Estimating 2003 Costs of Production
Cotton, Non-Irrigated, Loamy Soils, Northeast Arkansas, 2003
AG-727-12-02

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	2.0000	8.00	_____
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					
0-15-30	lb	0.08	160.0000	13.20	_____
Boron	unit	3.30	1.0000	3.30	_____
Urea 46%	lb	0.09	163.0000	14.67	_____
HARVEST AIDS					
Def or Folex	pint	6.00	0.4000	2.40	_____
Dropp	lb	58.00	0.0700	4.06	_____
Ethephon	pint	6.38	0.3300	2.10	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.40	1.0000	4.40	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.54	0.5000	1.77	_____
MSMA 6#	pint	2.43	2.6600	6.46	_____
Direx 80DF	lb	4.00	0.3300	1.32	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	8.25	0.2500	2.06	_____
Bidrin 8EC	pint	11.55	0.5000	5.77	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
OPERATOR LABOR					
Implements	hour	6.70	0.4580	3.06	_____
Tractors	hour	6.70	1.9738	13.22	_____
Self-Propelled Eq.	hour	6.70	0.4680	3.13	_____
DIESEL FUEL					
Tractors	gal	0.90	18.1840	16.36	_____
Self-Propelled Eq.	gal	0.90	3.9148	3.52	_____
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	5.80	1.0000	5.80	_____

TOTAL DIRECT EXPENSES				225.59	_____
FIXED EXPENSES					
Implements	acre	15.12	1.0000	15.12	_____
Tractors	acre	29.52	1.0000	29.52	_____
Self-Propelled Eq.	acre	34.40	1.0000	34.40	_____

TOTAL FIXED EXPENSES				79.04	_____

TOTAL SPECIFIED EXPENSES				304.64	_____

The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless 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 Northeast Arkansas, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Mar	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Subsoiler, 9 shank	15'	mfwd 225	0.216	1.00	Mar	4.48	4.50	0.45	1.02	0.280	1.88				12.34
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-15-30	lb											160.0000	0.08	13.20	13.20
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Apr	0.96	1.00	0.20	0.42	0.070	0.47				3.07
Triple K w/ sprayer	26.67'	mfwd 190	0.086	1.00	Apr	1.54	1.59	0.49	0.90	0.137	0.92				5.46
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				0.22
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Bed conditioner	26.67'	mfwd 190	0.052	1.00	May	0.93	0.96	0.18	0.38	0.067	0.45				2.92
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.79	1.85	0.80	1.75	0.160	1.07				7.29
Cotton seed	lb											12.0000	1.04	12.48	12.48
Cotoran 4L	pint											1.0000	4.40	4.40	4.40
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				0.22
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00	4.00
Urea 46%	lb											163.0000	0.09	14.67	14.67
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	May	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Water tank	1000 gal	170	0.131	0.05	May	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.37	1.34	0.29	0.49	0.132	0.88				4.39
Staple	ounce											0.3000	21.00	6.30	6.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Caparol 4L	pint											0.5000	3.54	1.77	1.77
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Vydate C-LV	pint											0.2500	8.25	2.06	2.06
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Direx 80DF	lb											0.3300	4.00	1.32	1.32
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Non-Irrigated, Loamy Soils Northeast Arkansas, 2003, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
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	11.55	5.77	5.77
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.4000	6.00	2.40	2.40
Dropp	lb											0.0700	58.00	4.06	4.06
Ethephon	pint											0.3300	6.38	2.10	2.10
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.34	3.23	0.95	2.56	0.286	1.91				12.01
Cotton picker-1st-BB	4R40"325hp		0.165					17.81	24.25	0.330	2.21				44.28
Module builder	32'	mfwd 190	0.220	1.00	Oct	3.94	4.09	1.02	2.76	0.242	1.62				13.45
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.45	10.14	0.138	0.92				18.51
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.33	0.32	0.09	0.25	0.028	0.19				1.20
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.39	0.40	0.10	0.27	0.024	0.16				1.34
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	1.84	1.80	0.50	0.45	0.178	1.19				5.80
TOTALS						29.50	29.52	32.41	49.52	2.899	19.42			138.44	298.84
INTEREST ON OPERATING CAPITAL															5.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															304.64

