

AGRICULTURAL EXTENSION SERVICE

THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

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AE & RD #22



# FIELD CROP BUDGETS FOR 1999

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

January 1999

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The Agricultural Extension Service offers its programs to all eligible persons regardless of race, color, age, national origin, sex or disability 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/Billy G. Hicks, Dean

**COTTON - CONVENTIONAL TILLAGE, 500 POUND YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	500.00	0.62	310.00	_____
<b>VARIABLE EXPENSES</b>						
SEED	ACID DELINTED	LB.	12.00	0.88	10.56	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.14	21.40	_____
<b>INSECTICIDE(2)</b>						
TEMIK		LB.	3.50	3.18	11.13	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.22	3.52	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.48	3.84	_____
<b>FERTILIZER</b>						
	N (UREA)	LB.	60.00	0.22	13.20	_____
	P2O5	LB.	60.00	0.29	17.40	_____
	K2O	LB.	60.00	0.15	8.70	_____
BORON		LB.	0.50	3.00	1.50	_____
LIME		TON	0.50	18.00	9.00	_____
<b>HERBICIDE</b>						
<b>PRE-EMERGE(3)</b>						
	TREFLAN E.C.	PT.	1.50	3.53	5.30	_____
	COTORAN (BAND) 4L	PT.	1.50	4.12	6.18	_____
<b>POST-EMERGE</b>						
	STAPLE(4)	OZ.	0.51	20.40	10.31	_____
	SURFACTANT	QT.	0.08	3.00	0.25	_____
	BLADEX +	PT.	1.50	3.50	5.25	_____
	MSMA (DIRECTED)	PT.	2.00	2.12	4.24	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.62	11.62	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	DEFOLIANT	OZ.	16.00	0.30	4.80	_____
BOLL OPENER	PREP	OZ.	16.00	0.37	5.92	_____
CUSTOM APPLICATION	AIRPLANE	ACRE	1.00	4.00	4.00	_____
MACHINERY REPAIR		AC.	1.00	29.31	29.31	_____
MACHINERY FUEL		AC.	1.00	7.96	7.96	_____
OPERATING CAPITAL	6 MONTHS	AC.	199.99	9.00%	9.00	_____
					<b>TOTAL VARIABLE EXPENSES</b>	208.99
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	101.01
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION			1.00	35.65	35.65	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	20.83	20.83	_____
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	44.53
<b>LABOR EXPENSES</b>						
LABOR		HR.	2.09	6.75	14.10	_____
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	30.43

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

**FOOTNOTES**

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (3) COTORAN AT RATE OF .8 POUNDS PER ACRE, APPLIED IN 16-INCH BANDS. TREFLAN BROADCAST AND INCORPORATED WITH THE SOIL.
- (4) ONE APPLICATION OF STAPLE (1.2 OZ.) + SURFACTANT IN 16-INCH BANDS. (DIRECTED).

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT

**COTTON - CONVENTIONAL TILLAGE, 725 POUND YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	725.00	0.62	449.50	_____
<b>VARIABLE EXPENSES</b>						
SEED	ACID DELINTED	LB.	12.00	0.88	10.56	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.14	21.40	_____
<b>INSECTICIDE(2)</b>						
TEMIK		LB.	3.50	3.18	11.13	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.22	3.52	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.48	3.84	_____
<b>FERTILIZER</b>						
	N (UREA)	LB.	80.00	0.22	17.60	_____
	P2O5	LB.	60.00	0.29	17.40	_____
	K2O	LB.	60.00	0.15	8.70	_____
BORON		LB.	0.50	3.00	1.50	_____
LIME		TON	0.50	18.00	9.00	_____
<b>HERBICIDE</b>						
<b>PRE-EMERGE(3)</b>						
	TREFLAN E.C.	PT.	1.50	3.53	5.30	_____
	COTORAN (BAND) 4L	PT.	1.50	4.12	6.18	_____
<b>POST-EMERGE</b>						
	STAPLE(4)	OZ.	0.51	20.40	10.31	_____
	SURFACTANT	QT.	0.08	3.00	0.25	_____
	BLADEX +	PT.	1.50	3.50	5.25	_____
	MSMA (DIRECTED)	PT.	2.00	2.12	4.24	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.62	11.62	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	DEFOLIANT		16.00	0.30	4.80	_____
BOLL OPENER	PREP	OZ.	16.00	0.37	5.92	_____
CUSTOM APPLICATION	AIRPLANE	ACRE	1.00	4.00	4.00	_____
MACHINERY REPAIR		AC.	1.00	29.31	29.31	_____
MACHINERY FUEL		AC.	1.00	7.96	7.96	_____
OPERATING CAPITAL	6 MONTHS	AC.	204.39	9.00%	9.20	_____
					<b>TOTAL VARIABLE EXPENSES</b>	213.59
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	235.91
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION			1.00	35.65	35.65	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	20.83	20.83	_____
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	179.43
<b>LABOR EXPENSES</b>						
LABOR		HR.	2.09	6.75	14.10	_____
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	165.33

