		_	WATER	USE
ACREAGE SUMMARY:	LAND USE (ACRES)		AC.IN. PER AC.	TOTAL AC.IN.
WHEAT ARP	446.25 0.00		11	4,909
FLEX IN WHEAT	78.75		11	866
CORN	178.50		34	6,069
ARP	0.00			
FLEX IN WHEAT	31.50		11	347
GRAIN SORGHUM	267.75		12	3,213
ARP	0.00			
FLEX IN WHEAT	47.25		11	520
HAYGRAZER	190.00			
ROADS, HOMESTEAD	40.00			
TOTAL	1,280.00			15,923
ACRE FEET P	ER ACRE OF	WATER RIGH	rs	1.04

TABLE 2. Basic cost information for Union County, Projected 2007.

	\$/hour		\$7.45
	\$/hour		\$6.60
	\$/pound		\$0.52
	\$/pound		\$0.40
	\$/pound		\$0.22
	\$/bag		\$85.00
	\$/pound		\$0.60
	\$/pound		\$0.26
	\$/MCF		\$3.25
	•		\$10.00
			\$2.70
			\$2.45
			6.78
	\$/gallon		\$1.90
	\$/roll		\$0.26
	\$/\$1,000 wa	ages	\$20.00
	percent/wag	18.00%	
	percent		25.00%
	percent		8.00%
	percent		8.00%
	percent		8.00%
	percent		3.00%
\$27.00	/acre		\$0.24
- NR	\$/\$1,000	(Assessed	\$26.53
- R		Value)	\$23.93
			\$1.00
	\$/labor hour	•	\$0.50
	percent		7.00%
	- NR	\$/hour \$/pound \$/pound \$/pound \$/bag \$/pound \$/pound \$/pound \$/pound \$/more \$/month \$/gailon \$/gailon \$/gailon \$/foil \$/\$1,000 wa percent/wag percent percent percent percent percent \$27.00 /acre - NR \$/\$1,000 - R	\$/hour \$/pound \$/pound \$/pound \$/pound \$/pound \$/pound \$/pound \$/pound \$/pound \$/pound \$/morth \$/gallon \$/gallon \$/gallon \$/gallon \$/roll \$/\$1,000 wages percent/wages percent percent percent percent percent \$27.00 /acre - NR \$/\$1,000 (Assessed Value) \$/labor hour

TABLE 3. Overhead cost information for Union County, Projected 2007.

Item					
Electricity (Domestic &	Shop)		\$436.00	per month	\$5,23
Telephone			\$212.5	per month	\$2,55
Accounting & Legal					\$3,22
Misc. Supplies & Hand	Tools				\$3,90
Pickup and Auto					
miles	33,790	@	\$0.415 per mile		\$14,02
Insurance - general liability (non- fire/theft Property Taxes - non-planted land - other than land & ma Building repairs and ma Dues, fees, publication	achinery aintenance				\$4,017 \$2,038 \$6,010 \$1,700 \$39
Farmstead Equipment	5				\$25i
				Total	\$43,34
			Total per planted acre		\$33.9
			Total per dryland acre		\$6.7

TABLE 4. Pumping costs and data for in Projected 2007.	gation wells, Union Co	unity,	
MOUT DATA			
INPUT DATA			
DELIVERY PSI:		DEPTH CHARACTERISTICS:	
SPRINKLER	30	STATIC	190
		DRAW DOWN	50
		TOTAL HEAD	220
GALLONG PER MINUTE (GPM)	700.0		
WORK HORSEPOWER	52.9		
EFFICIENCY FACTOR:			
ELECTRICITY	0.54		
NATURAL GAS	0.56		
LP GAS NIESEI	0.16		
District	0.18		
PUEL COST PER UNIT:			
ELECTRICITY		CENTSKWH	
NATURAL GAS		SMCF	
LP GAG		SIGAL	
DESEL	\$2.70	SIGAL	
PUEL PUMPING COST			
RLECTRIC WELL:			
COST PER HOUR		\$4.99	
COST PER ACRE INCH		\$3.22	
NATURAL GAS WELL:			
COST PER HOUR		\$2.46	
COST PER ACRE INCH		\$2.23	
LP GAS WELL:			
COST PER HOUR		\$19.92	
COST PER ACRE INCH		\$12.00	
DIESEL WILL:			
COST PER HOUR		\$14.29	
COST PER ACRE INCH		\$9.24	

