

## Estimating 2001 Costs of Production

### Grain Sorghum, Non-Irrigated, Mixed Soils, 2001

AG-605-12-00

**Tony E. Windham, Extension Economist - Management**

**Jennifer Lafferty, Extension Associate**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.36	6.0000	8.16	-----
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	-----
Custom haul	cwt	0.27	42.9000	11.58	-----
Custom dry sorghum	cwt	0.27	42.9000	11.58	-----
FERTILIZER & LIME					
9-23-30	lb	0.11	300.0000	33.00	-----
Urea 46%	lb	0.09	160.0000	15.20	-----
HERBICIDES					
Atrazine	pint	1.25	4.0000	5.00	-----
Dual II	pt	8.43	1.5000	12.64	-----
OPERATOR LABOR					
Implements	hour	6.39	0.2360	1.50	-----
Tractors	hour	6.39	0.5214	3.33	-----
Self-Propelled Eq.	hour	6.39	0.2352	1.50	-----
DIESEL FUEL					
Tractors	gal	1.09	4.5949	5.00	-----
Self-Propelled Eq.	gal	1.09	2.8760	3.13	-----
REPAIR & MAINTENANCE					
Implements	acre	2.58	1.0000	2.58	-----
Tractors	acre	3.32	1.0000	3.32	-----
Self-Propelled Eq.	acre	4.75	1.0000	4.75	-----
INTEREST ON OP. CAP.	acre	5.02	1.0000	5.02	-----
TOTAL DIRECT EXPENSES				135.35	-----
FIXED EXPENSES					
Implements	acre	5.03	1.0000	5.03	-----
Tractors	acre	7.61	1.0000	7.61	-----
Self-Propelled Eq.	acre	14.67	1.0000	14.67	-----
TOTAL FIXED EXPENSES				27.33	-----
TOTAL SPECIFIED EXPENSES				162.68	-----

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of race, color, national origin, religion, gender, age, or disability, marital or veteran s status, or any other legally protected status, and is an Equal Opportunity Emphyer.

**Table 2. Estimated resource use and costs for field operations, per acre  
Grain Sorghum, Non-Irrigated, Mixed Soils, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars	-----dollars-----				
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00	4.00
9-23-30	lb											300.0000	0.11	33.00	33.00
Field cultivator	25.5'	MFWD190	0.054	1.00	Mar	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Plntr hbox + sprydir	20'	2WD 150	0.127	1.00	Apr	1.91	1.70	1.19	2.02	0.304	1.94				8.78
Grain sorg. safened	lb											6.0000	1.36	8.16	8.16
Atrazine	pint											4.0000	1.25	5.00	5.00
Dual II	pt											1.5000	8.43	12.64	12.64
Water tank	1000 gal	170	0.131	0.06	Apr	0.10	0.05	0.00	0.01	0.001	0.01				0.18
Cstm ap grd fert dry acre				1.00	May							1.0000	4.00	4.00	4.00
Urea 46%	lb											160.0000	0.09	15.20	15.20
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	1.94	1.72	0.29	0.50	0.167	1.07				5.55
Combine, 4wd, sorg.	20'		0.205	1.00	Sep			7.88	14.67	0.235	1.50				24.07
Custom haul	cwt			1.00	Sep							42.9000	0.27	11.58	11.58
Custom dry sorghum	cwt			1.00	Sep							42.9000	0.27	11.58	11.58
TOTALS						8.33	7.61	10.47	19.71	0.992	6.34			105.17	157.65
INTEREST ON OPERATING CAPITAL															5.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															162.68

