

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... CURRY COUNTY, Projected 2006  
FARM SIZE..... 640.00 ACRES  
IRRIGATION TYPE..... SPRINKLER  
NUMBER OF CROPS..... 2

VERSION 1.0

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TABLE 1. Acreage Summary, Curry County,  
Projected 2006.

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 2006.

Item		
<b>Labor Wage Rate:</b>		
Equipment operators	\$/hour	\$7.45
General Irrigators	\$/hour	\$6.65
<b>Purchased Inputs:</b>		
<b>Fertilizer:</b>		
Nitrogen (N)	\$/pound	\$0.52
Phosphate (P205)	\$/pound	\$0.40
<b>Seed:</b>		
Grain Sorghum	\$/pound	\$1.22
Wheat	\$/pound	\$0.28
Diesel fuel	\$/gallon	\$2.10
Gasoline	\$/gallon	\$2.00
Electricity (SWPS)	cents/KwH	6.53
LP gas	\$/gallon	\$2.00
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%
<b>Financial Rates:</b>		
Operating Capital Interest Rate	percent	8.00%
Land Interest Rate	percent	8.00%
Equipment Interest Rate	percent	8.00%
Real Interest Rate	percent	3.00%
Land Taxes	\$109.00 /acre (full value)	\$109.00
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value) \$22.57 \$22.57
<b>Supervision Factors</b>		
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 2006.

Item		
Electricity (Domestic & Shop)		\$212.00 per month
Telephone		\$106.00 per month
Accounting & Legal		\$1,553
Misc. Supplies & Hand Tools		\$2,327
Pickup and Auto		
miles	21,200	@ \$0.415 per mile
Insurance		
- general liability (non-employee)		\$2,088
- fire/theft		\$1,675
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$0
Building repairs and maintenance		\$1,383
Dues, fees, publications		\$371
Farmstead Equipment		\$159
		<b>Total</b>
		\$22,170
		<b>Total Per Planted Acre</b>
		\$44.34

TABLE 4. Pumping costs and data for Cury County, Projected 2006.

INPUT DATA	
DELIVERY PSI:	40
DEPTH CHARACTERISTICS:	
STATIC.....	300
DRAWNDOWN.....	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.....	0.180
FUEL COST PER UNIT:	
ELECTRICITY.....	6.53 CENTS/KWH
NATURAL GAS.....	\$3.27 \$ACF
LP GAS.....	\$2.20 \$GAL
DIESEL.....	\$2.10 \$GAL
FUEL PUMPING COST	
ELECTRIC WELL:	
COST PER HOUR.....	\$4.92
COST PER ACRE INCH.....	\$4.05
NATURAL GAS WELL:	
COST PER HOUR.....	\$3.50
COST PER ACRE INCH.....	\$2.88
LP GAS WELL:	
COST PER HOUR.....	\$2.12
COST PER ACRE INCH.....	\$1.78
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, Cury County, Projected 2006.

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	VARIABLE COSTS				FIXED COSTS			TOTAL PER HE
				FUEL OIL LUBRICANT	REPAIR PER HR	FUEL OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	HE	
TRACTOR 140 HP	119	1	\$38,800	\$1,981	\$917	\$16.41	\$4.35	\$4,834	\$273	\$42.96	
TRACTOR 185 HP	254	1	\$42,416	\$5,517	\$1,467	\$21.75	\$5.79	\$6,428	\$363	\$26.79	
DISC 18 FT OFFSE	185	1	\$7,200	\$1,260		\$6.30		\$1,000	\$66	\$6.40	
DRILL 20 FT	43	1	\$3,600	\$74		\$1.73		\$720	\$27	\$17.41	
FERT SPREADER DEALER FURNISH	25	1	\$1,650	\$153		\$2.05		\$220	\$12	\$3.10	
CHISEL 9 FT	75	1	\$3,000	\$62		\$3.72		\$400	\$23	\$19.12	
CULTIVATOR 6 ROW	22	1	\$4,250	\$59		\$2.04		\$550	\$32	\$30.52	
PLANTER 6 ROW	29	1	\$625	\$11		\$0.78		\$83	\$5	\$6.47	
ROD WEEVER 23 FT	4,954	1	\$600	\$60		\$1.00		\$100	\$2	\$0.02	
INJECTOR PUMP	4,954	1	\$15,000	\$24,355		\$4.92		\$2,000	\$113	\$0.43	
SPRINKLER	4,954	1	\$33,000					\$1,040	\$98	\$0.23	
ELECTRIC WELL	4,954	1	\$15,000								
<b>TOTAL</b>			<b>\$130,266</b>	<b>\$31,823</b>	<b>\$3,998</b>				<b>\$17,696</b>	<b>\$1,004</b>	

