

**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

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.