

AGRICULTURAL EXTENSION SERVICE



THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

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AE 04- 29

# FIELD CROP BUDGETS FOR 2004

Agricultural Economics

Agricultural Extension Service

University of Tennessee

January 2004

**E12-4115-00-002-04**

**The Agricultural Extension Service offers its programs to all eligible persons regardless of race, color, national origin, sex, age, religion, disability or veteran status and is an Equal Opportunity**

**Employer. 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**

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	120.00	2.35	282.00	
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	82.00	24.60	
FERTILIZER	N (UREA)	LB.	125.00	0.25	31.25	
	P2O5	LB.	50.00	0.28	14.00	
	K2O	LB.	50.00	0.13	6.50	
LIME	AG LIMESTONE	TON	0.60	19.00	11.40	
WEED CONTROL(3)						
BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.72	20.41	
MACHINERY REPAIR		AC.	1.00	14.88	14.88	
MACHINERY FUEL		AC.	1.00	7.79	7.79	
OPERATING CAPITAL	6 MONTHS	AC.	130.83	8.00%	5.23	
TOTAL VARIABLE EXPENSES					136.06	
RETURN ABOVE VARIABLE EXPENSES					145.94	
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	25.26	25.26	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.44	11.44	
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					109.24	
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.97	8.00	7.76	
RETURN TO LAND, MANAGEMENT, AND RISK					101.48	

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

**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. 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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	150.00	2.35	352.50	
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	82.00	26.65	
FERTILIZER	N (UREA)	LB.	170.00	0.25	42.50	
	P2O5	LB.	70.00	0.28	19.60	
	K2O	LB.	70.00	0.13	9.10	
LIME	AG LIMESTONE	TON	0.75	19.00	14.25	
WEED CONTROL(3)						
BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.72	20.41	
MACHINERY REPAIR		AC.	1.00	14.88	14.88	
MACHINERY FUEL		AC.	1.00	7.79	7.79	
OPERATING CAPITAL	6 MONTHS	AC.	155.18	8.00%	12.41	
					TOTAL VARIABLE EXPENSES	161.39
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>191.11</b>
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	25.26	25.26	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.44	11.44	
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	<b>154.41</b>
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.97	8.00	7.76	
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	<b>146.65</b>

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

**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 23,400 PLANTS PER ACRE.
- (3) IF JOHNSONGRASS 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



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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (S)	AMOUNT (S)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	150.00	2.35	352.50	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	82.00	26.65	_____
FERTILIZER	N (UREA)	LB.	170.00	0.25	42.50	_____
	P2O5	LB.	70.00	0.28	19.60	_____
	K2O	LB.	70.00	0.13	9.10	_____
LIME	AG LIMESTONE	TON	0.75	19.00	14.25	_____
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	9.72	20.41	_____
	ATRAZINE 4L	OZ.	11.84	0.08	0.95	_____
MACHINERY REPAIR		AC.	1.00	11.60	11.60	_____
MACHINERY FUEL		AC.	1.00	5.07	5.07	_____
OPERATING CAPITAL	6 MONTHS	AC.	156.25	8.00%	6.25	_____
						_____
					TOTAL VARIABLE EXPENSES	162.50
					RETURN ABOVE VARIABLE EXPENSES	190.00
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	21.45	21.45	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.90	8.90	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	159.65
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.69	8.00	5.48	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	154.17

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

**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 23,400 PLANTS PER ACRE.
- (3) IF JOHNSONGRASS 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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM	
<b>REVENUE</b>							
GRAIN SORGHUM	GRAIN	BU.	90.00	2.25	202.50	_____	
<b>VARIABLE EXPENSES</b>							
SEED	8 LBS	LBS	8.000	1.14	9.12	_____	
FERTILIZER	N (UREA)	LB.	100.00	0.25	25.00	_____	
	P2O5	LB.	50.00	0.28	14.00	_____	
	K2O	LB.	50.00	0.13	6.50	_____	
LIME	AG LIMESTONE	TON	0.60	19.00	11.40	_____	
WEED CONTROL(1)						_____	
BICEP II MAGNUM	5.5#/GAL.	QT.	2.10	9.72	20.41	_____	
MACHINERY REPAIR		AC.	1.00	14.88	14.88	_____	
MACHINERY FUEL		AC.	1.00	7.79	7.79	_____	
OPERATING CAPITAL	6 MONTHS	AC.	109.10	8.00%	4.36	_____	
					TOTAL VARIABLE EXPENSES	113.46	_____
					RETURN ABOVE VARIABLE EXPENSES	89.04	_____
<b>MACHINERY EXPENSES</b>							
MACHINERY DEPRECIATION		AC.	1.00	25.26	25.26	_____	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.44	11.44	_____	
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	52.34	_____
<b>LABOR EXPENSES</b>							
LABOR		HR.	0.97	8.00	7.76	_____	
					RETURN TO LAND, MANAGEMENT, AND RISK	44.58	_____

