

**Estimating 2004 Costs of Production  
 Cotton, Roundup Ready, Non- Irrigated, 8 Row Equipment  
 Southeast Boll Weevil Eradication Zone AG-762-12-04**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 3 gal)	appl	3.00	2.0000	6.00	_____
App by Air ( 5 gal)	appl	4.00	3.0000	12.00	_____
App by air Defoliant	acre	4.50	1.0000	4.50	_____
HARVEST AIDS					
Ethephon	pint	4.94	0.3300	1.63	_____
Def 6	pt	5.76	0.4000	2.31	_____
Dropp 50 WP	lb	56.37	0.0700	3.95	_____
FERTILIZERS					
0-45-60	lbs	0.09	100.0000	9.75	_____
Boron (Solubor)	lb	0.75	5.0000	3.75	_____
Urea, Solid (46% N)	cwt	12.00	1.7400	20.88	_____
HERBICIDES					
Glyphosate Plus 4L	pt	4.78	6.0000	28.68	_____
Staple	oz	18.50	0.6000	11.10	_____
Caparol 4L	pt	3.58	0.7500	2.69	_____
Direx 80 DF	lb	3.43	0.3300	1.13	_____
INSECTICIDES					
Gaucho	lb	0.97	10.0000	9.70	_____
Orthene 90S	lb	9.00	0.8300	7.47	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
Tracer	oz	6.25	4.0000	25.00	_____
CROP SEED					
Cotton Seed RR	lb	1.50	10.0000	15.00	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	acre	6.00	2.0000	12.00	_____
RR Cotton Tech Fee S	lb	0.90	10.0000	9.00	_____
SERVICE FEE					
Insect Scouting	acre	8.00	1.0000	8.00	_____
CUSTOM FERT/LIME					
Custom Apply Fert	acre	4.00	2.0000	8.00	_____
OPERATOR LABOR					
Tractors	hour	9.02	0.9106	8.20	_____
Self-Propelled	hour	9.02	0.4665	4.21	_____
HAND LABOR					
Implements	hour	6.44	0.2963	1.91	_____
DIESEL FUEL					
Tractors	gal	0.85	8.7676	7.46	_____
Self-Propelled	gal	0.85	5.0515	4.30	_____
REPAIR & MAINTENANCE					
Implements	acre	5.07	1.0000	5.07	_____
Tractors	acre	6.73	1.0000	6.73	_____
Self-Propelled	acre	12.80	1.0000	12.80	_____
INTEREST ON OP. CAP.	acre	6.27	1.0000	6.27	_____
TOTAL DIRECT EXPENSES				270.49	_____
FIXED EXPENSES					
Implements	acre	9.74	1.0000	9.74	_____
Tractors	acre	15.08	1.0000	15.08	_____
Self-Propelled	acre	44.88	1.0000	44.88	_____
TOTAL FIXED EXPENSES				69.70	_____
TOTAL SPECIFIED EXPENSES				340.19	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Roundup Ready, Non-Irrigated, 8 Row Equip. Southeast Boll Weevil Eradication Zone, Arkansas, 2004**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
Stalk Shredder	24'	MFWD 190	0.069	1.00	Oct	1.10	1.19	0.36	1.10	0.06	0.62				4.37
Subsoiler low-till	8 shank	MFWD 225	0.077	1.00	Oct	1.43	1.50	0.70	1.00	0.07	0.69				5.32
Custom Apply Fert	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-45-60	lbs											100.0000	0.09	9.75	9.75
Boron (Solubor)	lb											5.0000	0.75	3.75	3.75
	pt												1.24		
Field Cultivate	32'	MFWD 190	0.047	1.00	Nov	0.75	0.81	0.44	0.82	0.04	0.42				3.24
Disk Bed (Hipper)Rdg	8R-40	MFWD 190	0.069	1.00	Nov	1.10	1.19	0.43	0.66	0.06	0.62				4.00
Sprayer(600-750 Gal)	60'		0.015	1.00	Mar	0.60	0.72			0.01	0.14				1.46
Glyphosate Plus 4L	pt											1.5000	4.78	7.17	7.17
Disk Bed (Hipper)Rdg	8R-40	MFWD 190	0.069	1.00	Apr	1.10	1.19	0.43	0.66	0.06	0.62				4.00
Row Cond (Harrow)	27'	MFWD 190	0.056	1.00	Apr	0.90	0.96	0.40	0.65	0.05	0.51				3.42
Eradication Fee SEZ	acre			1.00	May							1.0000	6.00	6.00	6.00
Plant - Rigid	8R-40	MFWD 190	0.069	1.00	May	1.10	1.19	0.49	0.91	0.13	1.06				4.75
Cotton Seed RR	lb											10.0000	1.50	15.00	15.00
Gaicho	lb											10.0000	0.97	9.70	9.70
RR Cotton Tech Fee	S lb											10.0000	0.90	9.00	9.00
Custom Apply Fert	acre			1.00	May							1.0000	4.00	4.00	4.00
Urea, Solid (46% N)	cwt											1.7400	12.00	20.88	20.88
Spray (Direct/Hood)	8R-40	MFWD 190	0.062	1.00	Jun	1.00	1.07	0.23	0.35	0.09	0.76				3.41
Staple	oz											0.6000	18.50	11.10	11.10
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Sprayer(600-750 Gal)	60'		0.015	1.00	Jun	0.60	0.72			0.01	0.14				1.46
Glyphosate Plus 4L	pt											1.5000	4.78	7.17	7.17
Spray (Direct/Layby)	8R-40	2WD 190	0.062	1.00	Jun	0.94	0.94	0.13	0.23	0.09	0.76				3.00
Caparol 4L	pt											0.7500	3.58	2.69	2.69
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
App by Air ( 3 gal)	appl			1.00	Jun							1.0000	3.00	3.00	3.00
Orthene 90S	lb											0.3300	9.00	2.97	2.97
Spray (Direct/Hood)	8R-40	MFWD 190	0.062	1.00	Jun	1.00	1.07	0.23	0.35	0.09	0.76				3.41
Direx 80 DF	lb											0.3300	3.43	1.13	1.13
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Insect Scouting	acre			1.00	Jul							1.0000	8.00	8.00	8.00
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	3.00	3.00	3.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Eradication Fee SEZ	acre			1.00	Jul							1.0000	6.00	6.00	6.00
App by Air ( 5 gal)	appl			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Orthene 90S	lb											0.5000	9.00	4.50	4.50
App by Air ( 5 gal)	appl			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer	oz											2.0000	6.25	12.50	12.50
App by Air ( 5 gal)	appl			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer	oz											2.0000	6.25	12.50	12.50
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	4.94	1.63	1.63
Def 6	pt											0.4000	5.76	2.31	2.31
Dropp 50 WP	lb											0.0700	56.37	3.95	3.95

