

Estimating 2002 Costs of Production
Cotton, Non-Irrigated, Loamy Soils,
Southeast Boll Weevil Eradication Zone, 2002

AG-671-12-01

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	1.04	10.0000	10.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	1.0000	4.50	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	80.0000	20.00	_____
HARVEST AIDS					
Def or Folex	pint	5.25	0.4000	2.10	_____
Dropp	lb	48.00	0.0700	3.36	_____
Ethephon	pint	6.38	0.3300	2.10	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	10.0000	9.70	_____
Orthene 90S	lb	9.08	0.8300	7.53	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3980	2.54	_____
Tractors	hour	6.39	1.8496	11.81	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
DIESEL FUEL					
Tractors	gal	1.00	16.7127	16.71	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
REPAIR & MAINTENANCE					
Implements	acre	6.35	1.0000	6.35	_____
Tractors	acre	11.87	1.0000	11.87	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
INTEREST ON OP. CAP.	acre	8.78	1.0000	8.78	_____
TOTAL DIRECT EXPENSES				300.11	_____
FIXED EXPENSES					
Implements	acre	13.72	1.0000	13.72	_____
Tractors	acre	27.18	1.0000	27.18	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
TOTAL FIXED EXPENSES				75.76	_____
TOTAL SPECIFIED EXPENSES				375.88	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, Non-Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Subsoiler, 9 shank	15'	mfwd 225	0.216	1.00	Mar	4.75	4.59	0.45	1.04	0.280	1.79					12.64
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00		4.00
P205	unit											46.0000	0.23	10.85		10.85
K20	unit											60.0000	0.12	7.74		7.74
Boron	unit											1.0000	3.30	3.30		3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Apr	1.02	1.02	0.20	0.43	0.070	0.44					3.13
Incorprovator + spry	25.5'	mfwd 190	0.063	1.00	Apr	1.19	1.19	0.25	0.54	0.100	0.64					3.84
Prowl 4EC	pint											1.2000	2.50	3.00		3.00
Water tank	1000 gal	mfwd 190	0.131	0.06	Apr	0.14	0.14	0.00	0.01	0.010	0.06					0.38
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58					3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58					3.78
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50		17.50
Bed conditioner	26.67'	mfwd 190	0.052	1.00	May	0.98	0.98	0.18	0.39	0.067	0.43					2.98
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02					7.41
Cotton seed	lb											10.0000	1.04	10.40		10.40
Cotoran 4L	pint											1.0000	4.50	4.50		4.50
Gaucho	lb											10.0000	0.97	9.70		9.70
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00		4.00
N (actual)	unit											80.0000	0.25	20.00		20.00
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84					4.47
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84					4.47
Staple	ounce											0.3000	21.00	6.30		6.30
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04					4.95
Caparol 4L	pint											0.7500	3.88	2.91		2.91
MSMA 6#	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04					4.95
Direx 80DF	lb											0.3300	4.43	1.46		1.46
MSMA 6#	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25		3.25
Orthene 90S	lb											0.3300	9.08	2.99		2.99
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00		8.00
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50		17.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00		4.00
Pyrethroid	acre											1.0000	7.50	7.50		7.50
Orthene 90S	lb											0.5000	9.08	4.54		4.54
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00		4.00
Tracer 4L	ounce											2.0000	5.78	11.56		11.56
Cstm ap air 3 gal	acre			1.00	Aug							1.0000	3.25	3.25		3.25
Tracer 4L	ounce											2.0000	5.78	11.56		11.56

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Non-Irrigated, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant	acre		1.00		Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.4000	5.25	2.10	2.10
Dropp	lb											0.0700	48.00	3.36	3.36
Ethephon	pint											0.3300	6.38	2.10	2.10
Cotton picker-1st-BB	4R40"325hp		0.165	1.00	Sep			18.09	24.58	0.330	2.10				44.78
Module builder	32'	2wd 170	0.220	1.00	Sep	3.55	3.30	1.02	2.79	0.242	1.54				12.22
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Sep	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.56	10.28	0.138	0.88				18.72
Module builder	32'	2wd 170	0.220	0.10	Oct	0.35	0.33	0.10	0.27	0.024	0.15				1.22
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
Stalk cutter	15'	2wd 150	0.137	1.00	Nov	1.96	1.83	0.50	0.46	0.178	1.13				5.90
TOTALS						28.58	27.18	32.01	48.58	2.715	17.35			213.37	367.09
INTEREST ON OPERATING CAPITAL															8.78
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															375.88

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

Estimating 2002 Costs of Production
Cotton, Furrow Irrigation, Loamy Soils,
Southeast Boll Weevil Eradication Zone, 2002 – AG672-12-01
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Tony E. Windham, Extension Economist – Management

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	1.04	10.0000	10.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	100.0000	25.00	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.2500	6.56	_____
Dropp	lb	48.00	0.1000	4.80	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Orthene 90S	lb	9.08	0.5000	4.54	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.4971	3.17	_____
Tractors	hour	6.39	1.7622	11.26	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	15.7130	15.71	_____
Self-Propelled Eq.	gal	1.00	2.7604	2.76	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.57	1.0000	6.57	_____
Tractors	acre	11.37	1.0000	11.37	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	9.41	1.0000	9.41	_____
TOTAL DIRECT EXPENSES				377.85	_____
FIXED EXPENSES					
Implements	acre	13.52	1.0000	13.52	_____
Tractors	acre	26.04	1.0000	26.04	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				80.47	_____
TOTAL SPECIFIED EXPENSES				458.33	_____

