5.16
	COST PER ACRE INCH		\$4.24
NATURAL GAS WELL:			
	COST PER HOUR		\$3.50
	COST PER ACRE INCH		\$2.88
LP GAS WELL:			
	COST PER HOUR		\$17.95
	COST PER ACRE INCH		\$14.77
DIESEL WELL:			
	COST PER HOUR		\$14.03
	COST PER ACRE INCH		\$11.55

TABLE 5. Equipment summary for a 640 acre sprinkler-irrigated wheat/grain sorghum farm with above average management, Curry County,
Projected 2005.

EQUIPMENT		VARIABLE COSTS				FIXED COSTS					
ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FUEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR	
TRACTOR	140 HP	119	1	\$19,725	\$1,951	\$517	\$16.41	\$4.35	\$4,834	\$303	\$43.21
TRACTOR	185 HP	254	1	\$44,016	\$5,517	\$1,467	\$21.75	\$5.79	\$6,428	\$403	\$26.93
DISC	18 FT OFFSE	165	1	\$7,500		\$1,535		\$9.30	\$1,000	\$63	\$6.44
DRILL	20 FT	43	1	\$3,600		\$74		\$1.73	\$720	\$30	\$17.48
FERT SPREADER DEALER FURNISHE		25									
CHISEL	9 PT	75	1	\$1,650		\$153		\$2.05	\$220	\$14	\$3.12
CULTIVATOR	6 ROW	22	1	\$3,000		\$82		\$3.72	\$400	\$25	\$19.23
PLANTER	6 ROW	29	1	\$4,250		\$59		\$2.04	\$850	\$35	\$30.64
ROD WEEDER		14	1	\$625		\$11		\$0.78	\$83	\$5	\$6.51
INJECTOR PUMP		4,954	1	\$600					\$120	\$3	\$0.02
SPRINKLER		4,954	1	\$15,000					\$2,000	\$125	\$0.43
ELECTRIC WELL		4,954	1	\$13,000	\$25,541		\$5.16		\$1,040	\$109	\$0.23
TOTAL				\$112,965	\$33,009	\$3,898			\$17,696	\$1,114	

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Curry County, Projected 2005.
Planting Dates: August 15 - September 15
Harvesting Dates: June 15 - July 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$3.75	75.00 BUSHELS		\$281.25
DIRECT PAYMENT	\$0.00	75.00 BUSHELS	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$40.00	1.00 ACRE		\$40.00
TOTAL				\$321.25

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.24	80 LBS	\$19.20		\$19.20
LIQUID FERT (28-0-0)	\$0.09	460 LBS	\$41.40		\$41.40
NITROGEN (N)	\$0.40	18 LBS	\$7.20		\$7.20
PHOSPHATE (P205)	\$0.31	46 LBS	\$14.26		\$14.26
INSECTICIDE (CUSTOM)	\$10.00	1 ACRE	\$10.00		\$10.00
HERBICIDE (CUSTOM)	\$11.17	1 ACRE	\$11.17		\$11.17
PUMP WATER*		10 AC. IN.			
CROP INSURANCE	\$0.15		\$0.15		\$0.15
SUBTOTAL			\$103.38		\$103.38

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
CHISEL	185 HP	0.15 HR		\$1.12	\$3.26	\$1.17	\$4.51	\$10.06
DISC (3X)	185 HP	0.33 HR		\$2.46	\$7.18	\$4.98	\$11.01	\$25.63
FERT SISREADER	140 HP	0.05 HR		\$0.37	\$0.82	\$0.22	\$2.16	\$3.57
DRILL	140 HP	0.13 HR		\$0.97	\$2.13	\$0.79	\$7.89	\$11.78
IRRIGATE (7X)		0.70 HR		\$4.66	\$42.43	\$0.00	\$5.64	\$52.72
SUBTOTAL		1.36 HR		\$9.57	\$55.82	\$7.16	\$31.21	\$103.77

HARVEST OPERATIONS					
COMBINE (CUSTOM)			\$24.55		\$24.55
HAUL (C (CUSTOM)			\$12.00		\$12.00
SUBTOTAL			\$36.55		\$36.55

