

## Estimating 2000 Costs of Production

### Cotton, Non-Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, 2000

Ag-571-12-99

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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	3.50	1.0000	3.50	_____
Cstm ap air 3 gal	acre	3.25	5.0000	16.25	_____
Cstm ap grd fert liq	acre	3.50	1.0000	3.50	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
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					
N (actual)	unit	0.21	80.0000	17.36	_____
P205	unit	0.22	46.0000	10.48	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
HARVEST AIDS					
Def or Folex	pint	5.21	1.0000	5.21	_____
Dropp	lb	56.00	0.1000	5.60	_____
Prep	pint	6.15	0.3300	2.02	_____
HERBICIDES					
Treflan 4EC	pint	3.76	1.5000	5.64	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
Staple	ounce	20.00	0.3000	6.00	_____
Caparol 4L	pint	3.50	0.5000	1.75	_____
MSMA	pint	2.25	2.6600	5.98	_____
Karmex DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Bidrin 8EC	oz	0.70	4.8000	3.36	_____
Vydate C-LV	pint	7.55	1.0000	7.55	_____
Pyrethroid	acre	6.32	3.0000	18.96	_____
Larvin 3.2	ounce	0.42	46.6000	19.57	_____
Methyl Parathion 4EC	pint	3.50	1.0000	3.50	_____
Tracer 4L	ounce	5.78	1.0000	5.78	_____
Surfactant-Non Ionic	oz	0.37	1.0000	0.37	_____
TECHNOLOGY FEE					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.50	2.0134	13.08	_____
Self-Propelled Eq.	hour	6.50	1.3892	9.03	_____
DIESEL FUEL					
Tractors	gal	0.70	17.0023	11.90	_____
Self-Propelled Eq.	gal	0.70	5.6197	3.93	_____
REPAIR & MAINTENANCE					
Implements	acre	6.10	1.0000	6.10	_____
Tractors	acre	13.38	1.0000	13.38	_____
Self-Propelled Eq.	acre	24.31	1.0000	24.31	_____
INTEREST ON OP. CAP.	acre	10.76	1.0000	10.76	_____
TOTAL DIRECT EXPENSES				298.33	_____
FIXED EXPENSES					
Implements	acre	14.36	1.0000	14.36	_____
Tractors	acre	21.03	1.0000	21.03	_____
Self-Propelled Eq.	acre	35.99	1.0000	35.99	_____
TOTAL FIXED EXPENSES				71.39	_____
TOTAL SPECIFIED EXPENSES				369.72	_____

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, AR 2000**

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'	200	0.216	1.00	Mar	4.33	3.66	0.45	1.17	0.259	1.68				11.31
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	3.50	3.50	3.50
N (actual)	unit											30.0000	0.21	6.51	6.51
P205	unit											46.0000	0.22	10.48	10.48
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	180	0.054	1.00	Apr	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.81	0.18	0.43	0.062	0.40				2.77
Treflan 4EC	pint											1.5000	3.76	5.64	5.64
Water tank	1000 gal	180	0.131	0.06	Apr	0.14	0.12	0.00	0.01	0.009	0.06				0.34
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Bed conditioner	26.67'	180	0.052	1.00	May	0.94	0.81	0.18	0.43	0.062	0.40				2.77
Plant+spr dir 8r@38"	25.33'	180	0.100	1.00	May	1.80	1.56	0.80	1.96	0.150	0.97				7.12
Cotton seed	lb											10.0000	0.87	8.70	8.70
Cotoran 4L	pint											1.0000	4.20	4.20	4.20
Staple	ounce											0.3000	20.00	6.00	6.00
Water tank	1000 gal	170	0.131	0.06	May	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Row cult + sprdir38"	25.33'	145	0.102	1.00	May	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Bidrin 8EC	oz											1.6000	0.70	1.12	1.12
Water tank	1000 gal	170	0.131	0.05	May	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap air 3 gal	acre			1.00	May							1.0000	3.25	3.25	3.25
Bidrin 8EC	oz											3.2000	0.70	2.24	2.24
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Karmex DF	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	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Cotton insect scout	acre			1.00	Jul							1.0000	6.50	6.50	6.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Eradication Fee CZ	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	6.32	6.32	6.32
Larvin 3.2	ounce											10.0000	0.42	4.20	4.20

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, Non-Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, AR 2000 (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 3 gal	acre			1.00	Aug							1.0000	3.25	3.25	3.25
Methyl Parathion 4EC pint												1.0000	3.50	3.50	3.50
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											1.0000	5.78	5.78	5.78
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Surfactant-Non Ionic oz												1.0000	0.37	0.37	0.37
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25	3.25
Larvin 3.2	ounce											36.6000	0.42	15.37	15.37
Cstm ap air defoliant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											1.0000	5.21	5.21	5.21
Dropp	lb											0.1000	56.00	5.60	5.60
Prep	pint											0.3300	6.15	2.02	2.02
Cotton picker-4r,1st	12.67'		0.294	1.00	Sep			20.50	26.12	1.008	6.55				53.18
Module builder	32'	160	0.220	1.00	Sep	3.29	2.69	1.02	2.99	0.264	1.71				11.72
Boll Buggy	4 bale	160	0.220	1.00	Sep	3.29	2.69	0.95	2.77	0.264	1.71				11.43
Cotton picker-4r,2nd	12.67'		0.222	0.50	Oct			7.74	9.87	0.380	2.47				20.09
Module builder	32'	160	0.220	0.10	Oct	0.32	0.26	0.10	0.29	0.026	0.17				1.17
Boll Buggy	4 bale	160	0.220	0.10	Oct	0.32	0.26	0.09	0.27	0.026	0.17				1.14
Stalk cutter	15'	145	0.137	1.00	Nov	1.88	1.51	0.50	0.50	0.164	1.06				5.47
TOTALS						25.28	21.03	34.35	50.36	3.402	22.11			205.80	358.96
INTEREST ON OPERATING CAPITAL															10.76
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															369.72

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, 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)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