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

<b>FOOTNOTES</b>	
(1)	MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
(2)	ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
(3)	COTORAN AT RATE OF .8 POUNDS PER ACRE, APPLIED IN 16-INCH BANDS. TREFLAN BROADCAST AND INCORPORATED WITH THE SOIL.
(4)	ONE APPLICATION OF STAPLE (1.2 OZ.) + SURFACTANT IN 16-INCH BANDS. (DIRECTED).
PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY: PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE ECONOMIC ANALYSIS AND REVIEW PROVIDED BY: SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT	

**COTTON - NO TILLAGE, 725 POUND YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
COTTON(1)	LINT	LB.	725.00	0.62	449.50	_____
<b>VARIABLE EXPENSES</b>						
SEED	ACID DELINTED	LB.	12.00	0.88	10.56	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.14	21.40	_____
<b>INSECTICIDE(2)</b>						
TEMK		LB.	3.50	3.18	11.13	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.22	3.52	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.48	3.84	_____
<b>FERTILIZER</b>						
	N (AN)	LB.	80.00	0.22	17.60	_____
	P2O5	LB.	60.00	0.29	17.40	_____
	K2O	LB.	60.00	0.15	8.70	_____
BORON		LB.	0.50	3.00	1.50	_____
LIME		TON	0.50	18.00	9.00	_____
<b>HERBICIDE</b>						
BURNDOWN	ROUNDUP ULTRA	QT.	1.00	4.43	4.43	_____
<b>PRE-EMERGE(3)</b>						
	GRAMOXONE-EXTRA	PT.	1.00	4.24	4.24	_____
	SURFACTANT	QT.	0.20	2.50	0.50	_____
	PROWL	QT.	1.50	6.67	10.01	_____
	COTORAN 4L	PT.	1.50	4.12	6.18	_____
<b>POST-EMERGE</b>						
	STAPLE(4)	OZ.	0.51	20.40	10.31	_____
	SURFACTANT	QT.	0.08	2.50	0.21	_____
	BLADEX+	PT.	1.50	3.50	5.25	_____
	MSMA (DIRECTED)	PT.	2.00	2.12	4.24	_____
	SURFACTANT	QT.	0.20	2.50	0.50	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.62	11.62	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	DEFOLIANT	OZ.	16.00	0.30	4.80	_____
BOLL OPENER	PREP	OZ.	16.00	0.37	5.92	_____
CUSTOM APPLICATION	AIRPLANE	ACRE	1.00	4.00	4.00	_____
MACHINERY REPAIR		AC.	1.00	25.39	25.39	_____
MACHINERY FUEL		AC.	1.00	4.77	4.77	_____
OPERATING CAPITAL	6 MONTHS	AC.	211.02	9.00%	9.50	_____
				<b>TOTAL VARIABLE EXPENSES</b>	<b>220.52</b>	_____
				<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>228.99</b>	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION			1.00	31.67	31.67	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	17.96	17.96	_____
				<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	<b>179.36</b>	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.58	6.75	10.67	_____
				<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	<b>168.69</b>	_____

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

**FOOTNOTES**

- (1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.
- (2) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.
- (3) COTORAN AT RATE OF .8 POUNDS PER ACRE, APPLIED IN 16-INCH BANDS. TREFLAN BROADCAST AND INCORPORATED WITH THE SOIL.
- (4) ONE APPLICATION OF STAPLE (1.2OZ.) + SURFACTANT IN 16-INCH BANDS (DIRECTED).

