

**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Non-Irrigated, 8 Row, Stale Seedbed, Roundup Ready Flex**

AG-1172-11-08

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Dropp SC	oz	2.37	1.6000	3.79	_____
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	174.0000	52.20	_____
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	4.0000	12.36	_____
Tracer	oz	6.58	4.2600	28.03	_____
Bidrin 8WM	oz	0.86	8.0000	6.88	_____
CROP SEED					
Cotton Seed RRF	thous	0.58	48.0000	27.84	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
TECHNOLOGY FEE					
RR Flex Tech Fee S	thous	1.00	48.0000	48.00	_____
Eradication Fee	acre	8.00	1.0000	8.00	_____
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	5.0000	37.50	_____
OPERATOR LABOR					
Tractors	hour	9.92	1.0763	10.69	_____
Self-Propelled	hour	9.92	0.3635	3.58	_____
HAND LABOR					
Implements	hour	8.60	0.4078	3.51	_____
Self-Propelled	hour	8.60	0.3106	2.70	_____
DIESEL FUEL					
Tractors	gal	2.60	9.6176	25.00	_____
Self-Propelled	gal	2.60	3.9824	10.36	_____
REPAIR & MAINTENANCE					
Implements	acre	8.42	1.0000	8.42	_____
Tractors	acre	3.46	1.0000	3.46	_____
Self-Propelled	acre	10.92	1.0000	10.92	_____
INTEREST ON OP. CAP.	acre	14.32	1.0000	14.32	_____
TOTAL DIRECT EXPENSES				599.76	_____
FIXED EXPENSES					
Implements	acre	17.86	1.0000	17.86	_____
Tractors	acre	25.12	1.0000	25.12	_____
Self-Propelled	acre	51.12	1.0000	51.12	_____
TOTAL FIXED EXPENSES				94.10	_____
TOTAL SPECIFIED EXPENSES				693.86	_____

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**Table 2. Estimated resource use and costs for field operations, per acre
Southern Ark., Non-Irrigated, 8 Row, Stale Seedbed, RRF.
AG-1172, 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(300-450Gal)	4R-38	MFWD 190	0.160	1.00	Nov	4.68	4.35	0.65	1.35	0.16	1.60					12.63
		60'	0.017	1.00	Mar	0.34	0.61			0.02	0.25					1.20
Glyphosate Plus Clarity	pt pt											2.0000	4.82	9.64		9.64
												0.5000	10.87	5.44		5.44
Disk Bed (Hipper)Fld Cstm Ap Grd Fert	8R-38 acre	MFWD 190	0.074	1.00	Mar	2.15	2.01	0.34	1.06	0.07	0.74					6.30
0-40-90-10-1 Sprayer(300-450Gal)	acre 60'				Mar							1.0000	6.00	6.00		6.00
					Mar							1.0000	131.58	131.58		131.58
Reflex 2LC	pt				Apr	0.34	0.61			0.02	0.25					1.20
					Apr							1.0000	13.34	13.34		13.34
Row Cond Fld Plant - Folding	26' 8R-38	MFWD 190	0.059	1.00	Apr	1.74	1.62	0.22	1.11	0.05	0.59					5.28
		2WD 190	0.074	1.00	Apr	2.16	1.87	1.05	2.38	0.14	1.38					8.84
Cotton Seed RRF	thous											48.0000	0.58	27.84		27.84
RR Flex Tech Fee S	thous											48.0000	1.00	48.00		48.00
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 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.											174.0000	0.30	52.20		52.20
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
Glyphosate Plus	pt											2.0000	4.82	9.64		9.64
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
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(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
Glyphosate Plus	pt											2.0000	4.82	9.64		9.64
Centric 40WG	oz											2.0000	4.45	8.90		8.90
Spray (Direct/Hood)	8R-38	2WD 170	0.066	1.00	Jun	1.72	1.46	0.49	0.69	0.10	0.95					5.31
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
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
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
Tracer	oz											2.1300	6.58	14.02		14.02
Bidrin 8WM	oz											8.0000	0.86	6.88		6.88
Cstm Ap Air Insect	acre			1.00	Aug							1.0000	7.50	7.50		7.50
Karate Z	oz											2.0000	3.09	6.18		6.18
Tracer	oz											2.1300	6.58	14.02		14.02
Sprayer(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25					1.20
Dropp SC	oz											1.6000	2.37	3.79		3.79
Prep	pt											2.0000	4.41	8.82		8.82
Cotton Picker-1st-BB		4R-38(255)	0.257	1.00	Oct	19.24	47.46			0.51	4.78					71.48
Boll Buggy-1st pick	4R-38(255)	2WD 170	0.257	1.00	Oct	6.63	5.63	1.68	4.06	0.25	2.56					20.56