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Roundup Ready, Non-Irrigated, 8 Row Equip. Southeast Boll Weevil Eradication Zone, Arkansas, 2004 , (continued)**

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		
Boll Buggy-1st pick	4R40	255hp	MFWD 190	0.124	1.00	Oct	1.98	2.14	0.48	1.17	0.12	1.12				6.89
Cotton Picker-1st-BB			4R40"255hp	0.259			11.36	31.03			0.31	2.81				45.20
Module Builder-1st	32'4R40255		2WD 150	0.124	1.00	Oct	1.49	1.52	0.66	1.61	0.24	1.92				7.20
Boll Buggy-2nd pick	4R40	255hp	MFWD 190	0.103	0.10	Oct	0.17	0.18	0.04	0.10	0.01	0.09				0.58
Cotton Picker-2nd-BB			4R40"255hp	0.207	0.50	Oct	4.54	12.41			0.12	1.12				18.07
Module Builder-2nd	32'4R40255		2WD 150	0.103	0.10	Oct	0.13	0.13	0.05	0.13	0.02	0.16				0.60
TOTALS							31.29	59.96	5.07	9.74	1.67	14.32			213.54	333.92
INTEREST ON OPERATING CAPITAL																6.27
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																340.19

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.

**AG-762-12-03**

**Table 3. Alternative Cotton Production Practices, and which cotton budgets contain them.**

<b>Production Practice</b>	<b>Cost per acre*</b>	<b>Budget No.</b>
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$13.08	None
Larvin (1 gal./ 3.5 acres)	\$16.82	None
Tracer (1 gal./ 64 acres)	\$11.72	Most
Tracer (1/2 rate) + Pyretheroid	\$11.36	None
Defoliation for Irrigated Cotton	\$32.83	Most
Defoliation for Dryland Cotton	\$12.39	AG 762, 766, 770, 774
Gaucho seed treatment	\$0.97/lb. of seed	Most
Harvest 4 row harvester, first pick	\$45.20	AG 762, 763, 765-767, 770, 771, 774, 775
4 row harvester, second pick	\$36.14	None
6 row harvester, (38" rows), first pick	\$38.73	AG 764, 768, 769, 772, 773, 776, 777
6 row harvester, (38" rows), second pick	\$32.44	None
Irrigation, furrow (3 ac. in)	\$3.71 per app. Plus a fixed cost of \$16.88	Most
Irrigation, center pivot (1 ac. in)	\$2.73 per app. Plus a fixed cost of \$49.86	AG 769, 772, 776
Irrigation, towable center pivot (1 ac. In)	\$2.93 per app. Plus a fixed cost of \$31.32	None
Irrigation, furrow, stationary relift (3 ac. in)	\$2.59 per app. Plus a fixed cost of \$16.61	None
Module Builder	\$7.20	All
Row cultivate plus directed spray	\$5.73 + material	None
Staple herbicide banded application (0.6 oz)	\$11.10	Most
Prowl, and Incorporate (1.2 pints)	\$6.75	None
Treflan, Incorporator application (0.75 pints)	\$6.68	None
Treflan and Incorporate (1.5 pints)	\$8.64	None

\* Machinery costs per acre assume that each machine is fully utilized on the farm.

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View and print all of the Arkansas crop budgets at <http://www.aragriculture.org/farmplanning/Budgets/default.asp>



UNIVERSITY OF ARKANSAS  
DIVISION OF AGRICULTURE  
Cooperative Extension Service

## Estimating 2004 Costs of Production Cotton, Bt/RR, Conventional till, Furrow Irrigation, 8 Row Equipment Southeast Boll Weevil Eradication Zone AG-763-12-04