OVERHEAD EXPENSES					
DOWNTIME		0.17 HR		\$1.23	\$1.23
EMPLOYEE BENEFITS				\$1.72	\$1.72
INSURANCE			\$0.19		\$0.19
LAND TAXES					\$109.00
SUPERVISION AND MANAGEMENT				\$23.44	\$23.44
OTHER EXPENSES			\$0.00		\$0.00
SUBTOTAL		0.17 HR	\$0.19	\$26.39	\$135.59

TOTAL OPERATING EXPENSES 1.53 HR \$140.12 \$35.97 \$55.82 \$7.16 \$140.21 \$379.29

NET OPERATING PROFIT (\$58.04)

INTEREST ON OPERATING CAPITAL (\$70.48 @ 7.00%) \$4.93
INTEREST ON EQUIPMENT INVESTMENT \$15.57

RETURN TO LAND AND RISK (\$78.54)

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

GROSS RETURN		\$321.25	
VARIABLE OPERATING EXPENSES	\$203.11		
RETURN OVER VARIABLE EXPENSES	\$118.14	(GROSS MARGIN)	
FIXED EXPENSES	\$140.21		
NET FARM INCOME		(\$22.07)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$35.97		
NET OPERATING PROFIT		(\$58.04)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$20.50		
RETURN TO LAND AND RISK		(\$78.54)	

TABLE 7. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Curry County
 Projected 2005.
 Planting Dates: May 15 - June 15
 Harvesting Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
GRAIN SORGHUM	\$3.70	65.00 CWT		\$240.27
DIRECT PAYMENT	\$0.00	65.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$9.00	1.00 ACRE		\$9.00
TOTAL				\$249.27

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.23	5 LBS	\$6.15		\$6.15
LIQUID FERT (28-0-0)	\$0.09	500 LBS	\$45.00		\$45.00
NITROGEN (N)	\$0.40	25 LBS	\$10.00		\$10.00
PHOSPHATE (P205)	\$0.31	50 LBS	\$15.50		\$15.50
HERBICIDE (CUSTOM)	\$11.57	1 X/ACRE	\$11.57		\$11.57
INSECTICIDE (CUSTOM)	\$5.68	1 X/ACRE	\$5.68		\$5.68
TRACE ELEMENTS	\$16.00	1 ACRE	\$16.00		\$16.00
PUMP WATER*		16 AC. IN.			
CROP INSURANCE	\$0.29		\$0.29		\$0.29
SUBTOTAL			\$110.20		\$110.20

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.11 HR		\$0.82	\$2.39	\$1.66	\$3.67	\$8.54
CHISEL	185 HP	0.15 HR		\$1.12	\$3.26	\$1.17	\$4.51	\$10.06
DISC (2X)	185 HP	0.22 HR		\$1.64	\$4.79	\$3.32	\$7.34	\$17.09
FERT SPREADER	140 HP	0.05 HR		\$0.37	\$0.82	\$0.22	\$2.16	\$3.57
ROD WEEDER	185 HP	0.08 HR		\$0.60	\$1.74	\$0.52	\$2.68	\$5.54
PLANT ER	140 HP	0.17 HR		\$1.27	\$2.79	\$1.09	\$12.55	\$17.70
CULTIVATOR	140 HP	0.13 HR		\$0.97	\$2.13	\$1.05	\$8.12	\$12.27
IRRIGATE (10X)		1.00 HR		\$6.65	\$67.88	\$0.00	\$9.03	\$83.56
SUBTOTAL		1.91 HR		\$13.43	\$85.81	\$9.03	\$50.05	\$158.32

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

OVERHEAD EXPENSES								
DOWNTIME		0.22 HR		\$1.60				\$1.60
EMPLOYEE BENEFITS				\$2.42				\$2.42
INSURANCE			\$0.27					\$0.27
LAND TAXES							\$109.00	\$109.00
SUPERVISION AND MANAGEMENT				\$18.90				\$18.90
OTHER EXPENSES			\$0.00					\$0.00
SUBTOTAL		0.22 HR		\$0.27	\$22.92		\$109.00	\$132.19