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL L/UNITHR	LUBE COEFF	ACCUM HOURS	INTEREST AGE
TRACTOR 140 HP	72,510	26,605	15	1	800	7.10	0.10	1884.60	14
TRACTOR 185 HP	66,420	42,416	15	1	800	9.42	0.10	2789.60	11
DISC 18 FT OFFSE	15,000	7,200	15	3	300			2640.00	16
DRILL 20 FT	7,200	3,600	10	8	100			557.70	13
FERT SPREADER DEALER FURNISHED	3,300	1,650	15	3	300			1125.00	15
CHISEL 9 FT	6,000	3,000	15	3	300			353.80	16
CULTIVATOR 6 ROW	8,500	4,250	10	8	100			375.70	13
PLANTER 6 ROW	1,250	625	15	3	300			204.00	15
ROD WEEVER 23 FT	600	600	5	0	8742			4956.48	10
INJECTOR PUMP	30,000	15,000	15	0	8742			7403.22	15
SPRINKLER Center Pivot	30,000	15,000	25	0	8742			7403.22	15
ELECTRIC WELL	30,000	15,000	25	0	8742			7403.22	15

USAGE LIST

WHEAT	PER ACRE TOTALS	
	MILD	TOTALS
---hours per acre---		
TRACTOR 140 HP	0.18	0.35
TRACTOR 185 HP	0.48	0.56
DISC 18 FT OFFSE	0.52	0.53
DRILL 20 FT	0.13	0.00
FERT SPREADER DEALER FURNISHED	0.02	0.05
CHISEL 9 FT	0.10	0.10
CULTIVATOR 6 ROW	0.00	0.13
PLANTER 6 ROW	0.00	0.17
ROD WEEVER 23 FT	0.00	0.08
INJECTOR PUMP	8.23	13.17
SPRINKLER	8.23	13.17
ELECTRIC WELL	8.23	13.17

INTEREST PROPORTION

WHEAT	MILD
---dollars/acre---	
4.39	8.54
7.39	8.52
1.20	1.20
0.87	0.00
0.00	0.00
0.00	0.26
0.00	1.41
0.00	2.00
0.00	0.29
0.04	0.06
1.59	3.19
1.73	2.76

ACRES:		330		PUMP WATER:		10.00	
MACHINE		POWER UNIT	TIMES OVER	RATE	TOTAL	CUSTOM	ACCOMPLISHMENT
CHISEL	185 HP	1.00	0.15	0.15	0.15	0.15	
DISC (3X)	185 HP	3.00	0.11	0.33	0.33	0.33	
FERT SPREADER	140 HP	1.00	0.05	0.05	0.05	0.05	
DRILL	140 HP	1.00	0.13	0.13	0.13	0.13	
IRRIGATE (7X)		7.00	0.82	8.23	8.23	8.23	
COMBINE (CUSTOM) BASE RATE					16.00		
EXTRA CHARGE PER BUSHEL OVER				30.00		0.19	
HAUL (CUSTOM) PER BUSHEL						0.16	

ACRES:		170		PUMP WATER:		16.00	
MACHINE		POWER UNIT	TIMES OVER	RATE	TOTAL	CUSTOM	ACCOMPLISHMENT
DISC	185 HP	1.00	0.11	0.11	0.11	0.11	
CHISEL	185 HP	1.00	0.15	0.15	0.15	0.15	
DISC (2X)	185 HP	2.00	0.11	0.22	0.22	0.22	
FERT SPREADER	140 HP	1.00	0.05	0.05	0.05	0.05	
ROD WEEVER	185 HP	1.00	0.08	0.08	0.08	0.08	
PLANTER	140 HP	1.00	0.17	0.17	0.17	0.17	
CULTIVATOR	140 HP	1.00	0.13	0.13	0.13	0.13	
IRRIGATE (15X)		10.00	0.82	13.17	13.17	13.17	
COMBINE (CUSTOM) PER ACRE					20.50		
EXTRA CHARGE PER CWT OVER				36.67		0.28	
HAUL (CUSTOM) PER CWT						0.19	

ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE

Hours of Use	1	2	3	4	5	6	7	8	9
0	0.000660	0.000320	0.000200	0.000200	0.000280	0.001140	0.000940	0.002240	0.000200
50	0.000660	0.000320	0.000200	0.000200	0.000280	0.001140	0.000940	0.002240	0.000200
100	0.000660	0.000320	0.000200	0.000200	0.000280	0.001140	0.000940	0.002240	0.000200
200	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
300	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
400	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
500	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
600	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
700	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
800	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
900	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
1000	0.000330	0.000160	0.000100	0.000100	0.000140	0.000570	0.000470	0.001120	0.000100
1200	0.000445	0.000145	0.000090	0.000090	0.000125	0.000485	0.000385	0.000915	0.000075
1400	0.000445	0.000145	0.000090	0.000090	0.000125	0.000485	0.000385	0.000915	0.000075
1600	0.000445	0.000145	0.000090	0.000090	0.000125	0.000485	0.000385	0.000915	0.000075
1800	0.000445	0.000145	0.000090	0.000090	0.000125	0.000485	0.000385	0.000915	0.000075
2000	0.000445	0.000145	0.000090	0.000090	0.000125	0.000485	0.000385	0.000915	0.000075
2500	0.000560	0.000180	0.000110	0.000110	0.000150	0.000600	0.000500	0.001200	0.000130
3000	0.000560	0.000180	0.000110	0.000110	0.000150	0.000600	0.000500	0.001200	0.000130
4000	0.000680	0.000220	0.000140	0.000140	0.000190	0.000720	0.000600	0.001440	0.000160
5000	0.000680	0.000220	0.000140	0.000140	0.000190	0.000720	0.000600	0.001440	0.000160
6000	0.000800	0.000260	0.000170	0.000170	0.000230	0.000840	0.000700	0.001680	0.000190
7000	0.000800	0.000260	0.000170	0.000170	0.000230	0.000840	0.000700	0.001680	0.000190
8000	0.000800	0.000260	0.000170	0.000170	0.000230	0.000840	0.000700	0.001680	0.000190

\* Based on unpublished data of D. R. Hunt, Department of Agricultural Engineering, University of Illinois.

\*\* Based on "Agricultural Machinery Data" in Agricultural Engineers Yearbook, 1981.

Codes

- 1 tractor
- 2 baler, combine, forage harvester, windrower, picker
- 3 rotary hoe, disk, moldboard plow, chisel, field cultivator
- 4 harrow, wagon, roller, row buck, drag, roller, water furrow, feed chaser
- 5 baler/wagon, cotton picker, cotton stripper, corn picker
- 6 planter, disk, seeding equipment, rotary mower, stalk chopper, feed wagon, farm truck
- 7 baler w/ engine, manure spreader
- 8 planter, disk, seeding equipment, mounted sprayer
- 9 fertilizer distributing equipment

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Curry County, Projected 2006.  
Planting Dates: August 15 - September 15  
Harvesting Dates: June 15 - July 15

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

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.28	80 LBS	\$22.40		\$22.40
LIQUID FERT (28-0-0)	\$0.09	460 LBS	\$41.40		\$41.40
NITROGEN (N)	\$0.52	18 LBS	\$9.36		\$9.36
PHOSPHATE (P205)	\$0.40	46 LBS	\$18.40		\$18.40
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
<b>SUBTOTAL</b>			<b>\$112.88</b>		<b>\$112.88</b>