EQUIPMENT					VARIABLE COSTS			FDE	FIXED COSTS		
ITEM & SIZE		HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FLIEL, OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR
TRACTOR	15 HP	158	1	\$14,410	\$2,353	\$327	\$14.92	\$2.07	\$1.152	\$153	50.27
TRACTOR	126 HP	244	1	\$31,618	\$5,425	\$967	\$22.27	\$3.97	\$2,647	\$290	\$12.07
TRACTOR	185 HP	361	1	\$42,539	\$10,101	\$2,089	\$27.97	\$5.79	\$6,428	\$426	\$19.99
COMBINE	145 HP	158	1	\$61,453	\$3,556	\$419	\$22.55	\$2.66	\$9,964	\$500	\$59.93
EWATHER	54 FT	30	1	\$3,900	\$307	\$18	\$10.11	\$0.58	\$1,450	\$128	\$51.91
ROUND BALER		22	1	\$3,500		57		\$0.22	\$550	\$49	\$19.53
PLANTER	8 ROW	54	1	\$5,500		\$141		\$2.64	\$1,100	549	\$21.45
CHISEL HAYMIE	21 FT	112	1	\$1,650		\$229		\$2.05	\$220	\$15	\$2.10
ROLLING CULTINATOR	8 ROW	62	1	\$4,000		\$310		\$4.96	\$533	\$35	\$9.10
DISC	28 FT	174	1	\$10,000		\$2,154		\$12.40	\$1,222	500	\$9.19
DRILL	21 FT	95	1	\$3,600		\$165		\$1.73	\$720	\$32	\$7.89
DORN HEAD	8 ROW	36	1	\$9,820		\$71		\$2.00	\$1,667	\$111	\$49.79
SRAIN TABLE	22 FT	122	1	\$4,150		\$156		\$1.28	\$501	\$33	\$4.38
SPRAYER	30 FT	45	- 1	\$1,500		\$32		\$0.72	\$200	\$13	\$4.79
SRAIN CART		158	- 1	\$3,100		\$0		\$0.00	\$413	\$27	\$2.79
SEMI-TRACTOR/TRAILER		120	- 1	\$17,500	\$1,704	\$337	\$14.18	\$2.00	\$3,500	\$155	\$30.40
TANDEM-AXLE TRUCK		37	- 1	\$10,000	\$425	\$15	\$11.34	\$0.40	\$2,000	\$80	\$55.71
MINI-GATOR SPRINKLER		10.295	2	\$5,600	50	50	\$0.00	\$0.00	\$747	\$50	\$0.08
CENTER PIVOT SPRINKLER		10.295	1	\$15,000	50	50	\$0.00	\$0.00	\$2,000	\$133	\$0.21
NATURAL GAS WELL		10,295	1	\$16,900	\$35,585	\$0	\$3.46	\$0.00	\$1,352	\$149	\$0.16

при		NEW	VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNITHE	LUBE	ACCUM HOURS	AGE	INTEREST EXPENSE
TRACTOR	95 HP	34550.00	14409.50	30.00	1.00	800.00	5.54	0.10	3627.33	23.00	1382.00
TRACTOR	126 HP	66185.00	31617.50	25.00	1.00	800.00	7.50	0.10	4384.35	18.00	2647.40
TRACTOR	185 HP	96420.00	42538.50	15.00	1.00	800.00	9.42	0.10	3972.65	11.00	2656.80
COMBINE	145 HP	132955.00	61453.00	15.00	2.00	200.00	6.96	0.20	2050.23	13.00	5318.20
SWATHER	54 FT	29000.00	2900.00	20.00	2.00	800.00	3.12	0.20	425.60	14.00	1160.00
ROUND BALER		11000.00	3500.00	20.00	2.00	500.00	0.00	0.00	223.00	10.00	440.00
PLANTER	8 ROW	11000.00	\$500.00	10.00	8.00	100.00	0.00	0.00	696.15	13.00	440.00
CHISEL HAYMIE	21 FT	2200.00	1650.00	15.00	3.00	300.00	0.00	0.00	1674.00	15.00	132.00
ROLLING CULTINATOR	8 ROW	8000.00	4000.00	15.00	2.00	200.00	0.00	0.00	999.60	16.00	320.00
DISC	28 FT	20000.00	10000.00	15.00	3.00	200.00	0.00	0.00	2779.00	16.00	800.00
DRILL	21 FT	7200.00	2600.00	10.00	8.00	100.00	0.00	0.00	1238.25	13.00	299.00
CORN HEAD	8 ROW	25000.00	9820.00	15.00	5.00	200.00	0.00	0.00	221.30	9.00	1000.00
GRAIN TABLE	22 FT	7520.00	4150.00	15.00	2.00	200.00		0.20	1952.16	16.00	200.80
SPRAYER	30 FT	2000.00	1500.00	15.00	8.00	150.00	0.00	0.00	669.38	15.00	120.00
SRAIN CART		6200.00	2100.00	15.00	5.00	150.00		0.00	2681.07	17.00	249.00
SEMI-TRACTOR/TRALER		25000.00	17500.00	10.00	5.00	800.00	5.00	0.05	1322.48	11.00	1400.00
TANDEM-AXLE TRUCK		20000.00	10000.00	10.00	2.00	400.00	4.00	0.05	299.00	8.00	800.00
MINI-GATOR SPRINKLER		\$600.00	2900.00	15.00	0.00	8742:00	0.00	0.00	77210.70	15.00	224.00
CENTER PIVOT SPRINKLES	3	20000.00	15000.00	15.00	0.00	8742:00	0.00	0.00	154421.40	15.00	1200.00
			16900.00	25.00		8742:00		0.00	154421.40	15.00	1352.00