**Estimating 2000 Costs of Production**  
**Cotton, Furrow Irrigated, Loamy Soils,**  
**Central Boll Weevil Eradication Zone, 2000**  
 Ag-572-12-99  
 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	3.50	2.0000	7.00	_____
Cstm ap grd fert liq	acre	3.50	1.0000	3.50	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.22	46.0000	10.48	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.21	100.0000	21.70	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.19	7.0000	15.33	_____
GROWTH REGULATORS					
Pix Plus	oz	0.80	26.0000	20.80	_____
HARVEST AIDS					
Prep	pint	6.15	2.3300	14.32	_____
Def or Folex	pint	5.21	1.5000	7.81	_____
Dropp	lb	56.00	0.1000	5.60	_____
HERBICIDES					
Treflan 4EC	pint	3.76	0.7500	2.82	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
Staple	ounce	20.00	0.6000	12.00	_____
Caparol 4L	pint	3.50	1.0000	3.50	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pt	11.75	0.5000	5.87	_____
INSECTICIDES					
Temik 15G	lb	3.20	3.0000	9.60	_____
Vydate C-LV	pint	7.55	1.2500	9.43	_____
Pyrethroid	acre	6.32	3.0000	18.96	_____
Larvin 3.2	ounce	0.42	10.0000	4.20	_____
Tracer 4L	ounce	5.78	1.0000	5.78	_____
Surfactant-Non Ionic	oz	0.37	1.0000	0.37	_____
Lannate LV 3.2	pint	5.78	2.0000	11.56	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.50	2.3040	14.97	_____
Self-Propelled Eq.	hour	6.50	1.0083	6.55	_____
IRRIGATION LABOR					
Furrow irrg - cotton	hour	6.50	1.5750	10.23	_____
DIESEL FUEL					
Tractors	gal	0.70	18.1195	12.68	_____
Self-Propelled Eq.	gal	0.70	4.0788	2.85	_____
Furrow irrg - cotton	gal	0.70	9.6495	6.75	_____
REPAIR & MAINTENANCE					
Implements	acre	6.98	1.0000	6.98	_____
Tractors	acre	14.43	1.0000	14.43	_____
Self-Propelled Eq.	acre	17.64	1.0000	17.64	_____
Furrow irrg - cotton	acre	2.73	1.0000	2.73	_____
INTEREST ON OP. CAP.	acre	12.36	1.0000	12.36	_____
TOTAL DIRECT EXPENSES				389.80	_____
FIXED EXPENSES					
Implements	acre	15.26	1.0000	15.26	_____
Tractors	acre	22.70	1.0000	22.70	_____
Self-Propelled Eq.	acre	26.12	1.0000	26.12	_____
Furrow irrg - cotton	acre	13.96	1.0000	13.96	_____
TOTAL FIXED EXPENSES				78.07	_____
TOTAL SPECIFIED EXPENSES				467.87	_____

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 Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, AR 2000**

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'	145	0.137	1.00	Oct	1.88	1.51	0.50	0.50	0.164	1.06				5.47
Disk, medium cut	26.41'	180	0.082	1.00	Oct	1.48	1.28	0.44	1.11	0.098	0.63				4.96
Chisel plow	21'	180	0.092	1.00	Oct	1.66	1.44	0.17	0.36	0.110	0.71				4.36
Cstm ap grd fert dry acre				1.00	Nov							1.0000	3.50	3.50	3.50
P205	unit											46.0000	0.22	10.48	10.48
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	180	0.054	1.00	Nov	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Nov	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.81	0.18	0.43	0.062	0.40				2.77
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Incorprovisor + spry	25.5'	180	0.063	1.00	May	1.14	0.98	0.25	0.59	0.094	0.61				3.59
Treflan 4EC	pint											0.7500	3.76	2.82	2.82
Water tank	1000 gal	170	0.131	0.06	May	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Plntr hbox + granule	25.33'	180	0.100	1.00	May	1.80	1.56	0.95	1.70	0.230	1.49				7.52
Cotton seed	lb											10.0000	0.87	8.70	8.70
Temik 15G	lb											3.0000	3.20	9.60	9.60
Terraclor SE granul	lb											7.0000	2.19	15.33	15.33
Cotoran 4L	pint											1.0000	4.20	4.20	4.20
Water tank	1000 gal	170	0.131	0.05	May	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap grd fert liq acre				1.00	May							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult 8r@38"	25.33'	145	0.102	1.00	May	1.40	1.12	0.29	0.53	0.122	0.79				4.15
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Staple	ounce											0.6000	20.00	12.00	12.00
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap grd fert dry acre				1.00	Jun							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.55	1.88	1.88
Pix Plus	oz											4.0000	0.80	3.20	3.20
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Goal 2XL	pt											0.5000	11.75	5.87	5.87
MSMA	pint											1.3300	2.25	2.99	2.99

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, Furrow Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, AR 2000 (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-----			
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrg - cotton	ac in			1.00	Jun			2.70	3.99	0.450	2.92	3.0000			9.62
Cotton insect scout	acre			1.00	Jul							1.0000	6.50	6.50	6.50
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Pix Plus	oz											10.0000	0.80	8.00	8.00
Eradication Fee CZ	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000			9.62
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Larvin 3.2	ounce											10.0000	0.42	4.20	4.20
Pix Plus	oz											12.0000	0.80	9.60	9.60
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000			9.62
Furrow irrg - cotton	ac in			1.00	Aug			1.35	1.99	0.225	1.46	1.5000			4.81
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Tracer 4L	ounce											1.0000	5.78	5.78	5.78
Surfactant-Non Ionic	oz											1.0000	0.37	0.37	0.37
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Lannate LV 3.2	pint											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Prep	pint											0.3300	6.15	2.02	2.02
Def or Folex	pint											0.7500	5.21	3.90	3.90
Dropp	lb											0.1000	56.00	5.60	5.60
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Prep	pint											2.0000	6.15	12.30	12.30
Def or Folex	pint											0.7500	5.21	3.90	3.90
Cotton picker-4r,1st	12.67'		0.294	1.00	Oct			20.50	26.12	1.008	6.55				53.18
Module builder	32'	180	0.220	1.00	Oct	3.98	3.44	1.02	2.99	0.264	1.71				13.16
Boll Buggy	4 bale	160	0.220	1.00	Oct	3.29	2.69	0.95	2.77	0.264	1.71				11.43
TOTALS						27.12	22.70	36.96	55.36	4.887	31.76			281.58	455.50
INTEREST ON OPERATING CAPITAL															12.36
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															467.86

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.**

Production Practice	Cost per acre*	Budget No.
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyrethroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.



**Estimating 2000 Costs of Production**  
**Cotton, Center Pivot Irrigation, 130 Acres, Loamy Soils,**  
**Central Boll Weevil Eradication Zone, 2000**

