

## Estimating 2001 Costs of Production

### Cotton, Non-Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2001

AG-618-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	0.87	10.0000	8.70	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	1.0000	4.50	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	80.0000	18.24	_____
HARVEST AIDS					
Def or Folex	pint	5.25	0.4000	2.10	_____
Dropp	lb	48.00	0.0700	3.36	_____
Ethephon	pint	6.38	0.3300	2.10	_____
HERBICIDES					
Treflan 4EC	pint	3.00	1.5000	4.50	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	10.0000	9.70	_____
Orthene 90S	lb	9.08	0.8300	7.53	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
Larvin 3.2	ounce	0.44	36.6000	16.10	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3766	2.40	_____
Tractors	hour	6.39	1.8361	11.73	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
DIESEL FUEL					
Tractors	gal	1.09	16.5804	18.07	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
REPAIR & MAINTENANCE					
Implements	acre	6.28	1.0000	6.28	_____
Tractors	acre	11.77	1.0000	11.77	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
INTEREST ON OP. CAP.	acre	12.99	1.0000	12.99	_____
TOTAL DIRECT EXPENSES				322.06	_____
FIXED EXPENSES					
Implements	acre	13.57	1.0000	13.57	_____
Tractors	acre	26.94	1.0000	26.94	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
TOTAL FIXED EXPENSES				75.38	_____
TOTAL SPECIFIED EXPENSES				397.45	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Subsoiler, 9 shank	15'	mwmf 225	0.216	1.00	Mar	5.00	4.59	0.45	1.04	0.280	1.79					12.88
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00		4.00
P205	unit											46.0000	0.23	10.85		10.85
K20	unit											60.0000	0.12	7.74		7.74
Boron	unit											1.0000	3.30	3.30		3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44					3.18
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43					3.03
Treflan 4EC	pint											1.5000	3.00	4.50		4.50
Water tank	1000 gal	mwmf 190	0.131	0.05	Apr	0.13	0.12	0.00	0.00	0.008	0.05					0.32
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58					3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58					3.84
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50		17.50
Bed conditioner	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.18	0.39	0.067	0.43					3.03
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02					7.51
Cotton seed	lb											10.0000	0.87	8.70		8.70
Cotoran 4L	pint											1.0000	4.50	4.50		4.50
Staple	ounce											0.3000	21.00	6.30		6.30
Gaucho	lb											10.0000	0.97	9.70		9.70
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00		4.00
N (actual)	unit											80.0000	0.22	18.24		18.24
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84					4.55
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84					4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04					5.03
Caparol 4L	pint											0.5000	3.88	1.94		1.94
MSMA	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04					5.03
Direx 80DF	lb											0.3300	4.43	1.46		1.46
MSMA	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25		3.25
Orthene 90S	lb											0.3300	9.08	2.99		2.99
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00		8.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50		17.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Orthene 90S	lb											0.5000	9.08	4.54		4.54
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00		4.00
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25		3.25
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25		3.25
Larvin 3.2	ounce											36.6000	0.44	16.10		16.10
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50		4.50
Def or Folex	pint											0.4000	5.25	2.10		2.10
Dropp	lb											0.0700	48.00	3.36		3.36
Ethephon	pint											0.3300	6.38	2.10		2.10

**Table 2. Estimated resource use and costs for field operations, per acre**  
**Cotton, Non-Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Sep			18.34	24.58	0.330	2.10				45.03
Module builder	32'	2wd 170	0.220	1.00	Sep	3.75	3.30	1.02	2.79	0.242	1.54				12.41
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Sep	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	2wd 170	0.220	0.10	Oct	0.37	0.33	0.10	0.27	0.024	0.15				1.24
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	2.07	1.83	0.50	0.46	0.178	1.13				6.00
TOTALS						29.84	26.94	32.29	48.43	2.680	17.13			229.79	384.45
INTEREST ON OPERATING CAPITAL															12.99
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															397.45

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

### Cotton, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2001

AG-619-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	4.0000	16.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.2500	6.56	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.4100	4.10	_____
Pyrethroid	acre	7.50	3.0000	22.50	_____
Orthene 90S	lb	9.08	0.5000	4.54	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	Acres	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5494	3.51	_____
Tractors	hour	6.39	1.8816	12.02	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	16.6441	18.14	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.98	1.0000	6.98	_____
Tractors	acre	11.99	1.0000	11.99	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.20	1.0000	14.20	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>407.88</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.21	1.0000	14.21	_____
Tractors	acre	27.44	1.0000	27.44	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				<b>82.57</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>490.45</b>	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov										4.00
P205	unit											1.0000	4.00	4.00	4.00
K20	unit											46.0000	0.23	10.85	10.85
Boron	unit											60.0000	0.12	7.74	7.74
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44	1.0000	3.30	3.30	3.30
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.84
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	3.03
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				17.50
Prowl 4EC	pint											1.2000	2.50	3.00	3.90
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				3.00
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				0.23
Cotton seed	lb											10.0000	0.87	8.70	7.99
Temik 15G	lb											3.0000	3.60	10.80	8.70
Terraclor SE granul	lb											7.0000	2.12	14.84	10.80
Cotoran 4L	pint											1.0000	4.50	4.50	14.84
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				4.50
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	0.19
N (actual)	unit											50.0000	0.22	11.40	4.00
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				4.55
Staple	ounce											0.3000	21.00	6.30	5.03
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				6.30
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	0.19
N (actual)	unit											50.0000	0.22	11.40	4.00
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				11.40
Caparol 4L	pint											0.5000	3.88	1.94	5.03
MSMA	pint											1.3300	2.25	2.99	1.94
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				2.99
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				0.19
Caparol 4L	pint											0.5000	3.88	1.94	5.03
MSMA	pint											1.3300	2.25	2.99	1.94
Mepiquat Chloride	ounce											4.0000	0.82	3.28	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	0.19
Bidrin 8EC	pint											0.4100	10.00	4.10	3.25
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				4.10
Goal 2XL	pint											0.5000	10.90	5.45	5.03
MSMA	pint											1.3300	2.25	2.99	5.45
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				2.99
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	0.19
Furrow irrg - cotton	ac in			1.00	Jun							3.0000			5.75
Cotton insect scout	acre			1.00	Jul				3.91	16.33	0.075	0.47			20.72
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Pyrethroid	acre											1.0000	3.25	3.25	3.25
Mepiquat Chloride	ounce											1.0000	7.50	7.50	7.50
Eradication Fee SEZ	Acre			1.00	Jul							10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul				3.91	0.075	0.47	1.0000	17.50	17.50	17.50
Cstm ap air 5 gal	acre			1.00	Jul							3.0000			4.39
Pyrethroid	acre											1.0000	4.00	4.00	4.00
Orthene 90S	lb											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											0.5000	9.08	4.54	4.54
Furrow irrg - cotton	ac in			1.00	Jul				3.91	0.075	0.47	12.0000	0.82	9.84	9.84
												3.0000			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001 (continued)**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23	1.5000			2.19	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Pyrethroid	acre											1.0000	7.50	7.50	7.50	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air 5 gal	acre			1.00	Sep							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											0.3300	6.38	2.10	2.10	
Def or Folex	pint											0.5000	5.25	2.62	2.62	
Drpp	lb											0.1000	48.00	4.80	4.80	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											2.0000	6.38	12.76	12.76	
Def or Folex	pint											0.7500	5.25	3.93	3.93	
Cotton picker-1st-BB	4R40"325hp			0.165	1.00	Oct			18.34	24.58	0.330	2.10			45.03	
Module builder	32'	mwmf 190		0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54			13.93	
Boll Buggy	4 Bale	2wd 170		0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82			12.42	
TOTALS								30.13	27.44	39.02	55.12	3.023	19.32		305.20	476.25
INTEREST ON OPERATING CAPITAL																14.20
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																490.45

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2001 Costs of Production**  
**Cotton, Center Pivot Irrigation,**  
**130 Acres, Loamy Soils,**  
**Southeast Boll Weevil Eradication Zone, 2001**

AG-620-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	4.0000	16.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Gaucho	lb	0.97	10.0000	9.70	_____
Bidrin 8EC	pint	10.00	0.4100	4.10	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Tracer 4L	ounce	5.78	7.0000	40.46	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5543	3.54	_____
Tractors	hour	6.39	1.9329	12.35	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	17.1183	18.65	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.18	1.0000	7.18	_____
Tractors	acre	12.32	1.0000	12.32	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	14.54	1.0000	14.54	_____
<b>TOTAL DIRECT EXPENSES</b>				422.92	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.75	1.0000	14.75	_____
Tractors	acre	28.21	1.0000	28.21	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				128.86	_____
<b>TOTAL SPECIFIED EXPENSES</b>				551.78	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											10.0000	0.87	8.70	8.70
Gaucho	lb											10.0000	0.97	9.70	9.70
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.06	Jun	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05	1.0000			54.12
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jun			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.4100	10.00	4.10	4.10
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Tracer 4L	ounce											1.0000	5.78	5.78	5.78
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84



**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001 (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drop	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						30.98	28.21	54.49	100.64	3.011	19.24			303.65	537.23
INTEREST ON OPERATING CAPITAL															14.54
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															551.78

Does not include costs for land, overhead and management.

