

**Estimating 2002 Costs of Production  
 Cotton, Non-Irrigated, Loamy Soils,  
 Northeast Arkansas, 2002 - AG-691-12-01  
 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	1.04	12.0000	12.48	_____
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	_____
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	0.25	75.0000	18.75	_____
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	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
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	1.00	18.1840	18.18	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
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	6.73	1.0000	6.73	_____
TOTAL DIRECT EXPENSES				232.31	_____
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				312.58	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Non-Irrigated, Loamy Soils, Northeast Arkansas, 2002**

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'	mfwd 190	0.082	1.00	Mar	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Subsoiler, 9 shank	15'	mfwd 225	0.216	1.00	Mar	4.75	4.59	0.45	1.04	0.280	1.79				12.64
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'	mfwd 190	0.054	1.00	Apr	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Triple K w/ sprayer	26.67'	mfwd 190	0.086	1.00	Apr	1.63	1.62	0.49	0.92	0.137	0.87				5.56
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	Apr	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	May	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02				7.41
Cotton seed	lb											12.0000	1.04	12.48	12.48
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Gaucho	lb											12.0000	0.97	11.64	11.64
Water tank	1000 gal	170	0.131	0.06	May	0.09	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	0.25	18.75	18.75
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.40	0.68	0.163	1.04				4.95
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	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Staple	ounce											0.3000	21.00	6.30	6.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
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	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	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
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
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
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, 2002, (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-----			
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-1st-BB	4R40"325hp		0.165					18.09	24.58	0.330	2.10				44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54				13.72
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.56	10.28	0.138	0.88				18.72
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15				1.37
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	1.96	1.83	0.50	0.46	0.178	1.13				5.90
TOTALS						31.32	30.07	32.80	50.19	2.899	18.53			142.91	305.84
INTEREST ON OPERATING CAPITAL															6.73
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															312.58

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2002 Costs of Production  
 Cotton, Furrow Irrigation, Loamy Soils,  
 Northeast Arkansas, 2002 - AG-692-12-01  
 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	1.04	12.0000	12.48	_____
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	_____
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	_____
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	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
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	_____
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	0.5000	1.94	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4762	3.04	_____
Tractors	hour	6.39	1.7514	11.19	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	16.0597	16.05	_____
Self-Propelled Eq.	gal	1.00	2.7604	2.76	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.55	1.0000	6.55	_____
Tractors	acre	11.73	1.0000	11.73	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	7.50	1.0000	7.50	_____
TOTAL DIRECT EXPENSES				302.10	_____
FIXED EXPENSES					
Implements	acre	13.47	1.0000	13.47	_____
Tractors	acre	26.87	1.0000	26.87	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				81.25	_____
TOTAL SPECIFIED EXPENSES				383.36	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2002**

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	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
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'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Triple K	31.5'	mfwd 190	0.044	1.00	May	0.83	0.83	0.22	0.48	0.057	0.36				2.74
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.95	1.61	0.240	1.53				7.89
Cotton seed	lb											12.0000	1.04	12.48	12.48
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	0.25	11.25	11.25
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.25	11.25	11.25
Row cult + sprdir38"	25.33'	mfwd 190	0.102	1.00	Jun	1.94	1.93	0.40	0.68	0.163	1.04				5.99
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
Row cult + sprdir38"	25.33'	mfwd 190	0.102	1.00	Jun	1.94	1.93	0.40	0.68	0.163	1.04				5.99
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
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	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Water tank	1000 gal	170	0.131	0.12	Jun	0.19	0.10	0.01	0.02	0.020	0.13				0.46
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.64	16.33	0.075	0.47	3.0000			20.45
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2002, (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 irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000				4.12
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25		3.25
Bidrin 8EC	pint											0.5000	10.00	5.00		5.00
Mepiquat Chloride	ounce											10.0000	0.62	6.20		6.20
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000				4.12
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	0.62	7.44		7.44
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000				4.12
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
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	3.55	3.30	0.95	2.59	0.286	1.82					12.23
Cotton picker-1st-BB	4R40"325hp		0.165													44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54					13.72
TOTALS						27.79	26.87	39.22	54.38	2.857	18.26				209.31	375.85
INTEREST ON OPERATING CAPITAL																7.50
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																383.36