**CORN - CONVENTIONAL TILLAGE, 120 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	120.00	2.10	252.00	
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	82.00	24.60	_____
FERTILIZER	N (UREA)	LB.	125.00	0.22	27.50	_____
	P2O5	LB.	50.00	0.29	14.50	_____
	K2O	LB.	50.00	0.15	7.25	_____
LIME	AG LIMESTONE	TON	0.60	18.00	10.80	_____
WEED CONTROL(3)						
BICEP II	6#/GAL.	QT.	2.40	8.24	19.78	_____
MACHINERY REPAIR		AC.	1.00	12.10	12.10	_____
MACHINERY FUEL		AC.	1.00	4.43	4.43	_____
OPERATING CAPITAL	6 MONTHS	AC.	120.96	9.00%	5.44	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
				TOTAL VARIABLE EXPENSES	127.00	_____
				RETURN ABOVE VARIABLE EXPENSES	125.00	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	20.68	20.68	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	10.21	10.21	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	94.11	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.12	6.75	7.57	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	86.54	_____

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

**FOOTNOTES**

- (1) AN IN-FURROW INSECTICIDE 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. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON-HIGHLY ERODIBLE SOILS OR IF THERE IS AT LEAST 30% RESIDUE COVERAGE AT PLANTING.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**CORN - CONVENTIONAL TILLAGE, 150 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	150.00	2.10	315.00	
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	82.00	26.65	
FERTILIZER	N (UREA)	LB.	170.00	0.22	37.40	
	P2O5	LB.	70.00	0.29	20.30	
	K2O	LB.	70.00	0.15	10.15	
LIME	AG LIMESTONE	TON	0.75	18.00	13.50	
WEED CONTROL(3)						
BICEP II	6#/GAL.	QT.	2.40	8.24	19.78	
MACHINERY REPAIR		AC.	1.00	12.10	12.10	
MACHINERY FUEL		AC.	1.00	4.43	4.43	
OPERATING CAPITAL	6 MONTHS	AC.	144.31	9.00%	6.49	
INDEMNITY FUND		BU.	150.00	0.005	0.75	
				TOTAL VARIABLE EXPENSES	151.55	
				RETURN ABOVE VARIABLE EXPENSES	163.45	
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	20.68	20.68	
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	10.21	10.21	
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	132.56	
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.12	6.75	7.57	
				RETURN TO LAND, MANAGEMENT, AND RISK	124.99	

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

**FOOTNOTES**

(1) AN IN-FURROW INSECTICIDE 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 JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON-HIGHLY ERODIBLE SOILS OR IF THERE IS AT LEAST 30% RESIDUE COVERAGE AT PLANTING.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:

WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**CORN - NO TILLAGE, 120 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	120.00	2.10	252.00	
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	82.00	24.60	_____
FERTILIZER	N (UREA)	LB.	125.00	0.22	27.50	_____
	P2O5	LB.	50.00	0.29	14.50	_____
	K2O	LB.	50.00	0.15	7.25	_____
LIME	AG LIMESTONE	TON	0.60	18.00	10.80	_____
WEED CONTROL(3) BURNDOWN						
	GRAMOXONE EXTRA	PT.	1.50	4.24	6.36	_____
	SURFACTANT (80% ACT.)	QT.	0.20	2.50	0.50	_____
PRE-EMERGE						
	BICEP II	QT.	2.40	8.24	19.78	_____
	ATRAZINE	OZ.	12.80	0.08	1.02	_____
MACHINERY REPAIR		AC.	1.00	10.23	10.23	_____
MACHINERY FUEL		AC.	1.00	2.86	2.86	_____
OPERATING CAPITAL	6 MONTHS	AC.	125.40	9.00%	5.64	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
					TOTAL VARIABLE EXPENSES	131.64
					RETURN ABOVE VARIABLE EXPENSES	120.36
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	18.65	18.65	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.57	8.57	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	93.14
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.84	6.75	5.65	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	87.49