Ag-573-12-99

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	3.50	1.0000	3.50	_____
Cstm ap grd fert liq	acre	3.50	2.0000	7.00	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
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>					
P2O5	unit	0.22	46.0000	10.48	_____
K2O	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.21	100.0000	21.70	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.19	7.0000	15.33	_____
<b>GROWTH REGULATORS</b>					
Pix Plus	oz	0.80	26.0000	20.80	_____
<b>HARVEST AIDS</b>					
Finish	pt	6.83	0.3300	2.25	_____
Def or Folex	pint	5.21	1.0000	5.21	_____
Dropp	lb	56.00	0.1000	5.60	_____
Prep	pint	6.15	2.0000	12.30	_____
<b>HERBICIDES</b>					
Treflan 4EC	pint	3.76	0.7500	2.82	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
Staple	ounce	20.00	0.6000	12.00	_____
Caparol 4L	pint	3.50	1.0000	3.50	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pt	11.75	0.5000	5.87	_____
<b>INSECTICIDES</b>					
Gaicho	lb	0.97	10.0000	9.70	_____
Vydate C-LV	pint	7.55	1.2500	9.43	_____
Pyrethroid	acre	6.32	3.0000	18.96	_____
Tracer 4L	ounce	5.78	1.0000	5.78	_____
Surfactant-Non Ionic	oz	0.37	1.0000	0.37	_____
Larvin 3.2	ounce	0.42	10.0000	4.20	_____
Lannate LV 3.2	pint	5.78	2.0000	11.56	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.50	2.3599	15.33	_____
Self-Propelled Eq.	hour	6.50	1.3892	9.03	_____
<b>IRRIGATION LABOR</b>					
C-piv irrg.- cotton	hour	6.50	0.4375	2.84	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.70	18.6246	13.03	_____
Self-Propelled Eq.	gal	0.70	5.6197	3.93	_____
C-piv irrg.- cotton	gal	0.70	14.4375	10.10	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.18	1.0000	7.18	_____
Tractors	acre	14.83	1.0000	14.83	_____
Self-Propelled Eq.	acre	24.31	1.0000	24.31	_____
C-piv irrg.- cotton	acre	9.18	1.0000	9.18	_____
INTEREST ON OP. CAP.	acre	12.32	1.0000	12.32	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>395.68</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	15.84	1.0000	15.84	_____
Tractors	acre	23.33	1.0000	23.33	_____
Self-Propelled Eq.	acre	35.99	1.0000	35.99	_____
C-piv irrg.- cotton	acre	74.28	1.0000	74.28	_____
<b>TOTAL FIXED EXPENSES</b>				<b>149.47</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>545.15</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, AR 2000**

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'	145	0.137	1.00	Oct	1.88	1.51	0.50	0.50	0.164	1.06				5.47
Disk, medium cut	26.41'	180	0.082	1.00	Oct	1.48	1.28	0.44	1.11	0.098	0.63				4.96
Chisel plow	21'	180	0.092	1.00	Oct	1.66	1.44	0.17	0.36	0.110	0.71				4.36
Cstm ap grd fert dry acre				1.00	Nov							1.0000	3.50	3.50	3.50
P205	unit											46.0000	0.22	10.48	10.48
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	180	0.054	1.00	Nov	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Nov	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.81	0.18	0.43	0.062	0.40				2.77
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Incorprovator + spry	25.5'	180	0.063	1.00	May	1.14	0.98	0.25	0.59	0.094	0.61				3.59
Treflan 4EC	pint											0.7500	3.76	2.82	2.82
Water tank	1000 gal	170	0.131	0.06	May	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Plntr hbox + granule	25.33'	180	0.100	1.00	May	1.80	1.56	0.95	1.70	0.230	1.49				7.52
Cotton seed	lb											10.0000	0.87	8.70	8.70
Gaicho	lb											10.0000	0.97	9.70	9.70
Terraclor SE granul	lb											7.0000	2.19	15.33	15.33
Cotoran 4L	pint											1.0000	4.20	4.20	4.20
Water tank	1000 gal	170	0.131	0.06	May	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Cstm ap grd fert liq acre				1.00	May							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult 8r@38"	25.33'	145	0.102	1.00	May	1.40	1.12	0.29	0.53	0.122	0.79				4.15
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Staple	ounce											0.6000	20.00	12.00	12.00
Water tank	1000 gal	170	0.131	0.06	Jun	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Cstm ap grd fert liq acre				1.00	Jun							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
C-piv irrg.- cotton	ac in			1.00	Jun			2.75	10.61	0.062	0.40				13.77
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Vydate C-LV	pint											0.2500	7.55	1.88	1.88
Pix Plus	oz											4.0000	0.80	3.20	3.20
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
C-piv irrg.- cotton	ac in			1.00	Jun			2.75	10.61	0.062	0.40				13.77
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Goal 2XL	pt											0.5000	11.75	5.87	5.87
MSMA	pint											1.3300	2.25	2.99	2.99

**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, AR 2000 (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-----			
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
C-piv irrg.- cotton	ac in			1.00	Jul			2.75	10.61	0.062	0.40	1.2500			13.77
Cotton insect scout	acre			1.00	Jul							1.0000	6.50	6.50	6.50
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Pix Plus	oz											10.0000	0.80	8.00	8.00
C-piv irrg.- cotton	ac in			1.00	Jul			2.75	10.61	0.062	0.40	1.2500			13.77
Eradication Fee CZ	acre			1.00	Jul							1.0000	7.50	7.50	7.50
C-piv irrg.- cotton	ac in			1.00	Jul			2.75	10.61	0.062	0.40	1.2500			13.77
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Tracer 4L	ounce											1.0000	5.78	5.78	5.78
Pix Plus	oz											12.0000	0.80	9.60	9.60
Surfactant-Non Ionic	oz											1.0000	0.37	0.37	0.37
C-piv irrg.- cotton	ac in			1.00	Aug			2.75	10.61	0.062	0.40	1.2500			13.77
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
C-piv irrg.- cotton	ac in			1.00	Aug			2.75	10.61	0.062	0.40	1.2500			13.77
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Larvin 3.2	ounce											10.0000	0.42	4.20	4.20
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Lannate LV 3.2	pint											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	pt											0.3300	6.83	2.25	2.25
Def or Folex	pint											0.5000	5.21	2.60	2.60
Dropp	lb											0.1000	56.00	5.60	5.60
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Prep	pint											2.0000	6.15	12.30	12.30
Def or Folex	pint											0.5000	5.21	2.60	2.60
Cotton picker-4r,1st	12.67'		0.294	1.00	Oct			20.50	26.12	1.008	6.55				53.18
Module builder	32'	180	0.220	1.00	Oct	3.98	3.44	1.02	2.99	0.264	1.71				13.16
Boll Buggy	4 bale	160	0.220	1.00	Oct	3.29	2.69	0.95	2.77	0.264	1.71				11.43
Cotton picker-4r,2nd	12.67'		0.222	0.50	Oct			7.74	9.87	0.380	2.47				20.09
Module builder	32'	180	0.220	0.10	Oct	0.39	0.34	0.10	0.29	0.026	0.17				1.31
Boll Buggy	4 bale	160	0.220	0.10	Oct	0.32	0.26	0.09	0.27	0.026	0.17				1.14
TOTALS						27.87	23.33	54.72	126.13	4.186	27.21			273.55	532.83
INTEREST ON OPERATING CAPITAL															12.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															545.15

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.**

Production Practice	Cost per acre*	Budget No.
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

**Estimating 2000 Costs of Production**  
**Cotton, Stale Seedbed, Furrow Irrigated, Mixed Soils,**  
**Central Boll Weevil Eradication Zone, 2000**