INTERES	T PROPATION		
	DRN FOR	GRAINH	AYGRAZER
WHEAT	GRAN	SORGHUM	A MILLET
dolar	per agre		
1.23	1.75	1.23	0.00
1.30	2.49	2.39	3.15
2.49	4.59	4.59	1.71
4.72	6.74	4.72	0.00
0.00	0.00	0.00	6.11
0.00	0.00	0.00	2.32
0.00	0.99	0.99	0.00
0.11	0.11	0.11	0.11
0.00	1.02	0.51	0.00
0.64	0.78	0.79	0.32
0.36	0.00	0.00	0.36
0.00	5.60	0.00	0.00
0.35	0.00	0.35	0.00
0.00	0.27	0.27	0.00
0.22	0.21	0.22	0.00
1.63	2.33	0.00	0.00
0.00	0.00	2.99	0.00
0.15	0.48	0.17	0.00
0.83	2.56	0.90	0.00
0.93	2.89	1.02	0.00
14.04	22.91	21.22	54.07

U	SAGE LIST			
	new cne	GRAIN	HAYODA7C	000 4/00
WHICAT	COAN	SORGHIM	AMILLET	TOTAL 9
0.14	0.20	0.14	0.00	0.48
0.12	0.32	0.22	0.29	0.95
0.23	0.43	0.43	0.16	1.25
0.14	0.20	0.14	0.00	0.49
			0.16	0.19
0.00	0.00	0.00	0.17	0.17
0.00	0.12	0.12	0.00	0.24
0.09	0.09	0.09	0.09	0.36
0.00	0.20	0.10	0.00	0.30
0.14	0.17	0.17	0.07	0.55
0.12	0.00	0.00	0.12	0.24
0.00	0.20	0.00	0.00	0.20
0.14	0.00	0.14	0.00	0.28
0.00	0.10	0.10	0.00	0.20
0.14	0.20	0.14	0.00	0.49
0.14	0.20	0.00	0.00	0.34
0.00	0.00	0.14	0.00	0.14
7.11	21.98	7.76	0.00	36.85
7.11	21.98	7.76	0.00	36.85
7.11	21.98	7.76	0.00	36.85

WHEAT	ACRES:		PUMP WK		11.00
	POWER	TIMES -	ACCOMPLISH	MENT	
MACHINE	UNIT	OVER	RATE	TOTAL	CUSTOM
DISC	185 HP	1.00	0.07	0.07	
CHISEL DISC	185 HP 185 HP	1.00	0.09	0.09	
DRILL	125 HP	1.00	0.12	0.12	
IRRIGATE (7x)	128 HP	7.00	0.65	7.11	
COMBINE	GRAINTABL	1.00	0.14	0.54	
GRAIN CART	92 HP SEMI	1.00	0.14	0.54	
		1.00	0.14		
CORN FOR GRAIN	ACRES:	178.5	PUMP WK	TER:	24.00
			ACCOMPLISH	MENT	
MACHINE	POWER	TIMES -	RATE	TOTAL	custom
DISC CHISEL	185 HP 185 HD	1.00	0.07	0.07	
DISC & SPRAY	165.60	1.00	0.09	0.09	
	126 HP		0.12	0.12	
ROLLING CULT (2X) SIDEDRESS	126 HP 185 HP	2.00	0.10	0.20	
SIDEDRESS IRRIGATE (160)	185 HP	16.00	0.17	0.17 21.98	
COMBINE	CORN HEAD	1.00	0.20	0.20	
GRAIN CART	92 HP SEMI	1.00	0.20	0.20	
SRAIN SORGHUM	ACRES:	267.75	PUMP WK	TER	12.00
	POWER	TIMES -	ACCOMPLISH	MENT	
MACHINE	UNIT	OVER	RATE	TOTAL	CUSTOM
DISC	185 HP	100		0.02	COSTON
		1.00	0.09	0.09	
DISC & SPRAY	185 HP	1.00	0.10	0.10	
PLANTER ROLLING CULT.	126 HP 126 HP	1.00	0.12	0.12	
	195 HP			0.17 7.76	
IRRIGATE (6X)		6.00	0.65	7.76	
COMBINE	GRAIN TABL	1.00	0.14	0.54	
GRAIN CART	92 HP 2 TON	1.00	0.14	0.14	
HAUL	2 TON	1.00	0.14	0.54	
HAYGRAZER MILLET	ACRES		PUMP WK		0.00
	POWER	TIMES -	ACCOMPLISH	MENT	
MACHINE	UNIT	OVER	RATE	TOTAL	CUSTOM
CHISEL	185 HP	1.00	0.09	0.09	
DISC	185 HP 126 HP	1.00	0.07	0.07	
LANCE.	Law HP	1.00	3.12	0.12	
SWATHER BALER	126 HP	1.00	0.16	0.16	