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Incorprovator + spry	25.5'	mfwd 190	0.063	1.00	May	1.19	1.19	0.25	0.54	0.100	0.64				3.84
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.95	1.61	0.240	1.53				7.89
Cotton seed	lb											10.0000	1.04	10.40	10.40
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granu	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Caparol 4L	pint											0.7500	3.88	2.91	2.91
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.64	16.33	0.075	0.47	3.0000			20.45

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Furrow-Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00	
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25	
Pyrethroid	acre											1.0000	7.50	7.50	7.50	
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20	
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50	
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12	
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00	
Pyrethroid	acre											1.0000	7.50	7.50	7.50	
Orthene 90S	lb											0.5000	9.08	4.54	4.54	
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44	
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12	
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000			4.12	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											0.3300	6.38	2.10	2.10	
Def or Folex	pint											0.5000	5.25	2.62	2.62	
Dropp	lb											0.1000	48.00	4.80	4.80	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											2.0000	6.38	12.76	12.76	
Def or Folex	pint											0.7500	5.25	3.93	3.93	
Cotton picker-1st-BB	4R40"325hp			0.165	1.00	Oct			18.09	24.58	0.330	2.10			44.78	
Module builder	32'	mfwd 190		0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54			13.72	
Boll Buggy	4 Bale	2wd 170		0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82			12.23	
TOTALS							27.08	26.04	39.24	54.43	2.889	18.46			283.65	448.92
INTEREST ON OPERATING CAPITAL																9.41
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																458.33

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Estimating 2002 Costs of Production
Cotton, Center Pivot Irrigation, 130 Acres Loamy Soils, Southeast Boll Weevil
Eradication Zone, 2002 – AG-673-12-01
Kelly J. Bryant, Area Extension Specialist - Farm Management
Tony E. Windham, Extension Economist – Management

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	1.04	10.0000	10.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	100.0000	25.00	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Gaucho	lb	0.97	10.0000	9.70	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.5020	3.20	_____
Tractors	hour	6.39	1.8135	11.58	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Center pivot non-tow	hour	6.39	0.0560	0.35	_____
DIESEL FUEL					
Tractors	gal	1.00	16.1872	16.18	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
Center pivot non-tow	gal	1.00	14.0000	14.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.77	1.0000	6.77	_____
Tractors	acre	11.71	1.0000	11.71	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Center pivot non-tow	acre	6.04	1.0000	6.04	_____
INTEREST ON OP. CAP.	acre	9.39	1.0000	9.39	_____
TOTAL DIRECT EXPENSES				384.57	_____
FIXED EXPENSES					
Implements	acre	14.06	1.0000	14.06	_____
Tractors	acre	26.80	1.0000	26.80	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Center pivot non-tow	acre	51.03	1.0000	51.03	_____
TOTAL FIXED EXPENSES				126.76	_____
TOTAL SPECIFIED EXPENSES				511.33	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, Center Pivot Irrigation, 130 Acres Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
Cstm ap grd fert dry acre				1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Incorproator + spry	25.5'	mfwd 190	0.063	1.00	May	1.19	1.19	0.25	0.54	0.100	0.64				3.84
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Plntr hbox + granule	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.95	1.61	0.240	1.53				7.89
Cotton seed	lb											10.0000	1.04	10.40	10.40
Gaucho	lb											10.0000	0.97	9.70	9.70
Terraclor SE granu	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq acre				1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Staple	ounce											0.3000	21.00	6.30	6.30
Water tank	1000 gal	170	0.131	0.06	Jun	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Center pivot non-tow ac in				1.00	Jun				2.86	51.03	0.008	0.05			53.94
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Caparol 4L	pint											0.7500	3.88	2.91	2.91
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Center pivot non-tow ac in				1.00	Jun				2.86	0.008	0.05	1.0000			2.91
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Direx 80DF	lb											0.3300	4.43	1.46	1.46
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Center Pivot Irrigation, 130 Acres Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Center pivot non-tow	ac in			1.00	Jul			2.86		0.008	0.05	1.0000			2.91
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
Center pivot non-tow	ac in			1.00	Aug			2.86		0.008	0.05	1.0000			2.91
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp			0.165	1.00	Oct			18.09	24.58	0.330	2.10			44.78
Module builder	32'	mfwd 190		0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54			13.72
Boll Buggy	4 Bale	2wd 170		0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82			12.23
Cotton picker-2nd-Tr	4R40"325hp			0.138	0.50	Oct			7.56	10.28	0.138	0.88			18.72
Module builder	32'	mfwd 190		0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15			1.37
Boll Buggy	4 Bale	2wd 170		0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18			1.22
TOTALS							27.89	26.80	52.47	99.95	2.839	18.14		276.66	501.94
INTEREST ON OPERATING CAPITAL															9.39
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															511.33