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

### Grain Sorghum, Flood Irrigated, Loamy Soils, 2001

AG-606-12-00

**Tony E. Windham, Extension Economist - Management**

**Jennifer Lafferty, Extension Associate**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.36	7.0000	9.52	-----
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	-----
Cstm lsr surv soy&gs	acre	1.25	1.0000	1.25	-----
Custom haul	cwt	0.27	64.0000	17.28	-----
Custom dry sorghum	cwt	0.27	64.0000	17.28	-----
FERTILIZER & LIME					
9-23-30	lb	0.11	300.0000	33.00	-----
Urea 46%	lb	0.09	250.0000	23.75	-----
HERBICIDES					
Atrazine	pint	1.25	4.0000	5.00	-----
Dual II	pt	8.43	1.5000	12.64	-----
OPERATOR LABOR					
Implements	hour	6.39	0.2685	1.71	-----
Tractors	hour	6.39	0.7001	4.47	-----
Self-Propelled Eq.	hour	6.39	0.2352	1.50	-----
IRRIGATION LABOR					
Flood irrig	hour	6.39	0.0700	0.44	-----
DIESEL FUEL					
Tractors	gal	1.09	5.9213	6.45	-----
Self-Propelled Eq.	gal	1.09	2.8760	3.13	-----
Flood irrig	gal	1.09	7.0000	7.63	-----
REPAIR & MAINTENANCE					
Implements	acre	2.78	1.0000	2.78	-----
Tractors	acre	4.23	1.0000	4.23	-----
Self-Propelled Eq.	acre	4.75	1.0000	4.75	-----
Flood irrig	acre	1.50	1.0000	1.50	-----
INTEREST ON OP. CAP.	acre	5.91	1.0000	5.91	-----
TOTAL DIRECT EXPENSES				172.27	-----
FIXED EXPENSES					
Implements	acre	5.52	1.0000	5.52	-----
Tractors	acre	9.68	1.0000	9.68	-----
Self-Propelled Eq.	acre	14.67	1.0000	14.67	-----
Flood irrig	acre	16.33	1.0000	16.33	-----
TOTAL FIXED EXPENSES				46.21	-----
TOTAL SPECIFIED EXPENSES				218.49	-----

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**Table 2. Estimated resource use and costs for field operations, per acre  
Grain Sorghum, Flood Irrigated, Loamy Soils, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars	-----dollars-----				
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Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00	4.00
9-23-30	lb											300.0000	0.11	33.00	33.00
Field cultivator	25.5'	MFWD190	0.054	1.00	Mar	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Plntr hbox + sprydir	20'	2WD 150	0.127	1.00	Apr	1.91	1.70	1.19	2.02	0.304	1.94				8.78
Grain sorg. safened	lb											7.0000	1.36	9.52	9.52
Atrazine	pint											4.0000	1.25	5.00	5.00
Dual II	pt											1.5000	8.43	12.64	12.64
Water tank	1000 gal	170	0.131	0.06	Apr	0.10	0.05	0.00	0.01	0.001	0.01				0.18
Cstm lsr surv soy&gs acre				1.00	May							1.0000	1.25	1.25	1.25
Cstm ap grd fert dry acre				1.00	May							1.0000	4.00	4.00	4.00
Urea 46%	lb											250.0000	0.09	23.75	23.75
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	1.94	1.72	0.29	0.50	0.167	1.07				5.55
Levee disk-build	9'	2WD 170	0.196	0.15	Jun	0.50	0.44	0.05	0.11	0.038	0.24				1.35
Blade, rear mount	8'	2WD 105	0.645	0.05	Jun	0.34	0.30	0.01	0.05	0.041	0.26				0.97
Flood irrig	ac-in			1.00	Jun			5.22	16.33	0.040	0.25	4.0000			21.80
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Jun	0.33	0.29	0.03	0.07	0.025	0.16				0.90
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.50	0.44	0.05	0.11	0.038	0.24				1.35
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.34	0.30	0.01	0.05	0.041	0.26				0.97
Flood irrig	ac-in			1.00	Jul			3.91		0.030	0.19	3.0000			4.10
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.33	0.29	0.03	0.07	0.025	0.16				0.90
Combine, 4wd, sorg.	20'		0.205	1.00	Sep			7.88	14.67	0.235	1.50				24.07
Custom haul	cwt			1.00	Sep							64.0000	0.27	17.28	17.28
Custom dry sorghum	cwt			1.00	Sep							64.0000	0.27	17.28	17.28
TOTALS						10.68	9.68	19.80	36.53	1.273	8.14			127.72	212.57
INTEREST ON OPERATING CAPITAL															5.91
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															218.49

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