

**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 12 Row, Stale Seedbed, BGII/LibertyLink**

AG-1180-11-08

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	2.0000	9.64	_____
Clarity	pt	10.87	0.5000	5.44	_____
Cotoran DF	lb	9.00	1.0000	9.00	_____
Ignite 280	pt	6.57	5.4375	35.72	_____
Dual II Magnum	pt	13.15	1.0000	13.15	_____
Suprend	lb	10.48	1.0000	10.48	_____
Valor SX	oz	4.43	2.0000	8.86	_____
INSECTICIDES					
Acephate 90%	lb	7.97	1.2200	9.72	_____
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	_____
IRRIGATION SUPPLIES					
Irrig pipe+lay+pick	acre	13.50	1.0000	13.50	_____
CROP SEED					
Cotton Seed BG2LL S	thous	1.04	48.0000	49.92	_____
Fung.+ Insect Trt S	thous	0.51	48.0000	24.48	_____
TECHNOLOGY FEE					
BGII/LL Tech S	thou	1.17	48.0000	56.40	_____
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	0.8610	8.55	_____
Self-Propelled	hour	9.92	0.2310	2.31	_____
IRRIGATION LABOR					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
HAND LABOR					
Implements	hour	8.60	0.3573	3.07	_____
Self-Propelled	hour	8.60	0.2016	1.73	_____
DIESEL FUEL					
Tractors	gal	2.60	8.4254	21.91	_____
Self-Propelled	gal	2.60	3.7090	9.62	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.69	1.0000	7.69	_____
Tractors	acre	3.13	1.0000	3.13	_____
Self-Propelled	acre	11.37	1.0000	11.37	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	16.30	1.0000	16.30	_____
TOTAL DIRECT EXPENSES				682.06	_____
FIXED EXPENSES					
Implements	acre	16.44	1.0000	16.44	_____
Tractors	acre	22.63	1.0000	22.63	_____
Self-Propelled	acre	53.39	1.0000	53.39	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				117.95	_____
TOTAL SPECIFIED EXPENSES				800.01	_____

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Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark, Furrow Irr, 12Row, Stale Seedbed, BG2LL
 AG 1180, 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-----				
Paratill & Bed Rigid Sprayer(600-825Gal)	6R-38	MFWD 225	0.107	1.00	Nov	3.73	3.61	0.69	1.44	0.10	1.07					10.54
Glyphosate Plus Clarity	pt	90'	0.011	1.00	Mar	0.43	0.89			0.01	0.17					1.49
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Mar	1.72	1.65	0.31	0.95	0.04	0.49					5.12
Cstm Ap Grd Fert 0-40-90-10-1	acre			1.00	Mar							1.0000	6.00	6.00		6.00
Row Cond Fld Plant - Folding	38'	MFWD 225	0.040	1.00	Apr	1.42	1.37	0.18	0.89	0.04	0.41					4.27
Cotton Seed BG2LL S BGII/LL Tech S	S thou	MFWD 225	0.049	1.00	Apr	1.72	1.66	0.93	2.11	0.09	0.92	48.0000	1.04	49.92		49.92
Fung.+ Insect Trt S Cotoran DF	S thou											48.0000	1.17	56.40		56.40
Insect Scouting Eradication Fee	acre			1.00	Apr							1.0000	9.00	9.00		9.00
Spin Spreader Urea, Solid (46% N)	5 ton	2WD 170	0.042	1.00	May	1.09	0.92	0.27	0.64	0.08	0.78	1.0000	10.00	10.00		10.00
Sprayer(600-825Gal)	lb.											109.0000	0.30	32.70		32.70
Ignite 280 Dual II Magnum	pt	90'	0.011	1.00	May	0.43	0.89			0.01	0.17					1.49
Acephate 90%	lb											1.8125	6.57	11.91		11.91
Sprayer(600-825Gal)	pt	90'	0.011	1.00	May	0.43	0.89			0.01	0.17	1.0000	13.15	13.15		13.15
Ignite 280 Centric 40WG	oz											0.2200	7.97	1.75		1.75
Mepiquat Chloride	oz											8.0000	0.16	1.28		1.28
Spin Spreader Urea, Solid (46% N)	5 ton	2WD 170	0.042	1.00	Jun	1.09	0.92	0.27	0.64	0.08	0.78	109.0000	0.30	32.70		32.70
Cult & Post Suprend	12R-38	2WD 190	0.057	1.00	Jun	1.67	1.46	0.57	1.77	0.08	0.82					6.29
Spray (Direct/Hood)	lb											1.0000	10.48	10.48		10.48
Ignite 280 Valor SX	pt	2WD 190	0.044	1.00	Jun	1.28	1.12	0.39	0.56	0.06	0.63					3.98
Irrig pipe+lay+pick	acre			1.00	Jun							1.8125	6.57	11.91		11.91
Cstm Ap Air Insect Trimax	acre			1.00	Jul							2.0000	4.43	8.86		8.86
Cstm Ap Air Insect Acephate 90%	acre			1.00	Jul							1.0000	13.50	13.50		13.50
Mepiquat Chloride	oz											1.0000	7.50	7.50		7.50
Cstm Ap Air Insect Karate Z	acre			1.00	Jul							1.5000	4.13	6.20		6.20
Bidrin 8WM	oz											1.0000	7.50	7.50		7.50
Cstm Ap Air Insect Acephate 90%	acre			1.00	Jul							1.0000	7.50	7.50		7.50
Mepiquat Chloride	oz											0.5000	7.97	3.99		3.99
Sprayer(600-825Gal)	lb											10.0000	0.16	1.60		1.60
Dropp SC Def 6	oz	90'	0.011	1.00	Sep	0.43	0.89			0.01	0.17	1.0000	7.50	7.50		7.50
Finish 6	pt											0.5000	7.97	3.99		3.99
	pt											12.0000	0.16	1.92		1.92
	pt											1.6000	2.37	3.79		3.79
	pt											0.2500	6.75	1.69		1.69
	pt											0.3125	7.61	2.38		2.38

Sprayer(600-825Gal)	90'	0.011	1.00	Sep	0.43	0.89			0.01	0.17			1.49	
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	6R-38(330)	0.172	1.00	Oct	18.84	48.94			0.34	3.19				70.97
Boll Buggy-1st pick	6R-38(330) 2WD 190	0.172	1.00	Oct	4.97	4.33	1.12	2.71	0.17	1.71				14.84
Module Builder-1st	6R-38(330) 2WD 150	0.172	1.00	Oct	3.94	3.36	1.53	3.71	0.34	3.19				15.73
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	Jul			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	Aug			8.36		0.07	0.65	3.0000			9.01
TOTALS					46.03	76.02	49.49	41.93	2.02	18.91			551.33	783.71
INTEREST ON OPERATING CAPITAL														16.30
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														800.01

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