TABLE 1. Acreage Summary, Curry County, Projected 2018

BUDGET AREA...... CURRY COUNTY

NUMBER OF CROPS... 2

		WATER	USE
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
WHEAT ARP	255 0	15	3,825
FLEX IN WHEAT	45	15	675
GRAIN SORGHUM ARP	170 0	20	3,400
FLEX IN WHEAT ROADS, DITCHES	30	15	450
HOMESTEAD	20	_	
TOTAL	520		8,350
ACRE FEET PER ACRE	E OF WATER RIGHTS		1.34

TABLE 2. Basic cost information for Curry County, Projected 2018

ı	tem				
Labor Wa	ge Rate:				
	ent operators & Irrigators		\$/hour \$/hour		\$7.75 \$7.50
Purchased Fertilize					
	Nitrogen (N) Phosphate (P205)		\$/pound \$/pound		\$0.31 \$0.24
	Anhydrous (NH3)		\$/ton		\$420.00
Seed:	Grain Sorghum		\$/pound		\$1.32
	Wheat		\$/pound		\$0.44
Diesel f			\$/gallon		\$2.70
Gasolin	e ty (SWPS)		\$/gallon cents/KwHr		\$2.40 7.74
LP gas	ty (OTTI O)		\$/gallon		\$2.90
	Gas (Gas NM)		\$/MCF		\$4.00
Employee	Liability Insurance		\$/\$1,000 wa	ges	\$20.00
Employee	Benefits		percent/wag	es	18.00%
Labor Dov	vntime		percent		25.00%
Financial F	Rates: g Capital Interest Rate		percent		5.50%
Land Inte	erest Rate		percent		5.00%
	nt Interest Rate		percent		5.50%
Real Inte	rest Rate		percent		3.00%
Land Taxe	es	\$109.00	/acre (full va	lue)	\$0.78
Personal F	Propety Tax Rate	- NR - R	\$/\$1,000	(Assessed Value)	\$21.60 \$20.65
	n Factors op-Irrigation op-Equipment & General		\$/labor hour \$/labor hour		\$1.00 \$0.50
Managem	ent Rate		percent		7.00%

TABLE 3. Overhead cost information for Curry County, Projected 2018

Item

Electricity (Domestic & Telephone Accounting & Legal Misc. Supplies & Hand	.,		\$254.00 per month \$127.00 per month	\$3,048 \$1,524 \$1,873 \$2,800
Pickup and Auto miles	25,400	@	\$0.500 per mile	\$12,700
Insurance - general liability (nor - fire/theft	n-employee)			\$2,502 \$2,007
Property Taxes - non-planted land - other than land & m	nachinery			\$0 \$0
Building repairs and m				\$1,657 \$457
Dues, fees, publication Farmstead Equipment				\$457 \$191
			Total	\$28,759
			Total Per Planted Acre	\$67.67

```
TABLE 4. Pumping costs and data for Curry County,
Projected 2018
```

0.592 0.156 0.156 0.160 7.74 CENTS/KWHI \$4.00 S/MCF \$2.90 S/GAL \$2.70 S/GAL \$4.57 \$3.76 \$3.36 \$2.76

EQUIPMEN	т						VARIAB	LE COSTS		FIX	ED COSTS	
ITEM & SIZ	E		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		146	1	\$38,357	\$3,083	\$838	\$21.10	\$4.35	\$4,834	\$2,349	\$49.17
TRACTOR	185		338	1	\$43,057	\$9,383	\$1,898	\$27.97	\$5.66	\$6,284	\$3,054	\$27.83
DISC	20	FT OFFSET		1	\$9,000		\$1,841		\$11.16	\$1,200	\$583	\$10.8
DRILL	20	FT	43	1	\$3,600		\$74		\$1.73	\$720	\$233	\$22.22
FERT SPREADERD	DEALER	FURNISHED	17									
CHISEL	9	PT	26	1	\$1,650		\$52		\$2.05	\$220	\$107	\$12.80
CULTIVATOR	6	ROW	44	1	\$5,000		\$274		\$6.20	\$867	\$324	\$22.41
LISTER	6	ROW	60	1	\$2,150		\$160		\$2.67	\$287	\$139	\$7.10
PLANTER	6	ROW	29	1	\$4,250		\$59		\$2.04	\$850	\$275	\$38.94
ROD WEEDER	23	FT	14	1	\$625		S11		\$0.78	\$83	\$41	\$9.11
ELECTRIC WELL			6,871	1	\$14,000	\$31,400	\$0	\$4.57	\$0.00	\$1,120	\$907	\$0.30