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 3 gal)	appl	3.00	2.0000	6.00	_____
App by Air ( 5 gal)	appl	4.00	1.0000	4.00	_____
App by air Defoliant	acre	4.50	2.0000	9.00	_____
HARVEST AIDS					
Finish 6	pt	9.16	0.2500	2.29	_____
Def 6	pt	5.76	1.1600	6.69	_____
Dropp 50 WP	lb	56.37	0.1000	5.64	_____
Ethephon	pint	4.94	2.0000	9.88	_____
FERTILIZERS					
0-45-60	lbs	0.09	100.0000	9.75	_____
Boron (Solubor)	lb	0.75	5.0000	3.75	_____
Liquid Nitrogen 32%	lb	0.08	312.0000	27.14	_____
FUNGICIDES					
Terraclor 15 G	lb	1.50	7.0000	10.50	_____
HERBICIDES					
Glyphosate Plus 4L	pt	4.78	4.5000	21.51	_____
Cotoran 4L	pt	4.46	1.0000	4.46	_____
Staple	oz	18.50	0.6000	11.10	_____
Caparol 4L	pt	3.58	0.7500	2.69	_____
Direx 80 DF	lb	3.43	0.3300	1.13	_____
INSECTICIDES					
Temik 15G Grit	lb	3.30	3.0000	9.90	_____
Orthene 90S	lb	9.00	0.3300	2.97	_____
Bidrin 8L	oz	0.71	8.0000	5.68	_____
Pyrethroid	acre	5.50	1.0000	5.50	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.14	40.0000	5.60	_____
CROP SEED					
Cotton Seed BtRR	lb	1.50	10.0000	15.00	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	acre	6.00	2.0000	12.00	_____
BtRR Cott Tech Fee S	lb	3.60	10.0000	36.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.48	26.0000	12.48	_____
SERVICE FEE					
Insect Scouting	acre	8.00	1.0000	8.00	_____
CUSTOM FERT/LIME					
Custom Apply Fert	acre	4.00	3.0000	12.00	_____
OPERATOR LABOR					
Tractors	hour	9.02	0.9896	8.93	_____
Self-Propelled	hour	9.02	0.4515	4.07	_____
IRRIGATION LABOR					
Furrow Irrigation	hour	6.44	0.2986	1.92	_____
HAND LABOR					
Implements	hour	6.44	0.3003	1.94	_____
DIESEL FUEL					
Tractors	gal	0.85	9.6780	8.24	_____
Self-Propelled	gal	0.85	4.9138	4.18	_____
Furrow Irrigation	gal	0.85	11.9478	10.16	_____
REPAIR & MAINTENANCE					
Implements	acre	5.99	1.0000	5.99	_____
Tractors	acre	7.48	1.0000	7.48	_____
Self-Propelled	acre	12.32	1.0000	12.32	_____
Furrow Irrigation	acin	0.23	12.0000	2.76	_____
INTEREST ON OP. CAP.	acre	8.14	1.0000	8.14	_____
TOTAL DIRECT EXPENSES				336.78	_____
FIXED EXPENSES					
Implements	acre	11.42	1.0000	11.42	_____
Tractors	acre	16.81	1.0000	16.81	_____
Self-Propelled	acre	44.16	1.0000	44.16	_____
Furrow Irrigation	each	2025.75	0.0083	16.88	_____
TOTAL FIXED EXPENSES				89.27	_____
TOTAL SPECIFIED EXPENSES				426.05	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Conventional till, Furrow Irr., 8 Row Eq Southeast Boll Weevil Eradication Zone, Arkansas, 2004**

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-----			
Stalk Shredder	24'	MFWD 190	0.069	1.00	Oct	1.10	1.19	0.36	1.10	0.06	0.62				4.37
Heavy Disk	27'	MFWD 190	0.076	1.00	Oct	1.21	1.31	0.90	1.37	0.07	0.69				5.48
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Oct	1.21	1.31	0.42	0.79	0.07	0.69				4.42
Custom Apply Fert	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-45-60	lbs											100.0000	0.09	9.75	9.75
Boron (Solubor)	lb											5.0000	0.75	3.75	3.75
	pt												1.24		
Field Cultivate	32'	MFWD 190	0.047	1.00	Nov	0.75	0.81	0.44	0.82	0.04	0.42				3.24
Disk Bed (Hipper)Fld	8R-40	MFWD 190	0.069	1.00	Nov	1.10	1.19	0.57	0.88	0.06	0.62				4.36
Sprayer(600-750 Gal)	60'		0.015	1.00	Mar	0.60	0.72			0.01	0.14				1.46
Glyphosate Plus 4L	pt											1.5000	4.78	7.17	7.17
Disk Bed (Hipper)Rdg	8R-40	MFWD 190	0.069	1.00	Apr	1.10	1.19	0.43	0.66	0.06	0.62				4.00
Row Cond (Harrow)	27'	MFWD 190	0.056	1.00	Apr	0.90	0.96	0.40	0.65	0.05	0.51				3.42
Eradication Fee SEZ	acre			1.00	May							1.0000	6.00	6.00	6.00
Plant & Pre Rigid	8R-40	MFWD 190	0.073	1.00	May	1.17	1.26	0.65	1.21	0.14	1.13				5.42
Cotton Seed BtRR	lb											10.0000	1.50	15.00	15.00
Temik 15G Grit	lb											3.0000	3.30	9.90	9.90
Terraclor 15 G	lb											7.0000	1.50	10.50	10.50
Cotoran 4L	pt											1.0000	4.46	4.46	4.46
BtRR Cott Tech Fee	S lb											10.0000	3.60	36.00	36.00
Custom Apply Fert	acre			1.00	May							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57	13.57
Spray (Direct/Hood)	8R-40	MFWD 190	0.062	1.00	Jun	1.00	1.07	0.23	0.35	0.09	0.76				3.41
Staple	oz											0.6000	18.50	11.10	11.10
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Custom Apply Fert	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57	13.57
Spray (Direct/Layby)	8R-40	2WD 190	0.062	1.00	Jun	0.94	0.94	0.13	0.23	0.09	0.76				3.00
Caparol 4L	pt											0.7500	3.58	2.69	2.69
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
App by Air ( 3 gal)	appl			1.00	Jun							1.0000	3.00	3.00	3.00
Orthene 90S	lb											0.3300	9.00	2.97	2.97
Mepiquat Chloride	oz											4.0000	0.48	1.92	1.92
Spray (Direct/Hood)	8R-40	2WD 190	0.062	1.00	Jun	0.94	0.94	0.23	0.35	0.09	0.76				3.22
Direx 80 DF	lb											0.3300	3.43	1.13	1.13
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Roll-Out Pipe	ft			1.00	Jun							40.0000	0.14	5.60	5.60
Insect Scouting	acre			1.00	Jul							1.0000	8.00	8.00	8.00
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	3.00	3.00	3.00
Bidrin 8L	oz											8.0000	0.71	5.68	5.68
Mepiquat Chloride	oz											10.0000	0.48	4.80	4.80
Eradication Fee SEZ	acre			1.00	Jul							1.0000	6.00	6.00	6.00
App by Air ( 5 gal)	appl			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	oz											12.0000	0.48	5.76	5.76
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6	pt											0.2500	9.16	2.29	2.29
Def 6	pt											0.5000	5.76	2.88	2.88
Dropp 50 WP	lb											0.1000	56.37	5.64	5.64

