

AGRICULTURAL EXTENSION SERVICE

THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

AE & RD #36



FIELD CROP BUDGETS FOR 1997

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

January 1997

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)	LINT	LB.	500.00	0.65	325.00	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	12.00	0.76	9.12	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.05	20.50	_____
INSECTICIDE(4)						
TEMIK		LB.	3.50	3.10	10.85	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.23	3.68	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.46	3.68	_____
FERTILIZER						
	N (UREA)	LB.	80.00	0.29	23.20	_____
	P2O5	LB.	60.00	0.30	18.00	_____
	K2O	LB.	60.00	0.13	7.80	_____
BORON		LB.	0.50	3.15	1.58	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
PRE-EMERGE(2)						
	TREFLAN E.C.	PT.	1.50	3.80	5.70	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST-EMERGE(3)						
	MSMA +	PT.	1.00	2.05	2.05	_____
	BLADEX (DIRECTED)	PT.	1.50	3.50	5.25	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.80	11.80	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACRE	1.00	9.50	9.50	_____
MACHINERY REPAIR		AC.	1.00	28.21	28.21	_____
MACHINERY FUEL		AC.	1.00	10.62	10.62	_____
OPERATING CAPITAL	6 MONTHS	AC.	190.29	9.00%	8.57	_____
TOTAL VARIABLE EXPENSES					198.86	_____
RETURN ABOVE VARIABLE EXPENSES					126.15	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	34.28	34.28	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	20.27	20.27	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					71.60	_____
LABOR EXPENSES						
LABOR		HR.	2.09	6.25	13.06	_____
RETURN TO LAND, MANAGEMENT, AND RISK					58.54	_____

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

FOOTNOTES

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

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:
 PAULUS P. SHELBY, ASSOCIATE PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE
 ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
 SAMUEL C. DANEHOWER, ASSOCIATE 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
REVENUE						
COTTON(1)	LINT	LB.	725.00	0.65	471.25	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	12.00	0.76	9.12	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.05	20.50	_____
INSECTICIDE(4)						
TEMK		LB.	3.50	3.10	10.85	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.23	3.68	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.46	3.68	_____
FERTILIZER						
	N (UREA)	LB.	100.00	0.29	29.00	_____
	P2O5	LB.	60.00	0.30	18.00	_____
	K2O	LB.	60.00	0.13	7.80	_____
BORON		LB.	0.50	3.15	1.58	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
PRE-EMERGE(2)						
	TREFLAN E.C.	PT.	1.50	3.80	5.70	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST-EMERGE(3)						
	MSMA +	PT.	1.00	2.05	2.05	_____
	BLADEX (DIRECTED)	PT.	1.50	3.50	5.25	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.80	11.80	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACRE	1.00	9.50	9.50	_____
BOLL OPENER (PREP)	CUSTOM-AIRPLANE	ACRE	1.00	10.50	10.50	_____
MACHINERY REPAIR		AC.	1.00	28.21	28.21	_____
MACHINERY FUEL		AC.	1.00	10.62	10.62	_____
OPERATING CAPITAL	6 MONTHS	AC.	206.59	9.00%	9.30	_____
				TOTAL VARIABLE EXPENSES	215.89	_____
				RETURN ABOVE VARIABLE EXPENSES	255.37	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	34.28	34.28	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	20.27	20.27	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	200.82	_____
LABOR EXPENSES						
LABOR		HR.	2.09	6.25	13.06	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	187.76	_____

