

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

AG-1185-11-08

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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	_____
CROP SEED					
Cotton Seed BG2LL N	thous	0.99	48.0000	47.52	_____
Fung.+ Insect Trt N	thous	0.50	48.0000	24.00	_____
TECHNOLOGY FEE					
BGII/LL Tech N	thou	1.05	48.0000	50.40	_____
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					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
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	8.4390	21.94	_____
Self-Propelled	gal	2.60	3.7090	9.62	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
REPAIR & MAINTENANCE					
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	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
INTEREST ON OP. CAP.	acre	15.86	1.0000	15.86	_____
TOTAL DIRECT EXPENSES				661.55	_____
FIXED EXPENSES					
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	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
TOTAL FIXED EXPENSES				162.36	_____
TOTAL SPECIFIED EXPENSES				823.91	_____

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, 12Row, Stale Seedbed, BG2LL
 AG 1185, 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
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		0.0076			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	Jul			6.69		0.00	0.07	1.0000			6.76
TOTALS					46.07	76.22	54.52	86.14	1.70	16.15			528.95	808.05
INTEREST ON OPERATING CAPITAL														15.86
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														823.91

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

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