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**Estimating 2002 Costs of Production
 Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil
 Eradication Zone, 2002 - AG-674-12-01**

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed	lb	1.04	10.0000	10.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
N (actual)	unit	0.25	100.0000	25.00	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
HERBICIDES					
2,4-D Amine	pint	1.50	1.0000	1.50	_____
Caparol 4L	pint	3.88	1.2500	4.85	_____
Gramoxone Extra	pint	3.50	1.0000	3.50	_____
Glyphosate 4LB	pint	4.44	0.1250	0.55	_____
Treflan 4EC	pint	3.00	0.7500	2.25	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.3000	6.30	_____
MSMA 6#	pint	2.25	2.6600	5.98	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Ammo	ounce	1.88	1.0000	1.88	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3640	2.32	_____
Tractors	hour	6.39	1.4767	9.43	_____
Self-Propelled Eq.	hour	6.39	0.3728	2.38	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	13.2331	13.23	_____
Self-Propelled Eq.	gal	1.00	2.8554	2.85	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	5.02	1.0000	5.02	_____
Tractors	acre	9.51	1.0000	9.51	_____
Self-Propelled Eq.	acre	15.70	1.0000	15.70	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	9.58	1.0000	9.58	_____
TOTAL DIRECT EXPENSES				379.42	_____
FIXED EXPENSES					
Implements	acre	11.38	1.0000	11.38	_____
Tractors	acre	21.77	1.0000	21.77	_____
Self-Propelled Eq.	acre	25.44	1.0000	25.44	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				74.93	_____
TOTAL SPECIFIED EXPENSES				454.36	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Flail shredder	20'	mfwd 190	0.143	1.00	Oct	2.72	2.70	0.52	0.94	0.185	1.18					8.09
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00		4.00
P205	unit											46.0000	0.23	10.85		10.85
K20	unit											60.0000	0.12	7.74		7.74
Ripr hipr 8r@38"	25'	mfwd 190	0.078	1.00	Oct	1.48	1.47	0.29	0.58	0.101	0.64					4.48
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Oct	1.33	1.32	0.17	0.36	0.091	0.58					3.78
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50		4.50
2,4-D Amine	pint											1.0000	1.50	1.50		1.50
Hiclr sprayer,320gal	60'		0.027	1.00	Mar			0.42	0.78	0.038	0.24					1.45
Caparol 4L	pint											0.5000	3.88	1.94		1.94
Gramoxone Extra	pint											1.0000	3.50	3.50		3.50
Water tank	1000 gal	170	0.131	0.06	Mar	0.09	0.05	0.00	0.01	0.010	0.06					0.23
Hiclr sprayer,320gal	60'		0.027	0.10	Apr			0.04	0.07	0.003	0.02					0.14
Glyphosate 4LB	pint											0.1250	4.44	0.55		0.55
Water tank	1000 gal	170	0.131	0.01	Apr	0.01	0.00	0.00	0.00	0.001	0.01					0.03
Incorprovator + spry	25.5'	mfwd 190	0.063	1.00	Apr	1.19	1.19	0.25	0.54	0.100	0.64					3.84
Treflan 4EC	pint											0.7500	3.00	2.25		2.25
Water tank	1000 gal	170	0.131	0.05	Apr	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02					7.41
Cotton seed	lb											10.0000	1.04	10.40		10.40
Temik 15G	lb											3.0000	3.60	10.80		10.80
Terraclor SE granul	lb											7.0000	2.12	14.84		14.84
Cotoran 4L	pint											1.0000	4.50	4.50		4.50
Ammo	ounce											1.0000	1.88	1.88		1.88
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06					0.23
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50		17.50
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84					4.47
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00		4.00
N (actual)	unit											50.0000	0.25	12.50		12.50
Sprayer, dir 8r@38"	25.33'	2wd 150	0.100	1.00	Jun	1.43	1.33	0.12	0.26	0.160	1.02					4.18
Staple	ounce											0.3000	21.00	6.30		6.30
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Sprayer, dir 8r@38"	25.33'	2wd 150	0.100	1.00	Jun	1.43	1.33	0.12	0.26	0.160	1.02					4.18
Caparol 4L	pint											0.7500	3.88	2.91		2.91
MSMA 6#	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05					0.19
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04					4.95
Direx 80DF	lb											0.3300	4.43	1.46		1.46
MSMA 6#	pint											1.3300	2.25	2.99		2.99
Water tank	1000 gal	170	0.131	0.06	Jun	0.09	0.05	0.00	0.01	0.010	0.06					0.23
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25		3.25
Bidrin 8EC	pint											0.3300	10.00	3.30		3.30
Mepiquat Chloride	ounce											4.0000	0.62	2.48		2.48
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Furrow irrigation	ac in			1.00	Jun			3.64	16.33	0.075	0.47	3.0000				20.45
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00		4.00
N (actual)	unit											50.0000	0.25	12.50		12.50

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Stale Seedbed, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000			4.12
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Tracer 4L	ounce											2.0000	5.78	11.56	11.56
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											0.3300	6.38	2.10	2.10
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Cotton picker-1st-BB	4R40"325hp			0.165	1.00	Oct			18.09	24.58	0.330	2.10			44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54				13.72
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82				12.23
TOTALS						22.74	21.77	38.16	53.15	2.513	16.06			292.86	444.77
INTEREST ON OPERATING CAPITAL															9.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.36

