

**GRAIN SORGHUM - NO TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>YOUR FARM</u>
REVENUE						
GRAIN SORGHUM(1)	GRAIN	BU.	90	\$3.40	\$306.00	_____
VARIABLE EXPENSES						
SEED	SEEDING RATE	LB.	6	\$1.63	\$9.78	_____
SEED TREATMENT	INSECTICIDE	ACRE	1	\$8.00	\$8.00	_____
FERTILIZER	N (UREA)	LB.	100	\$0.43	\$43.00	_____
	P2O5	LB.	50	\$0.52	\$26.00	_____
	K2O	LB.	50	\$0.44	\$22.00	_____
LIME	AG LIMESTONE	TON	0.5	\$34.50	\$17.25	_____
WEED CONTROL(2)						
BURNDOWN	GRAMOXONE INTEON	QT.	1.25	\$7.87	\$9.84	_____
	SURFACTANT (80% ACT.)	PT.	0.2	\$1.91	\$0.38	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	\$9.70	\$20.37	_____
	ATRAZINE 4L	OZ.	11.84	\$0.14	\$1.66	_____
	CROP OIL CONCENTRATE	PT.	2	1.79	\$3.58	_____
MACHINERY REPAIR		AC.	1	\$15.77	\$15.77	_____
MACHINERY FUEL	DIESEL @ \$2.35/GALLON	AC.	1	\$12.55	\$12.55	_____
OPERATING CAPITAL	6 MONTHS	AC.	\$190.18	6.00%	\$5.71	_____
					TOTAL VARIABLE EXPENSES	\$195.89
					RETURN ABOVE VARIABLE EXPENSES	\$110.11
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	\$26.95	\$26.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	\$9.11	\$9.11	_____
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				\$74.06	_____
LABOR EXPENSES						
LABOR		HR.	0.69	\$9.75	\$6.68	_____
	RETURN TO LAND, MANAGEMENT, AND RISK				\$67.38	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) LATE PLANTED SORGHUM IS SUSCEPTIBLE TO SORGHUM MIDGE AND MUST BE SCOUTED FOR POSSIBLE TREATMENT.
- (2) DO NOT USE BICEP II MANGUM, DUAL II MANGUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEP OR SCREEN. DO NOT USE LARIAT, BULLET OR LASSO PRE UNLESS YOU PLANT SEED THAT HS BEEN SAFENED WITH A SEED SAFENER CONTAINING THE ACTIVE INGREDIENT FLURAZOLE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

**GRAIN SORGHUM - NO TILLAGE, 90 BUSHEL YIELD
ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)**

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE	
			MACHINE	LABOR
APR-MAY	PLANT	PLANTER, 12-ROW	0.06	0.08
	BURNDOWN/PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
	TOTAL			0.69

MACHINE	HOURS PER ACRE	-----INTEREST COST-----		-COST PER HOUR-		-----COST PER ACRE-----			
		PER HOUR	PER ACRE	F.C.	V.C.	FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.26	\$7.55	\$2.00	\$14.12	\$40.86	\$3.74	\$3.69	\$7.12	\$10.81
COMBINE	0.14	\$28.00	\$3.83	\$90.06	\$64.73	\$12.32	\$5.11	\$3.75	\$8.86
CORN HEAD	0.14	\$5.25	\$0.72	\$32.74	\$21.00	\$4.48	\$2.87	\$0.00	\$2.87
SEMI T/T	0.14	\$4.20	\$0.57	\$11.57	\$17.47	\$1.58	\$0.96	\$1.43	\$2.39
PLANTER	0.06	\$18.75	\$1.14	\$42.33	\$31.25	\$2.57	\$1.90	\$0.00	\$1.90
SPRAYER	0.01	\$45.00	\$0.46	\$97.09	\$83.37	\$0.99	\$0.60	\$0.25	\$0.85
SPRAYER	0.14	\$2.85	\$0.39	\$9.25	\$4.75	\$1.27	\$0.65	\$0.00	\$0.65
TOTAL			\$9.11			\$26.95	\$15.77	\$12.55	\$28.33

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

**BREAKEVEN CALCULATIONS
(BASED ON THE PREVIOUS PAGE'S BUDGET)**

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	\$3.40	57.6
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	\$3.40	70.2

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	90	\$2.18
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	90	\$2.65