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Conventional till, Furrow Irr., 8 Row Eq Southeast Boll Weevil Eradication Zone, Arkansas, 2004, (continued)**

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-----				
App by air Defoliant	acre			1.00	Sep								1.0000	4.50	4.50	4.50
Ethephon	pint												2.0000	4.94	9.88	9.88
Def 6	pt												0.6600	5.76	3.80	3.80
Boll Buggy-1st pick	4R40 255hp	MFWD 190	0.124	1.00	Oct	1.98	2.14	0.48	1.17	0.12	1.12					6.89
Cotton Picker-1st-BB		4R40"255hp	0.259			11.36	31.03			0.31	2.81					45.20
Module Builder-1st	32'4R40255	MFWD 190	0.124	1.00	Oct	1.98	2.14	0.66	1.61	0.24	1.92					8.31
Boll Buggy-2nd pick	4R40 255hp	MFWD 190	0.103	0.10	Oct	0.17	0.18	0.04	0.10	0.01	0.09					0.58
Cotton Picker-2nd-BB		4R40"255hp	0.207	0.50	Oct	4.54	12.41			0.12	1.12					18.07
Module Builder-2nd	32'4R40255	MFWD 190	0.103	0.10	Oct	0.17	0.18	0.05	0.13	0.02	0.16					0.69
Furrow Irrigation	each			1.00	Jun						16.88		0.0083			16.88
Application 1	acin			1.00	Jun			3.23		0.07	0.48		3.0000			3.71
Application 2	acin			1.00	Jul			3.23		0.07	0.48		3.0000			3.71
Application 3	acin			1.00	Jul			3.23		0.07	0.48		3.0000			3.71
Application 4	acin			1.00	Aug			3.23		0.07	0.48		3.0000			3.71
TOTALS						32.22	60.97	18.91	28.30	2.04	16.86				260.65	417.91
INTEREST ON OPERATING CAPITAL																8.14
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																426.05

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.

**Table 3. Alternative Cotton Production Practices, and which cotton budgets contain them.**

<b>Production Practice</b>	<b>Cost per acre*</b>	<b>Budget No.</b>
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$13.08	None
Larvin (1 gal./ 3.5 acres)	\$16.82	None
Tracer (1 gal./ 64 acres)	\$11.72	Most
Tracer (1/2 rate) + Pyretheroid	\$11.36	None
Defoliation for Irrigated Cotton	\$32.83	Most
Defoliation for Dryland Cotton	\$12.39	AG 762, 766, 770, 774
Gaucho seed treatment	\$0.97/lb. of seed	Most
Harvest 4 row harvester, first pick	\$45.20	AG 762, 763, 765-767, 770, 771, 774, 775
4 row harvester, second pick	\$36.14	None
6 row harvester, (38" rows), first pick	\$38.73	AG 764, 768, 769, 772, 773, 776, 777
6 row harvester, (38" rows), second pick	\$32.44	None
Irrigation, furrow (3 ac. in)	\$3.71 per app. Plus a fixed cost of \$16.88	Most
Irrigation, center pivot (1 ac. in)	\$2.73 per app. Plus a fixed cost of \$49.86	AG 769, 772, 776
Irrigation, towable center pivot (1 ac. In)	\$2.93 per app. Plus a fixed cost of \$31.32	None
Irrigation, furrow, stationary relift (3 ac. in)	\$2.59 per app. Plus a fixed cost of \$16.61	None
Module Builder	\$7.20	All
Row cultivate plus directed spray	\$5.73 + material	None
Staple herbicide banded application (0.6 oz)	\$11.10	Most
Prowl, and Incorporate (1.2 pints)	\$6.75	None
Treflan, Incorporator application (0.75 pints)	\$6.68	None
Treflan and Incorporate (1.5 pints)	\$8.64	None

\* Machinery costs per acre assume that each machine is fully utilized on the farm.