Ag-574-12-99

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	3.50	1.0000	3.50	_____
Cstm ap air herbicid	acre	5.00	1.0000	5.00	_____
Cstm ap grd fert liq	acre	3.50	2.0000	7.00	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
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	0.22	46.0000	10.48	_____
K20	unit	0.12	60.0000	7.74	_____
N (actual)	unit	0.21	100.0000	21.70	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.19	7.0000	15.33	_____
<b>GROWTH REGULATORS</b>					
Pix Plus	oz	0.80	26.0000	20.80	_____
<b>HARVEST AIDS</b>					
Prep	pint	6.15	2.3300	14.32	_____
Def or Folex	pint	5.21	1.5000	7.81	_____
Dropp	lb	56.00	0.1000	5.60	_____
<b>HERBICIDES</b>					
2,4-D Amine	pint	1.60	1.0000	1.60	_____
Caparol 4L	pint	3.50	1.0000	3.50	_____
Gramoxone Extra	pint	3.95	1.0000	3.95	_____
Roundup Ultra	pint	4.37	0.7500	3.28	_____
Treflan 4EC	pint	3.76	0.7500	2.82	_____
Staple	ounce	20.00	0.9000	18.00	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
MSMA	pint	2.25	2.6600	5.98	_____
Goal 2XL	pt	11.75	0.5000	5.87	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.20	3.0000	9.60	_____
Ammo	oz	1.88	1.0000	1.88	_____
Vydate C-LV	pint	7.55	1.2500	9.43	_____
Pyrethroid	acre	6.32	3.0000	18.96	_____
Larvin 3.2	ounce	0.42	10.0000	4.20	_____
Tracer 4L	ounce	5.78	1.0000	5.78	_____
Surfactant-Non Ionic	oz	0.37	1.0000	0.37	_____
Lannate LV 3.2	pint	5.78	2.0000	11.56	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.50	1.8264	11.87	_____
Self-Propelled Eq.	hour	6.50	1.0083	6.55	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.50	1.5750	10.23	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.70	14.6818	10.27	_____
Self-Propelled Eq.	gal	0.70	4.0788	2.85	_____
Furrow irrg - cotton	gal	0.70	9.6495	6.75	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	4.86	1.0000	4.86	_____
Tractors	acre	12.06	1.0000	12.06	_____
Self-Propelled Eq.	acre	17.64	1.0000	17.64	_____
Furrow irrg - cotton	acre	2.73	1.0000	2.73	_____
INTEREST ON OP. CAP.	acre	13.34	1.0000	13.34	_____
<b>TOTAL DIRECT EXPENSES</b>				396.20	_____
<b>FIXED EXPENSES</b>					
Implements	acre	11.58	1.0000	11.58	_____
Tractors	acre	18.88	1.0000	18.88	_____
Self-Propelled Eq.	acre	26.12	1.0000	26.12	_____
Furrow irrg - cotton	acre	13.96	1.0000	13.96	_____
<b>TOTAL FIXED EXPENSES</b>				70.56	_____
<b>TOTAL SPECIFIED EXPENSES</b>				466.77	_____

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 Irrigated, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000**

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'	180	0.143	1.00	Oct	2.58	2.24	0.52	1.02	0.171	1.11				7.50
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	3.50	3.50	3.50
P205	unit											46.0000	0.22	10.48	10.48
K20	unit											60.0000	0.12	7.74	7.74
Ripr hipr 8r@38"	25'	180	0.078	1.00	Oct	1.41	1.22	0.29	0.63	0.093	0.60				4.17
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Oct	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Cstm ap air herbicid	acre			1.00	Feb							1.0000	5.00	5.00	5.00
2,4-D Amine	pint											1.0000	1.60	1.60	1.60
Sprayer, Broadcast	26.67'	180	0.095	1.00	Mar	1.71	1.48	0.16	0.39	0.142	0.92				4.69
Caparol 4L	pint											0.5000	3.50	1.75	1.75
Gramoxone Extra	pint											1.0000	3.95	3.95	3.95
Water tank	1000 gal	160	0.131	0.12	Mar	0.23	0.19	0.01	0.02	0.018	0.12				0.58
Sprayer, Broadcast	26.67'	180	0.095	0.10	Apr	0.17	0.14	0.01	0.03	0.014	0.09				0.46
Roundup Ultra	pint											0.1250	4.37	0.54	0.54
Water tank	1000 gal	160	0.131	0.01	Apr	0.01	0.01	0.00	0.00	0.001	0.01				0.04
Incorprovator	25.5'	180	0.063	1.00	Apr	1.14	0.98	0.17	0.40	0.075	0.49				3.20
Treflan 4EC	pint											0.7500	3.76	2.82	2.82
Staple	ounce											0.3000	20.00	6.00	6.00
Water tank	1000 gal	160	0.131	0.05	Apr	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Plntr hbox + granule	25.33'	180	0.100	1.00	May	1.80	1.56	0.95	1.70	0.230	1.49				7.52
Cotton seed	lb											10.0000	0.87	8.70	8.70
Temik 15G	lb											3.0000	3.20	9.60	9.60
Terraclor SE granul	lb											7.0000	2.19	15.33	15.33
Cotoran 4L	pint											1.0000	4.20	4.20	4.20
Ammo	oz											1.0000	1.88	1.88	1.88
Water tank	1000 gal	160	0.131	0.06	May	0.11	0.09	0.00	0.01	0.009	0.06				0.29
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Sprayer, dir 8r@38"	25.33'	145	0.100	1.00	Jun	1.37	1.10	0.12	0.29	0.150	0.97				3.87
Staple	ounce											0.6000	20.00	12.00	12.00
Roundup Ultra	pint											0.6250	4.37	2.73	2.73
Sprayer, dir 8r@38"	25.33'	145	0.100	1.00	Jun	1.37	1.10	0.12	0.29	0.150	0.97				3.87
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Pix Plus	oz											4.0000	0.80	3.20	3.20
Vydate C-LV	pint											0.2500	7.55	1.88	1.88
Water tank	1000 gal	160	0.131	0.05	Jun	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Row cult 8r@38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.29	0.53	0.122	0.79				4.15
Goal 2XL	pt											0.5000	11.75	5.87	5.87
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	160	0.131	0.12	Jun	0.23	0.19	0.01	0.02	0.018	0.12				0.58
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, Stale Seedbed, Furrow Irrigated, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000 (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	Jun			2.70	3.99	0.450	2.92	3.0000				9.62
Cstm ap grd fert liq acre				1.00	Jun							1.0000	3.50	3.50		3.50
N (actual) unit												50.0000	0.21	10.85		10.85
Cotton insect scout acre				1.00	Jul							1.0000	6.50	6.50		6.50
Cstm ap air 3 gal acre				1.00	Jul							1.0000	3.25	3.25		3.25
Pyrethroid acre												1.0000	6.32	6.32		6.32
Pix Plus oz												10.0000	0.80	8.00		8.00
Furrow irrg - cotton ac in				1.00	Jul			2.70	3.99	0.450	2.92	3.0000				9.62
Eradication Fee CZ 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	6.32	6.32		6.32
Larvin 3.2 ounce												10.0000	0.42	4.20		4.20
Pix Plus oz												12.0000	0.80	9.60		9.60
Furrow irrg - cotton ac in				1.00	Jul			2.70	3.99	0.450	2.92	3.0000				9.62
Cstm ap air 3 gal acre				1.00	Aug							1.0000	3.25	3.25		3.25
Vydate C-LV pint												0.5000	7.55	3.77		3.77
Furrow irrg - cotton ac in				1.00	Aug			1.35	1.99	0.225	1.46	1.5000				4.81
Cstm ap air 5 gal acre				1.00	Aug							1.0000	4.00	4.00		4.00
Pyrethroid acre												1.0000	6.32	6.32		6.32
Tracer 4L ounce												1.0000	5.78	5.78		5.78
Surfactant-Non Ionic oz												1.0000	0.37	0.37		0.37
Cstm ap air 5 gal acre				1.00	Aug							1.0000	4.00	4.00		4.00
Lannate LV 3.2 pint												2.0000	5.78	11.56		11.56
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50		4.50
Prep pint												0.3300	6.15	2.02		2.02
Def or Folex pint												0.7500	5.21	3.90		3.90
Dropp lb												0.1000	56.00	5.60		5.60
Cstm ap air defolant acre				1.00	Sep							1.0000	4.50	4.50		4.50
Prep pint												2.0000	6.15	12.30		12.30
Def or Folex pint												0.7500	5.21	3.90		3.90
Cotton picker-4r,1st 12.67'			0.294	1.00	Oct			20.50	26.12	1.008	6.55					53.18
Module builder 32'	180		0.220	1.00	Oct	3.98	3.44	1.02	2.99	0.264	1.71					13.16
Boll Buggy 4 bale	160		0.220	1.00	Oct	3.29	2.69	0.95	2.77	0.264	1.71					11.43
TOTALS						22.34	18.88	34.85	51.67	4.409	28.66			297.00		453.43
INTEREST ON OPERATING CAPITAL																13.34
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																466.77

