

**Estimating 2009 Costs of Production, Cotton  
 Northern Arkansas, Center Pivot, 12 Row, No-Till, BGII/RRFlex**

**AG-1188-11-08**

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	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	_____
<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>CROP SEED</b>					
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	_____
<b>TECHNOLOGY FEE</b>					
BGII/RRF Tech N	thous	1.17	48.0000	56.24	_____
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	0.6075	6.03	_____
Self-Propelled	hour	9.92	0.2545	2.55	_____
<b>IRRIGATION LABOR</b>					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
<b>HAND LABOR</b>					
Implements	hour	8.60	0.3304	2.83	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.60	5.5023	14.31	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.09	1.0000	6.09	_____
Tractors	acre	1.97	1.0000	1.97	_____
Self-Propelled	acre	11.61	1.0000	11.61	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
INTEREST ON OP. CAP.	acre	14.66	1.0000	14.66	_____
<b>TOTAL DIRECT EXPENSES</b>				619.21	_____
<b>FIXED EXPENSES</b>					
Implements	acre	11.72	1.0000	11.72	_____
Tractors	acre	14.33	1.0000	14.33	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
<b>TOTAL FIXED EXPENSES</b>				150.92	_____
<b>TOTAL SPECIFIED EXPENSES</b>				770.13	_____

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., Center Pivot, 12 Row, No-Till, BG2RRF  
AG 1188, 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
BG11/RRF Tech N	thous											48.0000	1.17	56.24	56.24
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 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
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 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
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
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 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	
Center pivot Irr.	each			1.00	Jun				69.70			69.70	
Application 1	ac-in			1.00	Jun		6.69		0.00	0.07	1.0000	6.76	
Application 2	ac-in			1.00	Jun		6.69		0.00	0.07	1.0000	6.76	
Application 3	ac-in			1.00	Jun		6.69		0.00	0.07	1.0000	6.76	
Application 4	ac-in			1.00	Jul		6.69		0.00	0.07	1.0000	6.76	
Application 5	ac-in			1.00	Jul		6.69		0.00	0.07	1.0000	6.76	
Application 6	ac-in			1.00	Jul		6.69		0.00	0.07	1.0000	6.76	
Application 7	ac-in			1.00	Aug		6.69		0.00	0.07	1.0000	6.76	
TOTALS						38.13	69.50	52.92	81.42	1.46	13.73	499.77	755.47
INTEREST ON OPERATING CAPITAL												14.66	
UNALLOCATED LABOR												0.00	
TOTAL SPECIFIED COST												770.13	

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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