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

**FOOTNOTES**

(1) DO NOT USE BICEP II MAGNUM, DUAL II MAGNUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEPT 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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
GRAIN SORGHUM	GRAIN	BU.	90.00	2.25	202.50	
<b>VARIABLE EXPENSES</b>						
SEED	8 LBS	LB.	8.000	1.14	9.12	
FERTILIZER	N (UREA)	LB.	100.00	0.25	25.00	
	P2O5	LB.	50.00	0.28	14.00	
	K2O	LB.	50.00	0.13	6.50	
LIME	AG LIMESTONE	TON	0.60	19.00	11.40	
WEED CONTROL (1) 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	9.72	20.41	
POST-EMERGE	ATRAZINE 4L	OZ.	11.84	0.08	0.95	
	CROP OIL CONCENTRATE	PT.	2.00	0.90	1.80	
MACHINERY REPAIR		AC.	1.00	11.60	11.60	
MACHINERY FUEL		AC.	1.00	5.07	5.07	
OPERATING CAPITAL	6 MONTHS	AC.	111.97	8.00%	4.48	
					TOTAL VARIABLE EXPENSES	116.45
					RETURN ABOVE VARIABLE EXPENSES	86.05
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	21.45	21.45	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.90	8.90	
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	55.70
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.69	8.00	5.48	
					RETURN TO LAND, MANAGEMENT, AND RISK	50.22

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

**FOOTNOTES**

(1) 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

**SOYBEANS - CONVENTIONAL TILLAGE - 40 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	40.00	6.50	260.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.033	-1.30	_____
<b>VARIABLE EXPENSES</b>						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.21	10.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.66	2.62	1.73	_____
FERTILIZER	P2O5	LB.	20.00	0.28	5.60	_____
	K2O	LB.	40.00	0.13	5.20	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	19.00	9.50	_____
WEED CONTROL (1)						_____
PRE-PLANT	TREFLAN 4#/GAL.	PT.	1.50	3.4	5.10	_____
POST-EMERGE	STORM	PT.	1.50	10.8	16.20	_____
	CROP OIL CONC.	PT.	1.00	0.75	0.75	_____
MACHINERY REPAIR		AC.	1.00	15.83	15.83	_____
MACHINERY FUEL		AC.	1.00	9.46	9.46	_____
OPERATING CAPITAL	6 MONTHS	AC.	79.87	8.00%	3.19	_____
					TOTAL VARIABLE EXPENSES	83.06
					RETURN ABOVE VARIABLE EXPENSES	175.64
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	25.36	25.36	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	12.97	12.97	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	137.31
<b>LABOR EXPENSES</b>						
LABOR		IIR.	1.12	8.00	8.94	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	128.37

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

**FOOTNOTES**

(1) IF JOHNSONGRASS IS A PROBLEM THEN USE FUSILADE DX, SELECT, OR ASSURE II

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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	40.00	6.50	260.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.033	-1.30	_____
<b>VARIABLE EXPENSES (4)</b>						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.21	10.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.62	2.17	_____
FERTILIZER	P2O5	LB.	20.00	0.28	5.60	_____
	K2O	LB.	40.00	0.13	5.20	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	19.00	9.50	_____
WEED CONTROL (1) (3)						_____
BURNDOWN/PRE-EMERGE (2)	GRAMOXONE MAX	PT.	1.25	4.62	5.78	_____
	PROWL +	QT.	1.00	5.38	5.38	_____
	SURFACTANT (80% ACT.)	PT.	0.20	1.75	0.35	_____
	CANOPY SP	OZ.	5.20	1.74	9.05	_____
POST-EMERGE	STORM	PT.	1.50	10.8	16.20	_____
	CROP OIL CONC.	PT.	1.00	0.75	0.75	_____
MACHINERY REPAIR		AC.	1.00	9.54	9.54	_____
MACHINERY FUEL		AC.	1.00	4.50	4.50	_____
OPERATING CAPITAL	6 MONTHS	AC.	84.52	8.00%	3.38	_____
TOTAL VARIABLE EXPENSES					87.90	_____
RETURN ABOVE VARIABLE EXPENSES					170.80	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	17.44	17.44	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	7.80	7.80	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					145.56	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.60	8.00	4.76	_____
RETURN TO LAND, MANAGEMENT, AND RISK					140.80	_____

— PLEASE NOTE THIS BUDGET DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS

**FOOTNOTES**

- (1) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT USE 1.67 PINTS OF GRAMOXONE MAX FOR HEAVY INFESTATIONS
- (2) SURFACTANT APPLIED AT A RATE OF 1 PT/100 GALLONS OF WATER NORMALLY COVERS 5 ACRES. IF PLANTED IN HEAVY SOD, USE TWO PINTS OF GRAMOXONE EXTRA IF MARESTAIL OR RHIZOME JOHNSONGRASS IS A PROBLEM USE A GLYPHOSPHATE PRODUCT
- (3) IF SELECT USED FOR RHIZOME JOHNSON GRASS ADD IN APPROPRIATE COST.
- (4) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.