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 2003 Costs of Production
Cotton, Furrow Irrigation, Loamy Soils, 2003, Northeast Arkansas
AG-728-12-02

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					
0-15-30	lb	0.08	160.0000	13.20	_____
Boron	unit	3.30	1.0000	3.30	_____
Liquid Nitrogen 32%	lb	0.07	282.0000	20.86	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.21	7.0000	15.47	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.48	26.0000	12.48	_____
HARVEST AIDS					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	6.00	1.1600	6.96	_____
Dropp	lb	58.00	0.1000	5.80	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.40	1.0000	4.40	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.54	0.5000	1.77	_____
MSMA 6#	pint	2.43	2.6600	6.46	_____
Direx 80DF	lb	4.00	0.3300	1.32	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	8.25	0.2500	2.06	_____
Bidrin 8EC	pint	11.55	0.5000	5.77	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.70	0.4762	3.19	_____
Tractors	hour	6.70	1.7514	11.73	_____
Self-Propelled Eq.	hour	6.70	0.3300	2.21	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.70	0.3000	2.01	_____
DIESEL FUEL					
Tractors	gal	0.90	16.0597	14.45	_____
Self-Propelled Eq.	gal	0.90	2.7604	2.48	_____
Furrow irrigation	gal	0.90	12.0000	10.80	_____
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	ac in	0.21	12.0000	2.58	_____
INTEREST ON OP. CAP.	acre	6.44	1.0000	6.44	_____

TOTAL DIRECT EXPENSES				294.69	_____
FIXED EXPENSES					
Implements	acre	13.30	1.0000	13.30	_____
Tractors	acre	26.37	1.0000	26.37	_____
Self-Propelled Eq.	acre	24.25	1.0000	24.25	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				80.27	_____

TOTAL SPECIFIED EXPENSES				374.96	_____

University of Arkansas, United States Department of Agriculture and County Governments cooperating
The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless 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, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.84	1.80	0.50	0.45	0.178	1.19				5.80
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.65	1.71	0.17	0.33	0.119	0.80				4.66
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-15-30	lb											160.0000	0.08	13.20	13.20
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	0.96	1.00	0.20	0.42	0.070	0.47				3.07
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.93	0.96	0.18	0.38	0.067	0.45				2.92
Triple K	31.5'	mfwd 190	0.044	1.00	May	0.78	0.81	0.22	0.47	0.057	0.38				2.69
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				0.22
Plntr hbox + granule	25.33'	mfwd 190	0.100	1.00	May	1.79	1.85	0.95	1.59	0.240	1.60				7.81
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	2.21	15.47	15.47
Cotoran 4L	pint											1.0000	4.40	4.40	4.40
Water tank	1000 gal	170	0.131	0.05	May	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.37	1.34	0.29	0.49	0.132	0.88				4.39
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Row cult + sprdir38"	25.33'	mfwd 190	0.102	1.00	Jun	1.83	1.89	0.40	0.67	0.163	1.09				5.89
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Row cult + sprdir38"	25.33'	mfwd 190	0.102	1.00	Jun	1.83	1.89	0.40	0.67	0.163	1.09				5.89
Caparol 4L	pint											0.5000	3.54	1.77	1.77
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Vydate C-LV	pint											0.2500	8.25	2.06	2.06
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Direx 80DF	lb											0.3300	4.00	1.32	1.32
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Mepiquat Chloride	ounce											4.0000	0.48	1.92	1.92
Water tank	1000 gal	170	0.131	0.12	Jun	0.18	0.10	0.01	0.02	0.020	0.13				0.45

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2003, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.34	16.33	0.075	0.50	3.0000			20.17
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Furrow irrigation	ac in			1.00	Jul			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	11.55	5.77	5.77
Mepiquat Chloride	ounce											10.0000	0.48	4.80	4.80
Furrow irrigation	ac in			1.00	Jul			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	ounce											12.0000	0.48	5.76	5.76
Furrow irrigation	ac in			1.00	Aug			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
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	6.00	3.00	3.00
Dropp	lb											0.1000	58.00	5.80	5.80
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	6.00	3.96	3.96
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.34	3.23	0.95	2.56	0.286	1.91				12.01
Cotton picker-1st-BB	4R40"325hp		0.165					17.81	24.25	0.330	2.21				44.28
Module builder	32'	mfwd 190	0.220	1.00	Oct	3.94	4.09	1.02	2.76	0.242	1.62				13.45
TOTALS						26.19	26.37	37.74	53.89	2.857	19.14			205.15	368.51
INTEREST ON OPERATING CAPITAL															6.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															374.96