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.

**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)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.



**Estimating 2000 Costs of Production**  
**Cotton, Bt, Furrow Irrigated, Mixed Soils,**  
**Central Boll Weevil Eradication Zone, 2000**  
 Ag-575-12-99  
 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	3.50	1.0000	3.50	_____
Cstm ap grd fert liq	acre	3.50	2.0000	7.00	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
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	0.22	46.0000	10.48	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.21	100.0000	21.70	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.19	7.0000	15.33	_____
<b>GROWTH REGULATORS</b>					
Pix Plus	oz	0.80	26.0000	20.80	_____
<b>HARVEST AIDS</b>					
Finish	pt	6.83	0.3300	2.25	_____
Def or Folex	pint	5.21	1.0000	5.21	_____
Dropp	lb	56.00	0.1000	5.60	_____
Prep	pint	6.15	2.0000	12.30	_____
<b>HERBICIDES</b>					
Treflan 4EC	pint	3.76	0.7500	2.82	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
Staple	ounce	20.00	0.6000	12.00	_____
Caparol 4L	pint	3.50	1.0000	3.50	_____
MSMA	pint	2.25	3.9900	8.97	_____
Goal 2XL	pt	11.75	0.5000	5.87	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.20	3.0000	9.60	_____
Vydate C-LV	pint	7.55	1.2500	9.43	_____
Pyrethroid	acre	6.32	2.0000	12.64	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
Tech Fee (BG Small)	lb	3.02	10.0000	30.20	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.50	2.3379	15.19	_____
Self-Propelled Eq.	hour	6.50	1.3892	9.03	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.50	1.5750	10.23	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.70	18.6116	13.02	_____
Self-Propelled Eq.	gal	0.70	5.6197	3.93	_____
Furrow irrg - cotton	gal	0.70	9.6495	6.75	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	15.03	1.0000	15.03	_____
Self-Propelled Eq.	acre	24.31	1.0000	24.31	_____
Furrow irrg - cotton	acre	2.73	1.0000	2.73	_____
INTEREST ON OP. CAP.	acre	12.98	1.0000	12.98	_____
<b>TOTAL DIRECT EXPENSES</b>				<b>394.81</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	15.65	1.0000	15.65	_____
Tractors	acre	23.54	1.0000	23.54	_____
Self-Propelled Eq.	acre	35.99	1.0000	35.99	_____
Furrow irrg - cotton	acre	13.96	1.0000	13.96	_____
<b>TOTAL FIXED EXPENSES</b>				<b>89.16</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>483.97</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, Bt, Furrow Irrigated, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000**

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'	145	0.137	1.00	Oct	1.88	1.51	0.50	0.50	0.164	1.06				5.47
Disk bedder, 8r@38"	26.41'	180	0.082	1.00	Oct	1.48	1.28	0.44	1.11	0.098	0.63				4.96
Chisel plow	21'	180	0.092	1.00	Oct	1.66	1.44	0.17	0.36	0.110	0.71				4.36
Cstm ap grd fert dry acre				1.00	Nov							1.0000	3.50	3.50	3.50
P205	unit											46.0000	0.22	10.48	10.48
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	180	0.054	1.00	Nov	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Nov	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54				3.48
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.81	0.18	0.43	0.062	0.40				2.77
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Incorporator	25.5'	180	0.063	1.00	May	1.14	0.98	0.17	0.40	0.075	0.49				3.20
Treflan 4EC	pint											0.7500	3.76	2.82	2.82
Water tank	1000 gal	160	0.131	0.06	May	0.11	0.09	0.00	0.01	0.009	0.06				0.29
Plntr hbox + granule	25.33'	180	0.100	1.00	May	1.80	1.56	0.95	1.70	0.230	1.49				7.52
Cotton Seed (Bt)	lb											10.0000	1.00	10.00	10.00
Temik 15G	lb											3.0000	3.20	9.60	9.60
Terraclor SE granul	lb											7.0000	2.19	15.33	15.33
Cotoran 4L	pint											1.0000	4.20	4.20	4.20
Tech Fee (BG Small)	lb											10.0000	3.02	30.20	30.20
Water tank	1000 gal	160	0.131	0.05	May	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Cstm ap grd fert liq acre				1.00	May							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult 8r@38"	25.33'	145	0.102	1.00	May	1.40	1.12	0.29	0.53	0.122	0.79				4.15
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Staple	ounce											0.6000	20.00	12.00	12.00
Water tank	1000 gal	160	0.131	0.05	Jun	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Cstm ap grd fert liq acre				1.00	Jun							1.0000	3.50	3.50	3.50
N (actual)	unit											50.0000	0.21	10.85	10.85
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	160	0.131	0.05	Jun	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Caparol 4L	pint											0.5000	3.50	1.75	1.75
MSMA	pint											1.3300	2.25	2.99	2.99
Pix Plus	oz											4.0000	0.80	3.20	3.20
Vydate C-LV	pint											0.2500	7.55	1.88	1.88
Water tank	1000 gal	160	0.131	0.05	Jun	0.09	0.08	0.00	0.00	0.007	0.05				0.24
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99				4.65
Goal 2XL	pt											0.5000	11.75	5.87	5.87
MSMA	pint											1.3300	2.25	2.99	2.99