		7		5		2	2	1	Hours of Use
0.000	0.000240	0.000040	0.000140	0.000000	0.000020	0.0000020	0.000020	0.000000	
0.000	0.000240	0.000043	0.000140	0.000000	0.000020	0.000620	0.000020	0.000060	50
	0.000390	0.000100	0.000220	0.000140	0.000020	0.000500	0.000020	0.000060	100
0.000	0.000510	0.000110	0.000260	0.000180	0.000040	0.000430	0.000030	0.000000	200
0.000	0.000630	0.000140	0.000310	0.000230	0.000060	0.000390	0.000050	0.000000	200
0.000	0.000710	0.000150	0.000340	0.000290	0.000090	0.000270	0.000060	0.000000	400
0.000	0.000000	0.000170	0.000370	0.000290	0.000100	0.000360	0.000070	0.000000	500
	0.000960	0.000190	0.000390	0.000310	0.000120	0.000343	0.000090	0.0000030	600
	0.000910	0.000200	0.000410	0.000330	0.000130	0.000343	0.000100	0.0000030	700
	0.000990	0.000210	0.000430	0.000350	0.000150	0.000320	0.000110	0.000000	800
	0.001020	0.000230	0.000450	0.000370	0.000160	0.000320	0.000120	0.000000	900
	0.001070	0.000230	0.000460	0.000380	0.000190	0.000210	0.000130	0.000000	
	0.001135	0.000245	0.000480	0.000405	0.000205	0.000305	0.000145	0.000045	1200
	0.001260	0.000410	0.000510	0.000435	0.000230	0.000300	0.000170	0.000045	1500
	0.001286	0.0004135	0.000525	0.000465	0.000255	0.000385	0.000170	0.000150	1900
0.000	0.001235	0.000295	0.000550	0.000485	0.000285	0.000285	0.000170	0.0000150	1900
		0.000310	0.000565	0.000505	0.000305	0.000290	0.000265	0.000110	2000 2500
								0.000070	2000
								0.0000082	3500
								0.000099	4000
								0.000108	4500
								0.000122	5000
								0.000136	\$500
								0.000148	6000
								0.000162	6500
								0.000176	7000
								0.000188	7500
								0.000204	8000
			of Agricultural				Based on unpu		
					niversity of III	-			
				Agricultural		cultural Mach	lased on "Agr		
					1000, 1902	agenta rea			
								Codes	
							ractors		
			ne .	name ninks	wanters wind	es forese he	paiers, combin		
							utay hoe, dis		
							ow cultivators		
			MOW.	oller, water fu	buck, drag.	ns, foats, rut	nanows, wago		
							oed shaper		
							calewagons, o		
			oppers.	ers, stalk cho	nt, rotary mov		corn heads, for		
							bed wagons, t		
							paler w/ engine		
				ed aprayers	pment, mount	seeding equi	caler w/ engine clanters, drifts, ertilizer distrib		

TABLE 6. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.
Planting dates: August 15 - November 15
Harvesting dates: July 1 - July 15

Harvesting dates: July 1 - J	uly 15			
ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$5.00	80.00 BUSHELS		\$400.00
DIRECT PAYMENT	\$0.00	80.00 BUSHELS	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$37.50	1.00 ACRE		\$37.50
TOTAL				\$437.50

PURCHASED INPUTS	PRICE	QUANTI	ITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED MANURE LIVESTOCK FAC & EQUIP PUMP WATER*	\$0.22 \$2.70		LBS TON AC. IN.	\$22.00 \$21.60				\$5.00	\$22.00 \$21.60 \$5.00
CROP INSURANCE SUBTOTAL	\$0.08			\$43.60			-	\$5.00	\$0.08 \$48.68
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLIS RATE		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC CHISEL DISC DRILL IRRIGATE (7X)	185 HP 185 HP 185 HP 126 HP	0.07 0.09 0.07 0.12 0.70	HR HR HR		\$0.52 \$0.67 \$0.52 \$0.89 \$4.62	\$1.96 \$2.52 \$1.96 \$2.67 \$24.58	\$1.27 \$0.70 \$1.27 \$0.68 \$0.00	\$1.90 \$1.90 \$1.90 \$2.40 \$3.14	\$5.65 \$5.79 \$5.65 \$6.65 \$32.35
SUBTOTAL		1.05	HR		\$7.23	\$33.69	\$3.93	\$11.24	\$56.09
HARVEST OPERATIONS									
COMBINE GRAIN CART HAUL SUBTOTAL	GRAIN TABLE 93 HP SEMI	0.14 0.14 0.14 0.42	HR HR	\$0.00	\$1.04 \$1.04 \$1.04 \$3.13	\$3.16 \$2.09 \$1.98	\$0.55 \$0.29 \$0.39	\$9.00 \$1.55 \$4.26	\$13.75 \$4.97 \$7.68
OVERHEAD EXPENSES									
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGE OTHER EXPENSES	MENT	0.19	HR	\$0.21 \$33.92	\$1.43 \$1.86 \$31.71			\$0.24	\$1.43 \$1.86 \$0.21 \$0.24 \$31.71 \$33.92
SUBTOTAL		0.19	HR	\$34.13	\$35.01			\$0.24	\$69.37
TOTAL OPERATING EXPENSES	3	1.66	HR	\$77.73	\$45.36	\$40.92	\$5.17	\$31.29	\$200.55
NET OPERATING PROFIT									\$236.95
INTEREST ON OPERATING C		(\$31.95	@	8.00%)				\$2.56 \$14.94
RETURN TO LAND AND RISK									\$219.46