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**Cotton, Center Pivot Irrigation, 130 Acres, Loamy Soils,**  
**Northeast Arkansas, 2002 - AG-693-12-01**  
**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	1.04	12.0000	12.48	_____
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	_____
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	_____
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	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
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	0.5000	1.94	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4022	2.57	_____
Tractors	hour	6.39	1.8086	11.55	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Center pivot non-tow	hour	6.39	0.0560	0.35	_____
DIESEL FUEL					
Tractors	gal	1.00	16.1297	16.12	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
Center pivot non-tow	gal	1.00	14.0000	14.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.64	1.0000	6.64	_____
Tractors	acre	11.69	1.0000	11.69	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Center pivot non-tow	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	7.40	1.0000	7.40	_____
TOTAL DIRECT EXPENSES				307.41	_____
FIXED EXPENSES					
Implements	acre	14.26	1.0000	14.26	_____
Tractors	acre	26.76	1.0000	26.76	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Center pivot non-tow	acre	51.03	1.0000	51.03	_____
TOTAL FIXED EXPENSES				126.92	_____
TOTAL SPECIFIED EXPENSES				434.33	_____

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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, 2002**

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	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
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'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Triple K	26.67'	mfwd 190	0.052	1.00	May	0.98	0.98	0.26	0.56	0.067	0.43				3.23
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.12	0.11	0.00	0.01	0.010	0.06				0.32
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02				7.41
Cotton seed	lb											12.0000	1.04	12.48	12.48
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	0.10	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	0.25	11.25	11.25
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
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 liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.25	11.25	11.25
Center pivot non-tow	ac in			1.00	Jun			2.86	51.03	0.008	0.05	1.0000			53.94
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Center pivot non-tow	ac in			1.00	Jun			2.86		0.008	0.05	1.0000			2.91
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Water tank	1000 gal	170	0.131	0.12	Jun	0.19	0.10	0.01	0.02	0.020	0.13				0.46



**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Center Pivot Irrigation, 130 Acres Loamy Soils, Northeast Arkansas, 2002, (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 insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
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	0.62	7.44	7.44
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
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	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-1st-BB	4R40"325hp		0.165					18.09	24.58	0.330	2.10				44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54				13.72
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.56	10.28	0.138	0.88				18.72
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15				1.37
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
TOTALS						27.82	26.76	52.34	100.16	2.734	17.47			202.36	426.92
INTEREST ON OPERATING CAPITAL															7.40
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															434.33

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Estimating 2002 Costs of Production**  
**Cotton, Roundup Ready, 12 Row Equipment, Center Pivot Irrigation,**  
**Loamy Soils, Northeast Arkansas, 2002 - AG-694-12-01**  
**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	1.12	12.0000	13.44	_____
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	_____
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	_____
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	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
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					
Glyphosate 4LB	pint	4.44	7.5000	33.30	_____
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
TECHNOLOGY FEE					
Tech Fee (RR)	lb	0.78	12.0000	9.36	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3283	2.09	_____
Tractors	hour	6.39	1.4225	9.09	_____
Self-Propelled Eq.	hour	6.39	0.4499	2.87	_____
IRRIGATION LABOR					
Center pivot non-tow	hour	6.39	0.0560	0.35	_____
DIESEL FUEL					
Tractors	gal	1.00	13.2206	13.22	_____
Self-Propelled Eq.	gal	1.00	3.0445	3.04	_____
Center pivot non-tow	gal	1.00	14.0000	14.00	_____
REPAIR & MAINTENANCE					
Implements	acre	7.91	1.0000	7.91	_____
Tractors	acre	9.34	1.0000	9.34	_____
Self-Propelled Eq.	acre	20.53	1.0000	20.53	_____
Center pivot non-tow	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	8.59	1.0000	8.59	_____
TOTAL DIRECT EXPENSES				331.79	_____
FIXED EXPENSES					
Implements	acre	16.41	1.0000	16.41	_____
Tractors	acre	21.40	1.0000	21.40	_____
Self-Propelled Eq.	acre	33.61	1.0000	33.61	_____
Center pivot non-tow	acre	51.03	1.0000	51.03	_____
TOTAL FIXED EXPENSES				122.46	_____
TOTAL SPECIFIED EXPENSES				454.26	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Roundup Ready, 12 Row Equipment, Center Pivot Irrigation, Loamy Soils, Northeast Arkansas, 2002**