\$121,688
EQUIPMENT LIST USAGE LIST

MILO PER ACRE
MILO TOTALS

F acre0.51 0.69
0.77 1.39
0.33 0.66
0.00 0.13
0.00 0.05
0.15 0.15
0.26 0.26
0.17 0.17
0.08 0.08
18.46 23.80 FLEL LIBE ACCUM UNTYPR COEF HOURS 7:00 0.10 1990.30 9.42 0.10 3900.50 557.70 707.20 960.00 707.20 960.00 100061.77 YEARS EQUIP MAX LIFE CODE HOURS 15 1 800 15 3 800 10 8 900 10 8 900 15 3 300 15 3 300 15 3 300 15 3 300 15 3 300 15 3 300 15 3 300 15 3 3 300 15 3 3 300 25 0 8,742 INTEREST AGE EXPENSE

13 1,994.16
11 2,592.29
16 495.00
13 198.00
15 90.75
16 275.00
16 118.25
13 233.75
15 34.38
15 770.00 -hours per 0.18 0.62 0.33 0.13 0.05 0.00 0.00 0.12 0.00 0.00 12.34

WHEAT MILO
--dollars per acre2.46 6.96
4.79 5.95
0.99 0.99
0.60 0.00 0.00 0.53 0.00 1.62 0.00 1.38 0.00 0.20 1.38 1.84

| POWER THE | 15.00 | POWE

COMBINE (CUSTOM) BASE RATE EXTRA CHARGE PER BUSHEL OVER HAUL (CUSTOM) PER BUSHEL 16.00 0.19 0.16

DISC
CHISEL
DISC (2X)
ANHYDROUS APPL
LISTER
PRE-IRRIGATE
ROD WEEDER
PLANT ER
CULTIVATOR (2X)
IRRIGATE (4X)

36.87 20.50 36.87 0.28 0.19 COMBINE (CUSTOM) PER ACRE EXTRA CHARGE PER CWT. OVER HAUL (CUSTOM) PER CWT

Hours of Use 0.000080 0.000140 0.000044 0.000080 0.000140 0.000044 0.000080 0.000140 0.000040 0.000140 0.000090 0.000110 0.000140 0.000090 0.000110 0.000140 0.000090 0.000110 0.000080 0.000090 0.000110 0.000080 0.000090 0.000110 0.000080 0.000090 0.000110 0.000080 0.000090 0.000110 0.000080 0.000190 0.000110 0.000080 0.000190 0.000110 0.000080 0.000140 0.000240 0.000240 0.000380 0.000510 0.000671 0.000800 0.000910 0.000980 0.001020 0.001020 0.001280 0.001280 0.001280 0.001280 0.000200 0.000200 0.000300 0.000400 0.000450 0.000630 0.000590 0.000590 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630 0.000630

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

unimous or improvement with or 1.4. Yes Dispersions of Agricultural Sections of Agricultural Sections of Control Section of Sections 2 before control Section of Sections 2 before control Section of Sections 2 before control Section of Control Section Sectio

TABLE 6. Wheat, flood-irrigated, budgeted per acre costs and returns for a 520 acre farm with above average management, Curry County, Projected 2018
Planting Dates: August 15 - September 15
Harvesting Dates: June 15 - July 15