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**Estimating 2001 Costs of Production**  
**Cotton, Stale Seedbed, Furrow Irrigation,**  
**Mixed Soils,**  
**Southeast Boll Weevil Eradication Zone, 2001**

AG-621-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	4.0000	16.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
2,4-D Amine	pint	1.50	1.0000	1.50	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
Gramoxone Extra	pint	3.50	1.0000	3.50	_____
Glyphosate 4LB	pint	4.44	0.7500	3.33	_____
Treflan 4EC	pint	3.00	0.7500	2.25	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
MSMA	pint	2.25	2.6600	5.98	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Ammo	ounce	1.88	1.0000	1.88	_____
Bidrin 8EC	pint	10.00	0.4100	4.10	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	6.0000	34.68	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4283	2.73	_____
Tractors	hour	6.39	1.4828	9.47	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	13.5223	14.73	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	5.62	1.0000	5.62	_____
Tractors	acre	9.80	1.0000	9.80	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.83	1.0000	14.83	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>415.66</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	12.54	1.0000	12.54	_____
Tractors	acre	22.44	1.0000	22.44	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				<b>75.90</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>491.56</b>	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Flail shredder	20'	mwmf 190	0.143	1.00	Oct	2.85	2.70	0.52	0.94	0.185	1.18				8.23
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Ripr hipr 8r@38"	25'	mwmf 190	0.078	1.00	Oct	1.55	1.47	0.29	0.58	0.101	0.64				4.56
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Oct	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50	4.50
2,4-D Amine	pint											1.0000	1.50	1.50	1.50
Fert Appl (liquid)	6R-38	mwmf 190	0.098	1.00	Mar	1.95	1.85	0.44	1.13	0.107	0.68				6.08
Caparol 4L	pint											0.5000	3.88	1.94	1.94
Gramoxone Extra	pint											1.0000	3.50	3.50	3.50
Water tank	1000 gal	170	0.131	0.06	Mar	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Sprayer, broadcast	26.67'	mwmf 190	0.095	0.10	Apr	0.18	0.18	0.01	0.03	0.015	0.09				0.51
Glyphosate 4LB	pint											0.1250	4.44	0.55	0.55
Water tank	1000 gal	170	0.131	0.01	Apr	0.01	0.00	0.00	0.00	0.001	0.01				0.03
Incorporator + spry	25.5'	mwmf 190	0.063	1.00	Apr	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Treflan 4EC	pint											0.7500	3.00	2.25	2.25
Water tank	1000 gal	170	0.131	0.05	Apr	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											10.0000	0.87	8.70	8.70
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Ammo	ounce											1.0000	1.88	1.88	1.88
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Eradication Fee SEZ	Acres			1.00	May							1.0000	17.50	17.50	17.50
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Sprayer, Hooded	25.5'	2wd 150	0.100	1.00	Jun	1.51	1.33	0.42	0.92	0.160	1.02				5.21
Staple	ounce											0.6000	21.00	12.60	12.60
Glyphosate 4LB	pint											0.6250	4.44	2.77	2.77
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Sprayer, dir 8r@38"	25.33'	2wd 150	0.100	1.00	Jun	1.51	1.33	0.12	0.26	0.160	1.02				4.26
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.06	Jun	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.4100	10.00	4.10	4.10
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			3.91	16.33	0.075	0.47	3.0000			20.72
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47	3.0000			4.39
Eradication Fee SEZ	Acres			1.00	Jul							1.0000	17.50	17.50	17.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47	3.0000			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001(continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drapp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
TOTALS						24.54	22.44	37.66	53.45	2.503	15.99			322.61	476.73
INTEREST ON OPERATING CAPITAL															14.83
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															491.56

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

### Cotton, Bt, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, 2001

AG-622-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed (Bt)	lb	1.00	10.0000	10.00	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	Acres	17.50	2.0000	35.00	_____
Tech Fee (BG Small)	LB	3.02	10.0000	30.20	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5538	3.53	_____
Tractors	hour	6.39	1.9300	12.33	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	17.0923	18.63	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.17	1.0000	7.17	_____
Tractors	acre	12.31	1.0000	12.31	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.34	1.0000	14.34	_____
<b>TOTAL DIRECT EXPENSES</b>				393.66	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.75	1.0000	14.75	_____
Tractors	acre	28.19	1.0000	28.19	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				94.14	_____
<b>TOTAL SPECIFIED EXPENSES</b>				487.80	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Bt, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----						-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed (Bt)	lb											10.0000	1.00	10.00	10.00
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Tech Fee (BG Small)	LB											10.0000	3.02	30.20	30.20
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert dry acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton ac in				1.00	Jun							3.0000			20.72
Cotton insect scout	acre			1.00	Jul				3.91	16.33	0.075	1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Furrow irrg - cotton ac in				1.00	Jul				3.91		0.075	3.0000			4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton ac in				1.00	Jul				3.91		0.075	3.0000			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Bt, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001 (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Furrow irrg - cotton ac in				1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
TOTALS						30.94	28.19	46.89	65.94	3.214	20.53			280.94	473.46
INTEREST ON OPERATING CAPITAL															14.34
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															487.80

Does not include costs for land, overhead and management.

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**Estimating 2001 Costs of Production**  
**Cotton, BXN System, Furrow Irrigation,**  
**Loamy Soils,**  
**Southeast Boll Weevil Eradication Zone, 2001**

AG-623-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton Seed BXN	lb	1.44	10.0000	14.40	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	4.0000	16.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Buctril 4EC	pint	14.25	2.0000	28.50	_____
Assure II	ounce	0.92	8.0000	7.36	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	1.3300	2.99	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.4000	4.00	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	6.0000	34.68	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4782	3.05	_____
Tractors	hour	6.39	1.6665	10.64	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	14.7893	16.12	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.15	1.0000	6.15	_____
Tractors	acre	10.66	1.0000	10.66	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	15.30	1.0000	15.30	_____
<b>TOTAL DIRECT EXPENSES</b>				428.21	_____
<b>FIXED EXPENSES</b>					
Implements	acre	12.52	1.0000	12.52	_____
Tractors	acre	24.41	1.0000	24.41	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				77.86	_____
<b>TOTAL SPECIFIED EXPENSES</b>				506.07	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils Southeast Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee SEZ	Acre			1.00	Apr							1.0000	17.50	17.50	17.50
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton Seed BXN	lb											10.0000	1.44	14.40	14.40
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + BC spray	26.67'	2wd 150	0.097	1.00	Jun	1.46	1.29	0.42	0.71	0.155	0.99				4.89
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Assure II	ounce											8.0000	0.92	7.36	7.36
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.4000	10.00	4.00	4.00
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Furrow irrg - cotton ac in				1.00	Jun			3.91	16.33	0.075	0.47	3.0000			20.72
Flex irrigation tube	acre											1.0000	5.75	5.75	5.75
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Eradication Fee SEZ	Acres			1.00	Jul							1.0000	17.50	17.50	17.50
Furrow irrg - cotton ac in				1.00	Jul			3.91		0.075	0.47	3.0000			4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton ac in				1.00	Jul			3.91		0.075	0.47	3.0000			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001 (continued)**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Furrow irrg - cotton ac in				1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Sep							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drpp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
TOTALS						26.78	24.41	38.19	53.44	2.737	17.49			330.43	490.77
INTEREST ON OPERATING CAPITAL															15.30
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															506.07

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2001 Costs of Production**  
**Cotton, No-Till, Bt, Furrow Irrigation,**  
**Loamy Soils,**  
**Southeast Boll Weevil Eradication Zone, 2001**

AG-624-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed (Bt)	lb	1.00	10.0000	10.00	_____
<b>CUSTOM WORK</b>					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	90.0000	11.61	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Ridomil PC 11G	lb	1.67	7.0000	11.69	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Clarity	pint	10.50	0.5000	5.25	_____
Glyphosate 4LB	pint	4.44	1.5000	6.66	_____
Gramoxone Extra	pint	3.50	6.5000	22.75	_____
Surfactant SL(80-20)	pint	1.10	0.8250	0.90	_____
Staple	ounce	21.00	0.7000	14.70	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Dual Magnum	pint	11.50	0.5000	5.75	_____
Direx 80DF	lb	4.43	2.7500	12.18	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	2.6800	6.03	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Baythroid	ounce	3.01	0.2000	0.60	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Tech Fee (BG Small)	LB	3.02	10.0000	30.20	_____
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.3040	1.94	_____
Tractors	hour	6.39	1.1891	7.59	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	10.0288	10.93	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	4.96	1.0000	4.96	_____
Tractors	acre	6.84	1.0000	6.84	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	17.20	1.0000	17.20	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>424.85</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	11.79	1.0000	11.79	_____
Tractors	acre	15.66	1.0000	15.66	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				<b>78.64</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>503.50</b>	_____

Does not include costs for land, overhead and management.