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 2003 Costs of Production
Cotton, Center Pivot Irrigation, 130 Acres, Loamy Soils, Northeast Arkansas
AG-729-12-02

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					
0-15-30	lb	0.08	160.0000	13.20	_____
Boron	unit	3.30	1.0000	3.30	_____
Liquid Nitrogen 32%	lb	0.07	282.0000	20.86	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.21	7.0000	15.47	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.48	26.0000	12.48	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	6.00	1.0000	6.00	_____
Dropp	lb	58.00	0.1000	5.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.40	1.0000	4.40	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.54	0.5000	1.77	_____
MSMA 6#	pint	2.43	2.6600	6.46	_____
Direx 80DF	lb	4.00	0.3300	1.32	_____
INSECTICIDES					
Temik 15G	lb	3.33	3.0000	9.99	_____
Vydate C-LV	pint	8.25	0.2500	2.06	_____
Bidrin 8EC	pint	11.55	0.5000	5.77	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
OPERATOR LABOR					
Implements	hour	6.70	0.4022	2.69	_____
Tractors	hour	6.70	1.8086	12.11	_____
Self-Propelled Eq.	hour	6.70	0.4680	3.13	_____
IRRIGATION LABOR					
Center pivot non-tow	hour	6.70	0.0560	0.37	_____
DIESEL FUEL					
Tractors	gal	0.90	16.1297	14.51	_____
Self-Propelled Eq.	gal	0.90	3.9148	3.52	_____
Center pivot non-tow	gal	0.90	14.0000	12.60	_____
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	ac in	0.86	7.0000	6.04	_____
INTEREST ON OP. CAP.	acre	6.32	1.0000	6.32	_____

TOTAL DIRECT EXPENSES				298.68	_____
FIXED EXPENSES					
Implements	acre	14.08	1.0000	14.08	_____
Tractors	acre	26.26	1.0000	26.26	_____
Self-Propelled Eq.	acre	34.40	1.0000	34.40	_____
Center pivot non-tow	acre	51.03	1.0000	51.03	_____

TOTAL FIXED EXPENSES				125.77	_____

TOTAL SPECIFIED EXPENSES				424.46	_____

Visit our web site at http://www.aragriculture.org
University of Arkansas, United States Department of Agriculture and County Governments cooperating
The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless 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, Center Pivot Irrigation, 130 Acres, Loamy Soils, Northeast Arkansas, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.84	1.80	0.50	0.45	0.178	1.19				5.80
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.65	1.71	0.17	0.33	0.119	0.80				4.66
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-15-30	lb											160.0000	0.08	13.20	13.20
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	0.96	1.00	0.20	0.42	0.070	0.47				3.07
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.93	0.96	0.18	0.38	0.067	0.45				2.92
Triple K	26.67'	mfwd 190	0.052	1.00	May	0.93	0.96	0.26	0.55	0.067	0.45				3.17
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.11	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	1.79	1.85	0.80	1.75	0.160	1.07				7.29
Cotton seed	lb											12.0000	1.04	12.48	12.48
Temik 15G	lb											3.0000	3.33	9.99	9.99
Terraclor SE granul	lb											7.0000	2.21	15.47	15.47
Cotoran 4L	pint											1.0000	4.40	4.40	4.40
Water tank	1000 gal	2wd 170	0.131	0.05	May	0.09	0.09	0.00	0.00	0.008	0.05				0.26
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.37	1.34	0.29	0.49	0.132	0.88				4.39
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Center pivot non-tow	ac in			1.00	Jun			2.66	51.03	0.008	0.05	1.0000			53.74
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Caparol 4L	pint											0.5000	3.54	1.77	1.77
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Vydate C-LV	pint											0.2500	8.25	2.06	2.06
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Center pivot non-tow	ac in			1.00	Jun			2.66		0.008	0.05	1.0000			2.71
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Direx 80DF	lb											0.3300	4.00	1.32	1.32
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Mepiquat Chloride	ounce											4.0000	0.48	1.92	1.92
Water tank	1000 gal	170	0.131	0.12	Jun	0.18	0.10	0.01	0.02	0.020	0.13				0.45