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	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	29.25'	mfwd 225	0.074	1.00	Oct	1.62	1.57	0.45	1.06	0.096	0.61				5.33
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
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'	mfwd 190	0.044	1.00	Nov	0.83	0.83	0.22	0.47	0.057	0.36				2.73
Disk Bedder 12@38"	38'	mfwd 190	0.046	1.00	Nov	0.87	0.87	0.48	1.00	0.059	0.38				3.62
Hiclr sprayer,320gal	60'		0.027	1.00	Mar			0.42	0.78	0.038	0.24				1.45
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Disk Bedder 12@38"	38'	mfwd 190	0.046	1.00	Apr	0.87	0.87	0.48	1.00	0.059	0.38				3.62
Bed conditioner	26.67'	2wd 170	0.052	1.00	Apr	0.84	0.78	0.18	0.39	0.067	0.43				2.63
Triple K	31.5'	mfwd 190	0.044	1.00	May	0.83	0.83	0.22	0.48	0.057	0.36				2.74
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Planter & Hopper Box	38'	mfwd 225	0.061	1.00	May	1.34	1.29	2.60	4.41	0.146	0.93				10.59
Cotton Seed/RR	LB											12.0000	1.12	13.44	13.44
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
Tech Fee (RR)	lb											12.0000	0.78	9.36	9.36
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Hiclr sprayer,320gal	60'		0.027	1.00	May			0.42	0.78	0.038	0.24				1.45
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.25	11.25	11.25
Hiclr sprayer,320gal	60'		0.027	1.00	May			0.42	0.78	0.038	0.24				1.45
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Sprayer, dir 12r@30"	30'	mfwd 190	0.085	1.00	May	1.61	1.61	0.17	0.39	0.136	0.86				4.67
Caparol 4L	pint											0.7500	3.88	2.91	2.91
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Vydate C-LV	pint											0.2500	7.50	1.87	1.87
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	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.25	11.25	11.25
Center pivot non-tow ac in				1.00	Jun			2.86	51.03	0.008	0.05				53.94
Center pivot non-tow ac in				1.00	Jun			2.86		0.008	0.05				2.91
Sprayer, dir 12r@30"	30'	mfwd 190	0.085	1.00	Jun	1.61	1.61	0.17	0.39	0.136	0.86				4.67
Direx 80DF	lb											0.3300	4.43	1.46	1.46
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Water tank	1000 gal	170	0.131	0.12	Jun	0.19	0.10	0.01	0.02	0.020	0.13				0.46

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, Roundup Ready, 12 Row Equipment, Center Pivot Irrigation, Loamy Soils, Northeast Arkansas, 2002, (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 insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
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	0.62	7.44	7.44
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
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
Cotton Picker-1st-BB	6R40"325HP			0.118	1.00	Oct			15.79	22.16	0.236	1.50			39.47
Module builder	32'	2wd 170		0.220	1.00	Oct	3.55	3.30	1.02	2.79	0.242	1.54			12.22
Boll Buggy	4 Bale	2wd 170		0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82			12.23
Cotton Picker-2nd-Tr	6R40"325hp			0.097	0.50	Oct			6.49	9.11	0.097	0.61			16.22
Module builder	32'	2wd 170		0.220	0.10	Oct	0.35	0.33	0.10	0.27	0.024	0.15			1.22
Boll Buggy	4 Bale	2wd 170		0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18			1.22
TOTALS							22.56	21.40	51.53	101.06	2.256	14.42		234.66	445.66
INTEREST ON OPERATING CAPITAL															8.59
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.26