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

**FOOTNOTES**

- (1) AN IN-FURROW INSECTICIDE 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.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**CORN - NO TILLAGE, 150 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	150.00	2.10	315.00	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	82.00	26.65	_____
FERTILIZER	N (UREA)	LB.	170.00	0.22	37.40	_____
	P2O5	LB.	70.00	0.29	20.30	_____
	K2O	LB.	70.00	0.15	10.15	_____
LIME	AG LIMESTONE	TON	0.75	18.00	13.50	_____
WEED CONTROL(3)						
BURNDOWN						
	GRAMOXONE.EXTRA	PT.	1.50	4.24	6.36	_____
	SURFACTANT (80% ACT.)	QT.	0.20	2.50	0.50	_____
PRE-EMERGE						
	BICEP II	QT.	2.40	8.24	19.78	_____
	ATRAZINE	OZ.	12.80	0.08	1.02	_____
MACHINERY REPAIR		AC.	1.00	10.23	10.23	_____
MACHINERY FUEL		AC.	1.00	2.86	2.86	_____
OPERATING CAPITAL	6 MONTHS	AC.	148.75	9.00%	6.69	_____
INDEMNITY FUND		BU.	150.00	0.005	0.75	_____
					TOTAL VARIABLE EXPENSES	156.19
					RETURN ABOVE VARIABLE EXPENSES	158.81
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	18.65	18.65	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.57	8.57	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	131.59
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.84	6.75	5.65	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	125.94

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

**FOOTNOTES**

- (1) AN IN-FURROW INSECTICIDE 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 JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
 WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
 ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
 JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**SOYBEANS - ROUNDUP READY, NO TILLAGE - 20" ROWS, 40 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	40.00	5.20	208.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.026	-1.04	_____
<b>VARIABLE EXPENSES (4)</b>						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.62	2.17	_____
TECHNOLOGY FEE		AC.	1.00	6.50	6.50	_____
FERTILIZER	P2O5	LB.	20.00	0.29	5.80	_____
	K2O	LB.	40.00	0.15	5.80	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	18.00	9.00	_____
WEED CONTROL (1) (3)						
PRE-EMERGE (2)	GRAMOXONE EXTRA	PT.	1.50	4.24	6.36	_____
	PROWL +	QT.	1.00	6.67	6.67	_____
	SURFACTANT	QT.	0.20	2.50	0.50	_____
POST-EMERGE	ROUNDUP	PT.	1.50	4.43	6.65	_____
POST-EMERGE	ROUNDUP	PT.	1.00	4.43	4.43	_____
MACHINERY REPAIR		AC.	1.00	9.00	9.00	_____
MACHINERY FUEL		AC.	1.00	3.54	3.54	_____
OPERATING CAPITAL	6 MONTHS	AC.	77.92	9.00%	3.51	_____
INDEMNITY FUND		BU.	40.00	0.01	0.40	_____
					<b>TOTAL VARIABLE EXPENSES</b>	<b>81.83</b>
					<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>125.13</b>
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	15.35	15.35	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.06	8.06	_____
					<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>	<b>101.72</b>
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.90	6.75	6.05	_____
					<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>	<b>95.67</b>

**FOOTNOTES**

(1) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. USE TWO PINTS OF PARAQUAT FOR HEAVY INFESTATIONS.

(2) SURFACTANT APPLIED AT A RATE OF 2 QTS/100 GALLONS OF WATER NORMALLY COVERS 5 ACRES. IF PLANTED IN HEAVY SOD, USE TWO PINTS OF GRAMOXONE EXTRA. IF MARESTAIL OR RHYZOME JOHNSONGRASS IS A PROBLEM USE ROUNDUP ULTRA OR TOUCHDOWN.

(4) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**SOYBEANS - NO TILLAGE - 20" ROWS, 40 BUSHEL YIELD  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	40.00	5.20	208.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.026	-1.04	_____
<b>VARIABLE EXPENSES (4)</b>						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.62	2.17	_____
FERTILIZER	P2O5	LB.	20.00	0.29	5.80	_____
	K2O	LB.	40.00	0.15	5.80	_____
LIME	2 TONS EVERY 4 YRS.	TON	0.50	18.00	9.00	_____
WEED CONTROL (1)(3)						
PRE-EMERGE (2)	GRAMOXONE EXTRA	PT.	1.50	4.24	6.36	_____
	PROWL +	QT.	1.00	6.67	6.67	_____
	SURFACTANT	QT.	0.20	2.50	0.50	_____
	CANOPY	OZ.	4.00	2.41	9.64	_____
POST-EMERGE	STORM	PT.	1.50	8.89	13.34	_____
MACHINERY REPAIR		AC.	1.00	8.54	8.54	_____
MACHINERY FUEL		AC.	1.00	3.22	3.22	_____
OPERATING CAPITAL	6 MONTHS	AC.	82.54	9.00%	3.71	_____
INDEMNITY FUND		BU.	40.00	0.01	0.40	_____
					TOTAL VARIABLE EXPENSES	86.65
					RETURN ABOVE VARIABLE EXPENSES	120.31
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	14.85	14.85	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	7.68	7.68	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	97.78
<b>LABOR EXPENSES</b>						
LABOR		HR.	0.82	6.75	5.51	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	92.27