ITEM	PRICE		YIEL	.D	BASE					TOTA
GROSS RETURNS WHEAT DIRECT PAYMENT COUNTER CYCLICAL PAYMENT GRAZING	\$4.40 \$0.00 \$0.00 \$40.00		65.00	BUSHELS BUSHEL						\$286.00 \$0.00 \$0.00 \$40.00
	\$40.00		1.00	AONL					-	·
TOTAL										\$326.00
PURCHASED INPUTS	PRICE		QUAN	TITY	PURCHASED INPUTS				FIXED COST	TOTA
SEED ANHYDROUS AMMONIA (NH3) NITROGEN (N) PHOSPHORUS (P205) INSECTICIDE (CUSTOM) HERBICIDE (CUSTOM) PUMP WATER* CROP INSURANCE SUBTOTAL	\$0.44 \$0.21 \$0.31 \$0.24 \$9.59 \$10.69		100 18 46 1 1	LBS LBS LBS ACRE ACRE AC. IN.	\$26.40 \$21.00 \$5.58 \$11.04 \$9.59 \$10.69 \$0.15				-	\$26.40 \$21.00 \$5.58 \$11.04 \$9.50 \$10.60 \$0.15
PREHARVEST OPERATIONS	POWER UNIT	,	ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
DISC (3X) ANHYDROUS APPL LISTER FERT SPREADER DRILL IRRIGATE (3X)	185 HP 185 HP 185 HP 145 HP 145 HP		0.33 0.17 0.12 0.05 0.13 1.50	HR HR HR HR		\$2.56 \$1.32 \$0.93 \$0.39 \$1.01 \$11.25	\$9.23 \$4.75 \$3.36 \$1.05 \$2.74 \$56.41	\$5.55 \$0.96 \$1.00 \$0.22 \$0.79 \$0.00	\$12.75 \$4.73 \$4.19 \$2.46 \$9.28 \$3.64	\$30.09 \$11.77 \$9.48 \$4.12 \$13.82 \$71.30
SUBTOTAL		_	2.30	HR	. <u>-</u>	\$17.45	\$77.55	\$8.52	\$37.06	\$140.57
HARVEST OPERATIONS										
COMBINE (CUSTOM) HAUL (CUSTOM)					\$24.74 \$10.40					\$24.74 \$10.40
SUBTOTAL				-	\$35.14				=	\$35.14
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			0.20	HR	\$0.35 \$67.67	\$1.55 \$3.14 \$24.72			\$0.78	\$1.55 \$3.14 \$0.35 \$0.78 \$24.72 \$67.67
SUBTOTAL		_	0.20	HR	\$68.02	\$29.41		•	\$0.78	\$98.21
TOTAL OPERATING EXPENSES			2.50	HR	\$187.60	\$46.86	\$77.55	\$8.52	\$37.84	\$358.37
NET OPERATING PROFIT										(\$32.37
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMEN	Т	(\$66.67	@	5.50%)				\$3.67 \$10.22

	BUDGET SUM	MMARY		
GROSS RETURN	:	\$326.00		
VARIABLE OPERATING EXPENSES	\$273.67			
RETURN OVER VARIABLE EXPENSES		\$52.33	(GROSS MARGIN)	
FIXED EXPENSES	\$37.84			
NET FARM INCOME		\$14.49	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$46.86			
NET OPERATING PROFIT		(\$32.37)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$13.89	. ,		
DETLIEN TO LAND AND DISK		(\$46.26)		

TABLE 7. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 520 acre farm with above average management, Curry County, Projected 2018