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, No-till, Bt, Furrow Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Flail shredder	20'	2wd 190	0.143	1.00	Nov	2.71	2.38	0.52	0.94	0.185	1.18				7.76
Cstm ap air herbicid acre				1.00	Feb							1.0000	4.50	4.50	4.50
Clarity	pint											0.5000	10.50	5.25	5.25
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											90.0000	0.12	11.61	11.61
Boron	unit											1.0000	3.30	3.30	3.30
Sprayer, broadcast	47'	2wd 105	0.054	1.00	Mar	0.57	0.50	0.18	0.35	0.086	0.55				2.16
Gramoxone Extra	pint											2.0000	3.50	7.00	7.00
Surfactant SL(80-20)	pint											0.2000	1.10	0.22	0.22
Plant+spr dir 8r@38"	25.33'	2wd 190	0.100	1.00	May	1.89	1.66	0.80	1.78	0.160	1.02				7.18
Cotton seed (Bt)	lb											10.0000	1.00	10.00	10.00
Tech Fee (BG Small)	Lb											10.0000	3.02	30.20	30.20
Temik 15G	lb											3.0000	3.60	10.80	10.80
Ridomil PC 11G	lb											7.0000	1.67	11.69	11.69
Baythroid	ounce											0.2000	3.01	0.60	0.60
Staple	ounce			1.00	May							0.1500	21.00	3.15	3.15
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Dual Magnum	pint											0.5000	11.50	5.75	5.75
Gramoxone Extra	pint											1.0000	3.50	3.50	3.50
Surfactant SL(80-20)	pint											0.1250	1.10	0.13	0.13
Eradication Fee SEZ Acre				1.00	May							1.0000	17.50	17.50	17.50
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											90.0000	0.22	20.52	20.52
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	May	1.89	1.66	0.42	0.92	0.160	1.02				5.93
Staple	ounce											0.5500	21.00	11.55	11.55
Direx 80DF	lb											1.0000	4.43	4.43	4.43
Gramoxone Extra	pint											1.4000	3.50	4.90	4.90
Surfactant SL(80-20)	pint											0.2500	1.10	0.27	0.27
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.89	1.66	0.42	0.92	0.160	1.02				5.93
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3400	2.25	3.01	3.01
Caparol 4L	pint											0.5000	3.88	1.94	1.94
Gramoxone Extra	pint											1.0500	3.50	3.67	3.67
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Furrow irrg - cotton ac in				1.00	Jun							3.0000			20.72
Flex irrigation tube acre				1.00	Jun							1.0000	5.75	5.75	5.75
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.89	1.66	0.42	0.92	0.160	1.02				5.93
Direx 80DF	lb											0.7500	4.43	3.32	3.32
MSMA	pint											1.3400	2.25	3.01	3.01
Direx 80DF	lb											1.0000	4.43	4.43	4.43
Gramoxone Extra	pint											1.0500	3.50	3.67	3.67
Surfactant SL(80-20)	pint											0.2500	1.10	0.27	0.27
Eradication Fee SEZ Acre				1.00	Jul							1.0000	17.50	17.50	17.50
Cotton insect scout acre				1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton ac in				1.00	Jul							3.0000			4.39
Furrow irrg - cotton ac in				1.00	Jul							3.0000			4.39
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton ac in				1.00	Aug			1.95		0.037	0.23	1.5000			2.19

**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, No-till, Bt, Furrow Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001, continued.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.6600	5.25	3.46	3.46
Ethephon	pint											2.0000	6.38	12.76	12.76
Module builder	32'	2wd 105	0.220	1.00	Oct	2.32	2.05	1.02	2.79	0.242	1.54				9.75
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						17.77	15.66	44.67	62.98	2.223	14.20			330.98	486.29
INTEREST ON OPERATING CAPITAL															17.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															503.50

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2001 Costs of Production**  
**Cotton, No-Till, Bollgard/Roundup Ready,**  
**Furrow Irrigation, Loamy Soils,**  
**Southeast Boll Weevil Eradication Zone, 2001**

AG-625-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton Seed (BGRR)	lb	1.01	10.0000	10.10	_____
<b>CUSTOM WORK</b>					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	90.0000	11.61	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Ridomil PC 11G	lb	1.67	7.0000	11.69	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Def or Folex	pint	5.25	1.1600	6.09	_____
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
2-4D Salvo	pt	1.57	1.5000	2.35	_____
Glyphosate 4LB	pint	4.44	7.8000	34.63	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Baythroid	ounce	3.01	0.2000	0.60	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Tech Fee (BGRR Lg)	lb	3.06	10.0000	30.60	_____
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.3688	2.35	_____
Tractors	hour	6.39	1.1768	7.52	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	9.9025	10.79	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	4.39	1.0000	4.39	_____
Tractors	acre	6.72	1.0000	6.72	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	15.44	1.0000	15.44	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>377.48</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	10.15	1.0000	10.15	_____
Tractors	acre	15.39	1.0000	15.39	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				<b>76.74</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>454.22</b>	_____

Does not include costs for land, overhead and management.

**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, No-till, Bt/RR, Furrow Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Flail shredder	20'	2wd 190	0.143	1.00	Nov	2.71	2.38	0.52	0.94	0.185	1.18				7.76
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50	4.50
2-4D Salvo	pt											1.5000	1.57	2.35	2.35
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											90.0000	0.12	11.61	11.61
Boron	unit											1.0000	3.30	3.30	3.30
Sprayer, broadcast	47'	2wd 105	0.054	1.00	Mar	0.57	0.50	0.18	0.35	0.086	0.55				2.16
Glyphosate 4LB	pint											2.0000	4.44	8.88	8.88
Plntr & hbox 8r@38"	25.33'	2wd 190	0.091	1.00	May	1.72	1.51	0.74	1.26	0.218	1.39				6.65
Cotton Seed (BGRR)	lb											10.0000	1.01	10.10	10.10
Tech Fee (BGRR Lg)	lb											10.0000	3.06	30.60	30.60
Temik 15G	lb											3.0000	3.60	10.80	10.80
Ridomil PC 11G	lb											7.0000	1.67	11.69	11.69
Baythroid	ounce											0.2000	3.01	0.60	0.60
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											90.0000	0.22	20.52	20.52
Sprayer, broadcast	26.67'	2wd 190	0.095	1.00	May	1.80	1.58	0.16	0.36	0.152	0.97				4.88
Glyphosate 4LB	pint											2.0000	4.44	8.88	8.88
Sprayer, broadcast	26.67'	2wd 190	0.095	1.00	May	1.80	1.58	0.16	0.36	0.152	0.97				4.88
Glyphosate 4LB	pint											2.0000	4.44	8.88	8.88
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			3.91	16.33	0.075	0.47	3.0000			20.72
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.89	1.66	0.42	0.92	0.160	1.02				5.93
Glyphosate 4LB	pint											0.7500	4.44	3.33	3.33
Glyphosate 4LB	pint											1.0500	4.44	4.66	4.66
Eradication Fee SEZ	Acres			1.00	Jul							1.0000	17.50	17.50	17.50
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47	3.0000			4.39
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47	3.0000			4.39
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.5000	5.25	2.62	2.62
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Drpp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.6600	5.25	3.46	3.46
Ethephon	pint											2.0000	6.38	12.76	12.76

**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, No-till, Bt/RR, Furrow Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone,  
Arkansas, 2001, continued.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Module builder	32'	2wd 105	0.220	1.00	Oct	2.32	2.05	1.02	2.79	0.242	1.54				9.75
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						17.52	15.39	44.10	61.34	2.276	14.54			285.86	438.77
INTEREST ON OPERATING CAPITAL															15.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.22

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

### Cotton, Non-Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, 2001

AG-626-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	1.0000	4.50	_____
<b>FERTILIZER &amp; LIME</b>					
N (actual)	unit	0.22	80.0000	18.24	_____
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
<b>HARVEST AIDS</b>					
Def or Folex	pint	5.25	0.4000	2.10	_____
Dropp	lb	48.00	0.0700	3.36	_____
Ethephon	pint	6.38	0.3300	2.10	_____
<b>HERBICIDES</b>					
Treflan 4EC	pint	3.00	1.5000	4.50	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
<b>INSECTICIDES</b>					
Gaucho	lb	0.97	10.0000	9.70	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.3567	2.27	_____
Tractors	hour	6.39	1.7268	11.03	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	15.7413	17.15	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	5.99	1.0000	5.99	_____
Tractors	acre	11.19	1.0000	11.19	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
INTEREST ON OP. CAP.	acre	12.02	1.0000	12.02	_____
<b>TOTAL DIRECT EXPENSES</b>				294.28	_____
<b>FIXED EXPENSES</b>					
Implements	acre	13.07	1.0000	13.07	_____
Tractors	acre	25.61	1.0000	25.61	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
<b>TOTAL FIXED EXPENSES</b>				73.55	_____
<b>TOTAL SPECIFIED EXPENSES</b>				367.83	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre**  
**Cotton, Non-Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Subsoiler, 9 shank	15'	mwmf 225	0.216	1.00	Mar	5.00	4.59	0.45	1.04	0.280	1.79					12.88
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00		4.00
N (actual)	unit											30.0000	0.22	6.84		6.84
P205	unit											46.0000	0.23	10.85		10.85
K20	unit											60.0000	0.12	7.74		7.74
Boron	unit											1.0000	3.30	3.30		3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44					3.18
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43					3.03
Treflan 4EC	pint											1.5000	3.00	4.50		4.50
Water tank	1000 gal	mwmf 190	0.131	0.06	Apr	0.15	0.14	0.00	0.01	0.010	0.06					0.38
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58					3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58					3.84
Eradication Fee CZ	Acres			1.00	May							1.0000	15.00	15.00		15.00
Bed conditioner	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.18	0.39	0.067	0.43					3.03
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02					7.51
Cotton seed	lb											10.0000	0.87	8.70		8.70
Cotoran 4L	pint											1.0000	4.50	4.50		4.50
Staple	ounce											0.3000	21.00	6.30		6.30
Gaucho	lb											10.0000	0.97	9.70		9.70
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06					0.23
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84					4.55
Cstm ap air 3 gal	acre			1.00	May							1.0000	3.25	3.25		3.25
Bidrin 8EC	pint											0.3300	10.00	3.30		3.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04					5.03
Caparol 4L	pint											0.5000	3.88	1.94		1.94
MSMA	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00		4.00
N (actual)	unit											50.0000	0.22	11.40		11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04					5.03
Direx 80DF	lb											0.3300	4.43	1.46		1.46
MSMA	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00		8.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Eradication Fee CZ	Acres			1.00	Jul							1.0000	15.00	15.00		15.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Larvin 3.2	ounce											10.0000	0.44	4.40		4.40
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00		4.00
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25		3.25
Tracer 4L	ounce											2.0000	5.78	11.56		11.56