The authors gratefully acknowledge the contributions of Ken Smith, Don Johnson, Bill Robertson, Gus Lorenz, and Larry McClendon in the construction of the 2004 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

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**Estimating 2004 Costs of Production  
 Cotton, Bt/RR, Stale Seedbed, Furrow Irrigation, 12 Row Equipment  
 Southeast Boll Weevil Eradication Zone AG-764-12-04**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CUSTOM SPRAY</b>					
App by Air ( 3 gal)	appl	3.00	3.0000	9.00	_____
App by Air ( 5 gal)	appl	4.00	1.0000	4.00	_____
App by air Defoliant	acre	4.50	2.0000	9.00	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	4.94	2.3300	11.51	_____
Def 6	pt	5.76	1.1600	6.69	_____
Dropp 50 WP	lb	56.37	0.1000	5.64	_____
<b>FERTILIZERS</b>					
0-45-60	lbs	0.09	100.0000	9.75	_____
Boron (Solubor)	lb	0.75	5.0000	3.75	_____
Liquid Nitrogen 32%	lb	0.08	312.0000	27.14	_____
<b>FUNGICIDES</b>					
Terraclor 15 G	lb	1.50	7.0000	10.50	_____
<b>HERBICIDES</b>					
2,4-D Amine 4	pt	1.55	1.0000	1.55	_____
Caparol 4L	pt	3.58	1.2500	4.47	_____
Glyphosate Plus 4L	pt	4.78	4.6250	22.11	_____
Staple	oz	18.50	0.6000	11.10	_____
Direx 80 DF	lb	3.43	0.3300	1.13	_____
<b>INSECTICIDES</b>					
Gaucho	lb	0.97	10.0000	9.70	_____
Orthene 90S	lb	9.00	0.3300	2.97	_____
Bidrin 8L	oz	0.71	8.0000	5.68	_____
Pyrethroid	acre	5.50	1.0000	5.50	_____
<b>IRRIGATION SUPPLIES</b>					
Roll-Out Pipe	ft	0.14	40.0000	5.60	_____
<b>CROP SEED</b>					
Cotton Seed BtRR	lb	1.50	10.0000	15.00	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	acre	6.00	2.0000	12.00	_____
BtRR Cott Tech Fee S	lb	3.60	10.0000	36.00	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	oz	0.48	26.0000	12.48	_____
<b>SERVICE FEE</b>					
Insect Scouting	acre	8.00	1.0000	8.00	_____
<b>CUSTOM FERT/LIME</b>					
Custom Apply Fert	acre	4.00	3.0000	12.00	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.02	0.4860	4.38	_____
Self-Propelled	hour	9.02	0.2098	1.90	_____
<b>IRRIGATION LABOR</b>					
Furrow Irrigation	hour	6.44	0.2986	1.92	_____
<b>HAND LABOR</b>					
Implements	hour	6.44	0.1825	1.17	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.85	4.7751	4.04	_____
Self-Propelled	gal	0.85	2.8352	2.42	_____
Furrow Irrigation	gal	0.85	11.9478	10.16	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	3.61	1.0000	3.61	_____
Tractors	acre	3.65	1.0000	3.65	_____
Self-Propelled	acre	8.39	1.0000	8.39	_____
Furrow Irrigation	acin	0.23	12.0000	2.76	_____
INTEREST ON OP. CAP.	acre	7.67	1.0000	7.67	_____
<b>TOTAL DIRECT EXPENSES</b>				314.34	_____
<b>FIXED EXPENSES</b>					
Implements	acre	7.05	1.0000	7.05	_____
Tractors	acre	8.23	1.0000	8.23	_____
Self-Propelled	acre	28.77	1.0000	28.77	_____
Furrow Irrigation	each	2025.75	0.0083	16.88	_____
<b>TOTAL FIXED EXPENSES</b>				60.93	_____
<b>TOTAL SPECIFIED EXPENSES</b>				375.27	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Stale Seedbed, Furrow Irr., 12 Row Eq Southeast Boll Weevil Eradication Zone, Arkansas, 2004**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk Shredder	24'	MFWD 190	0.069	1.00	Oct	1.10	1.19	0.36	1.10	0.06	0.62				4.37
Custom Apply Fert	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-45-60	lbs											100.0000	0.09	9.75	9.75
Boron (Solubor)	lb											5.0000	0.75	3.75	3.75
	pt												1.24		
Paratill & Bed Fold.	12R-40	MFWD 225	0.052	1.00	Nov	0.96	1.01	0.86	1.38	0.05	0.47				4.68
Disk Bed (Hipper)	12R-40	MFWD 225	0.046	1.00	Nov	0.85	0.90	0.53	0.81	0.04	0.41				3.50
App by Air ( 3 gal)	appl			1.00	Feb							1.0000	3.00	3.00	3.00
2,4-D Amine 4	pt											1.0000	1.55	1.55	1.55
Sprayer(800-1000Gal)		90'	0.008	1.00	Mar	0.49	0.61			0.00	0.07				1.17
Caparol 4L	pt											0.5000	3.58	1.79	1.79
Gramoxone Extra	pt											0.8300			
Sprayer(800-1000Gal)		90'	0.008	0.10	Apr	0.05	0.06			0.00	0.01				0.12
Glyphosate Plus 4L	pt											0.1250	4.78	0.60	0.60
Eradication Fee SEZ	acre			1.00	May							1.0000	6.00	6.00	6.00
Plant - Folding	12R-40	MFWD 190	0.046	1.00	May	0.73	0.79	0.63	1.18	0.09	0.71				4.04
Cotton Seed BtRR	lb											10.0000	1.50	15.00	15.00
Gaucho	lb											10.0000	0.97	9.70	9.70
Terraclor 15 G	lb											7.0000	1.50	10.50	10.50
BtRR Cott Tech Fee	S lb											10.0000	3.60	36.00	36.00
Custom Apply Fert	acre			1.00	May							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57	13.57
Spray (Direct/Hood)	12R-40	MFWD 190	0.041	1.00	May	0.65	0.71	0.19	0.30	0.06	0.50				2.35
Staple	oz											0.6000	18.50	11.10	11.10
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Sprayer(600-750 Gal)		60'	0.015	1.00	Jun	0.60	0.72			0.01	0.14				1.46
Glyphosate Plus 4L	pt											1.5000	4.78	7.17	7.17
Custom Apply Fert	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57	13.57
Spray (Direct/Layby)	12R-40	MFWD 190	0.041	1.00	Jun	0.65	0.71	0.16	0.29	0.06	0.50				2.31
Caparol 4L	pt											0.7500	3.58	2.69	2.69
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
App by Air ( 3 gal)	appl			1.00	Jun							1.0000	3.00	3.00	3.00
Orthene 90S	lb											0.3300	9.00	2.97	2.97
Mepiquat Chloride	oz											4.0000	0.48	1.92	1.92
Roll-Out Pipe	ft			1.00	Jun							40.0000	0.14	5.60	5.60
Spray (Direct/Hood)	12R-40	MFWD 190	0.041	1.00	Jun	0.65	0.71	0.19	0.30	0.06	0.50				2.35
Direx 80 DF	lb											0.3300	3.43	1.13	1.13
Glyphosate Plus 4L	pt											1.0000	4.78	4.78	4.78
Insect Scouting	acre			1.00	Jul							1.0000	8.00	8.00	8.00
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	3.00	3.00	3.00
Bidrin 8L	oz											8.0000	0.71	5.68	5.68
Mepiquat Chloride	oz											10.0000	0.48	4.80	4.80
Eradication Fee SEZ	acre			1.00	Jul							1.0000	6.00	6.00	6.00
App by Air ( 5 gal)	appl			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	oz											12.0000	0.48	5.76	5.76