^{*} Pump water costs are shown under irrigation in the preharvest operations sections. BUDGET SUMMARY

GROSS RETURN \$437.50 VARIABLE OPERATING EXPENSES
RETURN OVER VARIABLE EXPENSES
FIXED EXPENSES \$123.81 \$313.69 (GROSS MARGIN) \$31.29 NET FARM INCOME LABOR AND MANAGEMENT COST NET OPERATING PROFIT CAPITAL COSTS \$282.40 (RETURN TO CAPITAL, LABOR, LAND & RISK) \$45.36 \$237.04 (RETURN TO CAPITAL, LAND & RISK) \$17.49 RETURN TO LAND AND RISK \$219.54

TABLE 7. Corn for grain, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.
Planting dates: April 15 - May 15
Harvesting dates: October 1 - November 15

Harvesting dates: October 1	- November 15							
ITEM	PRICE	YIELD	BASE					TOTAL
GROSS RETURNS								
CORN FOR GRAIN	\$3.50	200.00 BUSHEL	_S					\$700.00
DIRECT PAYMENT	\$0.00	200.00 BUSHEL						\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 BUSHEL						\$0.00
GRAZING	\$20.00	1.00 ACRE	-0					\$20.00
GRAZING	\$20.00	1.00 ACRE						\$20.00
TOTAL							-	\$720.00
			PURCHASED				FIXED	
PURCHASED INPUTS	PRICE	QUANTITY	INPUTS				COST	TOTAL
SEED	\$1.06	26 000	\$27.63					\$27.63
NITROGEN (N)	\$0.52	220 LBS	\$114.40					\$114.40
	\$0.40	70 LBS	\$28.00					\$28.00
PHOSPHATE (P2O5)								
POTASSIUM (K-MAG)	\$0.12	300 LBS	\$34.50					\$34.50
INSECTICIDE	\$20.48	3 ACRE	\$61.44					\$61.44
HERBICIDE	\$28.16	1 ACRE	\$28.16					\$28.16
LIVESTOCK FAC & EQUIP							\$5.00	\$5.00
PUMP WATER*		34 AC. IN.					ψ0.00	ψ0.00
CROP INSURANCE	\$0.28							\$0.28
SUBTOTAL			\$294.13				\$5.00	\$299.41
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FREHARVEST OFERATIONS	ONII	NAIL	1141 010	LABOIL	LODE	ILLI AIILO	0001	TOTAL
DISC	185 HP	0.07 HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
CHISEL	185 HP	0.09 HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC & SPRAY	185 HP	0.10 HR		\$0.75	\$2.80	\$1.89	\$3.19	\$8.63
PLANTER	126 HP	0.12 HR		\$0.89	\$2.67	\$0.79	\$4.02	\$8.38
ROLLING CULT (2X)	126 HP	0.20 HR		\$1.49	\$4.45	\$1.79	\$4.23	\$11.97
SIDEDRESS	185 HP	0.17 HR		\$1.27	\$4.75	\$0.98	\$3.23	\$10.23
IRRIGATE (16X)		1.60 HR		\$10.56	\$75.98	\$0.00	\$9.72	\$96.26
SUBTOTAL		2.35 HR		\$16.15	\$95.14	\$7.43	\$28.19	\$146.91
HARVEST OPERATIONS								
COMBINE	CORN HEAD	0.20 HR		\$1.49	\$4.51	\$0.93	\$21.94	\$28.87
GRAIN CART	93 HP	0.20 HR		\$1.49	\$2.98	\$0.41	\$2.21	\$7.10
HAUL	SEMI	0.20 HR		\$1.49	\$2.84	\$0.56	\$6.08	\$10.96
SUBTOTAL		0.60 HR	\$0.00	\$4.47	\$10.33	\$1.91	\$30.24	\$46.94
OVERHEAD EXPENSES								
DOWNTIME		0.30 HR		\$2.20				\$2.20
EMPLOYEE BENEFITS				\$3.71				\$3.71
INSURANCE			\$0.41	ψ0.7 1				\$0.41
			φυ.41					
LAND TAXES							\$0.24	\$0.24
SUPERVISION AND MANAGEMENT				\$53.64				\$53.64
OTHER EXPENSES			\$33.92					\$33.92
SUBTOTAL		0.30 HR	\$34.33	\$59.55			\$0.24	\$94.12
TOTAL OPERATING EXPENSES		3.25 HR	\$328.46	\$80.17	\$105.47	\$9.34	\$63.67	\$587.37
								\$132.63
NET OPERATING PROFIT								
		/ \$100.04	0.000/	`				044.50
NET OPERATING PROFIT INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTM	MENT	(\$182.04 @	8.00%)				\$14.56 \$33.91
INTEREST ON OPERATING CAPITAL	MENT	(\$182.04 @	8.00%)				