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**Estimating 2002 Costs of Production
 Cotton, BT/RR, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil
 Eradication Zone, 2002 - AG-675-12-01
 Kelly J. Bryant, Area Extension Specialist - Farm Management
 Tony E. Windham, Extension Economist – Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton Seed (BGRR)	lb	1.27	10.0000	12.70	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	2.0000	8.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	100.0000	25.00	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Glyphosate 4LB	pint	4.44	4.5000	19.98	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
Tech Fee (BGRR)	lb	3.28	10.0000	32.80	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3638	2.32	_____
Tractors	hour	6.39	1.6120	10.30	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	15.0494	15.04	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	5.77	1.0000	5.77	_____
Tractors	acre	10.87	1.0000	10.87	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	10.45	1.0000	10.45	_____
TOTAL DIRECT EXPENSES				397.50	_____
FIXED EXPENSES					
Implements	acre	13.03	1.0000	13.03	_____
Tractors	acre	24.89	1.0000	24.89	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				89.12	_____
TOTAL SPECIFIED EXPENSES				486.63	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Disk, medium cut	26.41'	mfwd 190	0.082	1.00	Oct	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Sprayer, broadcast	60'	2wd 150	0.043	1.00	Mar	0.61	0.57	0.18	0.35	0.068	0.43				2.16
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02				7.41
Cotton Seed (BGRR)	lb											10.0000	1.27	12.70	12.70
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Tech Fee (BGRR)	lb											10.0000	3.28	32.80	32.80
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Sprayer, broadcast	47'	2wd 190	0.054	1.00	Jun	0.97	0.90	0.18	0.35	0.086	0.55				2.96
Staple	ounce											0.6000	21.00	12.60	12.60
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Sprayer, dir 8r@38"	25.33'	2wd 190	0.100	1.00	Jun	1.80	1.66	0.12	0.26	0.160	1.02				4.88
Caparol 4L	pint											0.7500	3.88	2.91	2.91
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert dry	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.80	1.66	0.42	0.92	0.160	1.02				5.83
Direx 80DF	lb											0.3300	4.43	1.46	1.46
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.64	16.33	0.075	0.47	3.0000			20.45

Table 2. Estimated resource use and costs for field operations, per acre Cotton, Bt/RR, Furrow Irrigation, Mixed Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44
Furrow irrigation	ac in			1.00	Jul				3.64	0.075	0.47	3.0000			4.12
Furrow irrigation	ac in			1.00	Aug				3.64	0.075	0.47	3.0000			4.12
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Ethephon	pint											2.0000	6.38	12.76	12.76
Def or Folex	pint											0.6600	5.25	3.46	3.46
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-1st-BB	4R40"325hp		0.165						18.09	24.58	0.330	2.10			44.78
Module builder	32'	mfwd 190	0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54				13.72
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct				7.56	10.28	0.138	0.88			18.72
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15				1.37
TOTALS						25.92	24.89	46.01	64.23	2.743	17.53			297.58	476.18
INTEREST ON OPERATING CAPITAL															10.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															486.63