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, Bt, Furrow Irrigated, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000 (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-----				
Water tank	1000 gal	160	0.131	0.05	Jun	0.09	0.08	0.00	0.00	0.007	0.05					0.24
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Furrow irrg - cotton	ac in			1.00	Jun			2.70	3.99	0.450	2.92	3.0000				9.62
Cotton insect scout	acre			1.00	Jul							1.0000	6.50	6.50		6.50
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25		3.25
Pyrethroid	acre											1.0000	6.32	6.32		6.32
Pix Plus	oz											10.0000	0.80	8.00		8.00
Eradication Fee CZ	acre			1.00	Jul							1.0000	7.50	7.50		7.50
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000				9.62
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	6.32	6.32		6.32
Pix Plus	oz											12.0000	0.80	9.60		9.60
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000				9.62
Furrow irrg - cotton	ac in			1.00	Aug			1.35	1.99	0.225	1.46	1.5000				4.81
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25		3.25
Vydate C-LV	pint											0.5000	7.55	3.77		3.77
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50		4.50
Finish	pt											0.3300	6.83	2.25		2.25
Def or Folex	pint											0.5000	5.21	2.60		2.60
Dropp	lb											0.1000	56.00	5.60		5.60
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50		4.50
Prep	pint											2.0000	6.15	12.30		12.30
Def or Folex	pint											0.5000	5.21	2.60		2.60
Boll Buggy	4 bale	160	0.220	1.00	Oct	3.29	2.69	0.95	2.77	0.264	1.71					11.43
Cotton picker-4r,1st	12.67'		0.294					20.50	26.12	1.008	6.55					53.18
Module builder	32'	180	0.220	1.00	Oct	3.98	3.44	1.02	2.99	0.264	1.71					13.16
Cotton picker-4r,2nd	12.67'		0.222	0.50	Oct			7.74	9.87	0.380	2.47					20.09
Boll Buggy	4 bale	160	0.220	0.10	Oct	0.32	0.26	0.09	0.27	0.026	0.17					1.14
Module builder	32'	180	0.220	0.10	Oct	0.39	0.34	0.10	0.29	0.026	0.17					1.31
<b>TOTALS</b>						<b>28.06</b>	<b>23.54</b>	<b>44.82</b>	<b>65.62</b>	<b>5.302</b>	<b>34.46</b>			<b>274.47</b>		<b>470.99</b>
INTEREST ON OPERATING CAPITAL																12.98
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																483.97

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.**

Production Practice	Cost per acre*	Budget No.
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.

**Estimating 2000 Costs of Production**  
**Cotton, BXN System, Furrow Irrigated, Loamy Soils,**  
**Central Boll Weevil Eradication Zone, 2000**

Ag-576-12-99

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	1.43	10.0000	14.39	_____
<b>CUSTOM WORK</b>					
Cstm ap grd fert dry	acre	3.50	2.0000	7.00	_____
Cstm ap grd fert liq	acre	3.50	1.0000	3.50	_____
Cstm ap air 3 gal	acre	3.25	3.0000	9.75	_____
Cotton insect scout	acre	6.50	1.0000	6.50	_____
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	0.22	46.0000	10.48	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.21	100.0000	21.70	_____
<b>FUNGICIDE &amp; SEED TR.</b>					
Terraclor SE granul	lb	2.19	7.0000	15.33	_____
<b>GROWTH REGULATORS</b>					
Pix Plus	oz	0.80	26.0000	20.80	_____
<b>HARVEST AIDS</b>					
Prep	pint	6.15	2.3300	14.32	_____
Def or Folex	pint	5.21	1.5000	7.81	_____
Dropp	lb	56.00	0.1000	5.60	_____
<b>HERBICIDES</b>					
Treflan 4EC	pint	3.76	0.7500	2.82	_____
Cotoran 4L	pint	4.20	1.0000	4.20	_____
Buctril 4EC	pint	12.65	2.0000	25.30	_____
Assure II	ounce	0.94	8.0000	7.52	_____
Caparol 4L	pint	3.50	0.5000	1.75	_____
MSMA	pint	2.25	1.3300	2.99	_____
<b>INSECTICIDES</b>					
Temik 15G	lb	3.20	3.0000	9.60	_____
Vydate C-LV	pint	7.55	1.0000	7.55	_____
Pyrethroid	acre	6.32	3.0000	18.96	_____
Larvin 3.2	ounce	0.42	10.0000	4.20	_____
Tracer 4L	ounce	5.78	1.0000	5.78	_____
Surfactant-Non Ionic	oz	0.37	1.0000	0.37	_____
Lannate LV 3.2	pint	5.78	2.0000	11.56	_____
<b>MISC. IRRIGATION</b>					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
<b>TECHNOLOGY FEE</b>					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
<b>OPERATOR LABOR</b>					
Implements	hour	6.50	2.0447	13.29	_____
Self-Propelled Eq.	hour	6.50	1.0083	6.55	_____
<b>IRRIGATION LABOR</b>					
Furrow irrg - cotton	hour	6.50	1.5750	10.23	_____
<b>DIESEL FUEL</b>					
Tractors	gal	0.70	16.1313	11.29	_____
Self-Propelled Eq.	gal	0.70	4.0788	2.85	_____
Furrow irrg - cotton	gal	0.70	9.6495	6.75	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	6.13	1.0000	6.13	_____
Tractors	acre	12.87	1.0000	12.87	_____
Self-Propelled Eq.	acre	17.64	1.0000	17.64	_____
Furrow irrg - cotton	acre	2.73	1.0000	2.73	_____
INTEREST ON OP. CAP.	acre	12.71	1.0000	12.71	_____
<b>TOTAL DIRECT EXPENSES</b>				395.68	_____
<b>FIXED EXPENSES</b>					
Implements	acre	13.41	1.0000	13.41	_____
Tractors	acre	20.25	1.0000	20.25	_____
Self-Propelled Eq.	acre	26.12	1.0000	26.12	_____
Furrow irrg - cotton	acre	13.96	1.0000	13.96	_____
<b>TOTAL FIXED EXPENSES</b>				73.75	_____
<b>TOTAL SPECIFIED EXPENSES</b>				469.44	_____

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 Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, AR 2000**