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	\$4.48	\$10.04
DISC (3X)	185 HP	0.33 HR		\$2.46	\$7.18	\$4.98	\$10.95	\$25.56
FERT SISPREADER	140 HP	0.05 HR		\$0.37	\$0.82	\$0.22	\$2.15	\$3.56
DRILL	140 HP	0.13 HR		\$0.97	\$2.13	\$0.79	\$7.85	\$11.74
IRRIGATE (7X)		0.70 HR		\$4.66	\$40.46	\$0.00	\$5.60	\$50.71
<b>SUBTOTAL</b>		<b>1.36 HR</b>		<b>\$9.57</b>	<b>\$53.85</b>	<b>\$7.16</b>	<b>\$31.03</b>	<b>\$101.61</b>

**HARVEST OPERATIONS**

COMBINE (CUSTOM)			\$24.55					\$24.55
HAUL (C (CUSTOM)			\$12.00					\$12.00
<b>SUBTOTAL</b>			<b>\$36.55</b>					<b>\$36.55</b>

**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		\$109.00
SUPERVISION AND MANAGEMENT				\$23.44				\$23.44
OTHER EXPENSES			\$44.34					\$44.34
<b>SUBTOTAL</b>		<b>0.17 HR</b>	<b>\$44.53</b>	<b>\$26.39</b>		<b>\$109.00</b>		<b>\$179.93</b>

<b>TOTAL OPERATING EXPENSES</b>		<b>1.53 HR</b>	<b>\$193.96</b>	<b>\$35.97</b>	<b>\$53.85</b>	<b>\$7.16</b>	<b>\$140.03</b>	<b>\$430.97</b>
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<b>NET OPERATING PROFIT</b>								<b>(\$109.72)</b>
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INTEREST ON OPERATING CAPITAL	(	\$74.74	@	8.00%	)			\$5.98
INTEREST ON EQUIPMENT INVESTMENT								\$17.79

<b>RETURN TO LAND AND RISK</b>								<b>(\$133.49)</b>
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\* Pump water costs are shown under irrigation in the preharvest operations section.

**BUDGET SUMMARY**

GROSS RETURN		\$321.25		
VARIABLE OPERATING EXPENSES	\$254.98			
RETURN OVER VARIABLE EXPENSES		\$66.27	(GROSS MARGIN)	
FIXED EXPENSES	\$140.03			
NET FARM INCOME		(\$73.76)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$35.97			
NET OPERATING PROFIT		(\$109.72)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$23.77			
<b>RETURN TO LAND AND RISK</b>		<b>(\$133.49)</b>		

TABLE 7. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Curry County, Projected 2006.  
 Planting Dates: May 15 - June 15  
 Harvesting Dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE	TOTAL
<b>GROSS RETURNS</b>				
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
<b>TOTAL</b>				<b>\$249.27</b>

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$1.22	5 LBS	\$6.10		\$6.10
LIQUID FERT (28-0-0)	\$0.09	500 LBS	\$45.00		\$45.00
NITROGEN (N)	\$0.52	25 LBS	\$13.00		\$13.00
PHOSPHATE (P205)	\$0.40	50 LBS	\$20.00		\$20.00
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
<b>SUBTOTAL</b>			<b>\$117.65</b>		<b>\$117.65</b>

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	\$3.65	\$8.52
CHISEL	185 HP	0.15 HR		\$1.12	\$3.26	\$1.17	\$4.48	\$10.04
DISC (2X)	185 HP	0.22 HR		\$1.64	\$4.79	\$3.32	\$7.30	\$17.04
FERT SPREADER	140 HP	0.05 HR		\$0.37	\$0.82	\$0.22	\$2.15	\$3.56
ROD WEEDER	185 HP	0.08 HR		\$0.60	\$1.74	\$0.52	\$2.66	\$5.52
PLANT ER	140 HP	0.17 HR		\$1.27	\$2.79	\$1.09	\$12.49	\$17.63
CULTIVATOR	140 HP	0.13 HR		\$0.97	\$2.13	\$1.05	\$8.07	\$12.22
IRRIGATE (10X)		1.00 HR		\$6.65	\$64.73	\$0.00	\$8.96	\$80.35
<b>SUBTOTAL</b>		<b>1.91 HR</b>		<b>\$13.43</b>	<b>\$82.66</b>	<b>\$9.03</b>	<b>\$49.76</b>	<b>\$154.88</b>