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, Arkansas, 2001 (continued)**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.4000	5.25	2.10	2.10
Dropp	lb											0.0700	48.00	3.36	3.36
Ethephon	pint											0.3300	6.38	2.10	2.10
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Sep			18.34	24.58	0.330	2.10				45.03
Module builder	32'	2wd 170	0.220	1.00	Sep	3.75	3.30	1.02	2.79	0.242	1.54				12.41
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Sep	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	2wd 170	0.220	0.10	Oct	0.37	0.33	0.10	0.27	0.024	0.15				1.24
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	2.07	1.83	0.50	0.46	0.178	1.13				6.00
TOTALS						28.34	25.61	32.00	47.93	2.551	16.30			205.60	355.81
INTEREST ON OPERATING CAPITAL															12.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															367.83

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

### Cotton, Furrow Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, 2001

AG-627-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	Acres	15.00	2.0000	30.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5494	3.51	_____
Tractors	hour	6.39	1.8816	12.02	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	16.6441	18.14	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.98	1.0000	6.98	_____
Tractors	acre	11.99	1.0000	11.99	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	13.68	1.0000	13.68	_____
<b>TOTAL DIRECT EXPENSES</b>				389.44	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.21	1.0000	14.21	_____
Tractors	acre	27.44	1.0000	27.44	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				82.57	_____
<b>TOTAL SPECIFIED EXPENSES</b>				472.02	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Central Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee CZ	Acre			1.00	May							1.0000	15.00	15.00	15.00
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											10.0000	0.87	8.70	8.70
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert dry	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			3.91	16.33	0.075	0.47				20.72
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Eradication Fee CZ	Acre			1.00	Jul							1.0000	15.00	15.00	15.00
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39

**Table 2. Estimated resource use and costs for field operations, per acre**  
**Cotton, Furrow Irrigation, Loamy Soils, Central Boll Weevil Eradication Zone, Arkansas, 2001 (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
TOTALS						30.13	27.44	39.02	55.12	3.023	19.32			287.28	458.34
INTEREST ON OPERATING CAPITAL															13.68
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															472.02

Does not include costs for land, overhead and management.

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**Estimating 2001 Costs of Production**  
**Cotton, Center Pivot Irrigated,**  
**130 acres, Loamy Soils,**  
**Central Boll Weevil Eradication Zone, 2001**

AG-628-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Gaicho	lb	0.97	10.0000	9.70	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5543	3.54	_____
Tractors	hour	6.39	1.9329	12.35	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	17.1183	18.65	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.18	1.0000	7.18	_____
Tractors	acre	12.32	1.0000	12.32	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	13.74	1.0000	13.74	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>399.37</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.75	1.0000	14.75	_____
Tractors	acre	28.21	1.0000	28.21	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				<b>128.86</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>528.24</b>	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Central Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee CZ	Acre			1.00	May							1.0000	15.00	15.00	15.00
Incorprovator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											10.0000	0.87	8.70	8.70
Gaucho	lb											10.0000	0.97	9.70	9.70
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.06	Jun	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05				54.12
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jun			3.04		0.008	0.05				3.09
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Eradication Fee CZ	Acre			1.00	Jul							1.0000	15.00	15.00	15.00
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84



**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Central Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						30.98	28.21	54.49	100.64	3.011	19.24			280.91	514.49
INTEREST ON OPERATING CAPITAL															13.74
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															528.24

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2001 Costs of Production**  
**Cotton, Stale Seedbed, Furrow Irrigated,**  
**Mixed Soils,**  
**Central Boll Weevil Eradication Zone, 2001**

AG-629-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	10.0000	8.70	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
2,4-D Amine	pint	1.50	1.0000	1.50	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
Gramoxone Extra	pint	3.50	1.0000	3.50	_____
Glyphosate 4LB	pint	4.44	0.7500	3.33	_____
Treflan 4EC	pint	3.00	0.7500	2.25	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
MSMA	pint	2.25	2.6600	5.98	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Ammo	ounce	1.88	1.0000	1.88	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.3822	2.44	_____
Tractors	hour	6.39	1.4932	9.54	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	13.6010	14.82	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	5.47	1.0000	5.47	_____
Tractors	acre	9.89	1.0000	9.89	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.08	1.0000	14.08	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>393.34</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	12.28	1.0000	12.28	_____
Tractors	acre	22.64	1.0000	22.64	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				<b>75.83</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>469.18</b>	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Central Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT		TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	
						-----dollars-----				dollars		-----dollars-----		
Flail shredder	20'	2wd 190	0.143	1.00	Oct	2.71	2.38	0.52	0.94	0.185	1.18			7.76
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00
P205	unit											46.0000	0.23	10.85
K20	unit											60.0000	0.12	7.74
Ripr hipr 8r@38"	25'	mwmf 190	0.078	1.00	Oct	1.55	1.47	0.29	0.58	0.101	0.64			4.56
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Oct	1.39	1.32	0.17	0.36	0.091	0.58			3.84
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50
2,4-D Amine	pint											1.0000	1.50	1.50
Fert Appl (liquid)	6R-38	mwmf 190	0.098	1.00	Mar	1.95	1.85	0.44	1.13	0.107	0.68			6.08
Caparol 4L	pint											0.5000	3.88	1.94
Gramoxone Extra	pint											1.0000	3.50	3.50
Water tank	1000 gal	2wd 170	0.131	0.12	Mar	0.26	0.23	0.01	0.02	0.020	0.13			0.66
Fert Appl (liquid)	6R-38	mwmf 190	0.098	0.10	Apr	0.19	0.18	0.04	0.11	0.010	0.06			0.60
Glyphosate 4LB	pint											0.1250	4.44	0.55
Water tank	1000 gal	2wd 170	0.131	0.01	Apr	0.02	0.01	0.00	0.00	0.001	0.01			0.05
Incorprovator	25.5'	mwmf 190	0.063	1.00	Apr	1.25	1.19	0.17	0.37	0.088	0.56			3.56
Treflan 4EC	pint											0.7500	3.00	2.25
Water tank	1000 gal	2wd 170	0.131	0.05	Apr	0.11	0.09	0.00	0.00	0.008	0.05			0.27
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53			7.99
Cotton seed	lb											10.0000	0.87	8.70
Temik 15G	lb											3.0000	3.60	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84
Cotoran 4L	pint											1.0000	4.50	4.50
Ammo	ounce											1.0000	1.88	1.88
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06			0.33
Eradication Fee CZ	Acre			1.00	May							1.0000	15.00	15.00
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40
Sprayer, Hooded	25.5'	2wd 150	0.100	1.00	Jun	1.51	1.33	0.42	0.92	0.160	1.02			5.21
Staple	ounce											0.6000	21.00	12.60
Glyphosate 4LB	pint											0.6250	4.44	2.77
Sprayer, dir 8r@38"	25.33'	2wd 150	0.100	1.00	Jun	1.51	1.33	0.12	0.26	0.160	1.02			4.26
Caparol 4L	pint											0.5000	3.88	1.94
MSMA	pint											1.3300	2.25	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05			0.27
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.29	0.50	0.132	0.84			4.55
Goal 2XL	pint											0.5000	10.90	5.45
MSMA	pint											1.3300	2.25	2.99
Water tank	1000 gal	2wd 170	0.131	0.12	Jun	0.26	0.23	0.01	0.02	0.020	0.13			0.66
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75
Furrow irrg - cotton ac in	acre			1.00	Jun			3.91	16.33	0.075	0.47	3.0000		20.72
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20
Furrow irrg - cotton ac in	acre			1.00	Jul			3.91		0.075	0.47	3.0000		4.39
Eradication Fee CZ	Acre			1.00	Jul							1.0000	15.00	15.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40
Mepiquat Chloride	ounce											12.0000	0.82	9.84
Furrow irrg - cotton ac in	acre			1.00	Jul			3.91		0.075	0.47	3.0000		4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Central Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT		TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	
						-----dollars-----				dollars		-----dollars-----		
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23	1.5000		2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10
Def or Folex	pint											0.5000	5.25	2.62
Dropp	lb											0.1000	48.00	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76
Def or Folex	pint											0.6600	5.25	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10			45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54			13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82			12.42
TOTALS						24.71	22.64	37.51	53.19	2.468	15.77			455.09
INTEREST ON OPERATING CAPITAL														14.08
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														469.18

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

### Cotton, Bt, Furrow Irrigated, Mixed Soils, Central Boll Weevil Eradication Zone, 2001

AG-630-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed (Bt)	lb	1.00	10.0000	10.00	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.0000	5.25	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
Tech Fee (BG Small)	LB	3.02	10.0000	30.20	_____
OPERATOR LABOR					
Implements	hour	6.39	0.5412	3.45	_____
Tractors	hour	6.39	1.9300	12.33	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
DIESEL FUEL					
Tractors	gal	1.09	17.0807	18.61	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
REPAIR & MAINTENANCE					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	12.47	1.0000	12.47	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.10	1.0000	14.10	_____
TOTAL DIRECT EXPENSES				387.87	_____
FIXED EXPENSES					
Implements	acre	14.57	1.0000	14.57	_____
Tractors	acre	28.54	1.0000	28.54	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				94.31	_____
TOTAL SPECIFIED EXPENSES				482.18	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Bt, Furrow Irrigation, Mixed Soils, Central Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee CZ	Acre			1.00	May							1.0000	15.00	15.00	15.00
Incorprovator	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.17	0.37	0.088	0.56				3.56
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed (Bt)	lb											10.0000	1.00	10.00	10.00
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Tech Fee (BG Small)	LB											10.0000	3.02	30.20	30.20
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun							3.0000			20.72
Cotton insect scout	acre			1.00	Jul				3.91	16.33	0.075	0.47			8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Eradication Fee CZ	Acre			1.00	Jul							1.0000	15.00	15.00	15.00
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Bt, Furrow Irrigation, Mixed Soils, Central Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST		
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST			
						dollars				dollars		dollars					
Furrow irrg - cotton ac in				1.00	Aug						0.037	0.23	1.5000				2.19
Cstm ap air defolant acre				1.00	Sep								1.0000	4.50	4.50		4.50
Finish 6LB	Pint												0.2500	10.33	2.58		2.58
Def or Folex	pint												0.5000	5.25	2.62		2.62
Dropp	lb												0.1000	48.00	4.80		4.80
Cstm ap air defolant acre				1.00	Sep								1.0000	4.50	4.50		4.50
Ethephon	pint												2.0000	6.38	12.76		12.76
Def or Folex	pint												0.5000	5.25	2.62		2.62
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82						12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10						45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54						13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88						18.83
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18						1.24
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15						1.39
TOTALS						31.09	28.54	46.80	65.77	3.201	20.45				275.40		468.07
INTEREST ON OPERATING CAPITAL																	14.10
UNALLOCATED LABOR																	0.00
TOTAL SPECIFIED COST																	482.18