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Center Pivot Irrigation, 130 Acres, Loamy Soils, Northeast Arkansas, 2003, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL 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			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	11.55	5.77	5.77
Mepiquat Chloride	ounce											10.0000	0.48	4.80	4.80
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	ounce											12.0000	0.48	5.76	5.76
Center pivot non-tow	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
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	6.00	3.00	3.00
Dropp	lb											0.1000	58.00	5.80	5.80
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	6.00	3.00	3.00
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.34	3.23	0.95	2.56	0.286	1.91				12.01
Cotton picker-1st-BB	4R40"325hp		0.165					17.81	24.25	0.330	2.21				44.28
Module builder	32'	mfwd 190	0.220	1.00	Oct	3.94	4.09	1.02	2.76	0.242	1.62				13.45
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.45	10.14	0.138	0.92				18.51
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.39	0.40	0.10	0.27	0.024	0.16				1.34
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.33	0.32	0.09	0.25	0.028	0.19				1.20
TOTALS						26.20	26.26	50.55	99.51	2.734	18.32			197.27	418.13
INTEREST ON OPERATING CAPITAL															6.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															424.46

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.

UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Cooperative Extension Service

Estimating 2003 Costs of Production
Cotton, Roundup Ready, 12 Row Equipment, Center Pivot, Loamy Soils, Northeast Arkansas AG-730-12-02

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					
0-15-30	lb	0.08	160.0000	13.20	_____
Boron	unit	3.30	1.0000	3.30	_____
Liquid Nitrogen 32%	lb	0.07	282.0000	20.86	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.21	7.0000	15.47	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.48	26.0000	12.48	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	6.00	1.0000	6.00	_____
Dropp	lb	58.00	0.1000	5.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Glyphosate 4LB	pint	4.63	7.5000	34.72	_____
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.40	1.0000	4.40	_____
Caparol 4L	pint	3.54	0.7500	2.65	_____
Direx 80DF	lb	4.00	0.3300	1.32	_____
Dual Magnum	pint	11.98	0.8000	9.58	_____
INSECTICIDES					
Temik 15G	lb	3.33	3.0000	9.99	_____
Vydate C-LV	pint	8.25	0.2500	2.06	_____
Bidrin 8EC	pint	11.55	0.5000	5.77	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
TECHNOLOGY FEE					
Tech Fee RR North	lb	0.76	12.0000	9.12	_____
OPERATOR LABOR					
Implements	hour	6.70	0.3283	2.19	_____
Tractors	hour	6.70	1.4225	9.53	_____
Self-Propelled Eq.	hour	6.70	0.4499	3.01	_____
IRRIGATION LABOR					
Center pivot non-tow	hour	6.70	0.0560	0.37	_____
DIESEL FUEL					
Tractors	gal	0.90	13.2206	11.89	_____
Self-Propelled Eq.	gal	0.90	3.0445	2.74	_____
Center pivot non-tow	gal	0.90	14.0000	12.60	_____
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	ac in	0.86	7.0000	6.04	_____
INTEREST ON OP. CAP.	Acre	7.68	1.0000	7.68	_____

TOTAL DIRECT EXPENSES				333.66	_____
FIXED EXPENSES					
Implements	Acre	16.21	1.0000	16.21	_____
Tractors	Acre	21.00	1.0000	21.00	_____
Self-Propelled Eq.	Acre	33.17	1.0000	33.17	_____
Center pivot non-tow	Acre	51.03	1.0000	51.03	_____