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Stale Seedbed, Furrow Irr., 12 Row Eq Southeast Boll Weevil Eradication Zone, Arkansas, 2004**

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-----				
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											0.3300	4.94	1.63	1.63	
Def 6	pt											0.5000	5.76	2.88	2.88	
Dropp 50 WP	lb											0.1000	56.37	5.64	5.64	
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											2.0000	4.94	9.88	9.88	
Def 6	pt											0.6600	5.76	3.80	3.80	
Boll Buggy-1st pick	4Bale 6R40	MFWD 190	0.075	1.00	Oct	1.20	1.29	0.29	0.71	0.07	0.68				4.17	
Cotton Picker-1st-BB		6R40*325hp	0.155			9.67	27.38			0.18	1.68				38.73	
Module Builder-1st	32' 6R40	2WD 150	0.075	1.00	Oct	0.90	0.92	0.40	0.98	0.15	1.16				4.36	
Furrow Irrigation	each			1.00	Jun							0.0083			16.88	
Application 1	acin			1.00	Jun			3.23		0.07	0.48	3.0000			3.71	
Application 2	acin			1.00	Jul			3.23		0.07	0.48	3.0000			3.71	
Application 3	acin			1.00	Jul			3.23		0.07	0.48	3.0000			3.71	
Application 4	acin			1.00	Aug			3.23		0.07	0.48	3.0000			3.71	
TOTALS						18.50	37.00	16.53	23.93	1.17	9.37				262.27	367.60
INTEREST ON OPERATING CAPITAL																7.67
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																375.27

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**Table 3. Alternative Cotton Production Practices, and which cotton budgets contain them.**

<b>Production Practice</b>	<b>Cost per acre*</b>	<b>Budget No.</b>
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$13.08	None
Larvin (1 gal./ 3.5 acres)	\$16.82	None
Tracer (1 gal./ 64 acres)	\$11.72	Most
Tracer (1/2 rate) + Pyretheroid	\$11.36	None
Defoliation for Irrigated Cotton	\$32.83	Most
Defoliation for Dryland Cotton	\$12.39	AG 762, 766, 770, 774
Gaucho seed treatment	\$0.97/lb. of seed	Most
Harvest 4 row harvester, first pick	\$45.20	AG 762, 763, 765-767, 770, 771, 774, 775
4 row harvester, second pick	\$36.14	None
6 row harvester, (38" rows), first pick	\$38.73	AG 764, 768, 769, 772, 773, 776, 777
6 row harvester, (38" rows), second pick	\$32.44	None
Irrigation, furrow (3 ac. in)	\$3.71 per app. Plus a fixed cost of \$16.88	Most
Irrigation, center pivot (1 ac. in)	\$2.73 per app. Plus a fixed cost of \$49.86	AG 769, 772, 776
Irrigation, towable center pivot (1 ac. In)	\$2.93 per app. Plus a fixed cost of \$31.32	None
Irrigation, furrow, stationary relift (3 ac. in)	\$2.59 per app. Plus a fixed cost of \$16.61	None
Module Builder	\$7.20	All
Row cultivate plus directed spray	\$5.73 + material	None
Staple herbicide banded application (0.6 oz)	\$11.10	Most
Prowl, and Incorporate (1.2 pints)	\$6.75	None
Treflan, Incorporator application (0.75 pints)	\$6.68	None
Treflan and Incorporate (1.5 pints)	\$8.64	None

\* Machinery costs per acre assume that each machine is fully utilized on the farm.

The authors gratefully acknowledge the contributions of Ken Smith, Don Johnson, Bill Robertson, Gus Lorenz, and Larry McClendon in the construction of the 2004 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

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UNIVERSITY OF ARKANSAS  
DIVISION OF AGRICULTURE  
Cooperative Extension Service

## Estimating 2004 Costs of Production Cotton, Bt/RR, No-till, Furrow Irrigation, 8 Row Equipment Southeast Boll Weevil Eradication Zone AG-765-12-04