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2001 Costs of Production**  
**Cotton, BXN System, Furrow Irrigated,**  
**Loamy Soils,**  
**Central Boll Weevil Eradication Zone, 2001**

AG-631-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton Seed BXN	lb	1.44	10.0000	14.40	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	100.0000	22.80	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Buctril 4EC	pint	14.25	2.0000	28.50	_____
Assure II	ounce	0.92	8.0000	7.36	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	1.3300	2.99	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4807	3.07	_____
Tractors	hour	6.39	1.6720	10.68	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	14.8317	16.16	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.13	1.0000	6.13	_____
Tractors	acre	10.69	1.0000	10.69	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	14.55	1.0000	14.55	_____
<b>TOTAL DIRECT EXPENSES</b>				406.30	_____
<b>FIXED EXPENSES</b>					
Implements	acre	12.49	1.0000	12.49	_____
Tractors	acre	24.48	1.0000	24.48	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				77.89	_____
<b>TOTAL SPECIFIED EXPENSES</b>				484.19	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Central Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee CZ	Acres			1.00	May							1.0000	15.00	15.00	15.00
Incorporator + spry	25.5'	mwmf 190	0.063	1.00	May	1.25	1.19	0.25	0.54	0.100	0.64				3.90
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton Seed BXN	lb											10.0000	1.44	14.40	14.40
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Assure II	ounce											8.0000	0.92	7.36	7.36
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert dry	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.22	11.40	11.40
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun				3.91	16.33	0.075	0.47			20.72
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Eradication Fee CZ	Acres			1.00	Jul							1.0000	15.00	15.00	15.00
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Central Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars				dollars		dollars				
Furrow irrg - cotton ac in				1.00	Aug			1.95		0.037	0.23	1.5000				2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00		4.00
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00		4.00
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50		4.50
Ethephon	pint											0.3300	6.38	2.10		2.10
Def or Folex	pint											0.5000	5.25	2.62		2.62
Dropp	lb											0.1000	48.00	4.80		4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50		4.50
Ethephon	pint											2.0000	6.38	12.76		12.76
Def or Folex	pint											0.6600	5.25	3.46		3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10					45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54					13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82					12.42
TOTALS						26.86	24.48	38.17	53.40	2.745	17.54			309.17		469.64
INTEREST ON OPERATING CAPITAL																14.55
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																484.19

Does not include costs for land, overhead and management.

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# Estimating 2001 Costs of Production Cotton, Ultra Narrow Row, Non-Irrigated, Roundup Ready, Mixed Soils, Central Boll Weevil Eradication Zone, 2001

AG-632-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton Seed/RR	LB	1.78	40.0000	71.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
0-15-30	lb	0.08	200.0000	16.50	_____
N (actual)	unit	0.22	70.0000	15.96	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
HARVEST AIDS					
Def or Folex	pint	5.25	1.0000	5.25	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.8000	4.50	_____
Glyphosate 4LB	pint	4.44	3.0000	13.32	_____
Staple	ounce	21.00	1.0000	21.00	_____
Gramoxone Extra	pint	3.50	1.6000	5.60	_____
Surfactant SL(80-20)	pint	1.10	0.2000	0.22	_____
INSECTICIDES					
Orthene 90S	lb	9.08	0.2200	1.99	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
TECHNOLOGY FEE					
Eradication Fee CZ	Acre	15.00	2.0000	30.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4299	2.74	_____
Tractors	hour	6.39	1.5361	9.81	_____
Self-Propelled Eq.	hour	6.39	0.6857	4.38	_____
DIESEL FUEL					
Tractors	gal	1.09	14.1064	15.37	_____
Self-Propelled Eq.	gal	1.09	2.7738	3.02	_____
REPAIR & MAINTENANCE					
Implements	acre	5.58	1.0000	5.58	_____
Tractors	acre	10.10	1.0000	10.10	_____
Self-Propelled Eq.	acre	3.93	1.0000	3.93	_____
INTEREST ON OP. CAP.	acre	14.05	1.0000	14.05	_____
TOTAL DIRECT EXPENSES				318.95	_____
FIXED EXPENSES					
Implements	acre	12.33	1.0000	12.33	_____
Tractors	acre	23.13	1.0000	23.13	_____
Self-Propelled Eq.	acre	6.33	1.0000	6.33	_____
TOTAL FIXED EXPENSES				41.81	_____
TOTAL SPECIFIED EXPENSES				360.76	_____

Does not include costs for land, overhead and management.

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of race, color, national origin, religion, gender, age, or disability, marital or veteran's status, or any other legally protected status, and is an Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Ultra Narrow Row, Non-Irrigated, Roundup Ready, Central Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Subsoiler, 9 shank	15'	mwmf 225	0.216	1.00	Mar	5.00	4.59	0.45	1.04	0.280	1.79				12.88
Field cultivator	25.5'	mwmf 190	0.054	1.00	Mar	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Cstm ap grd fert dry	acre			1.00	Apr										4.00
0-15-30	lb											1.0000	4.00	4.00	
Field cultivator	25.5'	mwmf 190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44	200.0000	0.08	16.50	16.50
Prowl 4EC	pint											1.8000	2.50	4.50	3.18
Water tank	1000 gal	170	0.131	0.06	Apr	0.10	0.05	0.00	0.01	0.010	0.06				4.50
Eradication Fee CZ	Acre			1.00	May							1.0000	15.00	15.00	0.23
Grain drill	20'	2wd 150	0.118	1.00	May	1.78	1.58	0.82	1.68	0.283	1.80				15.00
Cotton Seed/RR	LB											40.0000	1.78	71.20	7.68
Sprayer, broadcast	47'	2wd 150	0.054	1.00	May	0.81	0.72	0.18	0.35	0.086	0.55				71.20
Glyphosate 4LB	pint											1.5000	4.44	6.66	2.62
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				6.66
Sprayer, broadcast	47'	2wd 150	0.054	1.00	May	0.81	0.72	0.18	0.35	0.086	0.55				0.19
Orthene 90S	lb											0.2200	9.08	1.99	2.62
Glyphosate 4LB	pint											1.5000	4.44	6.66	1.99
Sprayer, broadcast	47'	2wd 150	0.054	1.00	May	0.81	0.72	0.18	0.35	0.086	0.55				6.66
Bidrin 8EC	pint											0.3300	10.00	3.30	2.62
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				3.30
Fertilizer spreader	32'	mwmf 190	0.052	1.00	May	1.03	0.98	0.22	0.40	0.067	0.43				0.19
N (actual)	unit											70.0000	0.22	15.96	3.09
Sprayer, broadcast	47'	2wd 150	0.054	1.00	Jun	0.81	0.72	0.18	0.35	0.086	0.55				2.62
Staple	ounce											1.0000	21.00	21.00	21.00
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											16.0000	0.82	13.12	13.12
Eradication Fee CZ	Acre			1.00	Jul							1.0000	15.00	15.00	15.00
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											1.0000	5.25	5.25	5.25
Ethephon	pint											2.0000	6.38	12.76	12.76
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Gramoxone Extra	pint											1.6000	3.50	5.60	5.60
Surfactant SL(80-20)	pint											0.2000	1.10	0.22	0.22
Cotton Striper	12.67'		0.200	1.00	Sep			6.96	6.33	0.685	4.38				17.67
Module builder	32'	mwmf 190	0.220	1.00	Sep	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Sep	3.75	3.30	0.95	2.59	0.286	1.82				12.42
TOTALS						25.48	23.13	12.54	18.67	2.651	16.94			249.92	346.71
INTEREST ON OPERATING CAPITAL															14.05
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															360.76

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

### Cotton, Non-Irrigated, Loamy Soils, Ridge Boll Weevil Eradication Zone, 2001

AG-633-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	0.87	12.0000	10.44	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	1.0000	4.50	_____
FERTILIZER & LIME					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	75.0000	17.10	_____
HARVEST AIDS					
Def or Folex	pint	5.25	0.4000	2.10	_____
Dropp	lb	48.00	0.0700	3.36	_____
Ethephon	pint	6.38	0.3300	2.10	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.2500	1.10	_____
INSECTICIDES					
Bidrin 8EC	pint	10.00	0.3000	3.00	_____
Vydate C-LV	pint	7.50	0.5000	3.75	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
TECHNOLOGY FEE					
Eradication Fee RZ	Acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4580	2.92	_____
Tractors	hour	6.39	1.9738	12.61	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
DIESEL FUEL					
Tractors	gal	1.09	18.1840	19.82	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
REPAIR & MAINTENANCE					
Implements	acre	7.14	1.0000	7.14	_____
Tractors	acre	13.14	1.0000	13.14	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
INTEREST ON OP. CAP.	acre	10.01	1.0000	10.01	_____
TOTAL DIRECT EXPENSES				247.01	_____
FIXED EXPENSES					
Implements	acre	15.32	1.0000	15.32	_____
Tractors	acre	30.07	1.0000	30.07	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
TOTAL FIXED EXPENSES				80.26	_____
TOTAL SPECIFIED EXPENSES				327.28	_____

Does not include costs for land, overhead and management.