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**Estimating 2002 Costs of Production
 Cotton, BXN System, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil
 Eradication Zone, 2002 - AG-676-12-01
 Kelly J. Bryant, Area Extension Specialist - Farm Management
 Tony E. Windham, Extension Economist – Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton Seed BXN	lb	1.60	10.0000	16.00	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	2.0000	8.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	3.0000	12.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	60.0000	7.74	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	100.0000	25.00	_____
FUNGICIDE & SEED TR.					
Terraclor SE granul	lb	2.12	7.0000	14.84	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Ethephon	pint	6.38	2.3300	14.86	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
HERBICIDES					
Prowl 4EC	pint	2.50	1.2000	3.00	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Buctril 4EC	pint	14.25	2.0000	28.50	_____
Assure II	ounce	0.92	8.0000	7.36	_____
Caparol 4L	pint	3.88	0.5000	1.94	_____
MSMA 6#	pint	2.25	1.3300	2.99	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Bidrin 8EC	pint	10.00	0.3300	3.30	_____
Pyrethroid	acre	7.50	2.0000	15.00	_____
Larvin 3.2	ounce	0.44	10.0000	4.40	_____
Tracer 4L	ounce	5.78	4.0000	23.12	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3982	2.54	_____
Tractors	hour	6.39	1.6665	10.64	_____
Self-Propelled Eq.	hour	6.39	0.3300	2.10	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	14.7893	14.78	_____
Self-Propelled Eq.	gal	1.00	2.7604	2.76	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	6.01	1.0000	6.01	_____
Tractors	acre	10.66	1.0000	10.66	_____
Self-Propelled Eq.	acre	15.33	1.0000	15.33	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	10.43	1.0000	10.43	_____
TOTAL DIRECT EXPENSES				404.56	_____
FIXED EXPENSES					
Implements	acre	12.70	1.0000	12.70	_____
Tractors	acre	24.41	1.0000	24.41	_____
Self-Propelled Eq.	acre	24.58	1.0000	24.58	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				78.03	_____
TOTAL SPECIFIED EXPENSES				482.60	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, BXN System, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Stalk cutter	15'	2wd 150	0.137	1.00	Oct	1.96	1.83	0.50	0.46	0.178	1.13				5.90
Chisel plow	21'	mfwd 190	0.092	1.00	Oct	1.75	1.74	0.17	0.33	0.119	0.76				4.76
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											60.0000	0.12	7.74	7.74
Boron	unit											1.0000	3.30	3.30	3.30
Field cultivator	25.5'	mfwd 190	0.054	1.00	Nov	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Nov	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Disk bedder, 8r@38"	25.33'	mfwd 190	0.070	1.00	Apr	1.33	1.32	0.17	0.36	0.091	0.58				3.78
Bed conditioner	26.67'	mfwd 190	0.052	1.00	Apr	0.98	0.98	0.18	0.39	0.067	0.43				2.98
Eradication Fee SEZ	Acre			1.00	Apr							1.0000	17.50	17.50	17.50
Incorprovator + spry	25.5'	mfwd 190	0.063	1.00	May	1.19	1.19	0.25	0.54	0.100	0.64				3.84
Prowl 4EC	pint											1.2000	2.50	3.00	3.00
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Plant+spr dir 8r@38"	25.33'	mfwd 190	0.100	1.00	May	1.90	1.89	0.80	1.78	0.160	1.02				7.41
Cotton Seed BXN	lb											10.0000	1.60	16.00	16.00
Temik 15G	lb											3.0000	3.60	10.80	10.80
Terraclor SE granul	lb											7.0000	2.12	14.84	14.84
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.05	May	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Row cult 8r@38"	25.33'	2wd 150	0.102	1.00	May	1.46	1.36	0.29	0.50	0.132	0.84				4.47
Row cult + BC spray	26.67'	2wd 150	0.097	1.00	Jun	1.39	1.29	0.42	0.71	0.155	0.99				4.82
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Assure II	ounce											8.0000	0.92	7.36	7.36
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.00	4.00	4.00
N (actual)	unit											50.0000	0.25	12.50	12.50
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Buctril 4EC	pint											1.0000	14.25	14.25	14.25
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Bidrin 8EC	pint											0.3300	10.00	3.30	3.30
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Row cult + sprdir38"	25.33'	2wd 150	0.102	1.00	Jun	1.46	1.36	0.40	0.68	0.163	1.04				4.95
Caparol 4L	pint											0.5000	3.88	1.94	1.94
MSMA 6#	pint											1.3300	2.25	2.99	2.99
Water tank	1000 gal	170	0.131	0.05	Jun	0.08	0.04	0.00	0.00	0.008	0.05				0.19
Furrow irrigation	ac in			1.00	Jun							3.0000			20.45
Flex irrigation tube	acre											1.0000	5.75	5.75	5.75

Table 2. Estimated resource use and costs for field operations, per acre Cotton, BXN System, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00	
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25	
Pyrethroid	acre											1.0000	7.50	7.50	7.50	
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20	
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50	
Furrow irrigation	ac in			1.00	Jul							3.0000			4.12	
Cstm ap air 5 gal	acre			1.00	Jul							1.0000	4.00	4.00	4.00	
Pyrethroid	acre											1.0000	7.50	7.50	7.50	
Larvin 3.2	ounce											10.0000	0.44	4.40	4.40	
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44	
Furrow irrigation	ac in			1.00	Jul							3.0000			4.12	
Furrow irrigation	ac in			1.00	Aug							3.64			4.12	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00	
Tracer 4L	ounce											2.0000	5.78	11.56	11.56	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											0.3300	6.38	2.10	2.10	
Def or Folex	pint											0.5000	5.25	2.62	2.62	
Dropp	lb											0.1000	48.00	4.80	4.80	
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Ethephon	pint											2.0000	6.38	12.76	12.76	
Def or Folex	pint											0.6600	5.25	3.46	3.46	
Cotton picker-1st-BB	4R40"325hp			0.165	1.00	Oct									44.78	
Module builder	32'	mfwd 190		0.220	1.00	Oct	4.18	4.16	1.02	2.79	0.242	1.54			13.72	
Boll Buggy	4 Bale	2wd 170		0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82			12.23	
TOTALS							25.45	24.41	38.68	53.61	2.694	17.21			312.77	472.17
INTEREST ON OPERATING CAPITAL																10.43
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																482.60