^{*} Pump water costs are shown under irrigation in the preharvest operations sections. BUDGET SUMMARY

GROSS RETURN		\$720.00	
VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES	\$443.26	\$276.74	(GROSS MARGIN)
FIXED EXPENSES	\$63.67	Ψ210.14	(OROGO MARGIN)
NET FARM INCOME		\$213.07	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$80.17		
NET OPERATING PROFIT CAPITAL COSTS	\$48.47	\$132.91	(RETURN TO CAPITAL, LAND & RISK)
RETURN TO LAND AND RISK	\$40.4 <i>1</i>	\$84.43	

TABLE 8. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.
Planting dates: May 15 - June 15
Harvesting dates: October 15 - November 15

Harvesting dates: Octo	ber 15 - November 1)								
ITEM	PRICE		YIEL	D	BASE					TOTAL
GROSS RETURNS										
GRAIN SORGHUM	\$5.75		45.00	CWT						\$258.75
DIRECT PAYMENT	\$0.00		45.00	CWT	0.85					\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			CWT	0.00					\$0.00
GRAZING	\$5.00			ACRE						\$5.00
OIVAZINO	ψ3.00		1.00	AONL						ψ5.00
TOTAL										\$263.75
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUANT	TITY	INPUTS				COST	TOTAL
SEED	\$0.60		5	LBS	\$3.00					\$3.00
NITROGEN (N)	\$0.52			LBS	\$78.00					\$78.00
PHOSPHATE (P205)	\$0.40			LBS	\$20.00					\$20.00
HERBICIDE	\$28.16		1	ACRE	\$28.16					\$28.16
LIVESTOCK FAC & EQUIP									\$5.00	\$5.00
PUMP WATER*			12	AC. IN.						
CROP INSURANCE	\$0.19									\$0.19
SUBTOTAL	\$ 00				\$129.16				\$5.00	\$134.35
002101112					Ų.25.16				ψ0.00	Ψ101.00
	POWER		ACCOMPLIS	SHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT	,	RAT		INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
DISC	185 HP		0.07	HR		\$0.52	\$1.96	\$1.27	\$1.90	\$5.65
CHISEL	185 HP		0.09	HR		\$0.67	\$2.52	\$0.70	\$1.90	\$5.79
DISC & SPRAY	185 HP		0.10			\$0.75	\$2.80	\$1.89	\$3.19	\$8.63
PLANTER	126 HP		0.10			\$0.73	\$2.67	\$0.79	\$4.02	\$8.38
ROLLING CULT.	126 HP		0.10			\$0.75	\$2.23	\$0.89	\$2.12	\$5.98
SIDEDRESS	185 HP		0.17			\$1.27	\$4.75	\$0.98	\$3.23	\$10.23
IRRIGATE (6X)			0.60	HR		\$3.96	\$26.82	\$0.00	\$3.43	\$34.21
SUBTOTAL		-	1.25	HR		\$8.80	\$43.74	\$6.54	\$19.79	\$78.87
HARVEST OPERATIONS										
COMBINE	GRAIN TABLE		0.14	HR		\$1.04	\$3.16	\$0.55	\$9.00	\$13.75
GRAIN TABLE	93 HP		0.14			\$1.04	\$2.09	\$0.29	\$1.55	\$4.97
HAUL	2 TON		0.14	HK		\$1.04	\$1.59	\$0.06	\$7.80	\$10.49
SUBTOTAL		_	0.42	HR	\$0.00	\$3.13	\$6.83	\$0.90	\$18.35	\$29.21
OVERHEAD EXPENSES										
DOWNTIME			0.23	HR		\$1.68				\$1.68
EMPLOYEE BENEFITS						\$2.15				\$2.15
INSURANCE					\$0.24					\$0.24
LAND TAXES									\$0.24	\$0.24
SUPERVISION AND MANAGEME	NT					\$19.72				\$19.72
OTHER EXPENSES	•••				\$33.92	ψ.ισ <u>-</u>				\$33.92
OTHER EXPENSES					\$33.92					\$33.92
SUBTOTAL		_	0.23	HR	\$34.16	\$23.55			\$0.24	\$57.94
TOTAL OPERATING EXPENSES		_	1.90	HR	\$163.32	\$35.48	\$50.58	\$7.44	\$43.38	\$300.37
NET OPERATING PROFIT										(\$36.62)
INTEREST ON OPERATING CAPI	ΤΔΙ	(\$77.89	@	8.00%)				\$6.23
INTEREST ON EQUIPMENT INVE		'	ψ11.00	w.	0.0070	,				\$21.23
RETURN TO LAND AND RISK										(\$64.09)
	or irrigation in the	hanvoot on	ations seet! -	no						(\$000)
* Pump water costs are shown und	er irrigation in the pre	BUDGET S		ris.						
GROSS RETURN			\$263.75							
VARIABLE OPERATING EXPENSE	S	\$221.33								