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of race, color, national origin, religion, gender, age, or disability, marital or veteran's status, or any other legally protected status, and is an Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Ridge Boll Weevil Eradication Zone, Arkansas, 2001**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Subsoiler, 9 shank	15'	mwmf 225	0.216	1.00	Mar	5.00	4.59	0.45	1.04	0.280	1.79				12.88
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Triple K w/ sprayer	26.67'	mwmf 190	0.086	1.00	Apr	1.71	1.62	0.49	0.92	0.137	0.87				5.64
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	170	0.131	0.06	Apr	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee RZ	Acre			1.00	May							1.0000	7.50	7.50	7.50
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02				7.51
Cotton seed	lb											12.0000	0.87	10.44	10.44
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											75.0000	0.22	17.10	17.10
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Bidrin 8EC	pint											0.1000	10.00	1.00	1.00
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.2000	10.00	2.00	2.00
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.50	3.75	3.75
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Direx 80DF	lb											0.2500	4.43	1.10	1.10
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Eradication Fee RZ	Acre			1.00	Jul							1.0000	7.50	7.50	7.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Ridge Boll Weevil Eradication Zone, Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.4000	5.25	2.10	2.10
Dropp	lb											0.0700	48.00	3.36	3.36
Ethephon	pint											0.3300	6.38	2.10	2.10
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	2.07	1.83	0.50	0.46	0.178	1.13				6.00
TOTALS						32.96	30.07	33.15	50.19	2.899	18.53			152.35	317.27
INTEREST ON OPERATING CAPITAL															10.01
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															327.28

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

### Cotton, Furrow Irrigated, Loamy Soils, Ridge Boll Weevil Eradication Zone, 2001

AG-634-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Gaicho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	3.0000	22.50	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee RZ	Acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5285	3.37	_____
Tractors	hour	6.39	1.8708	11.95	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	16.9908	18.52	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.95	1.0000	6.95	_____
Tractors	acre	12.35	1.0000	12.35	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	12.54	1.0000	12.54	_____
<b>TOTAL DIRECT EXPENSES</b>				351.99	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.16	1.0000	14.16	_____
Tractors	acre	28.28	1.0000	28.28	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				83.35	_____
<b>TOTAL SPECIFIED EXPENSES</b>				435.35	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Ridge Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Triple K	31.5'	mwmf 190	0.044	1.00	May	0.87	0.83	0.22	0.48	0.057	0.36				2.78
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Eradication Fee RZ	Acre			1.00	May							1.0000	7.50	7.50	7.50
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											12.0000	0.87	10.44	10.44
Gaucho	lb											12.0000	0.97	11.64	11.64
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult + sprdir38"	25.33'	mwmf 190	0.102	1.00	Jun	2.03	1.93	0.40	0.68	0.163	1.04				6.09
Staple	ounce											0.6000	21.00	12.60	12.60
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	mwmf 190	0.102	1.00	Jun	2.03	1.93	0.40	0.68	0.163	1.04				6.09
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.12	Jun	0.21	0.10	0.01	0.02	0.020	0.13				0.47
Flex irrigation tube acre				1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton ac in				1.00	Jun			3.91	16.33	0.075	0.47				20.72
Cotton insect scout acre				1.00	Jun							1.0000	8.00	8.00	8.00
Eradication Fee RZ	Acre			1.00	Jul							1.0000	7.50	7.50	7.50
Furrow irrg - cotton ac in				1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton ac in				1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Ridge Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Furrow irrg - cotton ac in				1.00	Aug			1.95		0.037	0.23	1.5000			2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drop	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
TOTALS						30.87	28.28	38.99	55.07	2.991	19.11			250.45	422.80
INTEREST ON OPERATING CAPITAL															12.54
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															435.35

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.



# Estimating 2001 Costs of Production

## Cotton, Center Pivot Irrigated, 130 acres, Loamy Soils, Ridge Boll Weevil Eradication Zone, 2001

AG-635-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	2.0000	8.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.0000	5.25	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee RZ	Acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4545	2.90	_____
Tractors	hour	6.39	1.9280	12.32	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	17.0266	18.55	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.05	1.0000	7.05	_____
Tractors	acre	12.42	1.0000	12.42	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	12.12	1.0000	12.12	_____
<b>TOTAL DIRECT EXPENSES</b>				348.04	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.95	1.0000	14.95	_____
Tractors	acre	28.43	1.0000	28.43	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				129.28	_____
<b>TOTAL SPECIFIED EXPENSES</b>				477.33	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Ridge Boll Weevil Eradication Zone,  
Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Triple K	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.26	0.56	0.067	0.43				3.28
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Eradication Fee RZ	Acre			1.00	May							1.0000	7.50	7.50	7.50
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02				7.51
Cotton seed	lb											12.0000	0.87	10.44	10.44
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.6000	21.00	12.60	12.60
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05				54.12
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	2wd 105	0.131	0.05	Jun	0.06	0.06	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jun			3.04		0.008	0.05				3.09
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.12	Jun	0.26	0.23	0.01	0.02	0.020	0.13				0.66
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Eradication Fee RZ	Acre			1.00	Jul							1.0000	7.50	7.50	7.50
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Cstm ap air 3 gal	acre			1.00	Jul							1.0000			3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils Ridge Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----		-----dollars-----		-----dollars-----					
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.5000	5.25	2.62	2.62
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						30.98	28.43	54.36	100.84	2.906	18.57			232.00	465.20
INTEREST ON OPERATING CAPITAL															12.12
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															477.33

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

# Cotton, 12 Row Equip, Center Pivot, Loamy Soils, Ridge Boll Weevil Eradication Zone, 2001

AG-636-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	2.0000	8.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.0000	5.25	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	3.0000	22.50	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee RZ	Acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.2853	1.82	_____
Tractors	hour	6.39	1.5936	10.18	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	14.9594	16.30	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	8.47	1.0000	8.47	_____
Tractors	acre	10.63	1.0000	10.63	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	12.11	1.0000	12.11	_____
<b>TOTAL DIRECT EXPENSES</b>				349.69	_____
<b>FIXED EXPENSES</b>					
Implements	acre	17.77	1.0000	17.77	_____
Tractors	acre	22.01	1.0000	22.01	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				125.67	_____
<b>TOTAL SPECIFIED EXPENSES</b>				475.37	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, 12 Row Equip, Center Pivot, Loamy Soils Ridge Boll Weevil Eradication Zone, Arkansas 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	29.25'	mwmf 225	0.074	1.00	Oct	1.71	1.57	0.45	1.06	0.096	0.61				5.41
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	31.5'	mwmf 190	0.044	1.00	Nov	0.87	0.83	0.22	0.47	0.057	0.36				2.78
Disk Bedder 12@38"	38'	mwmf 190	0.046	1.00	Nov	0.91	0.87	0.48	1.00	0.059	0.38				3.66
Disk Bedder 12@38"	38'	mwmf 190	0.046	1.00	Apr	0.91	0.87	0.48	1.00	0.059	0.38				3.66
Bed conditioner	26.67'	2wd 170	0.052	1.00	Apr	0.88	0.78	0.18	0.39	0.067	0.43				2.67
Triple K	31.5'	mwmf 190	0.044	1.00	May	0.87	0.83	0.22	0.48	0.057	0.36				2.78
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Eradication Fee RZ	Acre			1.00	May							1.0000	7.50	7.50	7.50
Grain Drill	48'	mwmf 225	0.040	1.00	May	0.92	0.85	1.60	3.29	0.096	0.61				7.28
Cotton seed	lb											12.0000	0.87	10.44	10.44
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row Cultivator 12@38	38'	200	0.068	1.00	May	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Staple	ounce											0.6000	21.00	12.60	12.60
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
C-piv irr.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05	1.0000			54.12
Row Cultivator 12@38	38'	2wd 50	0.068	1.00	Jun	0.34	0.24	0.38	0.65	0.088	0.56				2.19
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
C-piv irr.- cotton	ac in			1.00	Jun			3.04	0.008	0.008	0.05	1.0000			3.09
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.12	Jun	0.26	0.23	0.01	0.02	0.020	0.13				0.66
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
C-piv irr.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
C-piv irr.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
Eradication Fee RZ	Acre			1.00	Jul							1.0000	7.50	7.50	7.50
C-piv irr.- cotton	ac in			1.00	Jul			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84

**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, 12 Row Equip, Center Pivot, Loamy Soils Ridge Boll Weevil Eradication Zone,  
Arkansas 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----		-----dollars-----		-----dollars-----					
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05	1.0000			3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre			1.00	Aug							1.0000	7.50	7.50	7.50
Pyrethroid	acre			1.00	Aug							1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drop	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.5000	5.25	2.62	2.62
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	2wd 170	0.220	1.00	Oct	3.75	3.30	1.02	2.79	0.242	1.54				12.41
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	2wd 170	0.220	0.10	Oct	0.37	0.33	0.10	0.27	0.024	0.15				1.24
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						26.93	22.01	55.78	103.66	2.403	15.35			239.50	463.26
INTEREST ON OPERATING CAPITAL															12.11
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															475.37

Does not include costs for land, overhead and management.