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**Estimating 2002 Costs of Production  
 Cotton, BXN System, Furrow Irrigation,  
 Loamy Soils, Northeast Arkansas, 2002 - AG-695-12-01  
 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 BXN	lb	1.60	12.0000	19.20	_____
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	_____
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	_____
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	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
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	_____
HERBICIDES					
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 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	7.50	0.2500	1.87	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4127	2.63	_____
Tractors	hour	6.39	1.7002	10.86	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	15.0963	15.09	_____
Self-Propelled Eq.	gal	1.00	2.7604	2.76	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.22	1.0000	6.22	_____
Tractors	acre	11.00	1.0000	11.00	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	8.69	1.0000	8.69	_____
TOTAL DIRECT EXPENSES				336.82	_____
FIXED EXPENSES					
Implements	acre	13.04	1.0000	13.04	_____
Tractors	acre	25.19	1.0000	25.19	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				79.15	_____
TOTAL SPECIFIED EXPENSES				415.98	_____

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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, 2002**

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	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
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'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Triple K w/ sprayer	26.67'	mfwd 190	0.086	1.00	May	1.63	1.62	0.49	0.92	0.137	0.87				5.56
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.12	0.11	0.00	0.01	0.010	0.06				0.32
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02				7.41
Cotton Seed BXN	lb											12.0000	1.60	19.20	19.20
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	2wd 170	0.131	0.06	May	0.12	0.11	0.00	0.01	0.010	0.06				0.32
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											45.0000	0.25	11.25	11.25
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
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	0.10	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	0.25	11.25	11.25
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA 6#	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	0.62	2.48	2.48
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	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	2wd 170	0.131	0.06	Jun	0.12	0.11	0.00	0.01	0.010	0.06				0.32
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun				3.64	16.33	0.075	0.47	3.0000		20.45
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00

**Table 2. Estimated resource use and costs for field operations, per acre Cotton, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2002, (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 irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000				4.12
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25		3.25
Bidrin 8EC	pint											0.5000	10.00	5.00		5.00
Mepiquat Chloride	ounce											10.0000	0.62	6.20		6.20
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000				4.12
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	0.62	7.44		7.44
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000				4.12
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
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			18.09	24.58	0.330	2.10					44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54					13.72
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82					12.23
TOTALS						26.10	25.19	38.89	53.96	2.742	17.52			245.59		407.28
INTEREST ON OPERATING CAPITAL																8.69
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																415.98

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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	None
Tracer (1 gal./ 64 acres)	\$11.56	Most
Tracer (1/2 rate) + Pyretheroid	\$13.28	None
Defoliation for Irrigated Cotton	\$35.21	Most
Defoliation for Dryland Cotton	\$12.06	AG 671,679,686,691
Foliar Nitrogen, 23%	\$0.61/gal.+App.	None
Flail Shredder, 20'	\$8.09	AG 674,677,678,682
Gaucho seed treatment	\$0.97/lb. of seed	AG 671,673,679,681,686-688,690-692,695
Harvest 2 row harvester, first pick	\$57.33	None
2 row harvester, second pick	\$43.78	None
4 row harvester, first pick	\$44.78	Most
4 row harvester, second pick	\$37.45	AG 671,673,675,677-679, 681,683,686,688,691,693
6 row harvester, (38" rows), first pick	\$39.47	AG 689,694
6 row harvester, (38" rows), second pick	\$30.77	AG 689,694
Irrigation, furrow (3 ac. in)	\$4.12	Most
Irrigation, center pivot (1 ac. in)	\$2.91	AG 673,681,688,689,693,694
Module Builder	\$13.72	All
Row cultivate plus directed spray	\$4.95 + material	All
Staple herbicide banded application (0.3 oz)	\$6.30	Most
Prowl, and Incorporate (1.2 pints)	\$6.84	Most
Treflan, Incorporator application (0.75 pints)	\$5.75	AG 674,682
Treflan and Incorporate (1.5 pints)	\$8.34	None

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

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