

**CORN - CONVENTIONAL TILLAGE, 120 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	120.00	2.15	258.00	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	95.00	28.50	_____
FERTILIZER	N (UREA)	LB.	125.00	0.45	56.25	_____
	P2O5	LB.	50.00	0.34	17.00	_____
	K2O	LB.	50.00	0.23	11.50	_____
LIME	AG LIMESTONE	TON	0.60	21.00	12.60	_____
WEED CONTROL(3)	BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.73	_____
MACHINERY REPAIR		AC.	1.00	18.10	18.10	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	15.73	15.73	_____
OPERATING CAPITAL	6 MONTHS	AC.	180.11	8.00%	7.20	_____
				TOTAL VARIABLE EXPENSES	187.31	_____
				RETURN ABOVE VARIABLE EXPENSES	70.69	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	30.95	30.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	14.01	14.01	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	25.73	_____
LABOR EXPENSES						
LABOR		HR.	0.97	8.50	8.25	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	17.48	_____

--- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) AN IN-FURROW INSECTICIDE OR INSECTICIDE SEED TREATMENT IS NOT INCLUDED.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 21,600 PLANTS PER ACRE.

(3) IF JOHNSONGRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS. .37 POUNDS ACTIVE INGREDIENTS OF ATRAZINE COULD BE ADDED ON NON- HIGHLY ERODIBLE SOILS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**CORN - CONVENTIONAL TILLAGE, 150 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	150.00	2.15	322.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	95.00	30.88	_____
FERTILIZER	N (UREA)	LB.	170.00	0.45	76.50	_____
	P2O5	LB.	70.00	0.34	23.80	_____
	K2O	LB.	70.00	0.23	16.10	_____
LIME	AG LIMESTONE	TON	0.75	21.00	15.75	_____
WEED CONTROL(3) BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.73	20.43	_____
MACHINERY REPAIR		AC.	1.00	18.10	18.10	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	15.73	15.73	_____
OPERATING CAPITAL	6 MONTHS	AC.	217.29	8.00%	8.69	_____
					TOTAL VARIABLE EXPENSES	225.98
					RETURN ABOVE VARIABLE EXPENSES	96.52
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	30.95	30.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	14.01	14.01	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	51.56
LABOR EXPENSES						
LABOR		HR.	0.97	8.50	8.25	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	43.31

-- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS.--

FOOTNOTES

(1) AN IN-FURROW INSECTICIDE OR INSECTICIDE SEED TREATMENT IS NOT INCLUDED.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 24,000 PLANTS PER ACRE.

(3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS. COULD ADD .37 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON-HIGHLY ERODIBLE SOILS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**CORN - NO TILLAGE, 120 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	120.00	2.15	258.00	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	95.00	28.50	_____
FERTILIZER	N (UREA)	LB.	125.00	0.45	56.25	_____
	P2O5	LB.	50.00	0.34	17.00	_____
	K2O	LB.	50.00	0.23	11.50	_____
LIME	AG LIMESTONE	TON	0.60	21.00	12.60	_____
WEED CONTROL(3) BURNDOWN						
	GRAMOXONE MAX	PT.	1.25	4.62	5.78	_____
	SURFACTANT (80% ACT.)	PT.	0.20	1.75	0.35	_____
PRE-EMERGE						
	BICEP II MAGNUM	QT.	2.10	9.73	20.43	_____
	ATRAZINE 4L	OZ.	11.84	0.08	0.95	_____
MACHINERY REPAIR		AC.	1.00	14.26	14.26	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	10.24	10.24	_____
OPERATING CAPITAL	6 MONTHS	AC.	177.86	8.00%	7.11	_____
					TOTAL VARIABLE EXPENSES	184.97
					RETURN ABOVE VARIABLE EXPENSES	73.03
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	26.50	26.50	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.04	11.04	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	35.49
LABOR EXPENSES						
LABOR		HR.	0.69	8.50	5.83	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	29.66

--- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) AN IN-FURROW INSECTICIDE OR INSECTICIED SEED TREATMENT IS NOT INCLUDED.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 21,600 PLANTS PER ACRE.