Module Builder-1st	4R-38(255)	2WD 150	0.257	1.00	Oct	5.88	5.03	2.29	5.55	0.51	4.78	23.53	
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	
						-----	-----	-----	-----	-----	-----	-----	
TOTALS						49.74	76.24	8.42	17.86	2.15	20.48	506.80	679.54
INTEREST ON OPERATING CAPITAL												14.32	
UNALLOCATED LABOR												0.00	
TOTAL SPECIFIED COST												693.86	

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.

**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Center Pivot, 8 Row, Conventional Till, Roundup Ready Flex**

AG-1173-11-08

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	8.0000	38.56	_____
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	4.0000	12.36	_____
Tracer	oz	6.58	4.2600	28.03	_____
Bidrin 8WM	oz	0.86	8.0000	6.88	_____
CROP SEED					
Cotton Seed RRF	thous	0.58	48.0000	27.84	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
TECHNOLOGY FEE					
RR Flex Tech Fee S	thous	1.00	48.0000	48.00	_____
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	5.0000	37.50	_____
OPERATOR LABOR					
Tractors	hour	9.92	1.1562	11.48	_____
Self-Propelled	hour	9.92	0.3459	3.41	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
HAND LABOR					
Implements	hour	8.60	0.4499	3.87	_____
Self-Propelled	hour	8.60	0.3018	2.62	_____
DIESEL FUEL					
Tractors	gal	2.60	10.3566	26.92	_____
Self-Propelled	gal	2.60	3.8825	10.10	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
REPAIR & MAINTENANCE					
Implements	acre	9.77	1.0000	9.77	_____
Tractors	acre	3.73	1.0000	3.73	_____
Self-Propelled	acre	10.84	1.0000	10.84	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
INTEREST ON OP. CAP.	acre	14.66	1.0000	14.66	_____
TOTAL DIRECT EXPENSES				649.55	_____
FIXED EXPENSES					
Implements	acre	22.00	1.0000	22.00	_____
Tractors	acre	27.07	1.0000	27.07	_____
Self-Propelled	acre	50.51	1.0000	50.51	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
TOTAL FIXED EXPENSES				169.28	_____
TOTAL SPECIFIED EXPENSES				818.83	_____

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Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark., Center Pivot, 8 Row, Conv. Till, RRF
 AG 1173, 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-----				
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	2.22	2.07	0.69	1.44	0.07	0.76					7.18
Heavy Disk	27'	MFWD 190	0.075	1.00	Feb	2.20	2.05	0.72	1.80	0.07	0.75					7.52
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
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar	1.36	1.26	0.32	1.61	0.04	0.46					5.01
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Apr	2.15	2.01	0.34	1.06	0.07	0.74					6.30
Row Cond Fld	26'	MFWD 190	0.059	1.00	Apr	1.74	1.62	0.22	1.11	0.05	0.59					5.28
Plant - Folding	8R-38	2WD 190	0.074	1.00	Apr	2.16	1.87	1.05	2.38	0.14	1.38					8.84
Cotton Seed RRF	thous											48.0000	0.58	27.84		27.84
RR Flex Tech Fee S	thous											48.0000	1.00	48.00		48.00
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 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(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
Glyphosate Plus	pt											2.0000	4.82	9.64		9.64
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
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(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
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)	8R-38	2WD 170	0.066	1.00	Jun	1.72	1.46	0.49	0.69	0.10	0.95					5.31
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
Acephate 90%	lb											0.5000	7.97	3.99		3.99
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50		7.50
Mepiquat Chloride	oz											12.0000	0.16	1.92		1.92
Karate Z	oz											2.0000	3.09	6.18		6.18
Tracer	oz											2.1300	6.58	14.02		14.02
Bidrin 8WM	oz											8.0000	0.86	6.88		6.88
Cstm Ap Air Insect	acre			1.00	Aug							1.0000	7.50	7.50		7.50
Karate Z	oz											2.0000	3.09	6.18		6.18
Tracer	oz											2.1300	6.58	14.02		14.02