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'	145	0.137	1.00	Oct	1.88	1.51	0.50	0.50	0.164	1.06					5.47
Chisel plow	21'	180	0.092	1.00	Oct	1.66	1.44	0.17	0.36	0.110	0.71					4.36
Cstm ap grd fert dry acre				1.00	Nov							1.0000	3.50	3.50		3.50
P205	unit											46.0000	0.22	10.48		10.48
K20	unit											60.0000	0.12	7.74		7.74
Boron	unit											1.0000	3.30	3.30		3.30
Field cultivator	25.5'	180	0.054	1.00	Nov	0.97	0.84	0.20	0.47	0.064	0.42					2.92
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Nov	1.26	1.09	0.17	0.39	0.084	0.54					3.48
Disk bedder, 8r@38"	25.33'	180	0.070	1.00	Apr	1.26	1.09	0.17	0.39	0.084	0.54					3.48
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.81	0.18	0.43	0.062	0.40					2.77
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50		7.50
Incorproator + spry	25.5'	180	0.063	1.00	May	1.14	0.98	0.25	0.59	0.094	0.61					3.59
Treflan 4EC	pint											0.7500	3.76	2.82		2.82
Water tank	1000 gal	170	0.131	0.06	May	0.07	0.05	0.00	0.01	0.009	0.06					0.20
Plntr hbox + granule	25.33'	180	0.100	1.00	May	1.80	1.56	0.95	1.70	0.230	1.49					7.52
Cotton seed (BXN)	lb											10.0000	1.43	14.39		14.39
Temik 15G	lb											3.0000	3.20	9.60		9.60
Terraclor SE granul	lb											7.0000	2.19	15.33		15.33
Cotoran 4L	pint											1.0000	4.20	4.20		4.20
Water tank	1000 gal	170	0.131	0.05	May	0.06	0.04	0.00	0.00	0.007	0.05					0.17
Cstm ap grd fert liq	acre			1.00	May							1.0000	3.50	3.50		3.50
N (actual)	unit											50.0000	0.21	10.85		10.85
Row cult 8r@38"	25.33'	145	0.102	1.00	May	1.40	1.12	0.29	0.53	0.122	0.79					4.15
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99					4.65
Buctril 4EC	pint											1.0000	12.65	12.65		12.65
Assure II	ounce											8.0000	0.94	7.52		7.52
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05					0.17
Cstm ap grd fert dry	acre			1.00	Jun							1.0000	3.50	3.50		3.50
N (actual)	unit											50.0000	0.21	10.85		10.85
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99					4.65
Buctril 4EC	pint											1.0000	12.65	12.65		12.65
Pix Plus	oz											4.0000	0.80	3.20		3.20
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05					0.17
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25		3.25
Vydate C-LV	pint											0.5000	7.55	3.77		3.77
Row cult + sprdir38"	25.33'	145	0.102	1.00	Jun	1.40	1.12	0.40	0.73	0.153	0.99					4.65
Caparol 4L	pint											0.5000	3.50	1.75		1.75
MSMA	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05					0.17
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Furrow irrg - cotton	ac in			1.00	Jun			2.70	3.99	0.450	2.92					9.62
Cotton insect scout	acre			1.00	Jul							1.0000	6.50	6.50		6.50
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25		3.25
Pyrethroid	acre											1.0000	6.32	6.32		6.32
Pix Plus	oz											10.0000	0.80	8.00		8.00

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, BXN System, Furrow Irrigated, Loamy Soils, Central Boll Weevil Eradication Zone, AR 2000 (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			
Eradication Fee CZ	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000			9.62
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Larvin 3.2	ounce											10.0000	0.42	4.20	4.20
Pix Plus	oz											12.0000	0.80	9.60	9.60
Furrow irrg - cotton	ac in			1.00	Jul			2.70	3.99	0.450	2.92	3.0000			9.62
Furrow irrg - cotton	ac in			1.00	Aug			1.35	1.99	0.225	1.46	1.5000			4.81
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	6.32	6.32	6.32
Tracer 4L	ounce											1.0000	5.78	5.78	5.78
Surfactant-Non Ionic	oz											1.0000	0.37	0.37	0.37
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Lannate LV 3.2	pint											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Prep	pint											0.3300	6.15	2.02	2.02
Def or Folex	pint											0.7500	5.21	3.90	3.90
Dropp	lb											0.1000	56.00	5.60	5.60
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Prep	pint											2.0000	6.15	12.30	12.30
Def or Folex	pint											0.7500	5.21	3.90	3.90
Cotton picker-4r,1st	12.67'		0.294	1.00	Oct			20.50	26.12	1.008	6.55				53.18
Module builder	32'	180	0.220	1.00	Oct	3.98	3.44	1.02	2.99	0.264	1.71				13.16
Boll Buggy	4 bale	160	0.220	1.00	Oct	3.29	2.69	0.95	2.77	0.264	1.71				11.43
<b>TOTALS</b>						<b>24.17</b>	<b>20.25</b>	<b>36.11</b>	<b>53.50</b>	<b>4.628</b>	<b>30.08</b>			<b>292.59</b>	<b>456.72</b>
INTEREST ON OPERATING CAPITAL															12.71
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															469.43

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.**

Production Practice	Cost per acre*	Budget No.
Bud worm/boll worm control		
Lannate (1 gal./ 4 acres)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

\* 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, Charles Allen, Don Johnson and Gary Huitink in the construction of the 2000 cotton budgets. For additional information on cotton economics contact Kelly Bryant at the Southeast Research and Extension Center 870-460-1091.



## Estimating 2000 Costs of Production

**Cotton, Ultra Narrow Row, Non-Irrigated, Roundup Ready System, Mixed Soils, Central Boll Weevil Eradication Zone, 2000**