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# Estimating 2001 Costs of Production Cotton, BXN System, Furrow Irrigation, Loamy Soils, Ridge Boll Weevil Eradication Zone, 2001

AG-637-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton Seed BXN	lb	1.44	12.0000	17.28	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	2.0000	8.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Buctril 4EC	pint	14.25	2.0000	28.50	_____
Assure II	ounce	0.92	8.0000	7.36	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
MSMA	pint	2.25	2.6600	5.98	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
<b>INSECTICIDES</b>					
Gaicho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee RZ	Acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4417	2.82	_____
Tractors	hour	6.39	1.6958	10.83	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	15.2814	16.65	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.40	1.0000	6.40	_____
Tractors	acre	11.24	1.0000	11.24	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	13.10	1.0000	13.10	_____
<b>TOTAL DIRECT EXPENSES</b>				357.86	_____
<b>FIXED EXPENSES</b>					
Implements	acre	13.32	1.0000	13.32	_____
Tractors	acre	25.74	1.0000	25.74	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				79.98	_____
<b>TOTAL SPECIFIED EXPENSES</b>				437.84	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Ridge Boll Weevil Eradication Zone, Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Eradication Fee RZ	Acres			1.00	May							1.0000	7.50	7.50	7.50
Triple K w/ sprayer	26.67'	mwmf 190	0.086	1.00	May	1.71	1.62	0.49	0.92	0.137	0.87				5.64
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton Seed BXN	lb											12.0000	1.44	17.28	17.28
Gaucho	lb											12.0000	0.97	11.64	11.64
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Fert Appl (liquid)	6R-38	mwmf 190	0.098	1.00	Jun	1.95	1.85	0.44	1.13	0.107	0.68				6.08
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Assure II	ounce											8.0000	0.92	7.36	7.36
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.06	Jun	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			3.91	16.33	0.075	0.47				20.72
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Eradication Fee RZ	Acres			1.00	Jul							1.0000	7.50	7.50	7.50

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Ridge Boll Weevil Eradication Zone,  
Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Furrow irrg - cotton ac in				1.00	Aug						0.037	0.23	1.5000			2.19
Cstm ap air 5 gal	acre			1.00	Aug			1.95					1.0000	4.00	4.00	4.00
Pyrethroid	acre												1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep								1.0000	4.50	4.50	4.50
Ethephon	pint												0.3300	6.38	2.10	2.10
Def or Folex	pint												0.5000	5.25	2.62	2.62
Dropp	lb												0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep								1.0000	4.50	4.50	4.50
Ethephon	pint												2.0000	6.38	12.76	12.76
Def or Folex	pint												0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10					45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54					13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82					12.42
TOTALS						27.90	25.74	38.45	54.24	2.730	17.44				260.94	424.73
INTEREST ON OPERATING CAPITAL																13.10
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																437.84

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.



## Estimating 2001 Costs of Production

# Cotton, Non-Irrigated, Loamy Soils, Northeast Boll Weevil Eradication Zone, 2001

AG-638-12-00

Kelly J. Bryant, Area Extension Specialist - Farm Management

Tony E. Windham, Extension Economist - Management

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
CROP SEED					
Cotton seed	lb	0.87	12.0000	10.44	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	1.0000	4.50	_____
FERTILIZER & LIME					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	75.0000	17.10	_____
HARVEST AIDS					
Def or Folex	pint	5.25	0.4000	2.10	_____
Dropp	lb	48.00	0.0700	3.36	_____
Ethephon	pint	6.38	0.3300	2.10	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.2500	1.10	_____
INSECTICIDES					
Bidrin 8EC	pint	10.00	0.3000	3.00	_____
Vydate C-LV	pint	7.50	0.5000	3.75	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4580	2.92	_____
Tractors	hour	6.39	1.9738	12.61	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
DIESEL FUEL					
Tractors	gal	1.09	18.1840	19.82	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
REPAIR & MAINTENANCE					
Implements	acre	7.14	1.0000	7.14	_____
Tractors	acre	13.14	1.0000	13.14	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
INTEREST ON OP. CAP.	acre	9.32	1.0000	9.32	_____
<b>TOTAL DIRECT EXPENSES</b>				231.32	_____
<b>FIXED EXPENSES</b>					
Implements	acre	15.32	1.0000	15.32	_____
Tractors	acre	30.07	1.0000	30.07	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
<b>TOTAL FIXED EXPENSES</b>				80.26	_____
<b>TOTAL SPECIFIED EXPENSES</b>				311.59	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Northeast Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Subsoiler, 9 shank	15'	mwmf 225	0.216	1.00	Mar	5.00	4.59	0.45	1.04	0.280	1.79				12.88
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Triple K w/ sprayer	26.67'	mwmf 190	0.086	1.00	Apr	1.71	1.62	0.49	0.92	0.137	0.87				5.64
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	170	0.131	0.06	Apr	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02				7.51
Cotton seed	lb											12.0000	0.87	10.44	10.44
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											75.0000	0.22	17.10	17.10
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Bidrin 8EC	pint											0.1000	10.00	1.00	1.00
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.2000	10.00	2.00	2.00
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.50	3.75	3.75
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Direx 80DF	lb											0.2500	4.43	1.10	1.10
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.4000	5.25	2.10	2.10
Dropp	lb											0.0700	48.00	3.36	3.36
Ethephon	pint											0.3300	6.38	2.10	2.10

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Non-Irrigated, Loamy Soils, Northeast Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	2.07	1.83	0.50	0.46	0.178	1.13				6.00
TOTALS						32.96	30.07	33.15	50.19	2.899	18.53			137.35	302.27
INTEREST ON OPERATING CAPITAL															9.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															311.59

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

# Cotton, Furrow Irrigation, Loamy Soils, Northeast Boll Weevil Eradication Zone, 2001

AG-639-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**

**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Gaicho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	3.0000	22.50	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.5285	3.37	_____
Tractors	hour	6.39	1.8708	11.95	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.39	0.2625	1.67	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	16.9908	18.52	_____
Self-Propelled Eq.	gal	1.09	2.7604	3.00	_____
Furrow irrg - cotton	gal	1.09	10.5000	11.44	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.95	1.0000	6.95	_____
Tractors	acre	12.35	1.0000	12.35	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrg - cotton	acre	2.25	1.0000	2.25	_____
INTEREST ON OP. CAP.	acre	11.84	1.0000	11.84	_____
<b>TOTAL DIRECT EXPENSES</b>				336.29	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.16	1.0000	14.16	_____
Tractors	acre	28.28	1.0000	28.28	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrg - cotton	acre	16.33	1.0000	16.33	_____
<b>TOTAL FIXED EXPENSES</b>				83.35	_____
<b>TOTAL SPECIFIED EXPENSES</b>				419.65	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Triple K	31.5'	mwmf 190	0.044	1.00	May	0.87	0.83	0.22	0.48	0.057	0.36				2.78
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	170	0.131	0.06	May	0.10	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton seed	lb											12.0000	0.87	10.44	10.44
Gaucho	lb											12.0000	0.97	11.64	11.64
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult + sprdir38"	25.33'	mwmf 190	0.102	1.00	Jun	2.03	1.93	0.40	0.68	0.163	1.04				6.09
Staple	ounce											0.6000	21.00	12.60	12.60
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	mwmf 190	0.102	1.00	Jun	2.03	1.93	0.40	0.68	0.163	1.04				6.09
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.12	Jun	0.21	0.10	0.01	0.02	0.020	0.13				0.47
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun				3.91	16.33	0.075	0.47			20.72
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul				3.91		0.075	0.47			4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Aug				1.95		0.037	0.23			2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50



**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
TOTALS						30.87	28.28	38.99	55.07	2.991	19.11			235.45	407.80
INTEREST ON OPERATING CAPITAL															11.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															419.65

Does not include costs for land, overhead and management.

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

## Estimating 2001 Costs of Production

### Cotton, Center Pivot Irrigation, 130 Acres, Loamy Soils, Northeast Boll Weevil Eradication Zone, 2001

AG-640-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	2.0000	8.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.0000	5.25	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.4545	2.90	_____
Tractors	hour	6.39	1.9280	12.32	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	17.0266	18.55	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.05	1.0000	7.05	_____
Tractors	acre	12.42	1.0000	12.42	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	11.43	1.0000	11.43	_____
<b>TOTAL DIRECT EXPENSES</b>				332.35	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.95	1.0000	14.95	_____
Tractors	acre	28.43	1.0000	28.43	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				129.28	_____
<b>TOTAL SPECIFIED EXPENSES</b>				461.63	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils, Northeast Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	26.41'	mwmf 190	0.082	1.00	Oct	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Triple K	26.67'	mwmf 190	0.052	1.00	May	1.03	0.98	0.26	0.56	0.067	0.43				3.28
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Plant+spr dir 8r@38"	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.80	1.78	0.160	1.02				7.51
Cotton seed	lb											12.0000	0.87	10.44	10.44
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Staple	ounce											0.6000	21.00	12.60	12.60
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05				54.12
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	2wd 105	0.131	0.05	Jun	0.06	0.06	0.00	0.00	0.008	0.05				0.19
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	0.00	0.008	0.05				3.09
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.12	Jun	0.26	0.23	0.01	0.02	0.020	0.13				0.66
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
C-piv irrg.- cotton	ac in			1.00	Jul			3.04	0.00	0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Jul			3.04	0.00	0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Jul			3.04	0.00	0.008	0.05				3.09
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
C-piv irrg.- cotton	ac in			1.00	Aug			3.04	0.00	0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04	0.00	0.008	0.05				3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, Center Pivot Irrigation, 130 acres, Loamy Soils, Northeast Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.5000	5.25	2.62	2.62
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-1st-BB	4R40"325hp		0.165					18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	mwmf 190	0.220	0.10	Oct	0.43	0.41	0.10	0.27	0.024	0.15				1.39
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						30.98	28.43	54.36	100.84	2.906	18.57			217.00	450.20
INTEREST ON OPERATING CAPITAL															11.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															461.63

Does not include costs for land, overhead and management.