GROSS RETURN		\$263.75	
VARIABLE OPERATING EXPENSES	\$221.33		
RETURN OVER VARIABLE EXPENSES		\$42.42	(GROSS MARGIN)
FIXED EXPENSES	\$43.38		
NET FARM INCOME		(\$0.96)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$35.48		
NET OPERATING PROFIT		(\$36.44)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$27.46		,
RETURN TO LAND AND RISK		(\$63.90)	

TABLE 9. Haygrazer/millet, dryland, budgeted per acre costs and returns for a 1,280 acre farm with above average management, Union County, Projected 2007.

Planting dates: June 1 - June 15

Harvesting dates: September 1 - September 15

Harvesting dates: Septemb	er 1 - September 15								
ITEM	PRICE		YIELD						TOTA
GROSS RETURNS HAY	\$115.00		1.50 TONS (S	TACKED)					\$172.50
TOTAL								-	\$172.50
PURCHASED INPUTS	PRICE		QUANTITY	PURCHASED INPUTS				FIXED COST	TOTA
SEED HERBICIDE BALING TWINE	\$0.26 \$14.79 \$0.26		6.00 LBS 1.00 ACRE 0.13 ROLL	\$1.56 \$14.79 \$0.03					\$1.56 \$14.79 \$0.03
SUBTOTAL				\$16.39				-	\$16.39
PREHARVEST OPERATIONS	POWER UNIT	,	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAI
CHISEL DISC DRILL	185 HP 185 HP 126 HP		0.09 HR 0.07 HR 0.12 HR		\$0.67 \$0.52 \$0.89	\$2.52 \$1.96 \$2.67	\$0.70 \$1.27 \$0.68	\$1.90 \$1.90 \$2.40	\$5.79 \$5.65 \$6.65
SUBTOTAL		_	0.28 HR		\$2.09	\$7.15	\$2.66	\$6.19	\$18.09
HARVEST OPERATIONS									
SWATHER BALER	126 HP		0.16 HR 0.17 HR		\$1.19 \$1.27	\$1.62 \$3.79	\$0.09 \$0.71	\$8.31 \$5.20	\$11.21 \$10.97
SUBTOTAL		_	0.33 HR	\$0.00	\$2.46	\$5.40	\$0.81	\$13.51	\$22.18
OVERHEAD EXPENSES									
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES			0.15 HR	\$0.09	\$1.14 \$0.82			\$0.24	\$1.14 \$0.82 \$0.09 \$0.24
SUPERVISION AND MANAGEMENT OTHER EXPENSES				\$6.78	\$12.38				\$12.38 \$6.78
SUBTOTAL		_	0.15 HR	\$6.87	\$14.33			\$0.24	\$21.45
TOTAL OPERATING EXPENSES		_	0.43 HR	\$23.26	\$18.88	\$12.55	\$3.47	\$19.94	\$78.10
NET OPERATING PROFIT									\$94.40
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTM		(\$11.16 @	8.00%)				\$0.89 \$14.07
RETURN TO LAND AND RISK									\$79.43

^{*} Pump water costs are shown under irrigation in the preharvest operations sections. BUDGET SUMMARY

GROSS RETURN		\$172.50	
VARIABLE OPERATING EXPENSES	\$39.28		
RETURN OVER VARIABLE EXPENSES		\$133.22	(GROSS MARGIN)
FIXED EXPENSES	\$19.94		
NET FARM INCOME		\$113.28	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$18.88		
NET OPERATING PROFIT		\$94.40	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$14.97		
RETURN TO LAND AND RISK		\$79.43	

TABLE 10. Summary of per acre costs and returns for a 1,280 acre farm with above average management, Union County Projected 2007.