TOTAL OPERATING EXPENSES		2.13 HR		\$151.25	\$36.35	\$85.81	\$9.03	\$159.05	\$441.50
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NET OPERATING PROFIT									(\$192.23)
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INTEREST ON OPERATING CAPITAL	(\$82.21	@	7.00%)				\$5.75
INTEREST ON EQUIPMENT INVESTMENT									\$24.71

RETURN TO LAND AND RISK									(\$222.70)
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* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$249.27		
VARIABLE OPERATING EXPENSES	\$246.09			
RETURN OVER VARIABLE EXPENSES		\$3.18	(GROSS MARGIN)	
FIXED EXPENSES	\$159.05			
NET FARM INCOME		(\$155.88)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$36.35			
NET OPERATING PROFIT		(\$192.23)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$30.47			
RETURN TO LAND AND RISK		(\$222.70)		

TABLE 8. Summary of per acre costs and returns for a 640 acre farm with above average management, Curry County, Projected 2005.

	WHEAT	GRAIN SORGHUM
	BUSHELS	CWT
PRIMARY YIELD	75.00	65.00
PRIMARY PRICE	\$3.75	\$3.70
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$40.00 ACRE	\$9.00 ACRE
GROSS RETURN	\$321.25	\$249.27
CASH OPERATING EXPENSES		
SEED	\$19.20	\$6.15
FERTILIZER	\$62.86	\$86.50
CHEMICALS	\$21.17	\$17.25
CROP INSURANCE	\$0.15	\$0.29
OTHER PURCHASED INPUTS		
CANAL WATER		
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$13.40	\$17.93
FUEL-IRRIGATION	\$42.43	\$67.88
REPAIRS	\$7.16	\$9.03
CUSTOM CHARGES	\$36.55	\$40.78
LAND TAXES	\$109.00	\$109.00
OTHER EXPENSES	\$0.19	\$0.27
TOTAL CASH EXPENSES	\$312.11	\$355.09
RETURN OVER CASH EXPENSES	\$9.14	(\$105.82)
FIXED EXPENSES	\$31.21	\$50.05
TOTAL EXPENSES	\$343.32	\$405.14
NET FARM INCOME	(\$22.07)	(\$155.88)
LABOR AND MANAGEMENT COSTS	\$35.97	\$36.35
NET OPERATING PROFIT	(\$58.04)	(\$192.23)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$4.93	\$5.75
INTEREST ON EQUIPMENT INVESTMENT	\$15.57	\$24.71
TOTAL CAPITAL COSTS	\$20.50	\$30.47
RETURN TO LAND AND RISK	(\$78.54)	(\$222.70)

TABLE 9. Whole farm summary, Curry County,
Projected 2005.

GROSS RETURNS		
WHEAT	255 ACRES	
CROP		\$71,719
GRAZING		\$10,200
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAIN SORGHUM	170 ACRES	
CROP		\$40,846
GRAZING		\$1,530
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GROSS RETURN		<u>\$124,294</u>
CASH OPERATING EXPENSES		
SEED		\$7,382
FERTILIZER		\$35,449
CHEMICALS		\$9,920
CROP INSURANCE		\$100
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$7,468
FUEL-IRRIGATION		\$25,541
REPAIRS		\$3,898
CUSTOM CHARGES		\$18,995
LAND TAXES		\$54,500
OTHER EXPENSES		\$109
TOTAL CASH EXPENSES		<u>\$163,361</u>
RETURN OVER CASH EXPENSES		(\$39,067)
FIXED EXPENSES		\$18,809
TOTAL EXPENSES		\$182,170
NET FARM INCOME		(\$57,876)
LABOR AND MANAGEMENT COSTS		\$18,049
NET OPERATING PROFIT		(\$75,925)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$2,606
INTEREST ON EQUIPMENT INVESTMENT		\$9,337
TOTAL CAPITAL COSTS		<u>\$11,944</u>
RETURN TO LAND AND RISK		<u>(\$87,869)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$97,469)	-17.54%
\$1,000 /ACRE	(\$107,069)	-10.08%
\$1,500 /ACRE	(\$116,669)	-7.08%
\$2,000 /ACRE	(\$126,269)	-5.45%
\$2,500 /ACRE	(\$135,869)	-4.43%

* 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)