

AGRICULTURAL EXTENSION SERVICE



THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

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AE 04-30

# Cotton Budgets

  

## For 2004

Agricultural Economics

Agricultural Extension Service

University of Tennessee

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

The University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating in furtherance of Acts of May 8 and June 30, 1914.

Agricultural Extension Service, Charles L. Norman, Dean

**COTTON - CONVENTIONAL TILLAGE, 675 POUND YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	675.00	0.65	438.75	_____
<b>VARIABLE EXPENSES</b>						
SEED (2)	3.5 SEEDS/FOOT	THOUS	48.145	0.30	14.44	_____
FUNGICIDE (3)	TSX 18.8G	LB.	6.00	2.11	12.66	_____
INSECTICIDE(4)						
SEED TREATMENT		ACRE	1.00	10.50	10.50	_____
IN-SEASON INSECTICIDES (5)		ACRE	1.00	55.00	55.00	_____
BUD/BOLLWORM SPRAY						
SECONDARY PEST SPRAY						
WEEVIL ERADICATION						
FERTILIZER	N (AN)	LB.	80.00	0.33	26.40	_____
	P2O5	LB.	60.00	0.28	16.80	_____
	K2O	LB.	90.00	0.13	11.70	_____
BORON		LB.	0.50	3.65	1.83	_____
LIME		TON	0.50	19.00	9.50	_____
HERBICIDE						
PRE-EMERGE(6)	TREFLAN E.C.	PT.	1.50	3.40	5.10	_____
	COTORAN 4L (BAND)	PT.	1.50	4.95	7.43	_____
POST-EMERGE	STAPLE(7)	OZ.	0.51	19.10	9.65	_____
	SURFACTANT	QT.	0.08	3.50	0.29	_____
	DIURON +	LB.	0.375	4.00	1.50	_____
	MSMA 6 (Directed)	PT.	2.00	2.20	4.40	_____
	SURFACTANT	QT.	0.20	3.50	0.70	_____
GROWTH REGULATOR	MEPEX (Mepiquat Chloride)	PT.	1.50	8.53	12.80	_____
SCOUTING		ACRE	1.00	7.00	7.00	_____
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.38	4.56	_____
BOLL OPENER	PREP	OZ.	24.00	0.45	10.80	_____
MACHINERY REPAIR		ACRE	1.00	46.71	46.71	_____
MACHINERY FUEL		ACRE	1.00	22.78	22.78	_____
OPERATING CAPITAL	6 MONTHS	ACRE	292.55	8.00%	11.70	_____
					TOTAL VARIABLE EXPENSES	304.25
					RETURN ABOVE VARIABLE EXPENSES	134.50
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	58.67	58.67	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	30.86	30.86	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	44.97
<b>LABOR EXPENSES</b>						
LABOR		HR.	2.38	8.00	19.00	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	25.97

--- PLEASE NOTE: THIS BUDGET DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS. ---

**FOOTNOTES**

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) SEED COST VARIES PER VARIETY AND SEED SIZE
- (3) RATES UP TO 10 LBS/ACRE MAY BE NEEDED WHERE DISEASES ARE EXPECTED.
- (4) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS
- (5) IN-SEASON PER ACRE COST INCLUDES CHEMICAL EXPENSES FOR BOLLWORM AND SECONDARY SPRAY, PLUS WEEVIL ERADICATION FEE (WEF).
- (6) COTORAN AT RATE OF .8 POUNDS PER ACRE, APPLIED IN 16-INCH BANDS. TREFLAN BROADCAST AND INCORPORATED WITH THE SOIL.
- (7) ONE APPLICATION OF STAPLE (1.2 OZ.) + SURFACTANT IN 16-INCH BANDS (DIRECTED).

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
 SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT  
 CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST



**COTTON, BiRR - CONVENTIONAL TILLAGE, 675 POUND YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (I2/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	675.00	0.65	438.75	
<b>VARIABLE EXPENSES</b>						
SEED (2)	3.5 SEEDS/FOOT	THOUS	48.145	0.30	14.44	
TECH FEE (3)	BiRR	ACRE	1.00	35.00	35.00	
FUNGICIDE	TSX 18.8G	LB.	6.00	2.11	12.66	
INSECTICIDE(4)						
SEED TREATMENT		ACRE	1.00	10.50	10.50	
IN-SEASON INSECTICIDES (5):		ACRE	1.00	44.00	44.00	
SECONDARY SPRAY						
WEEVIL ERADICATION						
FERTILIZER	N (AN)	LB.	80.00	0.33	26.40	
	P2O5	LB.	60.00	0.28	16.80	
	K2O	LB.	90.00	0.13	11.70	
BORON		LB.	0.50	3.65	1.83	
LIME		TON	0.50	19.00	9.50	
HERBICIDE						
OVER THE TOP	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	
POST DIRECT	ROUNDUP ULTRA MAX	PT.	1.20	5.94	7.13	
POST-EMERGE	DIURON + (DIRECTED)	LB.	0.38	4.00	1.50	
	MSMA 6	PT.	2.00	2.20	4.40	
	SURFACTANT	QT.	0.20	3.50	0.70	
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	8.53	12.80	
SCOUTING		ACRE	1.00	7.00	7.00	
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.38	4.56	
BOLL OPENER	PREP	OZ.	24.00	0.45	10.80	
MACHINERY REPAIR		ACRE	1.00	46.85	46.85	
MACHINERY FUEL		ACRE	1.00	23.53	23.53	
OPERATING CAPITAL	6 MONTHS	ACRE	311.60	8.00%	12.47	
	TOTAL VARIABLE EXPENSES				324.07	
	RETURN ABOVE VARIABLE EXPENSES				114.69	
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	58.34	58.34	
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	30.72	30.72	
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				25.62	
<b>LABOR EXPENSES</b>						
LABOR		HR.	2.45	8.00	19.61	
	RETURN TO LAND, MANAGEMENT, AND RISK				6.01	

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**FOOTNOTES**

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS
- (2) SEED COST VARIES PER VARIETY AND SEED SIZE
- (3) TECH FEES MAY VARY AND WILL HAVE A CAP PER ACRE
- (4) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS
- (5) IN-SEASON PER ACRE COST INCLUDES CHEMICAL EXPENSES FOR BOLLWORM AND SECONDARY SPRAY, PLUS WEEVIL ERADICATION FEE (WEF).