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
CUSTOM SPRAY					
App by Air herbicide	acre	4.50	1.0000	4.50	_____
App by Air ( 3 gal)	appl	3.00	2.0000	6.00	_____
App by Air ( 5 gal)	appl	4.00	1.0000	4.00	_____
App by air Defoliant	acre	4.50	2.0000	9.00	_____
HARVEST AIDS					
Def 6	pt	5.76	1.1600	6.69	_____
Finish 6	pt	9.16	0.2500	2.29	_____
Dropp 50 WP	lb	56.37	0.1000	5.64	_____
Ethephon	pint	4.94	2.0000	9.88	_____
FERTILIZERS					
0-45-60	lbs	0.09	100.0000	9.75	_____
Boron (Solubor)	lb	0.75	5.0000	3.75	_____
Liquid Nitrogen 32%	lb	0.08	312.0000	27.14	_____
FUNGICIDES					
Ridomil Gold PC	lb	1.83	7.0000	12.81	_____
HERBICIDES					
2,4-D Amine 4	pt	1.55	1.5000	2.33	_____
Glyphosate Plus 4L	pt	4.78	4.5000	21.51	_____
Cotoran 4L	pt	4.46	1.0000	4.46	_____
Staple	oz	18.50	0.6000	11.10	_____
Caparol 4L	pt	3.58	0.7500	2.69	_____
Direx 80 DF	lb	3.43	0.3300	1.13	_____
INSECTICIDES					
Temik 15G Grit	lb	3.30	3.0000	9.90	_____
Baythroid 2	oz	2.59	0.2000	0.52	_____
Orthene 90S	lb	9.00	0.3300	2.97	_____
Pyrethroid	acre	5.50	1.0000	5.50	_____
Bidrin 8L	oz	0.71	8.0000	5.68	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.14	40.0000	5.60	_____
CROP SEED					
Cotton Seed BtRR	lb	1.50	10.0000	15.00	_____
TECHNOLOGY FEE					
BtRR Cott Tech Fee S	lb	3.60	10.0000	36.00	_____
Eradication Fee SEZ	acre	6.00	2.0000	12.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.48	26.0000	12.48	_____
SERVICE FEE					
Insect Scouting	acre	8.00	1.0000	8.00	_____
CUSTOM FERT/LIME					
Custom Apply Fert	acre	4.00	3.0000	12.00	_____
OPERATOR LABOR					
Tractors	hour	9.02	0.6883	6.21	_____
Self-Propelled	hour	9.02	0.4515	4.07	_____
IRRIGATION LABOR					
Furrow Irrigation	hour	6.44	0.2986	1.92	_____
HAND LABOR					
Implements	hour	6.44	0.2998	1.94	_____
DIESEL FUEL					
Tractors	gal	0.85	6.7102	5.72	_____
Self-Propelled	gal	0.85	4.9138	4.18	_____
Furrow Irrigation	gal	0.85	11.9478	10.16	_____
REPAIR & MAINTENANCE					
Implements	acre	3.25	1.0000	3.25	_____
Tractors	acre	5.09	1.0000	5.09	_____
Self-Propelled	acre	12.32	1.0000	12.32	_____
Furrow Irrigation	acin	0.23	12.0000	2.76	_____
INTEREST ON OP. CAP.	acre	8.74	1.0000	8.74	_____
TOTAL DIRECT EXPENSES				336.67	_____
FIXED EXPENSES					
Implements	acre	7.21	1.0000	7.21	_____
Tractors	acre	11.44	1.0000	11.44	_____
Self-Propelled	acre	44.16	1.0000	44.16	_____
Furrow Irrigation	each	2025.75	0.0083	16.88	_____
TOTAL FIXED EXPENSES				79.69	_____
TOTAL SPECIFIED EXPENSES				416.36	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-till, Bt/RR, Furrow Irrigated, 8 Row Equip. Southeast Boll Weevil Eradication Zone, Arkansas, 2004**

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-----				
Stalk Shredder	24'	MFWD 190	0.069	1.00	Nov	1.10	1.19	0.36	1.10	0.06	0.62					4.37
App by Air herbicide	acre			1.00	Feb							1.0000	4.50	4.50		4.50
2,4-D Amine 4	pt											1.5000	1.55	2.33		2.33
Custom Apply Fert	acre			1.00	Mar							1.0000	4.00	4.00		4.00
0-45-60	lbs											100.0000	0.09	9.75		9.75
Boron (Solubor)	lb											5.0000	0.75	3.75		3.75
Sprayer(600-750 Gal)		60'	0.015	1.00	Mar	0.60	0.72			0.01	0.14					1.46
Glyphosate Plus 4L	pt											1.5000	4.78	7.17		7.17
Plant & Pre Rigid	8R-40	MFWD 190	0.073	1.00	May	1.17	1.26	0.65	1.21	0.14	1.13					5.42
Cotton Seed BtRR	lb											10.0000	1.50	15.00		15.00
BtRR Cott Tech Fee	S lb											10.0000	3.60	36.00		36.00
Temik 15G Grit	lb											3.0000	3.30	9.90		9.90
Ridomil Gold PC	lb											7.0000	1.83	12.81		12.81
Cotoran 4L	pt											1.0000	4.46	4.46		4.46
Baythroid 2	oz											0.2000	2.59	0.52		0.52
Eradication Fee SEZ	acre			1.00	May							1.0000	6.00	6.00		6.00
Custom Apply Fert	acre			1.00	May							1.0000	4.00	4.00		4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57		13.57
Spray (Bcast/HB/HD)	27'	2WD 190	0.061	1.00	May	0.92	0.93	0.29	0.44	0.09	0.75					3.33
Glyphosate Plus 4L	pt											1.0000	4.78	4.78		4.78
Staple	oz											0.6000	18.50	11.10		11.10
Spray (Direct/Layby)	8R-40	2WD 190	0.062	1.00	May	0.94	0.94	0.13	0.23	0.09	0.76					3.00
Glyphosate Plus 4L	pt											1.0000	4.78	4.78		4.78
Caparol 4L	pt											0.7500	3.58	2.69		2.69
Custom Apply Fert	acre			1.00	Jun							1.0000	4.00	4.00		4.00
Liquid Nitrogen 32%	lb											156.0000	0.08	13.57		13.57
App by Air ( 3 gal)	appl			1.00	Jun							1.0000	3.00	3.00		3.00
Mepiquat Chloride	oz											4.0000	0.48	1.92		1.92
Orthene 90S	lb											0.3300	9.00	2.97		2.97
Spray (Direct/Hood)	8R-40	2WD 190	0.062	1.00	Jun	0.94	0.94	0.23	0.35	0.09	0.76					3.22
Glyphosate Plus 4L	pt											1.0000	4.78	4.78		4.78
Direx 80 DF	lb											0.3300	3.43	1.13		1.13
Roll-Out Pipe	ft			1.00	Jun							40.0000	0.14	5.60		5.60
Eradication Fee SEZ	acre			1.00	Jul							1.0000	6.00	6.00		6.00
Insect Scouting	acre			1.00	Jul							1.0000	8.00	8.00		8.00
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	3.00	3.00		3.00
Mepiquat Chloride	oz											10.0000	0.48	4.80		4.80
Pyrethroid	acre											1.0000	5.50	5.50		5.50
App by Air ( 5 gal)	appl			1.00	Aug							1.0000	4.00	4.00		4.00
Bidrin 8L	oz											8.0000	0.71	5.68		5.68
Mepiquat Chloride	oz											12.0000	0.48	5.76		5.76