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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	40.00	6.50	260.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.033	-1.30	_____
<b>VARIABLE EXPENSES (1)</b>						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.42	21.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.62	2.17	_____
TECHNOLOGY FEE		LB.	50.00	0.13	6.50	_____
FERTILIZER	P2O5	LB.	20.00	0.28	5.60	_____
	K2O	LB.	40.00	0.13	5.20	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	19.00	9.50	_____
WEED CONTROL (2)						
BURNDOWN (3) (4)	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	_____
POST-EMERGE	ROUNDUP ULTRA MAX	PT.	1.60	5.94	9.50	_____
MACHINERY REPAIR		AC.	1.00	10.00	10.00	_____
MACHINERY FUEL		AC.	1.00	4.61	4.61	_____
OPERATING CAPITAL	6 MONTHS	AC.	83.58	8.00%	3.34	_____
					TOTAL VARIABLE EXPENSES	86.92
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>171.78</b>
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	18.19	18.19	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.26	8.26	_____
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	<b>145.33</b>
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.61	8.00	4.87	_____
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	<b>140.46</b>

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

**FOOTNOTES**

- (1) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION
- (2) 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)
- (3) FOR AN ALTERNATE CONTROL, USE GRAMOXONE MAX (1.25 PTS., COST OF \$5.55/ACRE) PLUS A SURFACTANT (\$0.48/ACRE), AND PROWL (2.0 PTS., COST OF \$5.60/ACRE), DEPENDING ON WEED SPECIES -  
SEE PB1580, "2001 WEED CONTROL MANUAL FOR TENNESSEE", PAGE 6
- (4) SEVERAL OTHER VERSIONS OF GLYPHOSPHATE, THE ACTIVE INGREDIENT IN ROUNDUP ULTRA MAX 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

**WHEAT, 45 BUSHEL YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT(1)	GRAIN	BU.	45.00	3.25	146.25	
<b>VARIABLE EXPENSES</b>						
SEED	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	
SEED TREATMENT (2)	GAUCHO XT	BU.	1.50	6.00	9.00	
FERTILIZER	N (AN)	LB.	80.00	0.33	26.40	
	P2O5	LB.	40.00	0.28	11.20	
	K2O	LB.	20.00	0.13	2.60	
LIME		TON	0.40	19.00	7.60	
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	12.40	6.20	
	SURFACTANT (80% ACT.)	PT.	0.10	1.75	0.18	
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	
MACHINERY REPAIR		AC.	1.00	14.14	14.14	
MACHINERY FUEL		AC.	1.00	7.83	7.83	
OPERATING CAPITAL	8 MONTHS	AC.	110.63	8.00%	5.90	
					TOTAL VARIABLE EXPENSES	116.53
					RETURN ABOVE VARIABLE EXPENSES	29.72
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	23.18	23.18	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.57	11.57	
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	-5.03
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.95	8.00	7.56	
					RETURN TO LAND, MANAGEMENT, AND RISK	-12.59

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

**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

**WHEAT, 60 BUSHEL YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT(1)	GRAIN	BU.	60.00	3.25	195.00	_____
<b>VARIABLE EXPENSES</b>						
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	0.33	26.40	_____
	P2O5	LB.	40.00	0.28	11.20	_____
	K2O	LB.	20.00	0.13	2.60	_____
LIME		TON	0.40	19.00	7.60	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	12.40	6.20	_____
	SURFACTANT (80% ACT.)	PT.	0.10	1.75	0.18	_____
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	14.14	14.14	_____
MACHINERY FUEL		AC.	1.00	7.83	7.83	_____
OPERATING CAPITAL	8 MONTHS	AC.	118.63	8.00%	6.33	_____
TOTAL VARIABLE EXPENSES					124.96	_____
<b>RETURN ABOVE VARIABLE EXPENSES</b>					<b>70.04</b>	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	23.18	23.18	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	11.57	11.57	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					35.29	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.95	8.00	7.56	_____
RETURN TO LAND, MANAGEMENT, AND RISK					27.73	_____