(3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**CORN - NO TILLAGE, 150 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	150.00	2.15	322.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	95.00	30.88	_____
FERTILIZER	N (UREA)	LB.	170.00	0.45	76.50	_____
	P2O5	LB.	70.00	0.34	23.80	_____
	K2O	LB.	70.00	0.23	16.10	_____
LIME	AG LIMESTONE	TON	0.75	21.00	15.75	_____
WEED CONTROL(3) BURNDOWN	GRAMOXONE MAX	PT.	1.25	4.62	5.78	_____
	SURFACTANT (80% ACT.)	PT.	0.20	1.75	0.35	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.10	9.73	20.43	_____
	ATRAZINE 4L	OZ.	11.84	0.08	0.95	_____
MACHINERY REPAIR		AC.	1.00	14.26	14.26	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	10.24	10.24	_____
OPERATING CAPITAL	6 MONTHS	AC.	215.04	8.00%	8.60	_____
TOTAL VARIABLE EXPENSES					223.64	_____
RETURN ABOVE VARIABLE EXPENSES					98.86	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	26.50	26.50	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.04	11.04	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					61.32	_____
LABOR EXPENSES						
LABOR		HR.	0.69	8.50	5.83	_____
RETURN TO LAND, MANAGEMENT, AND RISK					55.49	_____

-- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. --

FOOTNOTES

(1) AN IN-FURROW INSECTICIDE OR INSECTICIDE SEED TREATMENT IS NOT INCLUDED.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 24,000 PLANTS PER ACRE.

(3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**COTTON, ROUNDUP READY - CONVENTIONAL TILLAGE, 725 POUND YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16-ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)(2)	LINT	LB.	725.00	0.55	398.75	_____
VARIABLE EXPENSES						
SEED(3)	3.5 SEEDS/FOOT	THOUS	48.145	0.44	21.18	_____
TECH FEE (4)	ROUNDUP READY	ACRE	1.00	20.00	20.00	_____
FUNGICIDE	SEED TREATMENT	ACRE	1.00	7.50	7.50	_____
INSECTICIDE(5) SEED TREATMENT		ACRE	1.00	8.50	8.50	_____
IN-SEASON INSECTICIDES(6): BUD/BOLLWORM SPRAY SECONDARY SPRAY WEEVIL ERADICATION		ACRE	1.00	40.00	40.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.48	38.40	_____
	P2O5	LB.	60.00	0.34	20.40	_____
	K2O	LB.	90.00	0.23	20.70	_____
BORON		LB.	0.50	3.85	1.93	_____
LIME		TON	0.50	21.00	10.50	_____
HERBICIDE OVER THE TOP	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
POST DIRECT	ROUNDUP WEATHERMAX	PT.	1.20	4.99	5.99	_____
POST-EMERGE	DIURON (DIRECTED)	LB.	0.38	4.00	1.50	_____
	MSMA 6	PT.	2.00	2.20	4.40	_____
	SURFACTANT	QT.	0.20	2.75	0.55	_____
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	4.15	6.23	_____
SCOUTING		ACRE	1.00	7.00	7.00	_____
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.34	4.08	_____
BOLL OPENER	PREP	OZ.	24.00	0.25	6.00	_____
MACHINERY REPAIR		ACRE	1.00	37.75	37.75	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	ACRE	1.00	35.14	35.14	_____
OPERATING CAPITAL	6 MONTHS	ACRE	305.73	8.00%	12.23	_____
				TOTAL VARIABLE EXPENSES	317.96	_____
				RETURN ABOVE VARIABLE EXPENSES	80.79	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	46.94	46.94	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	26.18	26.18	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	7.66	_____
LABOR EXPENSES						
LABOR		HR.	1.82	8.50	15.48	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	-7.82	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) A SECOND HARVEST MAY ADD AS MUCH AS \$25/ACRE TO VARIABLE EXPENSES.
- (3) SEED COST VARIES PER VARIETY AND SEED SIZE.
- (4) TECH FEES, MAY VARY AND WILL HAVE A CAP PER ACRE.
- (5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (6) 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. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT

CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**COTTON, BGRR - CONVENTIONAL TILLAGE, 725 POUND YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)(2)	LINT	LB.	725.00	0.55	398.75	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEED/FOOT	THOUS	48.145	0.46	22.15	_____
TECH FEE (4)	BGRR	ACRE	1.00	32.00	32.00	_____
FUNGICIDE	SEED TREATMENT	ACRE	1.00	7.50	7.50	_____
INSECTICIDE(5) SEED TREATMENT		ACRE	1.00	8.50	8.50	_____
IN-SEASON INSECTICIDES(6) SECONDARY SPRAY WEEVIL ERADICATION		ACRE	1.00	34.00	34.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.48	38.40	_____
	P2O5	LB.	60.00	0.34	20.40	_____
	K2O	LB.	90.00	0.23	20.70	_____
BORON		LB.	0.50	3.85	1.93	_____
LIME		TON	0.50	21.00	10.50	_____
HERBICIDE OVER THE TOP	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
POST DIRECT	ROUNDUP WEATHERMX	PT.	1.20	4.99	5.99	_____
POST-EMERGE	DIURON + (DIRECTED)	LB.	0.38	4.00	1.50	_____
	MSMA 6	PT.	2.00	2.20	4.40	_____
	SURFACTANT	QT.	0.20	2.75	0.55	_____
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	4.15	6.23	_____
SCOUTING		ACRE	1.00	7.00	7.00	_____
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.34	4.08	_____
BOLL OPENER	PREP	OZ.	24.00	0.25	6.00	_____
MACHINERY REPAIR		ACRE	1.00	37.24	37.24	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	ACRE	1.00	34.92	34.92	_____
OPERATING CAPITAL	6 MONTHS	ACRE	311.97	8.00%	12.48	_____
TOTAL VARIABLE EXPENSES					324.45	_____
RETURN ABOVE VARIABLE EXPENSES					74.30	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	46.10	46.10	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	25.67	25.67	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					2.53	_____
LABOR EXPENSES						
LABOR		HR.	1.81	8.50	15.37	_____
RETURN TO LAND, MANAGEMENT, AND RISK					-12.84	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS ---

FOOTNOTES

(1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.

(2) A SECOND HARVEST MAY ADD AS MUCH AS \$25/ACRE TO VARIABLE EXPENSES.

- (3) SEED COST VARIES PER VARIETY AND SEED SIZE
- (4) TECH FEES, MAY VARY AND WILL HAVE A CAP PER ACRE.
- (5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (6) 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. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT

CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**COTTON, ROUNDUP READY - NO TILLAGE, 725 POUND YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)(2)	LINT	LB.	725.00	0.55	398.75	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	0.44	21.18	_____
TECH FEE (4)	ROUNDUP READY	ACRE	1.00	20.00	20.00	_____
FUNGICIDE	SEED TREATMENT	ACRE	1.00	7.50	7.50	_____
INSECTICIDE(5) SEED TREATMENT		ACRE	1.00	8.50	8.50	_____
IN-SEASON INSECTICIDES(6) BUD/BOLL WORM SPRAY SECONDARY SPRAY WEEVIL ERADICATION		ACRE	1.00	40.00	40.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.48	38.40	_____
	P2O5	LB.	60.00	0.34	20.40	_____
	K2O	LB.	90.00	0.23	20.70	_____
BORON		LB.	0.50	3.85	1.93	_____
LIME		TON	0.50	21.00	10.50	_____
HERBICIDE BURNDOWN	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
OVER THE TOP	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
POST DIRECT	ROUNDUP WEATHERMAX	PT.	1.20	4.99	5.99	_____
POST-EMERGE	DIURON	PT.	0.38	4.00	1.50	_____
	MSMA 6	PT.	2.00	2.20	4.40	_____
	SURFACTANT	QT.	0.20	2.75	0.55	_____
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	4.15	6.23	_____
SCOUTING		ACRE	1.00	7.00	7.00	_____
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.34	4.08	_____
BOLL OPENER	PREP	OZ.	24.00	0.25	6.00	_____
MACHINERY REPAIR		ACRE	1.00	28.78	28.78	_____
MACHINERY FUEL	DIESEL@2.10/gallon	ACRE	1.00	23.36	23.36	_____
OPERATING CAPITAL	6 MONTHS	ACRE	292.96	8.00%	11.72	_____
				TOTAL VARIABLE EXPENSES	304.68	_____
				RETURN ABOVE VARIABLE EXPENSES	94.07	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	36.22	36.22	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	19.52	19.52	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	38.33	_____
LABOR EXPENSES						
LABOR		HR.	1.21	8.50	10.28	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	28.05	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTRY CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) A SECOND HARVEST MAY ADD AS MUCH AS \$25/ACRE TO VARIABLE EXPENSES.
- (3) SEED COST VARIES PER VARIETY AND SEED SIZE
- (4) TECH FEES VARY AND WILL HAVE A CAP PER ACRE.
- (5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (6) IN-SEASON PER ACRE COST INCLUDES CHEMICAL EXPENSES FOR BOLLWORM AND SECONDARY SPRAY, PLUS WEEVIL ERADICATION FEE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT

CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**COTTON, BGRR - NO TILLAGE, 725 POUND YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)(2)	LINT	LB.	725.00	0.55	398.75	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	0.46	22.15	_____
TECH FEE (4)	BGRR	ACRE	1.00	32.00	32.00	_____
FUNGICIDE	SEED TREATMENT	ACRE	1.00	7.50	7.50	_____
INSECTICIDE(5)	SEED TREATMENT	ACRE	1.00	8.50	8.50	_____
IN-SEASON INSECTICIDES(6)	SECONDARY SPRAY WEEVIL ERADICATION	ACRE	1.00	34.00	34.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.48	38.40	_____
	P2O5	LB.	60.00	0.34	20.40	_____
	K2O	LB.	90.00	0.23	20.70	_____
BORON		LB.	0.50	3.85	1.93	_____
LIME		TON	0.50	21.00	10.50	_____
HERBICIDE						
BURNDOWN	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
OVER THE TOP	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
POST DIRECT	ROUNDUP WEATHERMAX	PT.	1.20	4.99	5.99	_____
POST-EMERGE	DIURON + (DIRECTED)	PT.	0.38	4.00	1.50	_____
	MSMA 6	PT.	2.00	2.20	4.40	_____
	SURFACTANT	QT.	0.20	2.75	0.55	_____
GROWTH REGULATOR	MEPEX(Mepiquat Chloride)	PT.	1.50	4.15	6.23	_____
SCOUTING		ACRE	1.00	7.00	7.00	_____
DEFOLIANT	DEFOLIANT	OZ.	12.00	0.34	4.08	_____
BOLL OPENER	PREP	OZ.	24.00	0.25	6.00	_____
MACHINERY REPAIR		ACRE	1.00	28.27	28.27	_____
MACHINERY FUEL		ACRE	1.00	23.14	23.14	_____
OPERATING CAPITAL	6 MONTHS	ACRE	299.20	8.00%	11.97	_____
					TOTAL VARIABLE EXPENSES	311.17
					RETURN ABOVE VARIABLE EXPENSES	87.58
MACHINERY EXPENSES						
MACHINERY DEPRECIATION	MACHINERY & EQUIP.	ACRE	1.00	35.38	35.38	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	ACRE	1.00	19.01	19.01	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	33.20
LABOR EXPENSES						
LABOR		HR.	1.20	8.50	10.17	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	23.03