Sprayer(300-450Gal)	60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25			1.20	
Dropp SC	oz										1.6000	2.37	3.79	
Def 6	pt										0.2500	6.75	1.69	
Finish 6	pt										0.3125	7.61	2.38	
Sprayer(300-450Gal)	60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25			1.20	
Aim 2EC	oz										0.6700	6.53	4.38	
Prep	pt										2.0000	4.41	8.82	
Cotton Picker-1st-BB	4R-38(255)	0.257	1.00	Oct	19.24	47.46			0.51	4.78			71.48	
Boll Buggy-1st pick	4R-38(255) 2WD 170	0.257	1.00	Oct	6.63	5.63	1.68	4.06	0.25	2.56			20.56	
Module Builder-1st	4R-38(255) 2WD 150	0.257	1.00	Oct	5.88	5.03	2.29	5.55	0.51	4.78			23.53	
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							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					51.59	77.58	56.60	91.70	2.31	21.87			504.83	804.17
INTEREST ON OPERATING CAPITAL														14.66
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														818.83

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Center Pivot, 8 Row, Conventional Till, BG/RR**

AG-1174-11-08

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	6.0000	28.92	_____
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	_____
INSECTICIDES					
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	_____
CROP SEED					
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	_____
TECHNOLOGY FEE					
BGRR Cott Tech Fee S	thou	1.12	48.0000	54.20	_____
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	1.2432	12.34	_____
Self-Propelled	hour	9.92	0.3283	3.24	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
HAND LABOR					
Implements	hour	8.60	0.4934	4.24	_____
Self-Propelled	hour	8.60	0.2930	2.54	_____
DIESEL FUEL					
Tractors	gal	2.60	11.1175	28.90	_____
Self-Propelled	gal	2.60	3.7827	9.84	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
REPAIR & MAINTENANCE					
Implements	acre	10.37	1.0000	10.37	_____
Tractors	acre	3.99	1.0000	3.99	_____
Self-Propelled	acre	10.76	1.0000	10.76	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
INTEREST ON OP. CAP.	acre	14.32	1.0000	14.32	_____
TOTAL DIRECT EXPENSES				618.97	_____
FIXED EXPENSES					
Implements	acre	23.86	1.0000	23.86	_____
Tractors	acre	28.97	1.0000	28.97	_____
Self-Propelled	acre	49.90	1.0000	49.90	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
TOTAL FIXED EXPENSES				172.43	_____
TOTAL SPECIFIED EXPENSES				791.40	_____

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Scott Stiles
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– Risk Management