HARVEST OPERATIONS				
COMBINE (CUSTOM)			\$28.43	\$28.43
HAUL (CUSTOM)			\$12.35	\$12.35
<b>SUBTOTAL</b>			<b>\$40.78</b>	<b>\$40.78</b>

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
SUPERVISION AND MANAGEMENT			\$18.90	\$18.90
OTHER EXPENSES			\$44.34	\$44.34
<b>SUBTOTAL</b>		<b>0.22 HR</b>	<b>\$44.61</b>	<b>\$176.53</b>

<b>TOTAL OPERATING EXPENSES</b>		<b>2.13 HR</b>	<b>\$203.04</b>	<b>\$36.35</b>	<b>\$82.66</b>	<b>\$9.03</b>	<b>\$158.76</b>	<b>\$489.84</b>
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<b>NET OPERATING PROFIT</b>								<b>(\$240.57)</b>
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INTEREST ON OPERATING CAPITAL	(	\$85.14	@	8.00%	)			\$6.81
INTEREST ON EQUIPMENT INVESTMENT								\$28.24

<b>RETURN TO LAND AND RISK</b>								<b>(\$275.63)</b>
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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	\$294.73		
RETURN OVER VARIABLE EXPENSES		(\$45.46)	(GROSS MARGIN)
FIXED EXPENSES	\$158.76		
NET FARM INCOME		(\$204.22)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$36.35		
NET OPERATING PROFIT		(\$240.57)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$35.05		
RETURN TO LAND AND RISK		(\$275.63)	

TABLE 8. Summary of per acre costs and returns for a 640 acre farm with above average management, Curry County Projected 2006.

	WHEAT	GRAIN SORGHUM
	BUSHEL	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	\$22.40	\$6.10
FERTILIZER	\$69.16	\$94.00
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	\$40.46	\$64.73
REPAIRS	\$7.16	\$9.03
CUSTOM CHARGES	\$36.55	\$40.78
LAND TAXES	\$109.00	\$109.00
OTHER EXPENSES	\$44.53	\$44.61
TOTAL CASH EXPENSES	\$363.98	\$403.73
RETURN OVER CASH EXPENSES	(\$42.73)	(\$154.46)
FIXED EXPENSES	\$31.03	\$49.76
TOTAL EXPENSES	\$395.01	\$453.49
NET FARM INCOME	(\$73.76)	(\$204.22)
LABOR AND MANAGEMENT COSTS	\$35.97	\$36.35
NET OPERATING PROFIT	(\$109.72)	(\$240.57)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$5.98	\$6.81
INTEREST ON EQUIPMENT INVESTMENT	\$17.79	\$28.24
TOTAL CAPITAL COSTS	\$23.77	\$35.05
RETURN TO LAND AND RISK	(\$133.49)	(\$275.63)
Flex Computation	-84.67	-197.62



TABLE 9. Whole farm summary, Curry County,  
Projected 2006.

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		\$8,429
FERTILIZER		\$38,803
CHEMICALS		\$9,920
CROP INSURANCE		\$100
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$7,468
FUEL-IRRIGATION		\$24,355
REPAIRS		\$3,898
CUSTOM CHARGES		\$18,995
LAND TAXES		\$54,500
OTHER EXPENSES		\$22,279
TOTAL CASH EXPENSES		<u>\$188,746</u>
RETURN OVER CASH EXPENSES		(\$64,452)
FIXED EXPENSES		\$18,699
TOTAL EXPENSES		\$207,445
NET FARM INCOME		(\$83,151)
LABOR AND MANAGEMENT COSTS		\$18,049
NET OPERATING PROFIT		(\$101,200)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$3,131
INTEREST ON EQUIPMENT INVESTMENT		\$10,671
TOTAL CAPITAL COSTS		<u>\$13,803</u>
RETURN TO LAND AND RISK		<u>(\$115,003)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$124,603)	-22.99%
\$1,000 /ACRE	(\$134,203)	-13.31%
\$1,500 /ACRE	(\$143,803)	-9.37%
\$2,000 /ACRE	(\$153,403)	-7.23%
\$2,500 /ACRE	(\$163,003)	-5.88%

\* 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)