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) A SECOND HARVEST MAY ADD AS MUCH AS \$25/ACRE TO VARIABLE EXPENSES.
- (3) SEED COST VARIES PER VARIETY AND SEED SIZE.
- (4) TECH FEES VARY AND WILL HAVE A CAP PER ACRE.
- (5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (6) 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. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT

CHARLES C. CRAIG, EXTENSION COTTON AND SMALL GRAIN SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**GRAIN SORGHUM - CONVENTIONAL TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
GRAIN SORGHUM (1)	GRAIN	BU.	90.00	2.05	184.50	_____
VARIABLE EXPENSES						
SEED	8 LBS	LBS	6.000	1.14	6.84	_____
FERTILIZER	N (UREA)	LB.	100.00	0.45	45.00	_____
	P2O5	LB.	50.00	0.34	17.00	_____
	K2O	LB.	50.00	0.23	11.50	_____
LIME	AG LIMESTONE	TON	0.60	21.00	12.60	_____
WEED CONTROL(2) BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.73	20.43	_____
MACHINERY REPAIR		AC.	1.00	18.10	18.10	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	15.73	15.73	_____
OPERATING CAPITAL	6 MONTHS	AC.	147.20	8.00%	5.89	_____
				TOTAL VARIABLE EXPENSES	153.09	_____
				RETURN ABOVE VARIABLE EXPENSES	31.41	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	30.95	30.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	14.01	14.01	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	-13.55	_____
LABOR EXPENSES						
LABOR		HR.	0.97	8.50	8.25	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	-21.80	_____

--- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) LATE PLANTED SORGHUM IS SUSCEPTIBLE TO SORGHUM MIDGE AND MUST BE SCOUTED FOR POSSIBLE TREATMENT.
(2) DO NOT USE BICEP II MAGNUM, DUAL II MAGNUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEP OR SCREEN. DO NOT USE LARIAT, BULLET OR LASSO PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH A SEED SAFENER CONTAINING THE ACTIVE INGREDIENT FLURAZOLE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**GRAIN SORGHUM - NO TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
GRAIN SORGHUM(1)	GRAIN	BU.	90.00	2.05	184.50	_____
VARIABLE EXPENSES						
SEED	8 LBS	LB.	6.000	1.14	6.84	_____
FERTILIZER	N (UREA)	LB.	100.00	0.45	45.00	_____
	P2O5	LB.	50.00	0.34	17.00	_____
	K2O	LB.	50.00	0.23	11.50	_____
LIME	AG LIMESTONE	TON	0.60	21.00	12.60	_____
WEED CONTROL(2) BURNDOWN						
	GRAMOXONE MAX	PT.	1.25	4.62	5.78	_____
	SURFACTANT (80% ACT.)	PT.	0.20	1.75	0.35	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.10	9.73	20.43	_____
POST-EMERGENCE	ATRAZINE 4L	OZ.	11.84	0.08	0.95	_____
	CROP OIL CONCENTRATE	PT.	2.00	0.85	1.70	_____
MACHINERY REPAIR		AC.	1.00	14.26	14.26	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	10.24	10.24	_____
OPERATING CAPITAL	6 MONTHS	AC.	146.65	8.00%	5.87	_____
					TOTAL VARIABLE EXPENSES	152.52
					RETURN ABOVE VARIABLE EXPENSES	31.98
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	26.50	26.50	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.04	11.04	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	-5.56
LABOR EXPENSES						
LABOR		HR.	0.69	8.50	5.83	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	-11.39

--- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

- (1) LATE PLANTED SORGHUM IS SUSCEPTIBLE TO SORGHUM MIDGE AND MUST BE SCOUTED FOR POSSIBLE TREATMENT.
- (2) DO NOT USE BICEP II MAGNUM, DUAL II MAGNUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEP OR SCREEN. DO NOT USE LARIAT, BULLET OR LASSO PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH A SEED SAFENER CONTAINING THE ACTIVE INGREDIENT FLURAZOLE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**SOYBEANS - ROUNDUP READY, NO TILLAGE - 20" ROWS, 40 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	40.00	5.25	210.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.026	-1.05	_____
VARIABLE EXPENSES (1) (2)						
SEED (3)	6-8 PLANTS/FT.	LB.	50.00	0.62	31.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.65	2.20	_____
FERTILIZER	P2O5	LB.	20.00	0.34	6.80	_____
	K2O	LB.	40.00	0.23	9.20	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	21.00	10.50	_____
WEED CONTROL (4)(5) BURNDOWN (6)(7)	ROUNDUP WEATHER MAX	PT.	1.60	4.99	7.98	_____
	ROUNDUP WEATHER MAX	PT.	1.60	4.99	7.98	_____
FUNGICIDE		AC.	1.00	13.00	13.00	_____
MACHINERY REPAIR		AC.	1.00	12.09	12.09	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	9.31	9.31	_____
OPERATING CAPITAL	6 MONTHS	AC.	110.06	8.00%	4.40	_____
				TOTAL VARIABLE EXPENSES	114.46	_____
				RETURN ABOVE VARIABLE EXPENSES	94.49	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	22.15	22.15	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	10.08	10.08	_____
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				62.26	_____
LABOR EXPENSES						
LABOR		HR.	0.61	8.50	5.17	_____
	RETURN TO LAND, MANAGEMENT, AND RISK				57.09	_____

-- PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. --

FOOTNOTES

- (1) SPRAYING FOR STINKBUGS MAY ADD \$2.50/ACRE PER SPRAYING PLUS APPLICATION EXPENSES TO COST.
(2) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.
(3) SEED PRICE INCLUDES TECHNOLOGY FEE.
(4) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. (FOR HEAVY INFESTATIONS, USE 1.67 PINTS OF GRAMOXONE MAX).
(5) THE ADDITION OF DICAMBA @ 8 OZ/ACRE IS NECESSARY TO MANAGE GLYPHOSATE RESISTANT HORSEWEED. THIS ADDS AN ADDITIONAL \$5.50/ACRE TO THE BURNDOWN SPRAY COST.
(6) FOR AN ALTERNATE CONTROL, USE GRAMOXONE MAX (1.25 PTS. , COST OF \$5.55 /ACRE) PLUS A SURFACTANT (\$0.48/ACRE) - SEE PB1580, "2001 WEED CONTROL MANUAL FOR TENNESSEE", PAGE 6.
(7) SEVERAL OTHER VERSIONS OF GLYPHOSPHATE. THE ACTIVE INGREDIENT IN ROUNDUP ULTAMAX ARE AVAILABLE. CHECK LABEL FOR CONCENTRATION, RATES, AND REGISTRATION ON ROUNDUP READY SOYBEANS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**WHEAT, 55 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
WHEAT(1)	GRAIN	BU.	55.00	3.25	178.75	_____
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	2.00	10.00	20.00	_____
SEED TREATMENT (2)	GAUCHO XT	BU.	2.00	6.00	12.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.48	38.40	_____
	P2O5	LB.	40.00	0.34	13.60	_____
	K2O	LB.	20.00	0.23	4.60	_____
LIME		TON	0.40	21.00	8.40	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	12.20	6.10	_____
	SURFACTANT(80%ACT)	PT.	0.10	1.75	0.18	_____
FUNGICIDE	TILT	OZ.	4.00	2.49	9.96	_____
MACHINERY REPAIR		AC.	1.00	16.84	16.84	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	15.80	15.80	_____
OPERATING CAPITAL	8 MONTHS	AC.	145.88	8.00%	7.78	_____
					TOTAL VARIABLE EXPENSES	153.66
					RETURN ABOVE VARIABLE EXPENSES	25.09
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	27.87	27.87	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	13.88	13.88	_____
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				-16.66	_____
LABOR EXPENSES						
LABOR		HR.	.95	8.50	8.03	_____
	RETURN TO LAND, MANAGEMENT, AND RISK				-24.69	_____

