

**Estimating 2009 Costs of Production, Cotton  
 Southern Arkansas, Furrow Irrigated, 12 Row, No-Till, BGII/RRFlex**

**AG-1181-11-08**

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	10.0000	48.20	_____
Clarity	pt	10.87	0.5000	5.44	_____
Reflex 2LC	pt	13.34	1.0000	13.34	_____
Dual II Magnum	pt	13.15	1.0000	13.15	_____
Diuron 80%	lb	4.64	1.0000	4.64	_____
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 BG11RRF	thous	0.58	48.0000	27.84	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
TECHNOLOGY FEE					
BGII/RRF Tech S	thou	1.45	48.0000	69.68	_____
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	0.6075	6.03	_____
Self-Propelled	hour	9.92	0.2545	2.55	_____
IRRIGATION LABOR					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
HAND LABOR					
Implements	hour	8.60	0.3304	2.83	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
DIESEL FUEL					
Tractors	gal	2.60	5.5931	14.55	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.09	1.0000	6.09	_____
Tractors	acre	2.03	1.0000	2.03	_____
Self-Propelled	acre	11.61	1.0000	11.61	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	15.27	1.0000	15.27	_____
TOTAL DIRECT EXPENSES				644.79	_____
FIXED EXPENSES					
Implements	acre	11.72	1.0000	11.72	_____
Tractors	acre	14.61	1.0000	14.61	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				106.99	_____
TOTAL SPECIFIED EXPENSES				751.78	_____

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Table 2. Estimated resource use and costs for field operations, per acre  
 Southern Ark., Furrow Irr., 12 Row, No-Till, BG2RRF  
 AG 1181, 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-----			
Sprayer( 600-825Gal)		90'	0.011	1.00	Mar	0.43	0.89			0.01	0.17				1.49
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Clarity	pt											0.5000	10.87	5.44	5.44
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
Sprayer( 600-825Gal)		90'	0.011	1.00	Apr	0.43	0.89			0.01	0.17				1.49
Reflex 2LC	pt											1.0000	13.34	13.34	13.34
NT Plant-Folding	12R-38	MFWD 225	0.051	1.00	Apr	1.80	1.73	1.08	2.44	0.10	0.95				8.00
Cotton Seed BG11RRF	thous											48.0000	0.58	27.84	27.84
BGII/RRF Tech S	thou											48.0000	1.45	69.68	69.68
Fungicide Seed Trt	thou											48.0000	0.15	7.29	7.29
Insecticide Seed Trt	thous											48.0000	0.18	8.90	8.90
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( 600-825Gal)		90'	0.011	1.00	May	0.43	0.89			0.01	0.17				1.49
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Sprayer( 600-825Gal)		90'	0.011	1.00	May	0.43	0.89			0.01	0.17				1.49
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
Sprayer( 600-825Gal)		90'	0.011	1.00	May	0.43	0.89			0.01	0.17				1.49
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Centric 40WG	oz											2.0000	4.45	8.90	8.90
Mepiquat Chloride	oz											8.0000	0.16	1.28	1.28
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)	12R-38	2WD 190	0.044	1.00	Jun	1.28	1.12	0.39	0.56	0.06	0.63				3.98
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	Jul							1.0000	7.50	7.50	7.50
Acephate 90%	lb											0.5000	7.97	3.99	3.99
Mepiquat Chloride	oz											12.0000	0.16	1.92	1.92
Sprayer( 600-825Gal)		90'	0.011	1.00	Sep	0.43	0.89			0.01	0.17				1.49
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( 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					38.43	69.78	47.89	37.21	1.78	16.49			526.71	736.51
INTEREST ON OPERATING CAPITAL														15.27
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														751.78

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