TOTAL FIXED EXPENSES				121.42	_____

TOTAL SPECIFIED EXPENSES				455.09	_____

The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless 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, 12 Row Equipment, Center Pivot, Loamy Soils, Northeast Arkansas, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.84	1.80	0.50	0.45	0.178	1.19				5.80
Disk, medium cut	29.25'	mfwd 225	0.074	1.00	Oct	1.53	1.54	0.45	1.04	0.096	0.64				5.22
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.65	1.71	0.17	0.33	0.119	0.80				4.66
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-15-30	lb											160.0000	0.08	13.20	13.20
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	31.5'	mfwd 190	0.044	1.00	Nov	0.78	0.81	0.22	0.46	0.057	0.38				2.68
Disk Bedder 12@38"	38'	mfwd 190	0.046	1.00	Nov	0.82	0.85	0.48	0.99	0.059	0.40				3.56
Hiclr sprayer,320gal	60'		0.027	1.00	Mar			0.42	0.76	0.038	0.26				1.45
Glyphosate 4LB	pint											1.5000	4.63	6.94	6.94
Disk Bedder 12@38"	38'	mfwd 190	0.046	1.00	Apr	0.82	0.85	0.48	0.99	0.059	0.40				3.56
Bed conditioner	26.67'	2wd 170	0.052	1.00	Apr	0.79	0.76	0.18	0.38	0.067	0.45				2.58
Triple K	31.5'	mfwd 190	0.044	1.00	May	0.78	0.81	0.22	0.47	0.057	0.38				2.69
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				0.22
Planter & Hopper Box	38'	mfwd 225	0.061	1.00	May	1.26	1.27	2.60	4.37	0.146	0.98				10.50
Cotton Seed/RR	LB											12.0000	1.12	13.44	13.44
Temik 15G	lb											3.0000	3.33	9.99	9.99
Terraclor SE granul	lb											7.0000	2.21	15.47	15.47
Cotoran 4L	pint											1.0000	4.40	4.40	4.40
Tech Fee RR North	lb											12.0000	0.76	9.12	9.12
Water tank	1000 gal	170	0.131	0.05	May	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Hiclr sprayer,320gal	60'		0.027	1.00	May			0.42	0.76	0.038	0.26				1.45
Glyphosate 4LB	pint											1.5000	4.63	6.94	6.94
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Hiclr sprayer,320gal	60'		0.027	1.00	May			0.42	0.76	0.038	0.26				1.45
Glyphosate 4LB	pint											1.5000	4.63	6.94	6.94
Water tank	1000 gal	170	0.131	0.05	May	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Sprayer, dir 12r@30"	30'	mfwd 190	0.085	1.00	May	1.52	1.58	0.17	0.38	0.136	0.91				4.58
Caparol 4L	pint											0.7500	3.54	2.65	2.65
Glyphosate 4LB	pint											1.5000	4.63	6.94	6.94
Vydate C-LV	pint											0.2500	8.25	2.06	2.06
Water tank	1000 gal	170	0.131	0.05	May	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Center pivot non-tow	ac in			1.00	Jun			2.66	51.03	0.008	0.05	1.0000			53.74
Center pivot non-tow	ac in			1.00	Jun			2.66		0.008	0.05	1.0000			2.71
Sprayer, dir 12r@30"	30'	mfwd 190	0.085	1.00	Jun	1.52	1.58	0.17	0.38	0.136	0.91				4.58
Direx 80DF	lb											0.3300	4.00	1.32	1.32
Glyphosate 4LB	pint											1.5000	4.63	6.94	6.94
Dual Magnum	pint											0.8000	11.98	9.58	9.58
Mepiquat Chloride	ounce											4.0000	0.48	1.92	1.92