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## Estimating 2001 Costs of Production

### Cotton, 12 Row Equip, Center Pivot Irrigation, Loamy Soils, Northeast Boll Weevil Eradication Zone, 2001

AG-641-12-00

**Kelly J. Bryant, Area Extension Specialist - Farm Management**  
**Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>CROP SEED</b>					
Cotton seed	lb	0.87	12.0000	10.44	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	1.0000	3.25	_____
Cstm ap air 5 gal	acre	4.00	2.0000	8.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
<b>FERTILIZER &amp; LIME</b>					
P205	unit	0.23	23.0000	5.42	_____
K20	unit	0.12	48.0000	6.19	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.22	90.0000	20.52	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
<b>GROWTH REGULATORS</b>					
Mepiquat Chloride	ounce	0.82	26.0000	21.32	_____
<b>HARVEST AIDS</b>					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.0000	5.25	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
<b>HERBICIDES</b>					
Prowl 4EC	pint	2.50	1.5000	3.75	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pint	10.90	0.5000	5.45	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Dimethoate	pint	4.15	0.6000	2.49	_____
Pyrethroid	acre	7.50	3.0000	22.50	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.39	0.2853	1.82	_____
Tractors	hour	6.39	1.5936	10.18	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.39	0.0560	0.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.09	14.9594	16.30	_____
Self-Propelled Eq.	gal	1.09	3.9148	4.26	_____
C-piv irrg.- cotton	gal	1.09	14.0000	15.26	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	8.47	1.0000	8.47	_____
Tractors	acre	10.63	1.0000	10.63	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
C-piv irrg.- cotton	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	11.42	1.0000	11.42	_____
<b>TOTAL DIRECT EXPENSES</b>				334.00	_____
<b>FIXED EXPENSES</b>					
Implements	acre	17.77	1.0000	17.77	_____
Tractors	acre	22.01	1.0000	22.01	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
C-piv irrg.- cotton	acre	51.03	1.0000	51.03	_____
<b>TOTAL FIXED EXPENSES</b>				125.67	_____
<b>TOTAL SPECIFIED EXPENSES</b>				459.68	_____

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, 12 Row Equipment, Center Pivot Irrigation Loamy Soils, Northeast Arkansas**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Disk, medium cut	29.25'	mwmf 225	0.074	1.00	Oct	1.71	1.57	0.45	1.06	0.096	0.61				5.41
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	31.5'	mwmf 190	0.044	1.00	Nov	0.87	0.83	0.22	0.47	0.057	0.36				2.78
Disk Bedder 12@38"	38'	mwmf 190	0.046	1.00	Nov	0.91	0.87	0.48	1.00	0.059	0.38				3.66
Disk Bedder 12@38"	38'	mwmf 190	0.046	1.00	Apr	0.91	0.87	0.48	1.00	0.059	0.38				3.66
Bed conditioner	26.67'	2wd 170	0.052	1.00	Apr	0.88	0.78	0.18	0.39	0.067	0.43				2.67
Triple K	31.5'	mwmf 190	0.044	1.00	May	0.87	0.83	0.22	0.48	0.057	0.36				2.78
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Grain Drill	48'	mwmf 225	0.040	1.00	May	0.92	0.85	1.60	3.29	0.096	0.61				7.28
Cotton seed	lb											12.0000	0.87	10.44	10.44
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row Cultivator 12@38	38'	200	0.068	1.00	May	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Staple	ounce											0.6000	21.00	12.60	12.60
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
C-piv irrg.- cotton	ac in			1.00	Jun			3.04	51.03	0.008	0.05				54.12
Row Cultivator 12@38	38'	2wd 50	0.068	1.00	Jun	0.34	0.24	0.38	0.65	0.088	0.56				2.19
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
C-piv irrg.- cotton	ac in			1.00	Jun			3.04		0.008	0.05				3.09
Row Cultivator 12@38	38'	200	0.068	1.00	Jun	1.61	0.89	0.38	0.65	0.088	0.56				4.10
Goal 2XL	pint											0.5000	10.90	5.45	5.45
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.12	Jun	0.26	0.23	0.01	0.02	0.020	0.13				0.66
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Jul			3.04		0.008	0.05				3.09
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Dimethoate	pint											0.6000	4.15	2.49	2.49
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05				3.09
C-piv irrg.- cotton	ac in			1.00	Aug			3.04		0.008	0.05				3.09
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Pyrethroid	acre			1.00	Aug							1.0000	7.50	7.50	7.50

**Table 2. Estimated resource use and costs for field operations, per Acre  
Cotton, 12 Row Equipment, Center Pivot Irrigation Loamy Soils, Northeast Arkansas, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.5000	5.25	2.62	2.62
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	2wd 170	0.220	1.00	Oct	3.75	3.30	1.02	2.79	0.242	1.54				12.41
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.66	10.28	0.138	0.88				18.83
Module builder	32'	2wd 170	0.220	0.10	Oct	0.37	0.33	0.10	0.27	0.024	0.15				1.24
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.37	0.33	0.09	0.25	0.028	0.18				1.24
TOTALS						26.93	22.01	55.78	103.66	2.403	15.35			224.50	448.26
INTEREST ON OPERATING CAPITAL															11.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															459.68

Does not include costs for land, overhead and management.

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**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	2.07	1.83	0.50	0.46	0.178	1.13				6.00
Chisel plow	21'	mwmf 190	0.092	1.00	Oct	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											23.0000	0.23	5.42	5.42
K20	unit											48.0000	0.12	6.19	6.19
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mwmf 190	0.054	1.00	Nov	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Nov	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Disk bedder, 8r@38"	25.33'	mwmf 190	0.070	1.00	Apr	1.39	1.32	0.17	0.36	0.091	0.58				3.84
Bed conditioner	26.67'	mwmf 190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Triple K w/ sprayer	26.67'	mwmf 190	0.086	1.00	May	1.71	1.62	0.49	0.92	0.137	0.87				5.64
Prowl 4EC	pint											1.5000	2.50	3.75	3.75
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Plntr hbox + granule	25.33'	mwmf 190	0.100	1.00	May	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Cotton Seed BXN	lb											12.0000	1.44	17.28	17.28
Gaucho	lb											12.0000	0.97	11.64	11.64
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.54	1.36	0.29	0.50	0.132	0.84				4.55
Fert Appl (liquid)	6R-38	mwmf 190	0.098	1.00	Jun	1.95	1.85	0.44	1.13	0.107	0.68				6.08
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Assure II	ounce											8.0000	0.92	7.36	7.36
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.22	10.26	10.26
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Mepiquat Chloride	ounce											4.0000	0.82	3.28	3.28
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.11	0.09	0.00	0.00	0.008	0.05				0.27
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.54	1.36	0.40	0.68	0.163	1.04				5.03
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.06	Jun	0.13	0.11	0.00	0.01	0.010	0.06				0.33
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			3.91	16.33	0.075	0.47				20.72
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Mepiquat Chloride	ounce											10.0000	0.82	8.20	8.20
Furrow irrg - cotton	ac in			1.00	Jul			3.91		0.075	0.47				4.39
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.82	9.84	9.84
Furrow irrg - cotton	ac in			1.00	Aug			1.95		0.037	0.23				2.19
Cstm ap air 5 gal	acre			1.00	Aug							1.5000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50

**Table 2. Estimated resource use and costs for field operations, per acre  
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2001, (continued).**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Drapp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			18.34	24.58	0.330	2.10				45.03
Module builder	32'	mwmf 190	0.220	1.00	Oct	4.39	4.16	1.02	2.79	0.242	1.54				13.93
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.75	3.30	0.95	2.59	0.286	1.82				12.42
TOTALS						27.90	25.74	38.45	54.24	2.730	17.44			245.94	409.73
INTEREST ON OPERATING CAPITAL															12.41
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															422.15

Does not include costs for land, overhead and management.

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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)	\$12.22	None
Larvin (1 gal./ 3.5 acres)	\$16.10	AG 618
Tracer (1 gal./ 64 acres)	\$11.56	AG 618-621,623,626-629,
Tracer (1/2 rate) + Py retheroid	\$13.28	AG 620
Defoliation for Irrigated Cotton	\$34.74	Most
Defoliation for Dryland Cotton	\$12.06	AG 618,626,633,638
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.76	AG 621,624,625,629
Gaucho seed treatment	\$0.97/lb. of seed	AG 618,20,26,28,34,37,
Harvest 2 row harvester, first pick	\$57.60	None
2 row harvester, second pick	\$44.00	None
4 row harvester, first pick	\$45.03	All
4 row harvester, second pick	\$37.66	AG 618,20,22,24,25,26,28,
6 row harvester, (38" rows), first pick	\$39.64	None
6 row harvester, (38" rows), second pick	\$30.91	None
Irrigation, furrow (3 ac. in)	\$4.39/ac inch	Most
Irrigation, center pivot (1 ac. in)	\$3.09/ac inch	AG 620,28,35,36,40,41
Module Builder	\$13.93	All
Row cultivate plus directed spray	\$5.03 + material	All
Staple herbicide banded application (0.3 oz)	\$6.30	Most
Prowl, and Incorporate (1.2 pints)	\$7.13	Most
Treflan, Incorporator application (0.75 pints)	\$6.08	AG 621,629
Treflan and Incorporate (1.5 pints)	\$7.85	AG 618,626

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

The authors gratefully acknowledge the contributions of Bill Robertson, Gus Lorenz, Don Plunkett, Ken Smith, and Don Johnson in the construction of the 2001 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

View and print all of the Arkansas crop budgets at <http://www.uaex.edu/agecon/agecon.htm>

Or new site will be up in February 2001. At that time and you can view and print all of the Arkansas crop budgets at <http://www.aragriculture.org> under Agricultural and Food Policy/Commodity Marketing/ and Farm Planning.