**FOOTNOTES**

- (1) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. USE TWO PINTS OF PARAQUAT FOR HEAVY INFESTATIONS.
- (2) SURFACTANT APPLIED AT A RATE OF 2 QTS/100 GALLONS OF WATER NORMALLY COVERS 5 ACRES. IF PLANTED IN HEAVY SOD, USE TWO PINTS OF GRAMOXONE EXTRA. IF MARESTAIL OR RHYZOME JOHNSONGRASS IS A PROBLEM USE ROUNDUP ULTRA OR TOUCHDOWN.
- (3) IF SELECT USED FOR GRASSES 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.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT

**WHEAT, 45 BUSHEL YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT(1)	GRAIN	BU.	45.00	2.85	128.25	_____
<b>VARIABLE EXPENSES</b>						
SEED	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.29	23.20	_____
	P2O5	LB.	40.00	0.29	11.60	_____
	K2O	LB.	20.00	0.15	2.90	_____
LIME		TON	0.40	18.00	7.20	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	10.53	10.53	_____
MACHINERY FUEL		AC.	1.00	4.47	4.47	_____
OPERATING CAPITAL	8 MONTHS	AC.	91.21	9.00%	5.48	_____
INDEMNITY FUND		BU.	45.00	0.005	0.23	_____
					TOTAL VARIABLE EXPENSES	96.92
					RETURN ABOVE VARIABLE EXPENSES	31.33
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	17.31	17.31	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	9.59	9.59	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	4.43
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.13	6.75	7.62	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	-3.19

---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 RETURNS TO LAND, MANAGEMENT, AND RISK, BASED ON THE EXPECTED YIELD AND PRICE OF THE STRAW, LESS HARVEST AND MARKETING COSTS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
 PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
 JAMES H. LOOFT, AREA SPECIALIST, FARM MANAGEMENT

**WHEAT, 60 BUSHEL YIELD**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT(1)	GRAIN	BU.	60.00	2.85	171.00	_____
<b>VARIABLE EXPENSES</b>						
SEED	TREATED/FUNGICIDE	BU.	2.00	10.00	20.00	_____
FERTILIZER	N (AN)	LB.	80.00	0.29	23.20	_____
	P2O5	LB.	40.00	0.29	11.60	_____
	K2O	LB.	20.00	0.15	2.90	_____
LIME		TON	0.40	18.00	7.20	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	10.53	10.53	_____
MACHINERY FUEL		AC.	1.00	4.47	4.47	_____
OPERATING CAPITAL	8 MONTHS	AC.	96.21	9.00%	5.78	_____
INDEMNITY FUND		BU.	60.00	0.005	0.30	_____
				TOTAL VARIABLE EXPENSES	102.29	_____
				RETURN ABOVE VARIABLE EXPENSES	68.71	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	17.31	17.31	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	9.59	9.59	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	41.81	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.13	6.75	7.62	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	34.19	_____

--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 RETURNS TO LAND, MANAGEMENT, AND RISK, BASED ON THE EXPECTED YIELD AND PRICE OF THE STRAW, LESS HARVEST AND MARKETING COSTS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
 PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
 JAMES H. LOOFT, AREA SPECIALIST, FARM MANAGEMENT