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

FOOTNOTES

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

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:
PAULUS P. SHELBY, ASSOCIATE PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
SAMUEL C. DANEHOWER, ASSOCIATE 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
REVENUE						
COTTON(1)	LINT	LB.	725.00	0.65	471.25	
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	12.00	0.76	9.12	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	10.00	2.05	20.50	_____
INSECTICIDE(4)						
TEMIK		LB.	3.50	3.10	10.85	_____
PINHEAD SQUARE - 1ST	GUTHION	OZ.	16.00	0.23	3.68	_____
PINHEAD SQUARE - 2ND	VYDATE	OZ.	8.00	0.46	3.68	_____
FERTILIZER	N (AN)	LB.	100.00	0.34	34.00	_____
	P2O5	LB.	60.00	0.30	18.00	_____
	K2O	LB.	60.00	0.13	7.80	_____
BORON		LB.	0.50	3.15	1.58	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
BURNDOWN						
	ROUNDUP(LRT)+	QT.	1.00	12.25	12.25	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
	GRAMOXONE-EXTRA	PT.	1.00	3.86	3.86	_____
PRE-EMERGE(2)						
	PROWL	QT.	1.50	6.10	9.15	_____
	COTORAN 4L	PT.	1.50	4.50	6.75	_____
POST-EMERGE(3)						
	COTORAN 4L (BANDED)	PT.	1.50	4.50	6.75	_____
	MSMA (DIRECTED)	PT.	2.00	2.05	4.10	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
POST-EMERGE(3)						
	BLADEX+	PT.	1.50	3.50	5.25	_____
	MSMA (DIRECTED)	PT.	2.00	2.05	4.10	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
GROWTH REGULATOR	PI X	PT.	1.00	11.80	11.80	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACRE	1.00	9.50	9.50	_____
BOLL OPENER (PREP)	CUSTOM-AIRPLANE	ACRE	1.00	10.50	10.50	_____
MACHINERY REPAIR		AC.	1.00	25.09	25.09	_____
MACHINERY FUEL		AC.	1.00	7.09	7.09	_____
OPERATING CAPITAL	6 MONTHS	AC.	239.20	9.00%	10.77	_____
					TOTAL VARIABLE EXPENSES	249.97
					RETURN ABOVE VARIABLE EXPENSES	221.28
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	31.12	31.12	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	18.01	18.01	_____
	RETURN TO LAND, LABOR, MANAGEMENT, AND RISK				172.15	_____
LABOR EXPENSES						
LABOR		HR.	1.58	6.25	9.88	_____
	RETURN TO LAND, MANAGEMENT, AND RISK				162.27	_____

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

FOOTNOTES

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

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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	120.00	2.35	282.00	
VARIABLE EXPENSES						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	80.00	24.00	_____
FERTILIZER	N (UREA)	LB.	125.00	0.29	36.25	_____
	P2O5	LB.	50.00	0.30	15.00	_____
	K2O	LB.	50.00	0.13	6.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL(3)						
BICEP II	6#/GAL.	QT.	2.40	8.25	19.80	_____
MACHINERY REPAIR		AC.	1.00	12.62	12.62	_____
MACHINERY FUEL		AC.	1.00	6.60	6.60	_____
OPERATING CAPITAL	6 MONTHS	AC.	128.77	9.00%	5.79	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
				TOTAL VARIABLE EXPENSES	135.16	_____
				RETURN ABOVE VARIABLE EXPENSES	146.84	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.20	21.20	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	10.82	10.82	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	114.82	_____
LABOR EXPENSES						
LABOR		HR.	1.25	6.25	7.82	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	107.00	_____

— 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, ASSOCIATE 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
REVENUE						
CORN(1)	GRAIN	BU.	150.00	2.35	352.50	
VARIABLE EXPENSES						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	80.00	26.00	_____
FERTILIZER	N (UREA)	LB.	170.00	0.29	49.30	_____
	P2O5	LB.	70.00	0.30	21.00	_____
	K2O	LB.	70.00	0.13	9.10	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL(3)						
BICEP II	6#/GAL.	QT.	2.40	8.25	19.80	_____
MACHINERY REPAIR		AC.	1.00	12.62	12.62	_____
MACHINERY FUEL		AC.	1.00	6.60	6.60	_____
OPERATING CAPITAL	6 MONTHS	AC.	152.42	9.00%	6.86	_____
INDEMNITY FUND		BU.	150.00	0.005	0.75	_____
				TOTAL VARIABLE EXPENSES	160.03	_____
				RETURN ABOVE VARIABLE EXPENSES	192.47	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.20	21.20	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	10.82	10.82	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	160.45	_____
LABOR EXPENSES						
LABOR		HR.	1.25	6.25	7.82	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	152.63	_____

— 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, ASSOCIATE 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
REVENUE						
CORN(1)	GRAIN	BU.	120.00	2.35	282.00	
VARIABLE EXPENSES						
SEED KERNELS(2)	24 THOUSAND SEEDS	BAG	0.30	80.00	24.00	_____
FERTILIZER	N (UREA)	LB.	125.00	0.29	36.25	_____
	P2O5	LB.	50.00	0.30	15.00	_____
	K2O	LB.	50.00	0.13	6.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL(3)						
BURNDOWN	GRAMOXONE EXTRA	PT.	1.50	3.86	5.79	_____
	SURFACTANT (80% ACT.)	QT.	0.20	3.00	0.60	_____
PRE-EMERGE						
	BICEP II	QT.	2.40	8.25	19.80	_____
	ATRAZINE	OZ.	12.80	0.09	1.16	_____
MACHINERY REPAIR		AC.	1.00	10.25	10.25	_____
MACHINERY FUEL		AC.	1.00	4.10	4.10	_____
OPERATING CAPITAL	6 MONTHS	AC.	131.45	9.00%	5.92	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
				TOTAL VARIABLE EXPENSES	137.97	_____
				RETURN ABOVE VARIABLE EXPENSES	144.03	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	18.20	18.20	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.49	8.49	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	117.34	_____
LABOR EXPENSES						
LABOR		HR.	0.92	6.25	5.74	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	111.60	_____

— 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, ASSOCIATE 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
REVENUE						
CORN(1)	GRAIN	BU.	150.00	2.35	352.50	
VARIABLE EXPENSES						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	80.00	26.00	_____
FERTILIZER	N (UREA)	LB.	170.00	0.29	49.30	_____
	P2O5	LB.	70.00	0.30	21.00	_____
	K2O	LB.	70.00	0.13	9.10	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL(3)						
BURNDOWN	GRAMOXONE EXTRA	PT.	1.50	3.86	5.79	_____
	SURFACTANT (80% ACT.)	QT.	0.20	3.00	0.60	_____
PRE-EMERGE						
	BICEP II	QT.	2.40	8.25	19.80	_____
	ATRAZINE	OZ.	12.80	0.09	1.16	_____
MACHINERY REPAIR		AC.	1.00	10.25	10.25	_____
MACHINERY FUEL		AC.	1.00	4.10	4.10	_____
OPERATING CAPITAL	6 MONTHS	AC.	155.10	9.00%	6.98	_____
INDEMNITY FUND		BU.	150.00	0.005	0.75	_____
					TOTAL VARIABLE EXPENSES	162.83
					RETURN ABOVE VARIABLE EXPENSES	189.67
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	18.20	18.20	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.49	8.49	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	162.98
LABOR EXPENSES						
LABOR		HR.	0.92	6.25	5.74	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	157.24

— 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, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**SOYBEANS - NO TILLAGE - 20" ROWS, 30 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	6.20	186.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.031	-0.93	_____
VARIABLE EXPENSES (4)						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITA VAX-M	BU.	0.83	2.50	2.08	_____
FERTILIZER	P2O5	LB.	20.00	0.30	6.00	_____
	K2O	LB.	40.00	0.13	5.20	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	16.00	12.00	_____
WEED CONTROL (1) (3)						
PRE-EMERGE (2)						
	GRAMOXONE EXTRA	PT.	1.50	3.86	5.79	_____
	PROWL +	QT.	1.00	6.10	6.10	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
POST-EMERGE						
	STORM	PT.	1.50	8.40	12.60	_____
MACHINERY REPAIR		AC.	1.00	8.32	8.32	_____
MACHINERY FUEL		AC.	1.00	4.29	4.29	_____
OPERATING CAPITAL	6 MONTHS	AC.	74.48	9.00%	3.35	_____
INDEMNITY FUND		BU.	30.00	0.01	0.30	_____
					78.13	_____
					TOTAL VARIABLE EXPENSES	_____
					RETURN ABOVE VARIABLE EXPENSES	106.94
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	14.22	14.22	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	7.41	7.41	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	85.31
LABOR EXPENSES						
LABOR		HR.	0.82	6.25	5.10	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	80.21

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. (GRAMOXONE EXTRA IS A NEW FORMULATION CONTAINING 2.0 LB. ACTIVE INGREDIENT PARAQUAT PER GALLON.)
- (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 JOHNSON GRASS IS A PROBLEM USE ROUNDUP ULTRA OR BRONCO.
- (3) IF FUSILADE DX IS 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, ASSOCIATE 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
REVENUE						
SOYBEANS	BEANS	BU.	40.00	6.20	248.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40.00	-0.031	-1.24	_____
VARIABLE EXPENSES (4)						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.23	11.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	2.50	2.08	_____
FERTILIZER	P2O5	LB.	20.00	0.30	6.00	_____
	K2O	LB.	40.00	0.13	5.20	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	16.00	12.00	_____
WEED CONTROL (1) (3)						_____
PRE-EMERGE (2)						_____
	GRAMOXONE EXTRA	PT.	1.50	3.86	5.79	_____
	PROWL +	QT.	1.00	6.10	6.10	_____
	SURFACTANT	QT.	0.20	3.00	0.60	_____
POST-EMERGE						_____
	STORM	PT.	1.50	8.40	12.60	_____
MACHINERY REPAIR		AC.	1.00	8.32	8.32	_____
MACHINERY FUEL		AC.	1.00	4.29	4.29	_____
OPERATING CAPITAL	6 MONTHS	AC.	74.48	9.00%	3.35	_____
INDEMNITY FUND		BU.	40.00	<u>0.01</u>	<u>0.40</u>	_____
TOTAL VARIABLE EXPENSES					78.23	_____
RETURN ABOVE VARIABLE EXPENSES					168.53	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	<u>1.00</u>	14.22	14.22	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	<u>1.00</u>	7.41	7.41	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					146.90	_____
LABOR EXPENSES						
LABOR		HR.	0.82	6.25	5.10	_____
RETURN TO LAND, MANAGEMENT, AND RISK					141.80	_____

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. (GRAMOXONE EXTRA IS A NEW FORMULATION CONTAINING 2.0 LB. ACTIVE INGREDIENT PARAQUAT PER GALLON.)
- (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 JOHNSON GRASS IS A PROBLEM USE ROUNDUP ULTRA OR BRONCO.
- (3) IF FUSILADE DX IS 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, ASSOCIATE 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
REVENUE						
WHEAT(1)	GRAIN	BU.	45.00	3.15	141.75	
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
FERTILIZER	N (AN)	LB.	80.00	0.34	27.20	_____
	P2O5	LB.	40.00	0.30	12.00	_____
	K2O	LB.	20.00	0.13	2.60	_____
LIME		TON	0.40	16.00	6.40	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	9.74	9.74	_____
MACHINERY FUEL		AC.	1.00	5.96	5.96	_____
OPERATING CAPITAL	8 MONTHS	AC.	92.59	9.00%	5.56	_____
INDEMNITY FUND		BU.	45.00	0.005	0.23	_____
				TOTAL VARIABLE EXPENSES	98.38	_____
				RETURN ABOVE VARIABLE EXPENSES	43.37	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	15.90	15.90	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.79	8.79	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	18.68	_____
LABOR EXPENSES						
LABOR		HR.	1.13	6.25	7.05	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	11.63	_____

—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, ASSOCIATE 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
REVENUE						
WHEAT(1)	GRAIN	BU.	60.00	3.15	189.00	
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	2.00	8.25	16.50	_____
FERTILIZER	N (AN)	LB.	80.00	0.34	27.20	_____
	P2O5	LB.	40.00	0.30	12.00	_____
	K2O	LB.	20.00	0.13	2.60	_____
LIME		TON	0.40	16.00	6.40	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.65	5.83	_____
FUNGICIDE	TILT	OZ.	4.00	2.62	10.48	_____
MACHINERY REPAIR		AC.	1.00	9.74	9.74	_____
MACHINERY FUEL		AC.	1.00	5.96	5.96	_____
OPERATING CAPITAL	8 MONTHS	AC.	96.71	9.00%	5.81	_____
INDEMNITY FUND		BU.	60.00	0.005	0.30	_____
					TOTAL VARIABLE EXPENSES	102.82
					RETURN ABOVE VARIABLE EXPENSES	86.18
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	15.90	15.90	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.79	8.79	_____
					RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	61.49
LABOR EXPENSES						
LABOR		HR.	1.13	6.25	7.05	_____
					RETURN TO LAND, MANAGEMENT, AND RISK	54.44

—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, ASSOCIATE 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
REVENUE						
WHEAT	GRAIN	BU.	45.00	3.15	141.75	_____
SOYBEANS	BEANS	BU.	30.00	6.20	186.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.031	-0.93	_____
TOTAL REVENUE					326.82	_____
VARIABLE EXPENSES						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
SEED	SOYBEANS	LB.	50.00	0.23	11.50	_____
INOCULATION	VITAVAX M	BU.	0.83	2.50	2.08	_____
FERTILIZER	N(AN)	LB.	80.00	0.34	27.20	_____
	P205	LB.	60.00	0.30	18.00	_____
	K20	LB.	60.00	0.13	7.80	_____
LIME	3 TONS EACH 4 YRS.	TON	0.75	16.00	12.00	_____
WEED CONTROL(1)						_____
PRE-PLANT						_____
	GRAMOXONE EXTRA	PT.	1.50	3.86	5.79	_____
	PROWL +	QT.	1.00	6.10	6.10	_____
	SURFACTANT(2)	AC.	0.20	3.00	0.60	_____
POST-EMERGE						_____
	STORM	PT.	1.50	8.40	12.60	_____
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	17.72	17.72	_____
MACHINERY FUEL		AC.	1.00	9.47	9.47	_____
OPERATING CAPITAL	8 MONTHS	AC.	159.55	9.00%	9.58	_____
INDEMNITY FUND	SOYBEANS	BU.	30.00	0.01	0.30	_____
INDEMNITY FUND	WHEAT	BU.	45.00	0.005	0.23	_____
TOTAL VARIABLE EXPENSES					169.66	_____
RETURN ABOVE VARIABLE EXPENSES					157.16	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	30.13	30.13	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	16.11	16.11	_____
RETURN TO LAND, LABOR, MANAGEMENT, AND RISK					110.92	_____
LABOR EXPENSES						
LABOR		HR.	1.80	6.25	11.24	_____
RETURN TO LAND, MANAGEMENT, AND RISK					99.68	_____

– 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, ASSOCIATE PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

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 JAMES H. LOOFT, AREA SPECIALIST, FARM MANAGEMENT