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Assistant Professor
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Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark., Center Pivot, 8 Row, Conv. Till, BG/RR
 AG 1174, 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-----				
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	2.22	2.07	0.69	1.44	0.07	0.76					7.18
Heavy Disk	27'	MFWD 190	0.075	1.00	Feb	2.20	2.05	0.72	1.80	0.07	0.75					7.52
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
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar	1.36	1.26	0.32	1.61	0.04	0.46					5.01
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Apr	2.15	2.01	0.34	1.06	0.07	0.74					6.30
Row Cond Fld	26'	MFWD 190	0.059	1.00	Apr	1.74	1.62	0.22	1.11	0.05	0.59					5.28
Plant - Folding	8R-38	2WD 190	0.074	1.00	Apr	2.16	1.87	1.05	2.38	0.14	1.38					8.84
Cotton Seed BGRR	thous											48.0000	0.54	25.92		25.92
BGRR Cott Tech Fee	S thou											48.0000	1.12	54.20		54.20
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 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(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
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
Cult & Post	8R-38	2WD 170	0.086	1.00	May	2.24	1.90	0.60	1.86	0.13	1.23					7.83
Glyphosate Plus	pt											2.0000	4.82	9.64		9.64
Suprend	lb											1.2500	10.48	13.10		13.10
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
Mepiquat Chloride	oz											8.0000	0.16	1.28		1.28
Centric 40WG	oz											2.0000	4.45	8.90		8.90
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)	8R-38	2WD 170	0.066	1.00	Jun	1.72	1.46	0.49	0.69	0.10	0.95					5.31
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	Aug							1.0000	7.50	7.50		7.50
Orthene 90S	lb											0.5000	8.50	4.25		4.25
Mepiquat Chloride	oz											12.0000	0.16	1.92		1.92
Sprayer(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25					1.20
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(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25					1.20
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	4R-38(255)	0.257	1.00	Oct	19.24	47.46			0.51	4.78		71.48	
Boll Buggy-1st pick	4R-38(255)	2WD 170	0.257	1.00	Oct	6.63	5.63	1.68	4.06	0.25	2.56	20.56	
Module Builder-1st	4R-38(255)	2WD 150	0.257	1.00	Oct	5.88	5.03	2.29	5.55	0.51	4.78	23.53	
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	Jul		6.69			0.00	0.07	1.0000	6.76	
TOTALS					53.49	78.87	57.20	93.56	2.41	22.85		471.11	777.08
INTEREST ON OPERATING CAPITAL													14.32
UNALLOCATED LABOR													0.00
TOTAL SPECIFIED COST													791.40

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Center Pivot, 12 Row, Stale Seedbed, BGII/RRFlex**

AG-1175-11-08

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	_____
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	0.8032	7.98	_____
Self-Propelled	hour	9.92	0.2545	2.55	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
HAND LABOR					
Implements	hour	8.60	0.3283	2.82	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
DIESEL FUEL					
Tractors	gal	2.60	7.8593	20.44	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
REPAIR & MAINTENANCE					
Implements	acre	7.12	1.0000	7.12	_____
Tractors	acre	2.93	1.0000	2.93	_____
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	15.40	1.0000	15.40	_____
TOTAL DIRECT EXPENSES				643.45	_____
FIXED EXPENSES					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	21.17	1.0000	21.17	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Center pivot Irr.	each	9060.48	0.0076	69.70	_____
TOTAL FIXED EXPENSES				160.71	_____
TOTAL SPECIFIED EXPENSES				804.16	_____

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University of Arkansas, United States Department of Agriculture and County Governments cooperating

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 – Risk Management

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Assistant Professor
 – Cotton Agronomist

Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark, Center Pivot, 12Row, Stale Seedbed,BG2RRF
 AG 1175, 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											2.0000	4.82	9.64	9.64
	pt											0.5000	10.87	5.44	5.44
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
Sprayer(600-825Gal)	acre											1.0000	131.58	131.58	131.58
Reflex 2LC	pt	90'	0.011	1.00	Apr	0.43	0.89			0.01	0.17				1.49
												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 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
Cstm Ap Air Insect Trimax	acre			1.00	Jul							1.0000	7.50	7.50	7.50
	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 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
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	Jul		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					45.22	76.34	53.95	84.37	1.65	15.67		513.21	788.76
INTEREST ON OPERATING CAPITAL													15.40
UNALLOCATED LABOR													0.00
TOTAL SPECIFIED COST													804.16

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 8 Row, Conventional Tillage, BG/RR**