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**Estimating 2002 Costs of Production
 Cotton, No-Till, Bt, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil
 Eradication Zone, 2002 - AG-677-12-01
 Kelly J. Bryant, Area Extension Specialist - Farm Management
 Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton seed (Bt)	lb	1.17	10.0000	11.70	_____
CUSTOM WORK					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	90.0000	11.61	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Ridomil PC 11G	lb	1.67	7.0000	11.69	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Def or Folex	pint	5.25	1.1600	6.09	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
Clarity	pint	10.50	0.5000	5.25	_____
Glyphosate 4LB	pint	4.44	1.5000	6.66	_____
Gramoxone Extra	pint	3.50	6.5000	22.75	_____
Surfactant SL(80-20)	pint	1.10	0.8250	0.90	_____
Staple	ounce	21.00	0.7000	14.70	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Dual Magnum	pint	11.50	0.5000	5.75	_____
Direx 80DF	lb	4.43	2.7500	12.18	_____
Caparol 4L	pint	3.88	1.0000	3.88	_____
MSMA 6#	pint	2.25	2.6800	6.03	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Baythroid	ounce	3.01	0.2000	0.60	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Tech Fee (BG)	LB	2.59	10.0000	25.90	_____
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3040	1.94	_____
Tractors	hour	6.39	1.1891	7.59	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	10.0288	10.02	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	4.96	1.0000	4.96	_____
Tractors	acre	6.84	1.0000	6.84	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	12.04	1.0000	12.04	_____
TOTAL DIRECT EXPENSES				418.72	_____
FIXED EXPENSES					
Implements	acre	11.79	1.0000	11.79	_____
Tractors	acre	15.66	1.0000	15.66	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				78.64	_____
TOTAL SPECIFIED EXPENSES				497.37	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-Till, Bt, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST		
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST			
						-----dollars-----				dollars		-----dollars-----					
Flail shredder	20'	2wd 190	0.143	1.00	Nov	2.57	2.38	0.52	0.94	0.185	1.18					7.62	
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50		4.50	
Clarity	pint											0.5000	10.50	5.25		5.25	
Glyphosate 4LB	pint											1.5000	4.44	6.66		6.66	
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	4.00	4.00		4.00	
P205	unit											46.0000	0.23	10.85		10.85	
K20	unit											90.0000	0.12	11.61		11.61	
Boron	unit											1.0000	3.30	3.30		3.30	
Sprayer, broadcast	47'	2wd 105	0.054	1.00	Mar	0.54	0.50	0.18	0.35	0.086	0.55					2.13	
Gramoxone Extra	pint											2.0000	3.50	7.00		7.00	
Surfactant SL(80-20)	pint											0.2000	1.10	0.22		0.22	
Plant+spr dir 8r@38"	25.33'	2wd 190	0.100	1.00	May	1.80	1.66	0.80	1.78	0.160	1.02					7.08	
Cotton seed (Bt)	lb											10.0000	1.17	11.70		11.70	
Tech Fee (BG)	LB											10.0000	2.59	25.90		25.90	
Temik 15G	lb											3.0000	3.60	10.80		10.80	
Ridomil PC 11G	lb											7.0000	1.67	11.69		11.69	
Baythroid	ounce											0.2000	3.01	0.60		0.60	
Staple	ounce			1.00	May							0.1500	21.00	3.15		3.15	
Cotoran 4L	pint											1.0000	4.50	4.50		4.50	
Dual Magnum	pint											0.5000	11.50	5.75		5.75	
Gramoxone Extra	pint											1.0000	3.50	3.50		3.50	
Surfactant SL(80-20)	pint											0.1250	1.10	0.13		0.13	
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50		17.50	
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00		4.00	
N (actual)	unit											90.0000	0.25	22.50		22.50	
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	May	1.80	1.66	0.42	0.92	0.160	1.02					5.83	
Staple	ounce											0.5500	21.00	11.55		11.55	
Direx 80DF	lb											1.0000	4.43	4.43		4.43	
Gramoxone Extra	pint											1.4000	3.50	4.90		4.90	
Surfactant SL(80-20)	pint											0.2500	1.10	0.27		0.27	
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.80	1.66	0.42	0.92	0.160	1.02					5.83	
Caparol 4L	pint											0.5000	3.88	1.94		1.94	
MSMA 6#	pint											1.3400	2.25	3.01		3.01	
Caparol 4L	pint											0.5000	3.88	1.94		1.94	
Gramoxone Extra	pint											1.0500	3.50	3.67		3.67	
Mepiquat Chloride	ounce											4.0000	0.62	2.48		2.48	
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25		3.25	
Orthene 90S	lb											0.3300	9.08	2.99		2.99	
Furrow irrigation	ac in			1.00	Jun				3.64	16.33	0.075	0.47	3.0000				20.45
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75	
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.80	1.66	0.42	0.92	0.160	1.02					5.83	
Direx 80DF	lb											0.7500	4.43	3.32		3.32	
MSMA 6#	pint											1.3400	2.25	3.01		3.01	
Direx 80DF	lb											1.0000	4.43	4.43		4.43	
Gramoxone Extra	pint											1.0500	3.50	3.67		3.67	
Surfactant SL(80-20)	pint											0.2500	1.10	0.27		0.27	

Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-Till, Bt, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000			4.12
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Def or Folex	pint											0.5000	5.25	2.62	2.62
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.6600	5.25	3.46	3.46
Ethephon	pint											2.0000	6.38	12.76	12.76
Module builder	32'	2wd 105	0.220	1.00	Oct	2.20	2.05	1.02	2.79	0.242	1.54				9.63
Cotton picker-1st-BB	4R40"325hp		0.165												44.78
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct				7.56	0.138	0.88				18.72
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15				1.37
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
TOTALS						16.87	15.66	45.19	62.98	2.261	14.44			330.16	485.33
INTEREST ON OPERATING CAPITAL															12.04
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															497.37