Projected 2007.				
	WHEAT	CORN FOR GRAIN	GRAIN SORGHUM	HAYGRAZER & MILLET
				(Dryland)
	BU	BU	CWT	TONS
PRIMAR YIELD	80.00	200.00	45.00	
PRIMARY PRICE	\$5.00	\$3.50	\$5.75	\$115.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$37.50	\$20.00	\$5.00	\$0.00
GROSS RETURN	\$437.50	\$720.00	\$263.75	\$172.50
CASH OPERATING EXPENSES				
SEED	\$22.00	\$27.63	\$3.00	\$1.56
FERTILIZER	\$21.60	\$176.90	\$98.00	
CHEMICALS		\$89.60	\$28.16	\$14.79
CROP INSURANCE	\$0.08	\$0.28	\$0.19	
OTHER PURCHASED INPUTS CANAL WATER	·	·	•	\$0.03
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$16.34	\$29.48	\$23.76	\$12.55
FUEL-IRRIGATION	\$24.58	\$75.98	\$26.82	Ų.2.00
REPAIRS	\$5.17	\$9.34	\$7.44	\$3.47
CUSTOM CHARGES	Ψ0	Ψ0.0.	4	\$0.00
LAND TAXES	\$0.24	\$0.24	\$0.24	\$0.24
OTHER EXPENSES	\$34.13	\$34.33	\$34.16	\$6.87
TOTAL CASH EXPENSES	\$124.13	\$443.78	\$221.76	\$39.52
RETURN OVER CASH EXPENSES	\$313.37	\$276.22	\$41.99	\$132.98
FIXED EXPENSES	\$31.05	\$63.43	\$43.14	\$19.70
TOTAL EXPENSES	\$155.18	\$507.21	\$264.90	\$59.22
NET FARM INCOME	\$282.32	\$212.79	(\$1.15)	\$113.28
LABOR AND MANAGEMENT COSTS	\$45.36	\$80.17	\$35.48	\$18.88
NET OPERATING PROFIT	\$236.95	\$132.63	(\$36.62)	\$94.40
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT	\$2.56 \$14.94	\$14.56 \$33.91	\$6.23 \$21.23	\$0.89 \$14.07
TOTAL CAPITAL COSTS	\$17.49	\$48.47	\$27.46	\$14.97
RETURN TO LAND AND RISK	\$219.46	\$84.15	(\$64.09)	\$79.43

Flex Computation 265.44 181.49 0.29

TABLE 11. Whole farm summary, Union County, Projected 2007.

Projected 2007.				
GROSS RETURNS				
WHEAT	604 ACRES			
CROP		\$241,500		
GRAZING		\$22,641		
DIRECT PAYMENT COUNTER CYCLICAL PA	VM⊏NIT	\$0 \$0		
CORN FOR GRAIN	179 ACRES	Φ0		
CROP	175 MOREO	\$124,950		
GRAZING		\$3,570		
DIRECT PAYMENT		\$0		
COUNTER CYCLICAL PA	YMENT	\$0		
GRAIN SORGHUM	268 ACRES			
CROP		\$69,280		
GRAZING		\$1,339		
DIRECT PAYMENT	ANAENIT.	\$0 \$0		
COUNTER CYCLICAL PATHAYGRAZER/MILLET		\$0		
CROP	190 ACKES	\$32,775		
CITO		Ψ32,773		
GROSS RETURN			-	\$496,055
CASH OPERATING EXPENS	SES			
SEED	220	\$19,313		
FERTILIZER		\$70,857		
CHEMICALS		\$26,344		
CROP INSURANCE		\$150		
OTHER PURCHASED IN	PUTS	\$7		
CANAL WATER		\$0		
FUEL, OIL & LUBRICANT	S-EQUIPMENT	\$23,872		
FUEL-IRRIGATION		\$35,585		
REPAIRS		\$7,437		
CUSTOM CHARGES LAND TAXES		\$0 \$296		
OTHER EXPENSES		\$296 \$37,183		
OTTILIN EXPLINACES		φ37,103		
TOTAL CASH EX	KPENSES	-	\$221,044	
RETURN OVER CASH EXPE	NSES			\$275,011
RETURN OVER CASH EXFL	INGLO			φ213,011
FIXED EXPENSES		\$45,362		
TOTAL EVENIO	F0		#000 400	
TOTAL EXPENS	ES		\$266,406	
NET FARM INCOME				\$229,649
LABOR AND MANAGER		054705		
LABOR AND MANAGEMENT	COSTS	\$54,785		
NET OPERATING PROFIT				\$174,864
CAPITAL COSTS				
INTEREST ON OPERATION	NG CAPITAL	\$5,981		
INTEREST ON EQUIPME		\$23,429		
		. , -		
TOTAL CAPITAL	. COSTS	-	\$29,410	
RETURN TO LAND AND RIS	K			\$145,454
	•••		-	ψ110, 101

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$500 /ACRE	\$126,254	19.31%
\$750 /ACRE	\$116,654	14.27%
\$1,000 /ACRE	\$107,054	11.31%
\$1,250 /ACRE	\$97,454	9.37%
\$1,500 /ACRE	\$87,854	8.00%

 $^{^{\}star}$ 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)