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
SAMUEL C. DANENOWER, AREA SPECIALIST, FARM MANAGEMENT  
CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST

**COTTON - NO TILLAGE, 675 POUND YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	675.00	0.65	438.75	
<b>VARIABLE EXPENSES</b>						
SEED (2)	3.5 SEEDS/FOOT	THOUS	48.145	0.30	14.44	
FUNGICIDE	TSX 18.8G	LB.	6.00	2.11	12.66	
INSECTICIDE(3)						
SEED TREATMENT		ACRE	1.00	10.50	10.50	
IN-SEASON INSECTICIDES (4):		ACRE	1.00	55.00	55.00	
BUD/BOLL WORM SPRAY						
SECONDARY SPRAY						
WEEVIL ERADICATION						
FERTILIZER	N (AN)	LB.	80.00	0.33	26.40	
	P2O5	LB.	60.00	0.28	16.80	
	K2O	LB.	90.00	0.13	11.70	
BORON		LB.	0.50	3.65	1.83	
LIME		TON	0.50	19.00	9.50	
HERBICIDE						
BURNDOWN	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	
PRE-EMERGE(5)	GRAMOXONE MAX	PT.	0.83	4.62	3.83	
	SURFACTANT	QT.	0.20	3.50	0.70	
	PROWL	QT.	1.50	5.38	8.07	
	COTORAN 4L	PT.	1.50	4.95	7.43	
POST-EMERGE	STAPLE(6)	OZ.	0.51	19.10	9.65	
	SURFACTANT	QT.	0.08	3.50	0.29	
	DJURON + (DIRECTED)	PT.	0.38	4.00	1.50	
	MSMA 6	PT.	2.00	2.20	4.40	
	SURFACTANT	QT.	0.20	3.50	0.70	
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	8.53	12.80	
SCOUTING		ACRE	1.00	7.00	7.00	
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.38	4.56	
BOLL OPENER	PREP	OZ.	24.00	0.45	10.80	
MACHINERY REPAIR		ACRE	1.00	39.14	39.14	
MACHINERY FUEL		ACRE	1.00	16.95	16.95	
OPERATING CAPITAL	6 MONTHS	ACRE	296.15	8.00%	11.85	
					<b>308.00</b>	
					<b>130.76</b>	
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	49.59	49.59	
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	25.26	25.26	
					<b>55.90</b>	
<b>LABOR EXPENSES</b>						
LABOR		HR	1.76	8.00	14.11	
					<b>41.79</b>	

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- (3) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS
- (4) IN-SEASON PER ACRE COST INCLUDES CHEMICAL EXPENSES FOR BOLLWORM AND SECONDARY SPRAY, PLUS WEEVIL ERADICATION FEE (WEF)
- (5) COTORAN AT A RATE OF .8 POUNDS PER ACRE, APPLIED IN 16-INCH BANDS.
- (6) ONE APPLICATION OF STAPLE (1.2OZ) + SURFACTANT IN 16-INCH BANDS (DIRECTED)

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**COTTON, BtRR - NO TILLAGE, 675 POUND YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

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<b>VARIABLE EXPENSES</b>						
SEED (2)	3.5 SEEDS/FOOT	THOUS	48.145	0.30	14.44	
TECH FEE (3)	BtRR	ACRE	1.00	35.00	35.00	
FUNGICIDE	TSX 18.8G	LB.	6.00	2.11	12.66	
INSECTICIDE(4)						
SEED TREATMENT		ACRE	1.00	10.50	10.50	
IN-SEASON INSECTICIDES (5):		ACRE	1.00	44.00	44.00	
SECONDARY SPRAY						
WEEVIL ERADICATION						
FERTILIZER	N (AN)	LB.	80.00	0.33	26.40	
	P2O5	LB.	60.00	0.28	16.80	
	K2O	LB.	90.00	0.13	11.70	
BORON		LB.	0.50	3.65	1.83	
LIME		TON	0.50	19.00	9.50	
HERBICIDE						
BURNDOWN	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	
OVER THE TOP	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	
POST DIRECT	ROUNDUP ULTRA MAX	PT.	1.20	5.94	7.13	
POST-EMERGE						
	DIURON + (DIRECTED)	PT.	0.38	4.00	1.50	
	MSMA 6	PT.	2.00	2.20	4.40	
	SURFACTANT	QT.	0.20	3.50	0.70	
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	8.53	12.80	
SCOUTING		ACRE	1.00	7.00	7.00	
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.38	4.56	
BOLL OPENER	PREP	OZ.	24.00	0.45	10.80	
MACHINERY REPAIR		ACRE	1.00	39.28	39.28	
MACHINERY FUEL		ACRE	1.00	17.69	17.69	
OPERATING CAPITAL	6 MONTHS	ACRE	307.69	8.00%	12.31	
					TOTAL VARIABLE EXPENSES	320.00
					RETURN ABOVE VARIABLE EXPENSES	118.75
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	49.27	49.27	
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	25.12	25.12	
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	44.36
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.84	8.00	14.72	
					RETURN TO LAND, MANAGEMENT, AND RISK	29.64

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