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-till, Bt/RR, Furrow Irrigated, 8 Row Equip. Southeast Boll Weevil Eradication Zone, Arkansas, 2004, (continued)**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----						-----dollars-----			
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def 6	pt											0.5000	5.76	2.88	2.88
Finish 6	pt											0.2500	9.16	2.29	2.29
Dropp 50 WP	lb											0.1000	56.37	5.64	5.64
App by air Defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def 6	pt											0.6600	5.76	3.80	3.80
Ethephon	pint											2.0000	4.94	9.88	9.88
Module Builder-1st	32'4R40255	MFWD 190	0.124	1.00	Oct	1.98	2.14	0.66	1.61	0.24	1.92				8.31
Cotton Picker-1st-BB		4R40"255hp	0.259			11.36	31.03			0.31	2.81				45.20
Boll Buggy-1st pick	4R40 255hp	MFWD 190	0.124	1.00	Oct	1.98	2.14	0.48	1.17	0.12	1.12				6.89
Cotton Picker-2nd-BB		4R40"255hp	0.207	0.50	Oct	4.54	12.41			0.12	1.12				18.07
Module Builder-2nd	32'4R40255	2WD 150	0.103	0.10	Oct	0.13	0.13	0.05	0.13	0.02	0.16				0.60
Boll Buggy-2nd pick	4R40 255hp	MFWD 190	0.103	1.00	Oct	1.65	1.77	0.40	0.97	0.10	0.93				5.72
Furrow Irrigation	each			1.00	Jun						16.88	0.0083			16.88
Application 1	acin			1.00	Jun			3.23		0.07	0.48	3.0000			3.71
Application 2	acin			1.00	Jul			3.23		0.07	0.48	3.0000			3.71
Application 3	acin			1.00	Jul			3.23		0.07	0.48	3.0000			3.71
Application 4	acin			1.00	Aug			3.23		0.07	0.48	3.0000			3.71
TOTALS						27.31	55.60	16.17	24.09	1.73	14.14			270.31	407.62
INTEREST ON OPERATING CAPITAL															8.74
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															416.36

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.

**Table 3. Alternative Cotton Production Practices, and which cotton budgets contain them.**

<b>Production Practice</b>	<b>Cost per acre*</b>	<b>Budget No.</b>
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$13.08	None
Larvin (1 gal./ 3.5 acres)	\$16.82	None
Tracer (1 gal./ 64 acres)	\$11.72	Most
Tracer (1/2 rate) + Pyretheroid	\$11.36	None
Defoliation for Irrigated Cotton	\$32.83	Most
Defoliation for Dryland Cotton	\$12.39	AG 762, 766, 770, 774
Gaucho seed treatment	\$0.97/lb. of seed	Most
Harvest 4 row harvester, first pick	\$45.20	AG 762, 763, 765-767, 770, 771, 774, 775
4 row harvester, second pick	\$36.14	None
6 row harvester, (38" rows), first pick	\$38.73	AG 764, 768, 769, 772, 773, 776, 777
6 row harvester, (38" rows), second pick	\$32.44	None
Irrigation, furrow (3 ac. in)	\$3.71 per app. Plus a fixed cost of \$16.88	Most
Irrigation, center pivot (1 ac. in)	\$2.73 per app. Plus a fixed cost of \$49.86	AG 769, 772, 776
Irrigation, towable center pivot (1 ac. In)	\$2.93 per app. Plus a fixed cost of \$31.32	None
Irrigation, furrow, stationary relift (3 ac. in)	\$2.59 per app. Plus a fixed cost of \$16.61	None
Module Builder	\$7.20	All
Row cultivate plus directed spray	\$5.73 + material	None
Staple herbicide banded application (0.6 oz)	\$11.10	Most
Prowl, and Incorporate (1.2 pints)	\$6.75	None
Treflan, Incorporator application (0.75 pints)	\$6.68	None
Treflan and Incorporate (1.5 pints)	\$8.64	None

\* Machinery costs per acre assume that each machine is fully utilized on the farm.

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View and print all of the Arkansas crop budgets at <http://www.aragriculture.org/farmplanning/Budgets/default.asp>