AG-1176-11-08

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	6.0000	28.92	_____
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	_____
INSECTICIDES					
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	_____
IRRIGATION SUPPLIES					
Irrig pipe+lay+pick	acre	13.50	1.0000	13.50	_____
CROP SEED					
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	_____
TECHNOLOGY FEE					
BGRR Cott Tech Fee S	thou	1.12	48.0000	54.20	_____
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	1.2432	12.34	_____
Self-Propelled	hour	9.92	0.3283	3.24	_____
IRRIGATION LABOR					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
HAND LABOR					
Implements	hour	8.60	0.4934	4.24	_____
Self-Propelled	hour	8.60	0.2930	2.54	_____
DIESEL FUEL					
Tractors	gal	2.60	11.1175	28.90	_____
Self-Propelled	gal	2.60	3.7827	9.84	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	10.37	1.0000	10.37	_____
Tractors	acre	3.99	1.0000	3.99	_____
Self-Propelled	acre	10.76	1.0000	10.76	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	14.61	1.0000	14.61	_____
TOTAL DIRECT EXPENSES				630.49	_____
FIXED EXPENSES					
Implements	acre	23.86	1.0000	23.86	_____
Tractors	acre	28.97	1.0000	28.97	_____
Self-Propelled	acre	49.90	1.0000	49.90	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				128.22	_____
TOTAL SPECIFIED EXPENSES				758.71	_____

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Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark., Furrow Irr., 8 Row, Conv. Till, BG/RR
 AG 1176, 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-----				
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	2.22	2.07	0.69	1.44	0.07	0.76					7.18
Heavy Disk	27'	MFWD 190	0.075	1.00	Feb	2.20	2.05	0.72	1.80	0.07	0.75					7.52
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
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar	1.36	1.26	0.32	1.61	0.04	0.46					5.01
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Apr	2.15	2.01	0.34	1.06	0.07	0.74					6.30
Row Cond Fld	26'	MFWD 190	0.059	1.00	Apr	1.74	1.62	0.22	1.11	0.05	0.59					5.28
Plant - Folding	8R-38	2WD 190	0.074	1.00	Apr	2.16	1.87	1.05	2.38	0.14	1.38					8.84
Cotton Seed BGRR	thous											48.0000	0.54	25.92		25.92
BGRR Cott Tech Fee	S thou											48.0000	1.12	54.20		54.20
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 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(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
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
Cult & Post	8R-38	2WD 170	0.086	1.00	May	2.24	1.90	0.60	1.86	0.13	1.23					7.83
Glyphosate Plus	pt											2.0000	4.82	9.64		9.64
Suprend	lb											1.2500	10.48	13.10		13.10
Sprayer(300-450Gal)		60'	0.017	1.00	May	0.34	0.61			0.02	0.25					1.20
Mepiquat Chloride	oz											8.0000	0.16	1.28		1.28
Centric 40WG	oz											2.0000	4.45	8.90		8.90
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)	8R-38	2WD 170	0.066	1.00	Jun	1.72	1.46	0.49	0.69	0.10	0.95					5.31
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	Aug							1.0000	7.50	7.50		7.50
Orthene 90S	lb											0.5000	8.50	4.25		4.25
Mepiquat Chloride	oz											12.0000	0.16	1.92		1.92
Sprayer(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25					1.20
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(300-450Gal)		60'	0.017	1.00	Sep	0.34	0.61			0.02	0.25					1.20
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		4R-38(255)	0.257	1.00	Oct	19.24	47.46			0.51	4.78					71.48
Boll Buggy-1st pick	4R-38(255)	2WD 170	0.257	1.00	Oct	6.63	5.63	1.68	4.06	0.25	2.56					20.56
Module Builder-1st	4R-38(255)	2WD 150	0.257	1.00	Oct	5.88	5.03	2.29	5.55	0.51	4.78					23.53
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	Jun		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	Jul		8.36			0.07	0.65		3.0000			9.01
TOTALS						53.49	78.87	52.17	49.35	2.73	25.61				484.61	744.10
INTEREST ON OPERATING CAPITAL																14.61
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																758.71

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 12 Row, Stale Seedbed, BGII/RRFlex**

AG-1177-11-08

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	0.8032	7.98	_____
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	0.3283	2.82	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
DIESEL FUEL					
Tractors	gal	2.60	7.8593	20.44	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.12	1.0000	7.12	_____
Tractors	acre	2.93	1.0000	2.93	_____
Self-Propelled	acre	11.61	1.0000	11.61	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	15.67	1.0000	15.67	_____
TOTAL DIRECT EXPENSES				654.95	_____
FIXED EXPENSES					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	21.17	1.0000	21.17	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				116.50	_____
TOTAL SPECIFIED EXPENSES				771.45	_____