Table 2. Estimated resource use and costs for field operations, per acre Cotton, 12 Row Equipment, Center Pivot, Loamy Soils, Northeast Arkansas, 2003, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Water tank	1000 gal	170	0.131	0.12	Jun	0.18	0.10	0.01	0.02	0.020	0.13				0.45
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Center pivot non-tow	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	11.55	5.77	5.77
Mepiquat Chloride	ounce											10.0000	0.48	4.80	4.80
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	ounce											12.0000	0.48	5.76	5.76
Center pivot non-tow	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Center pivot non-tow	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
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	6.00	3.00	3.00
Dropp	lb											0.1000	58.00	5.80	5.80
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	6.00	3.00	3.00
Cotton Picker-1st-BB	6R40"325HP		0.118	1.00	Oct			15.59	21.87	0.236	1.58				39.05
Module builder	32'	2wd 170	0.220	1.00	Oct	3.34	3.23	1.02	2.76	0.242	1.62				11.99
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.34	3.23	0.95	2.56	0.286	1.91				12.01
Cotton Picker-2nd-Tr	6R40"325hp		0.097	0.50	Oct			6.41	8.99	0.097	0.64				16.05
Module builder	32'	2wd 170	0.220	0.10	Oct	0.33	0.32	0.10	0.27	0.024	0.16				1.19
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.33	0.32	0.09	0.25	0.028	0.19				1.20
TOTALS						21.24	21.00	49.83	100.42	2.256	15.12			239.78	447.41
INTEREST ON OPERATING CAPITAL															7.68
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															455.09

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 2003 Costs of Production
Cotton, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas
AG-731-12-02

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					
0-15-30	lb	0.08	160.0000	13.20	_____
Boron	unit	3.30	1.0000	3.30	_____
Liquid Nitrogen 32%	lb	0.07	282.0000	20.86	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.21	7.0000	15.47	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.48	26.0000	12.48	_____
HARVEST AIDS					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	6.00	1.1600	6.96	_____
Dropp	lb	58.00	0.1000	5.80	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.40	1.0000	4.40	_____
Buctril 4EC	pint	13.07	2.0000	26.14	_____
Assure II	ounce	0.98	8.0000	7.84	_____
Caparol 4L	pint	3.54	0.5000	1.77	_____
MSMA 6#	pint	2.43	2.6600	6.46	_____
Direx 80DF	lb	4.00	0.3300	1.32	_____
INSECTICIDES					
Gaucho	lb	0.97	12.0000	11.64	_____
Vydate C-LV	pint	8.25	0.2500	2.06	_____
Bidrin 8EC	pint	11.55	0.5000	5.77	_____
Pyrethroid	acre	5.50	2.0000	11.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.70	0.4127	2.76	_____
Tractors	hour	6.70	1.7002	11.39	_____
Self-Propelled Eq.	hour	6.70	0.3300	2.21	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.70	0.3000	2.01	_____
DIESEL FUEL					
Tractors	gal	0.90	15.0963	13.58	_____
Self-Propelled Eq.	gal	0.90	2.7604	2.48	_____
Furrow irrigation	gal	0.90	12.0000	10.80	_____
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	ac in	0.21	12.0000	2.58	_____
INTEREST ON OP. CAP.	acre	7.44	1.0000	7.44	_____

TOTAL DIRECT EXPENSES				327.40	_____
FIXED EXPENSES					
Implements	acre	12.87	1.0000	12.87	_____
Tractors	acre	24.72	1.0000	24.72	_____
Self-Propelled Eq.	acre	24.25	1.0000	24.25	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				78.19	_____

TOTAL SPECIFIED EXPENSES				405.59	_____

The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless 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, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.84	1.80	0.50	0.45	0.178	1.19				5.80
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.65	1.71	0.17	0.33	0.119	0.80				4.66
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-15-30	lb											160.0000	0.08	13.20	13.20
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	0.96	1.00	0.20	0.42	0.070	0.47				3.07
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.25	1.30	0.17	0.36	0.091	0.60				3.70
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.93	0.96	0.18	0.38	0.067	0.45				2.92
Triple K w/ sprayer	26.67'	mfwd 190	0.086	1.00	May	1.54	1.59	0.49	0.90	0.137	0.92				5.46
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.11	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	1.79	1.85	0.80	1.75	0.160	1.07				7.29
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	2.21	15.47	15.47
Cotoran 4L	pint											1.0000	4.40	4.40	4.40
Water tank	1000 gal	2wd 170	0.131	0.06	May	0.11	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
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.37	1.34	0.29	0.49	0.132	0.88				4.39
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Buctril 4EC	pint											1.0000	13.07	13.07	13.07
Assure II	ounce											8.0000	0.98	7.84	7.84
Water tank	1000 gal	2wd 170	0.131	0.05	Jun	0.09	0.09	0.00	0.00	0.008	0.05				0.26
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											141.0000	0.07	10.43	10.43
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Buctril 4EC	pint											1.0000	13.07	13.07	13.07
Caparol 4L	pint											0.5000	3.54	1.77	1.77
MSMA 6#	pint											1.3300	2.43	3.23	3.23
Vydate C-LV	pint											0.2500	8.25	2.06	2.06
Mepiquat Chloride	ounce											4.0000	0.48	1.92	1.92
Water tank	1000 gal	170	0.131	0.05	Jun	0.07	0.04	0.00	0.00	0.008	0.05				0.18
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.37	1.34	0.40	0.67	0.163	1.09				4.88
Direx 80DF	lb											0.3300	4.00	1.32	1.32
MSMA 6#	pint											1.3300	2.43	3.23	3.23