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**Estimating 2002 Costs of Production
 Cotton, No-Till, Bt/RR, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil
 Eradication Zone, 2002 - AG-678-12-01
 Kelly J. Bryant, Area Extension Specialist - Farm Management
 Tony E. Windham, Extension Economist - Management**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Cotton Seed (BGRR)	lb	1.27	10.0000	12.70	_____
CUSTOM WORK					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Cstm ap air 3 gal	acre	3.25	2.0000	6.50	_____
Cotton insect scout	acre	8.00	1.0000	8.00	_____
Cstm ap air 5 gal	acre	4.00	1.0000	4.00	_____
Cstm ap air defolant	acre	4.50	2.0000	9.00	_____
FERTILIZER & LIME					
P205	unit	0.23	46.0000	10.85	_____
K20	unit	0.12	90.0000	11.61	_____
Boron	unit	3.30	1.0000	3.30	_____
N (actual)	unit	0.25	90.0000	22.50	_____
FUNGICIDE & SEED TR.					
Ridomil PC 11G	lb	1.67	7.0000	11.69	_____
GROWTH REGULATORS					
Mepiquat Chloride	ounce	0.62	26.0000	16.12	_____
HARVEST AIDS					
Def or Folex	pint	5.25	1.1600	6.09	_____
Finish 6LB	Pint	10.33	0.2500	2.58	_____
Dropp	lb	48.00	0.1000	4.80	_____
Ethephon	pint	6.38	2.0000	12.76	_____
HERBICIDES					
2-4D Salvo	pt	1.57	1.5000	2.35	_____
Glyphosate 4LB	pint	4.44	4.5000	19.98	_____
Cotoran 4L	pint	4.50	1.0000	4.50	_____
Staple	ounce	21.00	0.6000	12.60	_____
Caparol 4L	pint	3.88	0.7500	2.91	_____
Direx 80DF	lb	4.43	0.3300	1.46	_____
INSECTICIDES					
Temik 15G	lb	3.60	3.0000	10.80	_____
Baythroid	ounce	3.01	0.2000	0.60	_____
Orthene 90S	lb	9.08	0.3300	2.99	_____
Pyrethroid	acre	7.50	1.0000	7.50	_____
Bidrin 8EC	pint	10.00	0.5000	5.00	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
TECHNOLOGY FEE					
Tech Fee (BGRR)	lb	3.28	10.0000	32.80	_____
Eradication Fee SEZ	Acre	17.50	2.0000	35.00	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3030	1.93	_____
Tractors	hour	6.39	1.1922	7.61	_____
Self-Propelled Eq.	hour	6.39	0.4680	2.99	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.00	10.0530	10.05	_____
Self-Propelled Eq.	gal	1.00	3.9148	3.91	_____
Furrow irrigation	gal	1.00	12.0000	12.00	_____
REPAIR & MAINTENANCE					
Implements	acre	4.41	1.0000	4.41	_____
Tractors	acre	6.82	1.0000	6.82	_____
Self-Propelled Eq.	acre	21.74	1.0000	21.74	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	11.32	1.0000	11.32	_____
TOTAL DIRECT EXPENSES				386.58	_____
FIXED EXPENSES					
Implements	acre	10.57	1.0000	10.57	_____
Tractors	acre	15.62	1.0000	15.62	_____
Self-Propelled Eq.	acre	34.86	1.0000	34.86	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				77.40	_____
TOTAL SPECIFIED EXPENSES				463.98	_____

