

**Grain Sorghum, Non-Irrigated,
Mixed Soils, 2000**

Ag-561-12-99

Tony E. Windham, Extension Economist - Management
Jennifer Sills, Extension Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.20	6.0000	7.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.50	2.0000	9.00	_____
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	31.50	_____
Urea 46%	lb	0.07	160.0000	11.04	_____
HERBICIDES					
Atrazine 4L	pint	1.25	4.0000	5.00	_____
Dual 8E	pint	6.88	1.5000	10.32	_____
OPERATOR LABOR					
Implements	hour	6.23	0.7179	4.47	_____
Self-Propelled Eq.	hour	6.23	0.2352	1.47	_____
DIESEL FUEL					
Tractors	gal	0.60	5.0457	3.03	_____
Self-Propelled Eq.	gal	0.60	2.8761	1.73	_____
REPAIR & MAINTENANCE					
Implements	acre	2.59	1.0000	2.59	_____
Tractors	acre	4.01	1.0000	4.01	_____
Self-Propelled Eq.	acre	4.75	1.0000	4.75	_____
INTEREST ON OP. CAP.	acre	4.21	1.0000	4.21	_____
TOTAL DIRECT EXPENSES				123.48	_____
FIXED EXPENSES					
Implements	acre	5.64	1.0000	5.64	_____
Tractors	acre	6.76	1.0000	6.76	_____
Self-Propelled Eq.	acre	16.47	1.0000	16.47	_____
TOTAL FIXED EXPENSES				28.86	_____
TOTAL SPECIFIED EXPENSES				152.34	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Grain Sorghum, Non-Irrigated, Mixed Soils, 2000

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'	180	0.082	1.00	Nov	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.50	4.50	4.50
9-23-30	lb											300.0000	0.11	31.50	31.50
Field cultivator	25.5'	180	0.054	1.00	Mar	0.91	0.91	0.20	0.50	0.065	0.40				2.93
Plntr hbox + sprydir	20'	145	0.127	1.00	Apr	1.63	1.51	1.20	2.22	0.292	1.82				8.37
Grain sorg. safened	lb											6.0000	1.20	7.20	7.20
Atrazine 4L	pint											4.0000	1.25	5.00	5.00
Dual 8E	pint											1.5000	6.88	10.32	10.32
Water tank	1000 gal	170	0.131	0.06	Apr	0.07	0.05	0.01	0.01	0.009	0.06				0.20
Cstm ap grd fert dry acre				1.00	May							1.0000	4.50	4.50	4.50
Urea 46%	lb											160.0000	0.07	11.04	11.04
Row cult 8r@30"	20'	145	0.129	1.00	May	1.65	1.53	0.30	0.57	0.155	0.96				5.01
Combine, 4wd, sorg.	20'		0.206	1.00	Sep			6.48	16.47	0.235	1.47				24.41
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						7.04	6.76	9.07	22.10	0.953	5.94			97.23	148.14
INTEREST ON OPERATING CAPITAL															4.21
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															152.34

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.

**Grain Sorghum, Flood Irrigated,
Loamy Soils, 2000**

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.20	7.0000	8.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.50	2.0000	9.00	_____
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	31.50	_____
Urea 46%	lb	0.07	250.0000	17.25	_____
HERBICIDES					
Atrazine 4L	pint	1.25	4.0000	5.00	_____
Dual 8E	pint	6.88	1.5000	10.32	_____
OPERATOR LABOR					
Implements	hour	6.23	0.9129	5.69	_____
Self-Propelled Eq.	hour	6.23	0.2352	1.47	_____
IRRIGATION LABOR					
Flood irrigation	hour	6.23	0.4200	2.62	_____
DIESEL FUEL					
Tractors	gal	0.60	6.5165	3.91	_____
Self-Propelled Eq.	gal	0.60	2.8761	1.73	_____
Flood irrigation	gal	0.60	8.2600	4.96	_____
REPAIR & MAINTENANCE					
Implements	acre	2.78	1.0000	2.78	_____
Tractors	acre	5.29	1.0000	5.29	_____
Self-Propelled Eq.	acre	4.75	1.0000	4.75	_____
Flood irrigation	acre	2.87	1.0000	2.87	_____
INTEREST ON OP. CAP.	acre	4.95	1.0000	4.95	_____

TOTAL DIRECT EXPENSES				158.29	_____
FIXED EXPENSES					
Implements	acre	6.19	1.0000	6.19	_____
Tractors	acre	8.90	1.0000	8.90	_____
Self-Propelled Eq.	acre	16.47	1.0000	16.47	_____
Flood irrigation	acre	15.19	1.0000	15.19	_____

TOTAL FIXED EXPENSES				46.75	_____

TOTAL SPECIFIED EXPENSES				205.04	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Grain Sorghum, Flood Irrigated, Loamy Soils, 2000

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'	180	0.082	1.00	Nov	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.50	4.50	4.50
9-23-30 lb												300.0000	0.11	31.50	31.50
Field cultivator	25.5'	180	0.054	1.00	Mar	0.91	0.91	0.20	0.50	0.065	0.40				2.93
Plntr hbox + sprydir	20'	145	0.127	1.00	Apr	1.63	1.51	1.20	2.22	0.292	1.82				8.37
Grain sorg. safened lb												7.0000	1.20	8.40	8.40
Atrazine 4L pint												4.0000	1.25	5.00	5.00
Dual 8E pint												1.5000	6.88	10.32	10.32
Water tank	1000 gal	170	0.131	0.06	Apr	0.07	0.05	0.01	0.01	0.009	0.06				0.20
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	4.50	4.50	4.50
Urea 46% lb												250.0000	0.07	17.25	17.25
Row cult 8r@30"	20'	145	0.129	1.00	May	1.65	1.53	0.30	0.57	0.155	0.96				5.01
Levee disk-build	9'	160	0.196	0.15	Jun	0.45	0.46	0.05	0.13	0.035	0.22				1.31
Blade, rear mount	8'	110	0.645	0.05	Jun	0.32	0.31	0.01	0.06	0.039	0.24				0.95
Flood irrigation	ac in			1.00	Jun			4.47	8.68	0.240	1.50	4.0000			14.65
Levee disk-knock dwn	9'	160	0.196	0.10	Jun	0.30	0.31	0.03	0.09	0.024	0.15				0.87
Levee disk-build	9'	160	0.196	0.15	Jul	0.45	0.46	0.05	0.13	0.035	0.22				1.31
Blade, rear mount	8'	110	0.645	0.05	Jul	0.32	0.31	0.01	0.06	0.039	0.24				0.95
Flood irrigation	ac in			1.00	Jul			3.35	6.51	0.180	1.12	3.0000			10.99
Levee disk-knock dwn	9'	160	0.196	0.10	Aug	0.30	0.31	0.03	0.09	0.024	0.15				0.87
Combine, 4wd, sorg.	20'		0.206	1.00	Sep			6.48	16.47	0.235	1.47				24.41
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						9.20	8.90	17.09	37.85	1.568	9.77			117.28	200.08
INTEREST ON OPERATING CAPITAL															4.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															205.04

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