Table 2. Estimated resource use and costs for field operations, per acre Cotton, BXN System, Furrow Irrigation, Loamy Soils, Northeast Arkansas, 2003, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						----------dollars----------					dollars		-------dollars--------		
Water tank	1000 gal	2wd 170	0.131	0.06	Jun	0.11	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			3.34	16.33	0.075	0.50	3.0000			20.17
Cotton insect scout	acre			1.00	Jun							1.0000	8.00	8.00	8.00
Furrow irrigation	ac in			1.00	Jul			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	11.55	5.77	5.77
Mepiquat Chloride	ounce											10.0000	0.48	4.80	4.80
Furrow irrigation	ac in			1.00	Jul			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
Mepiquat Chloride	ounce											12.0000	0.48	5.76	5.76
Furrow irrigation	ac in			1.00	Aug			3.34		0.075	0.50	3.0000			3.84
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	5.50	5.50	5.50
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	6.00	3.00	3.00
Dropp	lb											0.1000	58.00	5.80	5.80
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	6.00	3.96	3.96
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Oct			17.81	24.25	0.330	2.21				44.28
Module builder	32'	mfwd 190	0.220	1.00	Oct	3.94	4.09	1.02	2.76	0.242	1.62				13.45
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.34	3.23	0.95	2.56	0.286	1.91				12.01
TOTALS						24.59	24.72	37.42	53.46	2.742	18.37			239.55	398.14
INTEREST ON OPERATING CAPITAL															7.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															405.59

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

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

Production Practice	Cost per acre*	Budget No.
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	$12.80	None
Larvin (1 gal./ 3.5 acres)	$16.45	None
Tracer (1 gal./ 64 acres)	$11.56	Most
Tracer (1/2 rate) + Pyretheroid	$11.28	None
Defoliation for Irrigated Cotton	$37.16	Most
Defoliation for Dryland Cotton	$13.06	AG 707,715,722,727
Foliar Nitrogen, 23%	$0.57/gal.+App.	None
Flail Shredder, 20'	$7.93	AG 710,713,714,718
Gaucho seed treatment	$0.97/lb. of seed	AG 707,709,715,717,722-724,726-728,731
Harvest 2 row harvester, first pick	$56.85	None
2 row harvester, second pick	$43.42	None
4 row harvester, first pick	$44.28	Most
4 row harvester, second pick	$37.03	AG 707,709,711,713-715, 717,719,722,724,727,729
6 row harvester, (38" rows), first pick	$39.05	AG 725,730
6 row harvester, (38" rows), second pick	$30.44	AG 725,730
Irrigation, furrow (3 ac. in)	$3.84	Most
Irrigation, center pivot (1 ac. in)	$2.71	AG 709,717,724,725,729,730
Module Builder	$13.45	All
Row cultivate plus directed spray	$4.88 + material	All
Staple herbicide banded application (0.3 oz)	$6.30	Most
Prowl, and Incorporate (1.2 pints)	$6.77	Most
Treflan, Incorporator application (0.75 pints)	$6.02	AG 710,718
Treflan and Incorporate (1.5 pints)	$8.52	None

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

The authors gratefully acknowledge the contributions of Don Plunkett, Ken Smith, Don Johnson, Bill Robertson, Gus Lorenz, Jeremy Greene and Scott McConnell in the construction of the 2003 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.aragriculture.org/farmplanning/Budgets/default.asp