

**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 8 Row, Conventional Tillage, BG/RR**

AG-1176-11-08

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Dropp SC	oz	2.37	1.6000	3.79	_____
Def 6	pt	6.75	0.2500	1.69	_____
Finish 6	pt	7.61	0.3125	2.38	_____
Aim 2EC	oz	6.53	0.6700	4.38	_____
Prep	pt	4.41	2.0000	8.82	_____
FERTILIZERS					
0-40-90-10-1	acre	131.58	1.0000	131.58	_____
Urea, Solid (46% N)	lb.	0.30	218.0000	65.40	_____
HERBICIDES					
Glyphosate Plus	pt	4.82	6.0000	28.92	_____
Dual II Magnum	pt	13.15	1.0000	13.15	_____
Suprend	lb	10.48	1.2500	13.10	_____
Diuron 80%	lb	4.64	1.0000	4.64	_____
INSECTICIDES					
Acephate 90%	lb	7.97	0.7200	5.74	_____
Centric 40WG	oz	4.45	2.0000	8.90	_____
Trimax	oz	4.13	1.5000	6.20	_____
Karate Z	oz	3.09	2.0000	6.18	_____
Bidrin 8WM	oz	0.86	8.0000	6.88	_____
Orthene 90S	lb	8.50	0.5000	4.25	_____
IRRIGATION SUPPLIES					
Irrig pipe+lay+pick	acre	13.50	1.0000	13.50	_____
CROP SEED					
Cotton Seed BGRR	thous	0.54	48.0000	25.92	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
TECHNOLOGY FEE					
BGRR Cott Tech Fee S	thou	1.12	48.0000	54.20	_____
Eradication Fee	acre	8.00	1.0000	8.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.16	30.0000	4.80	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	6.00	1.0000	6.00	_____
Insect Scouting	acre	10.00	1.0000	10.00	_____
Cstm Ap Air Insect	acre	7.50	4.0000	30.00	_____
OPERATOR LABOR					
Tractors	hour	9.92	1.2432	12.34	_____
Self-Propelled	hour	9.92	0.3283	3.24	_____
IRRIGATION LABOR					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
HAND LABOR					
Implements	hour	8.60	0.4934	4.24	_____
Self-Propelled	hour	8.60	0.2930	2.54	_____
DIESEL FUEL					
Tractors	gal	2.60	11.1175	28.90	_____
Self-Propelled	gal	2.60	3.7827	9.84	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	10.37	1.0000	10.37	_____
Tractors	acre	3.99	1.0000	3.99	_____
Self-Propelled	acre	10.76	1.0000	10.76	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	14.61	1.0000	14.61	_____
TOTAL DIRECT EXPENSES				630.49	_____
FIXED EXPENSES					
Implements	acre	23.86	1.0000	23.86	_____
Tractors	acre	28.97	1.0000	28.97	_____
Self-Propelled	acre	49.90	1.0000	49.90	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				128.22	_____
TOTAL SPECIFIED EXPENSES				758.71	_____

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Scott Stiles
Extension Economist
 – Risk Management