ITEM	PRICE		YIEL	D	BASE					TOTA
11 2 101	TRIOL		1122		BAGE					1017
GROSS RETURNS										
GRAIN SORGHUM	\$6.08		65.00	CWT						\$395.11
DIRECT PAYMENT	\$0.00			CWT	0.85					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			CWT						\$0.00
GRAZING	\$9.00		1.00	ACRE						\$9.00
TOTAL									-	\$404.11
PURCHASED INPUTS	PRICE		QUAN ⁻	TITV	PURCHASED INPUTS				FIXED COST	TOTA
TOKOTAGED IN 010	TRIOL				1111 010				0001	10171
SEED	\$1.32			LBS	\$6.60					\$6.60
ANHYDROUS (NH3)	\$0.21			LBS	\$31.50					\$31.50
NITROGEN (N)	\$0.31			LBS	\$7.75					\$7.75
PHOSPHORUS (P205)	\$0.24			LBS	\$12.00					\$12.00
HERBICIDE (CUSTOM)	\$14.11			X/ACRE	\$14.11					\$14.11
INSECTICIDE (CUSTOM)	\$13.49			X/ACRE	\$13.49					\$13.49
TRACE ELEMENTS	\$13.89			ACRE	\$13.89					\$13.89
PUMP WATER* CROP INSURANCE	\$0.29		20	AC. IN.	\$0.29					\$0.29
SUBTOTAL	φ0.29				\$99.63				-	\$99.63
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTA
	ONT				1141 010	LABOR	LODE	KEI AIKO	0001	10171
DISC	185 HP		0.11			\$0.85	\$3.08	\$1.85	\$4.25	\$10.03
CHISEL	185 HP		0.15			\$1.16	\$4.20	\$1.16	\$6.10	\$12.6
DISC (2X)	185 HP		0.22			\$1.71	\$6.15	\$3.70	\$8.50	\$20.0
ANHYDROUS APPL	185 HP		0.17			\$1.32	\$4.75	\$0.96	\$4.73	\$11.7
LISTER	185 HP		0.12			\$0.93	\$3.36	\$1.00	\$4.19	\$9.48
PRE-IRRIGATE			0.50			\$3.88	\$15.04	\$0.00	\$0.97	\$19.89
ROD WEEDER	140 HP		0.08			\$0.62	\$1.69	\$0.41	\$4.66	\$7.38
PLANTER	140 HP		0.17			\$1.32	\$3.59	\$1.09	\$14.98	\$20.97
CULTIVATOR (2X)	140 HP		0.26			\$2.02	\$5.49	\$2.74	\$18.61	\$28.86
IRRIGATE (4X)		_	2.00			\$15.00	\$60.17	\$0.00	\$3.88	\$79.05
SUBTOTAL			3.78	HR		\$28.80	\$107.51	\$12.90	\$70.88	\$220.09
HARVEST OPERATIONS										
COMBINE (CUSTOM)					\$28.43					\$28.43
HAUL (CUSTOM)					\$12.35					\$12.35
SUBTOTAL					\$40.78				-	\$40.78
OVERHEAD EXPENSES										
DOWNTIME			0.32	ШΒ		\$2.48				\$2.48
EMPLOYEE BENEFITS			0.32	ПК		\$5.18				\$5.18
INSURANCE					\$0.58	ψ0.10				\$0.58
LAND TAXES					ψ0.00				\$0.78	\$0.78
SUPERVISION AND MANAGEMENT						\$31.18			ψ0.70	\$31.18
OTHER EXPENSES					\$67.67	φοιιτο				\$67.67
SUBTOTAL		-	0.32	HR	\$68.24	\$38.84			\$0.78	\$107.87
TOTAL OPERATING EXPENSES		_	4.10	HR	\$208.66	\$67.64	\$107.51	\$12.90	\$71.67	\$468.37
NET OPERATING PROFIT										(\$64.26
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMEN	т	(\$83.32	@	5.50%)				\$4.58 \$19.47
RETURN TO LAND AND RISK										(\$88.32
* Pump water costs are shown under irriga	tion in the preha									
		BUDGET	SUMMARY							
GROSS RETURN		0000 0=	\$404.11							
VARIABLE OPERATING EXPENSES		\$329.07	675.01	(0000	C MADOIN					
RETURN OVER VARIABLE EXPENSES		¢74.67	\$75.04	(GROS	SS MARGIN)					
FIXED EXPENSES NET FARM INCOME		\$71.67	\$3.37	(PETI	RN TO CAPITAL	LAROD LA	ID & DICK			
			აა.ა/	(K⊑IU	KN TO CAPITAL	, LADOK, LAI	AD & KIOV)			

	BUDGET 3	UIVIIVIART	
GROSS RETURN		\$404.11	
VARIABLE OPERATING EXPENSES	\$329.07		
RETURN OVER VARIABLE EXPENSES		\$75.04	(GROSS MARGIN)
FIXED EXPENSES	\$71.67		
NET FARM INCOME		\$3.37	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$67.64		
NET OPERATING PROFIT		(\$64.26)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$24.06		
RETURN TO LAND AND RISK		(\$88.32)	

TABLE 8. Summary of per acre costs and returns for a 520 acre farm with above average management, Curry County, Projected 2018