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

**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**

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT	GRAIN	BU.	45.00	3.25	146.25	_____
SOYBEANS	BEANS	BU.	30.00	6.50	195.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.033	-0.98	_____
TOTAL REVENUE					340.28	_____
<b>VARIABLE EXPENSES</b>						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____
SEED TREATMENT (1)	GAUCHO XT	BU.	1.50	6.00	9.00	_____
SEED	SOYBEANS	LB.	50.00	0.21	10.50	_____
SEED TREATMENT	VITAVAX M	BU.	0.83	2.62	2.17	_____
FERTILIZER	N(AN)	LB.	80.00	0.33	26.40	_____
	P205	LB.	60.00	0.28	16.80	_____
	K20	LB.	60.00	0.13	7.80	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	19.00	14.25	_____
WEED CONTROL(2)						_____
PRE-PLANT						_____
	GRAMOXONE MAX	PT.	1.25	4.62	5.78	_____
	PROWL +	QT.	1.00	5.38	5.38	_____
	SURFACTANT (80% ACT.) (3)	PT.	0.20	1.75	0.35	_____
POST-EMERGE	STORM	PT.	1.50	10.80	16.20	_____
	CROP OIL CONC.	PT.	1.00	0.75	0.75	_____
HERBICIDE - WHEAT	HARMONY EXTRA	OZ.	0.50	12.40	6.20	_____
	SURFACTANT	QT.	0.10	1.75	0.18	_____
FUNGICIDE - WHEAT	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	23.45	23.45	_____
MACHINERY FUEL		AC.	1.00	11.85	11.85	_____
OPERATING CAPITAL	8 MONTHS	AC.	182.54	8.00%	9.74	_____
TOTAL VARIABLE EXPENSES					192.28	_____
RETURN ABOVE VARIABLE EXPENSES					148.00	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	40.57	40.57	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	19.30	19.30	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					88.12	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.49	8.00	11.93	_____
RETURN TO LAND, MANAGEMENT, AND RISK					76.19	_____

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

**FOOTNOTES**

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

(2) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. HARMONY EXTRA MAY BE NEEDED FOR WILD GARLIC CONTROL. PROWL RATE IS FOR MEDIUM TEXTURE SOILS - USE LOWER RATE FOR SANDY SOILS AND HIGHER RATE FOR FINE TEXTURED OR CLAY SOILS - CHECK LABELS.

(3) SURFACTANT APPLIED AT A RATE OF 1 PT/100 GALLONS OF WATER

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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM	
<b>REVENUE</b>							
WHEAT	GRAIN	BU.	45.00	3.25	146.25	_____	
SOYBEANS	BEANS	BU.	30.00	6.50	195.00	_____	
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.033	-0.98	_____	
					<b>TOTAL REVENUE</b>	<b>340.28</b>	_____
<b>VARIABLE EXPENSES</b>							
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____	
SEED TREATMENT (1)	GAUCHO XT	BU.	1.50	6.00	9.00	_____	
SEED	SOYBEANS	LB.	50.00	0.42	21.00	_____	
SEED TREATMENT	VITAVAX M	BU.	0.83	2.62	2.17	_____	
TECHNOLOGY FEE		LB.	50.00	0.13	6.50	_____	
FERTILIZER	N(AN)	LB.	80.00	0.33	26.40	_____	
	P205	LB.	60.00	0.28	16.80	_____	
	K20	LB.	60.00	0.13	7.80	_____	
LIME	3 TONS EVERY 4 YRS.	TON	0.75	19.00	14.25	_____	
WEED CONTROL (2)						_____	
POST-EMERGE						_____	
	ROUNDUP ULTRAMAX	PT.	1.60	5.94	9.50	_____	
	ROUNDUP ULTRAMAX	PT.	0.80	5.94	4.75	_____	
HERBICIDE - WHEAT	HARMONY EXTRA	OZ.	0.50	12.40	6.20	_____	
	SURFACTANT (80% ACT.)	PT.	0.10	1.75	0.18	_____	
FUNGICIDE - WHEAT	TILT	OZ.	4.00	2.62	10.48	_____	
MACHINERY REPAIR		AC.	1.00	23.45	23.45	_____	
MACHINERY FUEL		AC.	1.00	11.85	11.85	_____	
OPERATING CAPITAL	8 MONTHS	AC.	185.33	8.00%	9.89	_____	
					<b>TOTAL VARIABLE EXPENSES</b>	<b>195.22</b>	_____
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>145.06</b>	_____
<b>MACHINERY EXPENSES</b>							
MACHINERY DEPRECIATION		AC.	1.00	40.57	40.57	_____	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	19.30	19.30	_____	
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	<b>85.18</b>	_____
<b>LABOR EXPENSES</b>							
LABOR		HR.	1.49	8.00	11.93	_____	
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	<b>73.25</b>	_____

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

**FOOTNOTES**

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

(2) 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