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Table 6.A Estimated resource use and costs for field operations, per acre
 Southern Ark., Furrow Irr., 12Row, Stale Seedbed,BG2RRF
 AG 1177, 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											2.0000	4.82	9.64		9.64
												0.5000	10.87	5.44		5.44
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
Sprayer(600-825Gal)	acre											1.0000	131.58	131.58		131.58
Reflex 2LC	pt				Apr	0.43	0.89			0.01	0.17					1.49
		90'	0.011	1.00								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 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					45.22	76.34	48.92	40.16	1.97	18.43				526.71	755.78
INTEREST ON OPERATING CAPITAL															15.67
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															771.45

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 12 Row, Stale Seedbed, WideStrike®/RRFlex**

AG-1178-11-08

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 WS/RRF	thous	0.56	48.0000	27.07	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
TECHNOLOGY FEE					
WS/RRF Tech S	thous	1.38	48.0000	66.24	_____
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	0.8032	7.98	_____
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	0.3283	2.82	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
DIESEL FUEL					
Tractors	gal	2.60	7.8593	20.44	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.12	1.0000	7.12	_____
Tractors	acre	2.93	1.0000	2.93	_____
Self-Propelled	acre	11.61	1.0000	11.61	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	15.55	1.0000	15.55	_____
TOTAL DIRECT EXPENSES				650.62	_____
FIXED EXPENSES					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	21.17	1.0000	21.17	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				116.50	_____
TOTAL SPECIFIED EXPENSES				767.12	_____

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Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark, Furrow Irr, 12Row, Stale Seedbed, WS/RRF
 AG 1178, 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											2.0000	4.82	9.64		9.64
	pt											0.5000	10.87	5.44		5.44
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
Sprayer(600-825Gal)	acre											1.0000	131.58	131.58		131.58
Reflex 2LC	pt	90'	0.011	1.00	Apr	0.43	0.89			0.01	0.17					1.49
	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 WS/RRF	thous											48.0000	0.56	27.07		27.07
WS/RRF Tech S	thous											48.0000	1.38	66.24		66.24
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 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						45.22	76.34	48.92	40.16	1.97	18.43			522.50	751.57
INTEREST ON OPERATING CAPITAL															15.55
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															767.12

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 12 Row, Stale Seedbed, RRFlex**

AG-1179-11-08

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	4.0000	12.36	_____
Tracer	oz	6.58	4.2600	28.03	_____
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 RRF	thous	0.58	48.0000	27.84	_____
Insecticide Seed Trt	thous	0.18	48.0000	8.90	_____
Fungicide Seed Trt	thou	0.15	48.0000	7.29	_____
TECHNOLOGY FEE					
RR Flex Tech Fee S	thous	1.00	48.0000	48.00	_____
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	5.0000	37.50	_____
OPERATOR LABOR					
Tractors	hour	9.92	0.8032	7.98	_____
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	0.3283	2.82	_____
Self-Propelled	hour	8.60	0.2134	1.83	_____
DIESEL FUEL					
Tractors	gal	2.60	7.8593	20.44	_____
Self-Propelled	gal	2.60	3.9509	10.24	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.12	1.0000	7.12	_____
Tractors	acre	2.93	1.0000	2.93	_____
Self-Propelled	acre	11.61	1.0000	11.61	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	15.62	1.0000	15.62	_____
TOTAL DIRECT EXPENSES				674.94	_____
FIXED EXPENSES					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	21.17	1.0000	21.17	_____
Self-Propelled	acre	55.17	1.0000	55.17	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				116.50	_____
TOTAL SPECIFIED EXPENSES				791.44	_____

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Extension Economist
 – Risk Management

Tom Barber
Assistant Professor
 – Cotton Agronomist

Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark., Furrow Irr., 12Row, Stale Seedbed, RRF
 AG 1179, 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 90'	0.107	1.00	Nov	3.73	3.61	0.69	1.44	0.10	1.07				10.54
Glyphosate Plus Clarity	pt		0.011	1.00	Mar	0.43	0.89			0.01	0.17	2.0000	4.82	9.64	9.64
	pt											0.5000	10.87	5.44	5.44
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
Sprayer(600-825Gal)	acre											1.0000	131.58	131.58	131.58
Reflex 2LC	pt	90'	0.011	1.00	Apr	0.43	0.89			0.01	0.17				1.49
	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 RRF	thous											48.0000	0.58	27.84	27.84
RR Flex Tech Fee S	thous											48.0000	1.00	48.00	48.00
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 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
Acephate 90%	lb											0.5000	7.97	3.99	3.99
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Mepiquat Chloride	oz											12.0000	0.16	1.92	1.92
Karate Z	oz											2.0000	3.09	6.18	6.18
Tracer	oz											2.1300	6.58	14.02	14.02
Bidrin 8WM	oz											8.0000	0.86	6.88	6.88

Cstm Ap Air Insect	acre		1.00	Aug							1.0000	7.50	7.50	7.50
Karate Z	oz										2.0000	3.09	6.18	6.18
Tracer	oz										2.1300	6.58	14.02	14.02
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
Def 6	pt											0.2500	6.75	1.69
Finish 6	pt											0.3125	7.61	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 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						45.22	76.34	48.92	40.16	1.97	18.43		546.75	775.82
INTEREST ON OPERATING CAPITAL														15.62
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														791.44

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**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Furrow Irrigated, 12 Row, Stale Seedbed, BGII/LibertyLink**

AG-1180-11-08

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	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	_____
IRRIGATION SUPPLIES					
Irrig pipe+lay+pick	acre	13.50	1.0000	13.50	_____
CROP SEED					
Cotton Seed BG2LL S	thous	1.04	48.0000	49.92	_____
Fung.+ Insect Trt S	thous	0.51	48.0000	24.48	_____
TECHNOLOGY FEE					
BGII/LL Tech S	thou	1.17	48.0000	56.40	_____
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					
Furrow Irr.	hour	8.60	0.3771	3.25	_____
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	8.4254	21.91	_____
Self-Propelled	gal	2.60	3.7090	9.62	_____
Furrow Irr.	gal	2.60	15.0000	39.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.69	1.0000	7.69	_____
Tractors	acre	3.13	1.0000	3.13	_____
Self-Propelled	acre	11.37	1.0000	11.37	_____
Furrow Irr.	ac-in	0.18	15.0000	2.80	_____
INTEREST ON OP. CAP.	acre	16.30	1.0000	16.30	_____
TOTAL DIRECT EXPENSES				682.06	_____
FIXED EXPENSES					
Implements	acre	16.44	1.0000	16.44	_____
Tractors	acre	22.63	1.0000	22.63	_____
Self-Propelled	acre	53.39	1.0000	53.39	_____
Furrow Irr.	each	3058.64	0.0083	25.49	_____
TOTAL FIXED EXPENSES				117.95	_____
TOTAL SPECIFIED EXPENSES				800.01	_____

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Extension Economist
– Risk Management

Tom Barber
Assistant Professor
– Cotton Agronomist

Table 2. Estimated resource use and costs for field operations, per acre
 Southern Ark, Furrow Irr, 12Row, Stale Seedbed, BG2LL
 AG 1180, 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 S	thous											48.0000	1.04	49.92		49.92
BGII/LL Tech S	thou											48.0000	1.17	56.40		56.40
Fung.+ Insect Trt S	thous											48.0000	0.51	24.48		24.48
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 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
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 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
Cult & Post	12R-38	2WD 190	0.057	1.00	Jun	1.67	1.46	0.57	1.77	0.08	0.82					6.29
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	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					46.03	76.02	49.49	41.93	2.02	18.91			551.33	783.71
INTEREST ON OPERATING CAPITAL														16.30
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														800.01

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.

**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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 – Risk Management

Tom Barber
Assistant Professor
 – Cotton Agronomist

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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