Projected 2016	WHEAT	GRAIN SORGHUM
	BUSHELS	CWT
PRIMARY YIELD	65.00	65.00
PRIMARY PRICE	\$4.40	\$6.08
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$40.00 ACRE	\$9.00 ACRE
GROSS RETURN	\$326.00	\$404.11
CASH OPERATING EXPENSES		
SEED	\$26.40	\$6.60
FERTILIZER	\$37.62	\$65.14
CHEMICALS	\$20.28	\$27.60
CROP INSURANCE	\$0.15	\$0.29
OTHER PURCHASED INPUTS		
CANAL WATER FUEL, OIL & LUBRICANTS-EQUIPMENT	\$21.14	\$32.30
FUEL-IRRIGATION	\$56.41	\$52.30 \$75.21
REPAIRS	\$8.52	\$12.90
CUSTOM CHARGES	\$35.14	\$40.78
LAND TAXES	\$0.78	\$0.78
OTHER EXPENSES	\$68.02	\$68.24
TOTAL CASH EXPENSES	\$274.45	\$329.85
RETURN OVER CASH EXPENSES	\$51.55	\$74.26
FIXED EXPENSES	\$37.06	\$70.88
TOTAL EXPENSES	\$311.51	\$400.73
NET FARM INCOME	\$14.49	\$3.37
LABOR AND MANAGEMENT COSTS	\$46.86	\$67.64
NET OPERATING PROFIT	(\$32.37)	(\$64.26)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$3.67	\$4.58
INTEREST ON EQUIPMENT INVESTMENT	\$10.22	\$19.47
TOTAL CAPITAL COSTS	\$13.89	\$24.06
RETURN TO LAND AND RISK	(\$46.26)	(\$88.32)

TABLE 9. Whole farm summary, Curry County, Projected 2018

Projected 201	8			
GROSS RETURNS				
WHEAT	330 ACRES			
CROP	ood Money	\$94,380		
GRAZING		\$13,200		
DIRECT PAYMENT		\$0		
COUNTER CYCLICAL	PAYMENT	\$0		
GRAIN SORGHUM	170 ACRES			
CROP		\$67,168		
GRAZING		\$1,530		
DIRECT PAYMENT COUNTER CYCLICAL	DAVMENT	\$0 \$0		
COUNTER CTCLICAL	PATIVIENT	ΦΟ		
GROSS RETURN			-	\$176,278
CASH OPERATING EXP	ENSES			
SEED		\$9,834		
FERTILIZER		\$23,488		
CHEMICALS		\$11,382		
CROP INSURANCE OTHER PURCHASED	AINDLITE	\$100 \$0		
CANAL WATER	INPUIS	\$0 \$0		
FUEL, OIL & LUBRICA	ANTS-FQUIPMENT	\$12,466		
FUEL-IRRIGATION	WITO EQUIT METER	\$31,400		
REPAIRS		\$5,004		
CUSTOM CHARGES		\$18,529		
LAND TAXES		\$392		
OTHER EXPENSES		\$34,047		
TOTAL CASH	EXPENSES	-	\$146,644	
RETURN OVER CASH E	XPENSES			\$29,634
FIVER EVERYORS		A 04.070		
FIXED EXPENSES		\$24,279		
TOTAL EXPE	NSES		\$170,923	
NET FARM INCOME				\$5,356
LABOR AND MANAGEM	ENT COSTS	\$26,962		
NET OPERATING PROF	ІТ			(\$21,607)
CAPITAL COSTS				
INTEREST ON OPER	ATING CAPITAL	\$1,989		
INTEREST ON EQUIP		\$6,683		
		-	00.000	
TOTAL CAPIT	IAL COSTS		\$8,672	
RETURN TO LAND AND	RISK		=	(\$30,279)

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$500 /ACRE	(\$38,079)	-5.66%
\$1,000 /ACRE	(\$45,879)	-3.37%
\$1,500 /ACRE	(\$53,679)	-2.40%
\$2,000 /ACRE	(\$61,479)	-1.86%
\$2,500 /ACRE	(\$69,279)	-1.52%

^{*} 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)