Ag-577-12-99

Kelly J. Bryant, Area Extension Specialist - Farm Management

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton Seed/RR	lb	1.78	40.0000	71.42	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	3.50	1.0000	3.50	_____
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	0.07	200.0000	14.60	_____
N (actual)	unit	0.21	70.0000	15.19	_____
GROWTH REGULATORS					
Pix Plus	oz	0.80	26.0000	20.80	_____
HARVEST AIDS					
Def or Folex	pint	5.21	1.0000	5.21	_____
Prep	pint	6.15	2.0000	12.30	_____
HERBICIDES					
Prowl 4EC	pint	2.94	1.8000	5.29	_____
Roundup Ultra	pint	4.37	3.0000	13.12	_____
Staple	ounce	20.00	1.0000	20.00	_____
Gramoxone Extra	pint	3.95	1.6000	6.32	_____
Surfactant SL(80-20)	pint	1.20	0.2000	0.24	_____
INSECTICIDES					
Orthene 90S	lb	8.55	0.2200	1.88	_____
Bidrin 8EC	oz	0.70	3.2000	2.24	_____
Vydate C-LV	pint	7.55	0.5000	3.77	_____
Pyrethroid	acre	6.32	1.0000	6.32	_____
TECHNOLOGY FEE					
Eradication Fee CZ	acre	7.50	2.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.50	1.8704	12.15	_____
Self-Propelled Eq.	hour	6.50	0.6857	4.45	_____
DIESEL FUEL					
Tractors	gal	0.70	15.2180	10.65	_____
Self-Propelled Eq.	gal	0.70	2.7738	1.94	_____
REPAIR & MAINTENANCE					
Implements	acre	5.58	1.0000	5.58	_____
Tractors	acre	12.08	1.0000	12.08	_____
Self-Propelled Eq.	acre	3.93	1.0000	3.93	_____
INTEREST ON OP. CAP.	acre	11.99	1.0000	11.99	_____
TOTAL DIRECT EXPENSES				295.53	_____
FIXED EXPENSES					
Implements	acre	13.36	1.0000	13.36	_____
Tractors	acre	18.99	1.0000	18.99	_____
Self-Propelled Eq.	acre	6.97	1.0000	6.97	_____
TOTAL FIXED EXPENSES				39.32	_____
TOTAL SPECIFIED EXPENSES				334.85	_____

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, Ultra Narrow Row, Non-Irrigated, Roundup Ready System, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000**

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'	145	0.137	1.00	Oct	1.88	1.51	0.50	0.50	0.164	1.06				5.47
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.28	0.44	1.11	0.098	0.63				4.96
Subsoiler, 9 shank	15'	200	0.216	1.00	Mar	4.33	3.66	0.45	1.17	0.259	1.68				11.31
Field cultivator	25.5'	180	0.054	1.00	Mar	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	3.50	3.50	3.50
0-15-30	lb											200.0000	0.07	14.60	14.60
Field cultivator	25.5'	180	0.054	1.00	Apr	0.97	0.84	0.20	0.47	0.064	0.42				2.92
Prowl 4EC	pint											1.8000	2.94	5.29	5.29
Water tank	1000 gal	170	0.131	0.06	Apr	0.07	0.05	0.00	0.01	0.009	0.06				0.20
Eradication Fee CZ	acre			1.00	May							1.0000	7.50	7.50	7.50
Grain drill	20'	145	0.118	1.00	May	1.62	1.30	0.82	1.85	0.271	1.76				7.37
Cotton Seed/RR	lb											40.0000	1.78	71.42	71.42
Sprayer, broadcast	47'	145	0.054	1.00	May	0.74	0.59	0.18	0.37	0.081	0.52				2.42
Roundup Ultra	pint											1.5000	4.37	6.56	6.56
Water tank	1000 gal	170	0.131	0.05	May	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Sprayer, broadcast	47'	145	0.054	1.00	May	0.74	0.59	0.18	0.37	0.081	0.52				2.42
Orthene 90S	lb											0.2200	8.55	1.88	1.88
Roundup Ultra	pint											1.5000	4.37	6.56	6.56
Sprayer, broadcast	47'	145	0.054	1.00	May	0.74	0.59	0.18	0.37	0.081	0.52				2.42
Bidrin 8EC	oz											3.2000	0.70	2.24	2.24
Water tank	1000 gal	170	0.131	0.05	May	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Fertilizer spreader	32'	180	0.052	1.00	May	0.94	0.81	0.22	0.44	0.062	0.40				2.82
N (actual)	unit											70.0000	0.21	15.19	15.19
Sprayer, broadcast	47'	145	0.054	1.00	Jun	0.74	0.59	0.18	0.37	0.081	0.52				2.42
Staple	ounce											1.0000	20.00	20.00	20.00
Water tank	1000 gal	170	0.131	0.05	Jun	0.06	0.04	0.00	0.00	0.007	0.05				0.17
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Vydate C-LV	pint											0.5000	7.55	3.77	3.77
Pix Plus	oz											10.0000	0.80	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	6.32	6.32	6.32
Pix Plus	oz											16.0000	0.80	12.80	12.80
Eradication Fee CZ	acre			1.00	Jul							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											1.0000	5.21	5.21	5.21
Prep	pint											2.0000	6.15	12.30	12.30
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Gramoxone Extra	pint											1.6000	3.95	6.32	6.32
Surfactant SL(80-20)	pint											0.2000	1.20	0.24	0.24
Cotton Stripper	12.67'		0.200	1.00	Sep			5.88	6.97	0.685	4.45				17.30

**Table 2. Estimated resource use and costs for field operations, per acre, Cotton, Ultra Narrow Row, Non-Irrigated, Roundup Ready System, Mixed Soils, Central Boll Weevil Eradication Zone, AR 2000 (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-----		
Module builder	32'	180	0.220	1.00	Sep	3.98	3.44	1.02	2.99	0.264	1.71			13.16
Boll Buggy	4 bale	160	0.220	1.00	Sep	3.29	2.69	0.95	2.77	0.264	1.71			11.43
<b>TOTALS</b>						<b>22.73</b>	<b>18.99</b>	<b>11.46</b>	<b>20.33</b>	<b>2.556</b>	<b>16.61</b>		<b>232.72</b>	<b>322.86</b>
INTEREST ON OPERATING CAPITAL														11.99
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														334.85

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.

**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)	\$11.56	AG 564-66, 568, 572-74, 576
Larvin (1 gal./ 3.5 acres)	\$15.37	AG 563
Tracer (1 gal./ 64 acres)	\$12.30	AG 563-66, 568, 571-74, 576
Tracer (1/2 rate) + Pyretheroid	\$12.47	AG 563-66, 568, 571-74, 576
Defoliation for once over harvest	\$36.72	AG 564,66,68,72,74,76,79
Defoliation for standard harvest (50% scrap)	\$34.35	AG 565,67,69,70,73,75,81
Foliar Nitrogen, 23%	\$0.50/gal.+App.	None
Flail Shredder, 20'	\$7.11	AG 566, 69, 70, 74
Gaucho seed treatment	\$0.97/lb. of seed	AG 565, 73, 79,82
Harvest 2 row harvester, first pick	\$60.22	None
2 row harvester, second pick	\$43.36	None
4 row harvester, first pick	\$53.18	All
4 row harvester, second pick	\$40.18	AG 565,67,69,70,73,75,81
5 row harvester, (38" rows), first pick	\$48.59	None
5 row harvester, (38" rows), second pick	\$36.71	None
Irrigation, furrow	\$3.21/ac inch	Most
Irrigation, center pivot	\$11.02/ac inch	AG 565, 73, 80
Module Builder	\$11.72	All
Row cultivate plus directed spray	\$4.65 + material	All
Scouting, once a week	\$3.50	None
Staple herbicide banded application (0.6 oz)	\$12.00	Most
Treflan, Triple K application (1.25 pints)	\$9.94	AG 579, 582
Treflan, Incorporator application (0.75 pints)	\$6.41	Most

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

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