Tom Barber
Assistant Professor
 – Cotton Agronomist

Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark., Furrow Irr., 8 Row, Conv. Till, BG/RR
 AG 1176, University of Arkansas, 2009.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	2.22	2.07	0.69	1.44	0.07	0.76				7.18
Heavy Disk	27'	MFWD 190	0.075	1.00	Feb	2.20	2.05	0.72	1.80	0.07	0.75				7.52
Cstm Ap Grd Fert	acre			1.00	Mar							1.0000	6.00	6.00	6.00
0-40-90-10-1	acre											1.0000	131.58	131.58	131.58
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar	1.36	1.26	0.32	1.61	0.04	0.46				5.01
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Apr	2.15	2.01	0.34	1.06	0.07	0.74				6.30
Row Cond Fld	26'	MFWD 190	0.059	1.00	Apr	1.74	1.62	0.22	1.11	0.05	0.59				5.28
Plant - Folding	8R-38	2WD 190	0.074	1.00	Apr	2.16	1.87	1.05	2.38	0.14	1.38				8.84
Cotton Seed BGRR	thous											48.0000	0.54	25.92	25.92
BGRR Cott Tech Fee	S thou											48.0000	1.12	54.20	54.20
Insecticide Seed Trt	thous											48.0000	0.18	8.90	8.90
Fungicide Seed Trt	thou											48.0000	0.15	7.29	7.29
Insect Scouting	acre			1.00	Apr							1.0000	10.00	10.00	10.00
Eradication Fee	acre			1.00	Apr							1.0000	8.00	8.00	8.00
Spin Spreader	5 ton	2WD 170	0.042	1.00	May	1.09	0.92	0.27	0.64	0.08	0.78				3.70
Urea, Solid (46% N)	lb.											109.0000	0.30	32.70	32.70
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25				1.20
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Dual II Magnum	pt											1.0000	13.15	13.15	13.15
Acephate 90%	lb											0.2200	7.97	1.75	1.75
Cult & Post	8R-38	2WD 170	0.086	1.00	May	2.24	1.90	0.60	1.86	0.13	1.23				7.83
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Suprend	lb											1.2500	10.48	13.10	13.10
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25				1.20
Mepiquat Chloride	oz											8.0000	0.16	1.28	1.28
Centric 40WG	oz											2.0000	4.45	8.90	8.90
Spin Spreader	5 ton	2WD 170	0.042	1.00	Jun	1.09	0.92	0.27	0.64	0.08	0.78				3.70
Urea, Solid (46% N)	lb.											109.0000	0.30	32.70	32.70
Spray (Direct/Hood)	8R-38	2WD 170	0.066	1.00	Jun	1.72	1.46	0.49	0.69	0.10	0.95				5.31
Diuron 80%	lb											1.0000	4.64	4.64	4.64
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Irrig pipe+lay+pick	acre			1.00	Jun							1.0000	13.50	13.50	13.50
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Trimax	oz											1.5000	4.13	6.20	6.20
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Acephate 90%	lb											0.5000	7.97	3.99	3.99
Mepiquat Chloride	oz											10.0000	0.16	1.60	1.60
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Karate Z	oz											2.0000	3.09	6.18	6.18
Bidrin 8WM	oz											8.0000	0.86	6.88	6.88
Cstm Ap Air Insect	acre			1.00	Aug							1.0000	7.50	7.50	7.50
Orthene 90S	lb											0.5000	8.50	4.25	4.25
Mepiquat Chloride	oz											12.0000	0.16	1.92	1.92
Sprayer(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25				1.20
Dropp SC	oz											1.6000	2.37	3.79	3.79
Def 6	pt											0.2500	6.75	1.69	1.69
Finish 6	pt											0.3125	7.61	2.38	2.38
Sprayer(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25				1.20
Aim 2EC	oz											0.6700	6.53	4.38	4.38

Prep	pt												2.0000	4.41	8.82	8.82
Cotton Picker-1st-BB		4R-38(255)	0.257	1.00	Oct	19.24	47.46			0.51	4.78					71.48
Boll Buggy-1st pick	4R-38(255)	2WD 170	0.257	1.00	Oct	6.63	5.63	1.68	4.06	0.25	2.56					20.56
Module Builder-1st	4R-38(255)	2WD 150	0.257	1.00	Oct	5.88	5.03	2.29	5.55	0.51	4.78					23.53
Stalk Shredder-Flail	20'	MFWD 190	0.082	1.00	Oct	2.41	2.23	1.43	1.02	0.08	0.82					7.91
Furrow Irr.	each			1.00	Jun					25.49			0.0083			25.49
Application 1	ac-in			1.00	Jun		8.36			0.07	0.65		3.0000			9.01
Application 2	ac-in			1.00	Jun		8.36			0.07	0.65		3.0000			9.01
Application 3	ac-in			1.00	Jun		8.36			0.07	0.65		3.0000			9.01
Application 4	ac-in			1.00	Jul		8.36			0.07	0.65		3.0000			9.01
Application 5	ac-in			1.00	Jul		8.36			0.07	0.65		3.0000			9.01
TOTALS						53.49	78.87	52.17	49.35	2.73	25.61				484.61	744.10
INTEREST ON OPERATING CAPITAL																14.61
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																758.71

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 named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.