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Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-Till, Bt/RR, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Flail shredder	20'	2wd 190	0.143	1.00	Nov	2.57	2.38	0.52	0.94	0.185	1.18				7.62
Cstm ap air herbicid	acre			1.00	Feb							1.0000	4.50	4.50	4.50
2-4D Salvo	pt											1.5000	1.57	2.35	2.35
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	4.00	4.00	4.00
P205	unit											46.0000	0.23	10.85	10.85
K20	unit											90.0000	0.12	11.61	11.61
Boron	unit											1.0000	3.30	3.30	3.30
Sprayer, broadcast	47'	2wd 105	0.054	1.00	Mar	0.54	0.50	0.18	0.35	0.086	0.55				2.13
Glyphosate 4LB	pint											1.5000	4.44	6.66	6.66
Plant+spr dir 8r@38"	25.33'	2wd 190	0.100	1.00	May	1.80	1.66	0.80	1.78	0.160	1.02				7.08
Cotton Seed (BGRR)	lb											10.0000	1.27	12.70	12.70
Tech Fee (BGRR)	lb											10.0000	3.28	32.80	32.80
Temik 15G	lb											3.0000	3.60	10.80	10.80
Ridomil PC 11G	lb											7.0000	1.67	11.69	11.69
Baythroid	ounce											0.2000	3.01	0.60	0.60
Cotoran 4L	pint											1.0000	4.50	4.50	4.50
Water tank	1000 gal	170	0.131	0.06	May	0.09	0.05	0.00	0.01	0.010	0.06				0.23
Eradication Fee SEZ	Acre			1.00	May							1.0000	17.50	17.50	17.50
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00	4.00
N (actual)	unit											90.0000	0.25	22.50	22.50
Sprayer, broadcast	26.67'	2wd 190	0.095	1.00	May	1.71	1.58	0.16	0.36	0.152	0.97				4.79
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Staple	ounce											0.6000	21.00	12.60	12.60
Sprayer, dir 8r@38"	25.33'	2wd 190	0.100	1.00	May	1.80	1.66	0.12	0.26	0.160	1.02				4.88
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Caparol 4L	pint											0.7500	3.88	2.91	2.91
Cstm ap air 3 gal	acre			1.00	Jun							1.0000	3.25	3.25	3.25
Orthene 90S	lb											0.3300	9.08	2.99	2.99
Mepiquat Chloride	ounce											4.0000	0.62	2.48	2.48
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.64	16.33	0.075	0.47	3.0000			20.45
Sprayer, Hooded	25.5'	2wd 190	0.100	1.00	Jun	1.80	1.66	0.42	0.92	0.160	1.02				5.83
Glyphosate 4LB	pint											1.0000	4.44	4.44	4.44
Direx 80DF	lb											0.3300	4.43	1.46	1.46
Eradication Fee SEZ	Acre			1.00	Jul							1.0000	17.50	17.50	17.50
Cotton insect scout	acre			1.00	Jul							1.0000	8.00	8.00	8.00
Cstm ap air 3 gal	acre			1.00	Jul							1.0000	3.25	3.25	3.25
Pyrethroid	acre											1.0000	7.50	7.50	7.50
Mepiquat Chloride	ounce											10.0000	0.62	6.20	6.20
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Furrow irrigation	ac in			1.00	Jul			3.64		0.075	0.47	3.0000			4.12
Cstm ap air 5 gal	acre			1.00	Aug							1.0000	4.00	4.00	4.00
Bidrin 8EC	pint											0.5000	10.00	5.00	5.00
Mepiquat Chloride	ounce											12.0000	0.62	7.44	7.44
Furrow irrigation	ac in			1.00	Aug			3.64		0.075	0.47	3.0000			4.12

Table 2. Estimated resource use and costs for field operations, per acre Cotton, No-Till, Bt/RR, Furrow Irrigation, Loamy Soils, Southeast Boll Weevil Eradication Zone, 2002, (continued).

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.5000	5.25	2.62	2.62
Finish 6LB	Pint											0.2500	10.33	2.58	2.58
Dropp	lb											0.1000	48.00	4.80	4.80
Cstm ap air defolant	acre			1.00	Sep							1.0000	4.50	4.50	4.50
Def or Folex	pint											0.6600	5.25	3.46	3.46
Ethephon	pint											2.0000	6.38	12.76	12.76
Module builder	32'	2wd 105	0.220	1.00	Oct	2.20	2.05	1.02	2.79	0.242	1.54				9.63
Cotton picker-1st-BB	4R40"325hp		0.165					18.09	24.58	0.330	2.10				44.78
Boll Buggy	4 Bale	2wd 170	0.220	1.00	Oct	3.55	3.30	0.95	2.59	0.286	1.82				12.23
Cotton picker-2nd-Tr	4R40"325hp		0.138	0.50	Oct			7.56	10.28	0.138	0.88				18.72
Module builder	32'	mfwd 190	0.220	0.10	Oct	0.41	0.41	0.10	0.27	0.024	0.15				1.37
Boll Buggy	4 Bale	2wd 170	0.220	0.10	Oct	0.35	0.33	0.09	0.25	0.028	0.18				1.22
TOTALS						16.88	15.62	44.64	61.77	2.263	14.46			299.26	452.65
INTEREST ON OPERATING CAPITAL															11.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															463.98

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)	\$12.22	None
Larvin (1 gal./ 3.5 acres)	\$16.10	None
Tracer (1 gal./ 64 acres)	\$11.56	Most
Tracer (1/2 rate) + Pyretheroid	\$13.28	None
Defoliation for Irrigated Cotton	\$35.21	Most
Defoliation for Dryland Cotton	\$12.06	AG 671,679,686,691
Foliar Nitrogen, 23%	\$0.61/gal.+App.	None
Flail Shredder, 20'	\$8.09	AG 674,677,678,682
Gaucho seed treatment	\$0.97/lb. of seed	AG 671,673,679,681,686-688,690-692,695
Harvest 2 row harvester, first pick	\$57.33	None
2 row harvester, second pick	\$43.78	None
4 row harvester, first pick	\$44.78	Most
4 row harvester, second pick	\$37.45	AG 671,673,675,677-679, 681,683,686,688,691,693
6 row harvester, (38" rows), first pick	\$39.47	AG 689,694
6 row harvester, (38" rows), second pick	\$30.77	AG 689,694
Irrigation, furrow (3 ac. in)	\$4.12	Most
Irrigation, center pivot (1 ac. in)	\$2.91	AG 673,681,688,689,693,694
Module Builder	\$13.72	All
Row cultivate plus directed spray	\$4.95 + material	All
Staple herbicide banded application (0.3 oz)	\$6.30	Most
Prowl, and Incorporate (1.2 pints)	\$6.84	Most
Treflan, Incorporator application (0.75 pints)	\$5.75	AG 674,682
Treflan and Incorporate (1.5 pints)	\$8.34	None

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

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