**WHEAT - SOYBEANS - NO TILLAGE  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT	GRAIN	BU.	45.00	2.85	128.25	_____
SOYBEANS	BEANS	BU.	30.00	5.20	156.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.026	-0.78	_____
			TOTAL REVENUE		283.47	_____
<b>VARIABLE EXPENSES</b>						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____
SEED	SOYBEANS	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITAVAX M	BU.	0.83	2.62	2.17	_____
FERTILIZER	N(AN)	LB.	80.00	0.29	23.20	_____
	P205	LB.	60.00	0.29	17.40	_____
	K20	LB.	60.00	0.15	8.70	_____
LIME	3 TONS EACH 4 YRS.	TON	0.75	18.00	13.50	_____
WEED CONTROL(1)						
PRE-PLANT						
	GRAMOXONE EXTRA	PT.	1.50	4.24	6.36	_____
	PROWL +	QT.	1.00	6.67	6.67	_____
	SURFACTANT(2)	AC.	0.20	2.50	0.50	_____
POST-EMERGE						
	STORM	PT.	1.50	8.89	13.34	_____
HERBICIDE - WHEAT	HARMONY EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE - WHEAT	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	18.66	18.66	_____
MACHINERY FUEL		AC.	1.00	7.10	7.10	_____
OPERATING CAPITAL	8 MONTHS	AC.	160.41	9.00%	9.63	_____
INDEMNITY FUND	SOYBEANS	BU.	30.00	0.01	0.30	_____
INDEMNITY FUND	WHEAT	BU.	45.00	0.005	0.23	_____
			TOTAL VARIABLE EXPENSES		170.57	_____
			RETURN ABOVE VARIABLE EXPENSES		112.90	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	32.01	32.01	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	17.08	17.08	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		63.81	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.80	6.75	12.14	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		51.67	_____

-- 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. HARMONY EXTRA MAY BE NEEDED FOR WILD GARLIC CONTROL. RATES ARE FOR MEDIUM TEXTURE SOILS - USE LOWER RATES FOR SANDY SOILS AND HIGHER RATES FOR FINE TEXTURED OR CLAY SOILS - CHECK LABELS.

(2) APPLIED AT A RATE OF 2 QTS/100 GALLONS OF WATER. THIS NORMALLY COVERS 5 ACRES.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:  
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT  
JAMES H. LOOFT, AREA SPECIALIST, FARM MANAGEMENT

**WHEAT - ROUNDUP READY SOYBEANS - NO TILLAGE  
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT	GRAIN	BU.	45.00	2.85	128.25	_____
SOYBEANS	BEANS	BU.	30.00	5.20	156.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.026	-0.78	_____
			<b>TOTAL REVENUE</b>		<b>283.47</b>	_____
<b>VARIABLE EXPENSES</b>						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	10.00	15.00	_____
SEED	SOYBEANS	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITAVAX M	BU.	0.83	2.62	2.17	_____
TECHNOLOGY FEE		ACRE	1.00	6.50	6.50	_____
FERTILIZER	N(AN)	LB.	80.00	0.29	23.20	_____
	P205	LB.	60.00	0.29	17.40	_____
	K20	LB.	60.00	0.15	8.70	_____
LIME	3 TONS EACH 4 YRS.	TON	0.75	18.00	13.50	_____
WEED CONTROL POST-EMERGE						
	ROUNDUP	PT.	1.50	4.43	6.65	_____
	ROUNDUP	PT.	1.00	4.43	4.43	_____
HERBICIDE - WHEAT	HARMONY EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE - WHEAT	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	18.66	18.66	_____
MACHINERY FUEL		AC.	1.00	7.10	7.10	_____
OPERATING CAPITAL	8 MONTHS	AC.	151.12	9.00%	9.07	_____
INDEMNITY FUND	SOYBEANS	BU.	30.00	0.01	0.30	_____
INDEMNITY FUND	WHEAT	BU.	45.00	0.005	0.23	_____
			<b>TOTAL VARIABLE EXPENSES</b>		<b>160.72</b>	_____
			<b>RETURN ABOVE VARIABLE EXPENSES</b>		<b>122.75</b>	_____
<b>MACHINERY EXPENSES</b>						
MACHINERY DEPRECIATION		AC.	1.00	32.01	32.01	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	17.08	17.08	_____
			<b>RETURN TO LAND, LABOR, MANAGEMENT, AND RISK</b>		<b>73.66</b>	_____
<b>LABOR EXPENSES</b>						
LABOR		HR.	1.80	6.75	12.14	_____
			<b>RETURN TO LAND, MANAGEMENT, AND RISK</b>		<b>61.52</b>	_____

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

**FOOTNOTES**

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:  
 WAYNE T. FLINCHUM, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
 PAULUS P. SHELBY, PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE  
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