

**Estimating 2009 Costs of Production, Cotton  
 Northern Arkansas, Center Pivot, 12 Row, Stale Seedbed, BG/RR**

**AG-1184-11-08**

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	8.0000	38.56	_____
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	_____
Suprend	lb	10.48	1.2500	13.10	_____
Diuron 80%	lb	4.64	1.0000	4.64	_____
<b>INSECTICIDES</b>					
Acephate 90%	lb	7.97	0.7200	5.74	_____
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	_____
Orthene 90S	lb	8.50	0.5000	4.25	_____
<b>CROP SEED</b>					
Cotton Seed BGRR	thous	0.54	48.0000	25.92	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
<b>TECHNOLOGY FEE</b>					
BGRR Cott Tech Fee N	thou	0.87	48.0000	41.93	_____
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	0.2428	2.43	_____
<b>IRRIGATION LABOR</b>					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
<b>HAND LABOR</b>					
Implements	hour	8.60	0.3573	3.07	_____
Self-Propelled	hour	8.60	0.2075	1.78	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.60	8.4390	21.94	_____
Self-Propelled	gal	2.60	3.8300	9.93	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.69	1.0000	7.69	_____
Tractors	acre	3.14	1.0000	3.14	_____
Self-Propelled	acre	11.49	1.0000	11.49	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
INTEREST ON OP. CAP.	acre	14.70	1.0000	14.70	_____
<b>TOTAL DIRECT EXPENSES</b>				619.30	_____
<b>FIXED EXPENSES</b>					
Implements	acre	16.44	1.0000	16.44	_____
Tractors	acre	22.83	1.0000	22.83	_____
Self-Propelled	acre	54.28	1.0000	54.28	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
<b>TOTAL FIXED EXPENSES</b>				163.25	_____
<b>TOTAL SPECIFIED EXPENSES</b>				782.55	_____

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, BG/RR  
AG 1184,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
		90'	0.011	1.00	Mar	0.43	0.89			0.01	0.17				1.49
Glyphosate Plus Clarity	pt pt											2.0000	4.82	9.64	9.64
												0.5000	10.87	5.44	5.44
Cstm Ap Grd Fert 0-40-90-10-1	acre acre			1.00	Mar							1.0000	6.00	6.00	6.00
												1.0000	131.58	131.58	131.58
Disk Bed (Hipper) Sprayer( 600-825Gal)	12R-38	MFWD 225	0.049	1.00	Apr	1.72	1.65	0.31	0.95	0.04	0.49				5.12
		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
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 BGRR	thous											48.0000	0.54	25.92	25.92
BGRR Cott Tech Fee N	thou											48.0000	0.87	41.93	41.93
Insecticide Seed Trt	thous											48.0000	0.18	8.90	8.90
Fungicide Seed Trt	thou											48.0000	0.15	7.29	7.29
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 Dual II Magnum	pt pt											2.0000	4.82	9.64	9.64
												1.0000	13.15	13.15	13.15
Acephate 90%	lb											0.2200	7.97	1.75	1.75
Cult & Post	12R-38	MFWD 225	0.057	1.00	May	2.01	1.94	0.57	1.77	0.08	0.82				7.11
Glyphosate Plus Suprend	pt lb											2.0000	4.82	9.64	9.64
												1.2500	10.48	13.10	13.10
Sprayer( 600-825Gal)		90'	0.011	1.00	May	0.43	0.89			0.01	0.17				1.49
Mepiquat Chloride Centric 40WG	oz oz											8.0000	0.16	1.28	1.28
												2.0000	4.45	8.90	8.90
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 Trimax	acre oz			1.00	Jul							1.0000	7.50	7.50	7.50
												1.5000	4.13	6.20	6.20
Cstm Ap Air Insect Acephate 90%	acre lb			1.00	Jul							1.0000	7.50	7.50	7.50
												0.5000	7.97	3.99	3.99
Mepiquat Chloride	oz											10.0000	0.16	1.60	1.60
Cstm Ap Air Insect Karate Z	acre oz			1.00	Jul							1.0000	7.50	7.50	7.50
												2.0000	3.09	6.18	6.18
Bidrin 8WM	oz											8.0000	0.86	6.88	6.88
Cstm Ap Air Insect Orthene 90S	acre lb			1.00	Aug							1.0000	7.50	7.50	7.50
												0.5000	8.50	4.25	4.25
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					46.50	77.11	54.52	86.14	1.72	16.32			487.26	767.85
INTEREST ON OPERATING CAPITAL														14.70
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														782.55

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

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