---PLEASE NOTE: THIS REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) IF A MARKET FOR STRAW IS AVAILABLE, ADD AN APPROPRIATE AMOUNT TO RETURN TO LAND, MANAGEMENT, AND RISK, BASED ON THE EXPECTED YIELD AND PRICE OF THE STRAW, LESS HARVEST AND MARKETING COSTS.

(2) ADDITIONAL SEED TREATMENT IS TO PROTECT AGAINST BARLEY YELLOW DWARF VIRUS

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JOHN C. CAMPBELL, AREA SPECIALIST, FARM MANAGEMENT

Delton C. Gerloff, dcgerloff@utk.edu, University of Tennessee Extension Service

**WHEAT - ROUNDUP READY SOYBEANS - NO TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE
(12/16 ROW EQUIPMENT) - 2006**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
WHEAT	GRAIN	BU.	55.00	3.25	178.75	_____
SOYBEANS	BEANS	BU.	30.00	5.25	157.50	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.026	-0.79	_____
				TOTAL REVENUE	335.46	_____
VARIABLE EXPENSES(1)						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____
SEED TREATMENT (2)	GAUCHO XT	BU.	1.50	6.00	9.00	_____
SEED (3)	SOYBEANS	LB.	50.00	0.62	31.00	_____
SEED TREATMENT	VITAVAX M	BU.	0.83	2.65	2.20	_____
FERTILIZER	N(AN)	LB.	80.00	0.48	38.40	_____
	P205	LB.	60.00	0.34	20.40	_____
	K20	LB.	60.00	0.23	13.80	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	21.00	15.75	_____
FUNGICIDE - SOYBEANS		ACRE	1.00	13.00	13.00	_____
WEED CONTROL (4) POST-EMERGE	ROUNDUP WEATHERMAX	PT.	1.60	4.99	7.98	_____
HERBICIDE - WHEAT	HARMONY EXTRA	OZ.	0.50	12.20	6.10	_____
	SURFACTANT(80%ACT)	PT.	0.10	1.75	0.18	_____
FUNGICIDE - WHEAT	TILT	OZ.	4.00	2.49	9.96	_____
MACHINERY REPAIR		AC.	1.00	27.54	27.54	_____
MACHINERY FUEL	Diesel@ 2.10/gallon	AC.	1.00	23.69	23.69	_____
OPERATING CAPITAL	8 MONTHS	AC.	234.00	8.00%	12.49	_____
				TOTAL VARIABLE EXPENSES	246.49	_____
				RETURN ABOVE VARIABLE EXPENSES	88.97	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	48.04	48.04	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	22.69	22.69	_____
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				18.25	_____
LABOR EXPENSES						
LABOR		HR.	1.48	8.50	12.56	_____
	RETURN TO LAND, MANAGEMENT, AND RISK				5.69	_____

-- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR GOVERNMENT PAYMENTS. --

FOOTNOTES

- (1) SPRAYING FOR STINK BUGS MAY ADD \$2.50/ACRE PER SPRAYING PLUS APPLICATION EXPENSES TO COST.
(2) ADDITIONAL SEED TREATMENT IS TO PROTECT AGAINST BARLEY YELLOW DWARF VIRUS
(3) SEED PRICE INCLUDES TECHNOLOGY FEE
(4) SEVERAL OTHER VERSIONS OF GLYPHOSPHATE, THE ACTIVE INGREDIENT IN ROUNDUP ULTRAMAX ARE AVAILABLE. CHECK LABEL FOR CONCENTRATION, RATES, AND REGISTRATION ON ROUNDUP READY SOYBEANS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST