



AGRICULTURAL EXTENSION SERVICE
THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

AE&RD INFO # 32

**FIELD CROP
BUDGETS
FOR 1994**

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

January 1994

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The Agricultural Extension Service offers its programs to all eligible persons
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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
The University of Tennessee Institute of Agriculture, U.S. Department of Agriculture, and county governments cooperating
in furtherance of Acts of May 8 and June 30, 1914, Agricultural Extension Service/Billy G. Hicks, Dean

**COTTON – CONVENTIONAL TILLAGE (4–ROW EQUIPMENT)
ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)	LINT	LB.	600.00	0.57	342.00	
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.75	11.25	_____
FUNGICIDE	TERRACLOR SUPER X	LB.	8.00	1.45	11.60	_____
	TEMIK	LB.	3.00	2.86	8.58	_____
INSECTICIDE(4)						
PINHEAD SQUARE – 1ST	GUTHION	OZ.	10.00	0.21	2.10	_____
PINHEAD SQUARE – 2ND	GUTHION	OZ.	10.00	0.21	2.10	_____
FERTILIZER	N (UREA)	LB.	80.00	0.22	17.60	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	K2O	LB.	60.00	0.15	9.00	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
PRE–EMERGE(2)						
	TREFLAN E.C.	PT.	1.50	4.12	6.18	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST–EMERGE(3)						
	MSMA PLUS	PT.	1.00	2.05	2.05	_____
	BLADIX (DIRECTED)	PT.	1.50	2.95	4.43	_____
GROWTH REGULATOR	PI X	PT.	0.50	12.11	6.06	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM–AIRPLANE	ACRE	1.00	7.50	7.50	_____
MACHINERY REPAIR		AC.	1.00	29.94	29.94	_____
MACHINERY FUEL		AC.	1.00	11.71	11.71	_____
OPERATING CAPITAL	6 MONTHS	AC.	163.84	8.00%	6.56	_____
					TOTAL VARIABLE EXPENSES	170.40
					RETURN ABOVE VARIABLE EXPENSES	171.60
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	36.13	36.13	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	0.08	22.81	_____
	RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK				112.66	_____
LABOR EXPENSES						
LABOR		HR.	3.76	5.25	19.75	_____
	RETURNS TO LAND, MANAGEMENT, AND RISK				92.91	_____

--- 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. COSTS FOR MATERIALS WILL BE AS FOLLOWS:
PLANT BUGS – LORSBAN – 6 OZ. – \$2.25
BOLL WEEVILS – METHYL PARATHION – 1 PINT – \$2.83
BOLL WORMS – POUNCE 3.2 E.C. – 4 OZ. – \$5.88
IF APPLIED BY AIRPLANE ADD \$3.50 TO \$4.00/ACRE/SPRAY OR \$1.60 USING A SELF PROPELLED SPRAYER.
- PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:
PAULUS P. SHELBY, ASSOCIATE PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE
ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS
SAMUEL C. DANEHOWER, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**COTTON – CONVENTIONAL TILLAGE (8–ROW EQUIPMENT)
ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
COTTON(1)	LINT	LB.	600.00	0.57	342.00	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.75	11.25	_____
FUNGICIDE(2)	TERRACLOR SUPER X	LB.	8.00	1.45	11.60	_____
	TEMIK	LB.	3.00	2.86	8.58	_____
INSECTICIDE(5)						
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
FERTILIZER	N (UREA)	LB.	80.00	0.22	17.60	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	K2O	LB.	60.00	0.15	9.00	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
PRE–EMERGE(3)						
	TREFLAN E.C.	PT.	1.50	4.12	6.18	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST–EMERGE(4)						
	MSMA PLUS	PT.	1.00	2.05	2.05	_____
	BLADEX (DIRECTED)	PT.	1.50	2.95	4.43	_____
GROWTH REGULATOR	PI X	PT.	0.50	12.11	6.06	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM– AIRPLANE	ACRE	1.00	7.50	7.50	_____
MACHINERY REPAIR		AC.	1.00	26.02	26.02	_____
MACHINERY FUEL		AC.	1.00	13.65	13.65	_____
OPERATING CAPITAL	6 MONTHS	AC.	161.86	8.00%	6.48	_____
					TOTAL VARIABLE EXPENSES	168.34
					RETURN ABOVE VARIABLE EXPENSES	173.66
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	31.90	31.90	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	20.15	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	121.62
LABOR EXPENSES						
LABOR		HR.	2.05	5.25	10.78	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	110.84

--- 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. COSTS FOR MATERIALS WILL BE AS FOLLOWS:
 PLANT BUGS – LORSBAN – 6 OZ. – \$2.25
 BOLL WEEVILS – METHYL PARATHION – 1 PINT – \$2.83
 BOLL WORMS – POUNCE 3.2 E.C. – 4 OZ. – \$5.88
 IF APPLIED BY AIRPLANE ADD \$3.50 TO \$4.00/ACRE/SPRAY OR \$1.60 USING A SELF PROPELLED SPRAYER.
- PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:
 PAULUS P. SHELBY, ASSOCIATE PROFESSOR, EXTENSION PLANT AND SOIL SCIENCE
 ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
 ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS
 SAMUEL C. DANEHOWER, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**COTTON – NO TILLAGE (4–ROW EQUIPMENT)
ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
				(\$)	(\$)	
REVENUE						
COTTON(1)	LINT	LB.	600.00	0.57	342.00	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.75	11.25	_____
FUNGICIDE	TERRACLOR SUPER X	LB	8.00	1.45	11.60	_____
	TEMIK	LB	3.00	2.86	8.58	_____
INSECTICIDE(4)						
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
FERTILIZER	N (AN)	LB.	80.00	0.25	20.00	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	K2O	LB.	60.00	0.15	9.00	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
BURNDOWN						
	ROUNDUP(LRT)+	QT.	1.00	12.50	12.50	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
	GRAMOXONE-EXTRA	PT.	1.00	3.86	3.86	_____
PRE-EMERGE(2)						
	PROWL	QT.	1.50	7.62	11.43	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST-EMERGE(3)						
	BLADEX +	PT.	1.50	2.95	4.43	_____
	MSMA (DIRECTED)	PT.	2.00	2.05	4.10	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
GROWTH REGULATOR	PIX	PT.	0.50	12.11	6.06	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	AC.	1.00	7.50	7.50	_____
MACHINERY REPAIR		AC.	1.00	24.25	24.25	_____
MACHINERY FUEL		AC.	1.00	7.10	7.10	_____
OPERATING CAPITAL	6 MONTHS	AC.	180.38	8.00%	7.22	_____
					TOTAL VARIABLE EXPENSES	187.60
					RETURN ABOVE VARIABLE EXPENSES	154.40
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	28.76	28.76	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	9.00%	18.39	_____
	RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK				107.25	_____
LABOR EXPENSES						
LABOR		HR.	2.53	5.25	13.28	_____
	RETURNS TO LAND, MANAGEMENT, AND RISK				93.97	_____

--- 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. COSTS FOR MATERIALS WILL BE AS FOLLOWS:
 PLANT BUGS – 6% BIDRIN – 2 OZ. – \$1.00
 BOLL WEEVILS – METHYL PARATHION – 1/2 PT. – \$.74
 BOLL WORMS – POUNCE 3.2 E.C. – 4 OZ. – \$5.88
 IF APPLIED BY AIRPLANE ADD \$3.50/ACRE/SPRAY.

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

**COTTON – NO TILLAGE (8–ROW EQUIPMENT)
ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
				(\$)	(\$)	
REVENUE						
COTTON(1)	LINT	LB.	600.00	0.57	342.00	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.75	11.25	_____
FUNGICIDE	TERRACLOR SUPER X	LB	8.00	1.45	11.60	_____
	TEMIK	LB	3.00	2.86	8.58	_____
INSECTICIDE(4)						
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
PINHEAD SQUARE	GUTHION	OZ.	10.00	0.21	2.10	_____
FERTILIZER	N (AN)	LB.	80.00	0.25	20.00	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	K2O	LB.	60.00	0.15	9.00	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	16.00	8.00	_____
HERBICIDE						
BURNDOWN						
	ROUNDUP(LRT)+	QT.	1.00	12.50	12.50	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
	GRAMOXONE-EXTRA	PT.	1.00	3.86	3.86	_____
PRE-EMERGE(2)						
	PROWL	QT.	1.50	7.62	11.43	_____
	COTORAN (BAND) 4L	PT.	1.50	4.50	6.75	_____
POST-EMERGE(3)						
	BLADEX +	PT.	1.50	2.95	4.43	_____
	MSMA (DIRECTED)	PT.	2.00	2.05	4.10	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
GROWTH REGULATOR	PIX	PT.	0.50	12.11	6.06	_____
SCOUTING		ACRE	1.00	4.00	4.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	AC.	1.00	7.50	7.50	_____
MACHINERY REPAIR		AC.	1.00	20.46	20.46	_____
MACHINERY FUEL		AC.	1.00	5.09	5.09	_____
OPERATING CAPITAL	6 MONTHS	AC.	174.58	8.00%	6.99	_____
					TOTAL VARIABLE EXPENSES	181.57
					RETURN ABOVE VARIABLE EXPENSES	160.43
MACHINERY EXPENSES						
MACHINERY DEPRECIATION			1.00	25.19	25.19	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	9.00%	15.97	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	119.27
LABOR EXPENSES						
LABOR		HR.	1.34	5.25	7.03	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	112.24

--- 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. COSTS FOR MATERIALS WILL BE AS FOLLOWS:
PLANT BUGS – 6% BIDRIN – 2 OZ. – \$1.00
BOLL WEEVILS – METHYL PARATHION – 1/2 PT. – \$.74
BOLL WORMS – POUNCE 3.2 E.C. – 4 OZ. – \$5.88
IF APPLIED BY AIRPLANE ADD \$3.50/ACRE/SPRAY.

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

**CORN – CONVENTIONAL TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	90.00	2.35	211.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	20 THOUSAND SEEDS	BAG	0.25	71.00	17.75	_____
FERTILIZER	N (UREA)	LB.	100.00	0.22	22.00	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL (3)						_____
BICEP	6#/GAL.	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	13.25	13.25	_____
MACHINERY FUEL		AC.	1.00	6.26	6.26	_____
OPERATING CAPITAL	6 MONTHS	AC.	106.23	8.00%	4.25	_____
INDEMNITY FUND		BU.	90.00	0.005	0.45	_____
					TOTAL VARIABLE EXPENSES	110.93
					RETURN ABOVE VARIABLE EXPENSES	100.57
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	24.38	24.38	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	14.58	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	61.62
LABOR EXPENSES						
LABOR		HR.	2.05	5.25	10.78	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	50.84

--- 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 18,000 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:

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

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS

JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**CORN – CONVENTIONAL TILLAGE, 120 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–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)	23 THOUSAND SEEDS	BAG	0.29	71.00	20.59	_____
FERTILIZER	N (UREA)	LB.	125.00	0.22	27.50	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL (3)						_____
BICEP	6#/GAL.	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	13.25	13.25	_____
MACHINERY FUEL		AC.	1.00	6.26	6.26	_____
OPERATING CAPITAL	6 MONTHS	AC.	114.57	8.00%	4.58	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
					TOTAL VARIABLE EXPENSES	119.75
					RETURN ABOVE VARIABLE EXPENSES	162.25
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	24.38	24.38	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	14.58	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	123.30
LABOR EXPENSES						
LABOR		HR.	2.05	5.25	10.78	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	112.52

--- 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 20,700 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:

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

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS

JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**CORN – CONVENTIONAL TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8–ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	90.00	2.35	211.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	20 THOUSAND SEEDS	BAG	0.25	71.00	17.75	_____
FERTILIZER	N (UREA)	LB.	100.00	0.22	22.00	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL (3)						_____
BICEP	6#/GAL.	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	11.98	11.98	_____
MACHINERY FUEL		AC.	1.00	4.99	4.99	_____
OPERATING CAPITAL	6 MONTHS	AC.	103.69	8.00%	4.15	_____
INDEMNITY FUND		BU.	90.00	0.005	0.45	_____
					TOTAL VARIABLE EXPENSES	108.29
					RETURN ABOVE VARIABLE EXPENSES	103.21
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.31	21.31	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	12.92	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	68.98
LABOR EXPENSES						
LABOR		HR.	1.20	5.25	6.28	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	62.70

--- 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 18,000 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:

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

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:

ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS

JIMMY C. CASTELLAW, 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)	23 THOUSAND SEEDS	BAG	0.29	71.00	20.59	_____
FERTILIZER	N (UREA)	LB.	125.00	0.22	27.50	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
LIME	AG LIMESTONE	TON	0.50	16.00	8.00	_____
WEED CONTROL (3)						_____
BICEP	6#/GAL.	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	11.98	11.98	_____
MACHINERY FUEL		AC.	1.00	4.99	4.99	_____
OPERATING CAPITAL	6 MONTHS	AC.	112.03	8.00%	4.48	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
					TOTAL VARIABLE EXPENSES	117.11
					RETURN ABOVE VARIABLE EXPENSES	164.89
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.31	21.31	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	12.92	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	130.66
LABOR EXPENSES						
LABOR		HR.	1.20	5.25	6.28	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	124.38

--- 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 20,700 PLANTS PER ACRE.

(3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

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JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**CORN – NO TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	90.00	2.35	211.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	20 THOUSAND SEEDS	BAG	0.25	71.00	17.75	_____
FERTILIZER	N (AN)	LB.	100.00	0.25	25.00	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
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	1.94	0.39	_____
PRE-EMERGE						
	BICEP	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	10.98	10.98	_____
MACHINERY FUEL		AC.	1.00	4.74	4.74	_____
OPERATING CAPITAL	6 MONTHS	AC.	111.62	8.00%	4.46	_____
INDEMNITY FUND		BU.	90.00	0.005	0.45	_____
TOTAL VARIABLE EXPENSES					116.53	_____
RETURN ABOVE VARIABLE EXPENSES					94.97	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.54	21.54	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	12.76	_____
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					60.68	_____
LABOR EXPENSES						
LABOR		HR.	1.50	5.25	7.89	_____
RETURNS TO LAND, MANAGEMENT, AND RISK					52.79	_____

--- 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 18,000 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

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JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**CORN – NO TILLAGE, 120 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–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)	23 THOUSAND SEEDS	BAG	0.29	71.00	20.59	_____
FERTILIZER	N (AN)	LB.	125.00	0.25	31.25	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
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	1.94	0.39	_____
PRE-EMERGE						
	BICEP	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	10.98	10.98	_____
MACHINERY FUEL		AC.	1.00	4.74	4.74	_____
OPERATING CAPITAL	6 MONTHS	AC.	120.71	8.00%	4.83	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
TOTAL VARIABLE EXPENSES					126.14	_____
RETURN ABOVE VARIABLE EXPENSES					155.86	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	21.54	21.54	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	12.76	_____
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					121.57	_____
LABOR EXPENSES						
LABOR		HR.	1.50	5.25	7.89	_____
RETURNS TO LAND, MANAGEMENT, AND RISK					113.68	_____

--- 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 20,700 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

PRODUCTION INFORMATION FOR THIS BUDGET APPROVED BY:

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 ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
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 JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

**CORN – NO TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8–ROW EQUIPMENT)**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	90.00	2.35	211.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	20 THOUSAND SEEDS	BAG	0.25	71.00	17.75	_____
FERTILIZER	N (AN)	LB.	100.00	0.25	25.00	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
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	1.94	0.39	_____
PRE-EMERGE						
	BICEP	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	8.14	8.14	_____
MACHINERY FUEL		AC.	1.00	3.17	3.17	_____
OPERATING CAPITAL	6 MONTHS	AC.	107.21	8.00%	4.29	_____
INDEMNITY FUND		BU.	90.00	0.005	0.45	_____
					TOTAL VARIABLE EXPENSES	111.95
					RETURN ABOVE VARIABLE EXPENSES	99.55
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	16.05	16.05	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	9.53	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	73.97
LABOR EXPENSES						
LABOR		HR.	0.76	5.25	3.99	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	69.98

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

FOOTNOTES

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**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)	23 THOUSAND SEEDS	BAG	0.29	71.00	20.59	_____
FERTILIZER	N (AN)	LB.	125.00	0.25	31.25	_____
	P2O5	LB.	50.00	0.23	11.50	_____
	K2O	LB.	50.00	0.15	7.50	_____
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	1.94	0.39	_____
PRE-EMERGE	BICEP	QT.	2.40	8.32	19.97	_____
MACHINERY REPAIR		AC.	1.00	8.14	8.14	_____
MACHINERY FUEL		AC.	1.00	3.17	3.17	_____
OPERATING CAPITAL	6 MONTHS	AC.	116.30	8.00%	4.65	_____
INDEMNITY FUND		BU.	120.00	0.005	0.60	_____
					TOTAL VARIABLE EXPENSES	121.55
					RETURN ABOVE VARIABLE EXPENSES	160.45
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	16.05	16.05	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	9.53	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	134.87
LABOR EXPENSES						
LABOR		HR.	0.76	5.25	3.99	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	130.88

--- 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 20,700 PLANTS PER ACRE.
- (3) IF JOHNSON GRASS IS A PROBLEM USE ACCENT OR BEACON, WHICH WOULD INCREASE HERBICIDE COSTS APPROXIMATELY \$18 PER ACRE. COULD ADD .4 POUNDS ACTIVE INGREDIENTS OF ATRAZINE ON NON HIGHLY ERODIBLE SOILS.

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JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

SOYBEANS – CONVENTIONAL TILLAGE – 36" ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.029	-0.87	_____
VARIABLE EXPENSES						
SEED	8–10 PLANTS/FT.	LB.	40.00	0.15	6.00	_____
SEED TREATMENT	VITAVAX–M	BU.	0.66	1.90	1.25	_____
FERTILIZER	P2O5	LB.	20.00	0.23	4.60	_____
	K2O	LB.	40.00	0.15	6.00	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	16.00	12.00	_____
WEED CONTROL (1)						
PRE–PLANT						
	TREFLAN 4#/GAL.	PT.	1.50	4.12	6.18	_____
POST–EMERGE						
	STORM	PT.	1.50	8.43	12.65	_____
MACHINERY REPAIR		AC.	1.00	13.11	13.11	_____
MACHINERY FUEL		AC.	1.00	6.47	6.47	_____
OPERATING CAPITAL	6 MONTHS	AC.	68.26	8.00%	2.73	_____
INDEMNITY FUND		BU.	30.00	0.01	0.30	_____
					TOTAL VARIABLE EXPENSES	71.29
					RETURN ABOVE VARIABLE EXPENSES	101.84
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	22.20	22.20	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	13.49	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	66.15
LABOR EXPENSES						
LABOR		HR.	2.29	5.25	12.02	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	54.13

FOOTNOTES

(1) IF JOHNSONGRASS IS A PROBLEM THEN USE FUSILADE, SELECT, OR ASSURE.
 COSTS WOULD INCREASE ABOUT \$12/ACRE.

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SOYBEANS – CONVENTIONAL TILLAGE – 36" ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
				(\$)	(\$)	
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.029	-0.87	_____
VARIABLE EXPENSES						
SEED	8-10 PLANTS/FT.	LB.	40.00	0.15	6.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.66	1.90	1.25	_____
FERTILIZER	P2O5	LB.	20.00	0.23	4.60	_____
	K2O	LB.	40.00	0.15	6.00	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	16.00	12.00	_____
WEED CONTROL (1)						
PRE-PLANT						
	TREFLAN 4#/GAL.	PT.	1.50	4.12	6.18	_____
POST-EMERGE						
	STORM	PT.	1.50	8.43	12.65	_____
MACHINERY REPAIR		AC.	1.00	11.06	11.06	_____
MACHINERY FUEL		AC.	1.00	4.93	4.93	_____
OPERATING CAPITAL	6 MONTHS	AC.	64.67	8.00%	2.59	_____
INDEMNITY FUND		BU	30.00	0.01	0.30	_____
					TOTAL VARIABLE EXPENSES	67.26
					RETURN ABOVE VARIABLE EXPENSES	105.87
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	18.39	18.39	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	11.29	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	76.19
LABOR EXPENSES						
LABOR		HR.	1.22	5.25	6.42	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	69.77

FOOTNOTES

(1) IF JOHNSONGRASS IS A PROBLEM THEN USE FUSILADE, SELECT, OR ASSURE.
 COSTS WOULD INCREASE ABOUT \$12/ACRE.

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SOYBEANS – NO TILLAGE – 20" ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.029	-0.87	_____
VARIABLE EXPENSES (4)						
SEED	6–8 PLANTS/FT.	LB.	50.00	0.15	7.50	_____
SEED TREATMENT	VITAVAX–M	BU.	0.83	1.90	1.58	_____
FERTILIZER	P2O5	LB.	20.00	0.23	4.60	_____
	K2O	LB.	40.00	0.15	6.00	_____
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	7.62	7.62	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
POST–EMERGE						_____
	STORM	PT.	1.50	8.43	12.65	_____
MACHINERY REPAIR		AC.	1.00	8.49	8.49	_____
MACHINERY FUEL		AC.	1.00	3.76	3.76	_____
OPERATING CAPITAL	6 MONTHS	AC.	70.38	8.00%	2.82	_____
INDEMNITY FUND		BU.	30.00	0.01	0.30	_____
TOTAL VARIABLE EXPENSES					73.50	_____
RETURN ABOVE VARIABLE EXPENSES					99.63	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	16.40	16.40	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	9.77	_____
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					73.45	_____
LABOR EXPENSES						
LABOR		HR.	1.13	5.25	5.94	_____
RETURNS TO LAND, MANAGEMENT, AND RISK					67.51	_____

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 OR BRONCO.
- (3) IF POAST OR FUSILADE IS USED FOR GRASSES ADD \$18/\$20/ACRE.
- (4) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.

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JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

SOYBEANS – NO TILLAGE – 20" ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8–ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30.00	-0.029	-0.87	_____
VARIABLE EXPENSES (4)						
SEED	6–8 PLANTS/FT.	LB.	50.00	0.15	7.50	_____
SEED TREATMENT	VITAVAX–M	BU.	0.83	1.90	1.58	_____
FERTILIZER	P2O5	LB.	20.00	0.23	4.60	_____
	K2O	LB.	40.00	0.15	6.00	_____
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	7.62	7.62	_____
	SURFACTANT	QT.	0.20	1.94	0.39	_____
POST–EMERGE						
	STORM	PT.	1.50	8.43	12.65	_____
MACHINERY REPAIR		AC.	1.00	6.78	6.78	_____
MACHINERY FUEL		AC.	1.00	2.94	2.94	_____
OPERATING CAPITAL	6 MONTHS	AC.	67.85	8.00%	2.71	_____
INDEMNITY FUND		BU.	30.00	0.01	0.30	_____
TOTAL VARIABLE EXPENSES					70.86	_____
RETURN ABOVE VARIABLE EXPENSES					102.27	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	12.84	12.84	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	7.73	_____
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					81.70	_____
LABOR EXPENSES						
LABOR		HR.	0.66	5.25	3.45	_____
RETURNS TO LAND, MANAGEMENT, AND RISK					78.25	_____

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 OR BRONCO.
- (3) IF POAST OR FUSILADE IS USED FOR GRASSES ADD \$18/\$20/ACRE.
- (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:

ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS

JIMMY C. CASTELLAW, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

WHEAT
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4-RW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
WHEAT(1)	GRAIN	BU.	50.00	2.90	145.00	_____
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
FERTILIZER	N (AN)	LB.	80.00	0.25	20.00	_____
	P2O5	LB.	40.00	0.23	9.20	_____
	K2O	LB.	20.00	0.15	3.00	_____
LIME		TON	0.40	16.00	6.40	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.25	5.63	_____
FUNGICIDE	TILT	OZ.	4.00	2.54	10.16	_____
MACHINERY REPAIR		AC.	1.00	9.15	9.15	_____
MACHINERY FUEL		AC.	1.00	4.60	4.60	_____
OPERATING CAPITAL	6 MONTHS	AC.	80.52	8.00%	3.22	_____
INDEMNITY FUND		BU.	50.00	0.005	0.25	_____
				TOTAL VARIABLE EXPENSES	83.99	_____
				RETURN ABOVE VARIABLE EXPENSES	61.01	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	17.57	17.57	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	10.68	_____
				RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	32.76	_____
LABOR EXPENSES						
LABOR		HR.	1.67	5.25	8.74	_____
				RETURNS TO LAND, MANAGEMENT, AND RISK	24.02	_____

--- 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:

ESTEL H. HUDSON, PROFESSOR, EXTENSION AGRICULTURAL ECONOMICS

JAMES H. LOOFT, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

WHEAT
ESTIMATED RETURNS AND EXPENSES PER ACRE, (8-ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
WHEAT(1)	GRAIN	BU.	50.00	2.90	145.00	_____
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
FERTILIZER	N (AN)	LB.	80.00	0.25	20.00	_____
	P2O5	LB.	40.00	0.23	9.20	_____
	K2O	LB.	20.00	0.15	3.00	_____
LIME		TON	0.40	16.00	6.40	_____
HERBICIDE	HARMONY-EXTRA	OZ.	0.50	11.25	5.63	_____
FUNGICIDE	TILT	OZ.	4.00	2.54	10.16	_____
MACHINERY REPAIR		AC.	1.00	8.97	8.97	_____
MACHINERY FUEL		AC.	1.00	3.60	3.60	_____
OPERATING CAPITAL	6 MONTHS	AC.	79.34	8.00%	3.17	_____
INDEMNITY FUND		BU.	50.00	0.005	0.25	_____
					TOTAL VARIABLE EXPENSES	82.76
					RETURN ABOVE VARIABLE EXPENSES	62.24
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	15.64	15.64	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	9.92	_____
					RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK	36.68
LABOR EXPENSES						
LABOR		HR.	1.06	5.25	5.58	_____
					RETURNS TO LAND, MANAGEMENT, AND RISK	31.10

--- 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.

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 JAMES H. LOOFT, ASSOCIATE AREA SPECIALIST, FARM MANAGEMENT

WHEAT – SOYBEANS – NO TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE, (4–ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
WHEAT	GRAIN	BU.	50.00	2.90	145.00	___
SOYBEANS	BEANS	BU.	28.00	5.80	162.40	___
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	28.00	-0.029	-0.81	___
TOTAL REVENUE					306.59	___
VARIABLE EXPENSES						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	___
SEED	SOYBEANS	LB.	50.00	0.15	7.50	___
INOCULATION	VITAVAX M	BU.	0.83	1.90	1.58	___
FERTILIZER	N(AN)	LB.	80.00	0.25	20.00	___
	P205	LB.	60.00	0.23	13.80	___
	K20	LB.	60.00	0.15	9.00	___
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	7.62	7.62	___
	SURFACTANT(2)	AC.	0.20	1.94	0.39	___
POST-EMERGE						
	STORM	PT.	1.50	8.43	12.65	___
HERBICIDE – WHEAT	HARMONY EXTRA	OZ.	0.50	11.25	5.63	___
FUNGICIDE – WHEAT	TILT	OZ.	4.00	2.54	10.16	___
MACHINERY REPAIR		AC.	1.00	13.90	13.90	___
MACHINERY FUEL		AC.	1.00	5.06	5.06	___
OPERATING CAPITAL	6 MONTHS	AC.	137.46	8.00%	5.50	___
INDEMNITY FUND	SOYBEANS	BU.	28.00	0.01	0.28	___
INDEMNITY FUND	WHEAT	BU.	50.00	0.005	0.25	___
TOTAL VARIABLE EXPENSES					143.49	___
RETURN ABOVE VARIABLE EXPENSES					163.10	___
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	35.19	35.19	___
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	21.30	___
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					106.61	___
LABOR EXPENSES						
LABOR		HR.	3.08	5.25	16.19	___
RETURNS TO LAND, MANAGEMENT, AND RISK					90.42	___

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:

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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.	50.00	2.90	145.00	_____
SOYBEANS	BEANS	BU.	28.00	5.80	162.40	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	28.00	-0.029	<u>-0.81</u>	_____
TOTAL REVENUE					306.59	_____
VARIABLE EXPENSES						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
SEED	SOYBEANS	LB.	50.00	0.15	7.50	_____
INOCULATION	VITAVAX M	BU.	0.83	1.90	1.58	_____
FERTILIZER	N(AN)	LB.	80.00	0.25	20.00	_____
	P205	LB.	60.00	0.23	13.80	_____
	K20	LB.	60.00	0.15	9.00	_____
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	7.62	7.62	_____
	SURFACTANT(2)	AC.	0.20	1.94	0.39	_____
POST-EMERGE						
	STORM	PT.	1.50	8.43	12.65	_____
HERBICIDE – WHEAT	HARMONY EXTRA	OZ.	0.50	11.25	5.63	_____
FUNGICIDE – WHEAT	TILT	OZ.	4.00	2.54	10.16	_____
MACHINERY REPAIR		AC.	1.00	16.02	16.02	_____
MACHINERY FUEL		AC.	1.00	7.38	7.38	_____
OPERATING CAPITAL	6 MONTHS	AC.	141.90	8.00%	5.68	_____
INDEMNITY FUND	SOYBEANS	BU.	28.00	0.01	0.28	_____
INDEMNITY FUND	WHEAT	BU.	50.00	0.005	<u>0.25</u>	_____
TOTAL VARIABLE EXPENSES					147.58	_____
RETURN ABOVE VARIABLE EXPENSES					159.01	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1.00	28.91	28.91	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1.00	8.00%	<u>17.94</u>	_____
RETURNS TO LAND, LABOR, MANAGEMENT, AND RISK					112.17	_____
LABOR EXPENSES						
LABOR		HR.	1.74	5.25	<u>9.14</u>	_____
RETURNS TO LAND, MANAGEMENT, AND RISK					103.03	_____

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.

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