

**Estimating 2009 Costs of Production, Cotton  
 Northern Arkansas, Furrow, 12 Row, Stale Seedbed, BGII/Liberty Link**

**AG-1192-11-08**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>HARVEST AIDS</b>					
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	_____
<b>FERTILIZERS</b>					
0-40-90-10-1	acre	131.58	1.0000	131.58	_____
Urea, Solid (46% N)	lb.	0.30	218.0000	65.40	_____
<b>HERBICIDES</b>					
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	_____
<b>INSECTICIDES</b>					
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	_____
<b>IRRIGATION SUPPLIES</b>					
Irrig pipe+lay+pick	acre	13.50	1.0000	13.50	_____
<b>CROP SEED</b>					
Cotton Seed BG2LL N	thous	0.99	48.0000	47.52	_____
Fung.+ Insect Trt N	thous	0.50	48.0000	24.00	_____
<b>TECHNOLOGY FEE</b>					
BGII/LL Tech N	thou	1.05	48.0000	50.40	_____
Eradication Fee	acre	8.00	1.0000	8.00	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	oz	0.16	30.0000	4.80	_____
<b>CUSTOM HIRE</b>					
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	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.92	0.8610	8.55	_____
Self-Propelled	hour	9.92	0.2310	2.31	_____
<b>IRRIGATION LABOR</b>					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
<b>HAND LABOR</b>					
Implements	hour	8.60	0.3573	3.07	_____
Self-Propelled	hour	8.60	0.2016	1.73	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.60	8.4390	21.94	_____
Self-Propelled	gal	2.60	3.7090	9.62	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.69	1.0000	7.69	_____
Tractors	acre	3.14	1.0000	3.14	_____
Self-Propelled	acre	11.37	1.0000	11.37	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	16.07	1.0000	16.07	_____
<b>TOTAL DIRECT EXPENSES</b>				672.99	_____
<b>FIXED EXPENSES</b>					
Implements	acre	16.44	1.0000	16.44	_____
Tractors	acre	22.83	1.0000	22.83	_____
Self-Propelled	acre	53.39	1.0000	53.39	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
<b>TOTAL FIXED EXPENSES</b>				118.15	_____
<b>TOTAL SPECIFIED EXPENSES</b>				791.14	_____

1/ Boll Weevil Eradication Fee: \$14/acre in Northeast Delta Zone.

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**Table 2.** Estimated resource use and costs for field operations, per acre  
Northern Ark, Furrow Irr, 12Row, Stale Seedbed, BG2LL  
AG 1192,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	38'	MFWD 225	0.040	1.00	Apr	1.42	1.37	0.18	0.89	0.04	0.41					4.27
Plant - Folding	12R-38	MFWD 225	0.049	1.00	Apr	1.72	1.66	0.93	2.11	0.09	0.92					7.34
Cotton Seed BG2LL N	thous											48.0000	0.99	47.52		47.52
BGII/LL Tech N	thou											48.0000	1.05	50.40		50.40
Fung.+ Insect Trt N	thous											48.0000	0.50	24.00		24.00
Cotoran DF	lb											1.0000	9.00	9.00		9.00
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 190	0.042	1.00	May	1.21	1.06	0.27	0.64	0.08	0.78					3.96
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
Ignite 280	pt											1.8125	6.57	11.91		11.91
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
Ignite 280	pt											1.8125	6.57	11.91		11.91
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 190	0.042	1.00	Jun	1.21	1.06	0.27	0.64	0.08	0.78					3.96
Urea, Solid (46% N)	lb.											109.0000	0.30	32.70		32.70
Cult & Post	12R-38	MFWD 225	0.057	1.00	Jun	2.01	1.94	0.57	1.77	0.08	0.82					7.11
Suprend	lb											1.0000	10.48	10.48		10.48
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
Ignite 280	pt											1.8125	6.57	11.91		11.91
Valor SX	oz											2.0000	4.43	8.86		8.86
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
Prep	pt										2.0000	4.41	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 170	0.172	1.00	Oct	4.43	3.77	1.12	2.71	0.17	1.71			13.74
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					46.07	76.22	49.49	41.93	2.02	18.91		542.45	775.07
INTEREST ON OPERATING CAPITAL													16.07
UNALLOCATED LABOR													0.00
TOTAL SPECIFIED COST													791.14

1/ Boll Weevil Eradication Fee: \$14/acre in Northeast Delta Zone.

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.

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