

AGRICULTURAL EXTENSION SERVICE



THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

AE 01- 43

**FIELD CROP
BUDGETS
FOR 2001**

Agricultural Economics

Agricultural Extension Service

University of Tennessee

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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, Charles L. Norman, Dean

**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 | 2.00 | 240.00 | |
| VARIABLE EXPENSES | | | | | | |
| SEED KERNELS(2) | 24 THOUSAND SEEDS | BAG | 0.30 | 82.00 | 24.60 | |
| FERTILIZER | N (UREA) | LB. | 125.00 | 0.21 | 26.25 | |
| | P2O5 | LB. | 50.00 | 0.16 | 8.00 | |
| | K2O | LB. | 50.00 | 0.12 | 6.00 | |
| LIME | AG LIMESTONE | TON | 0.60 | 19.00 | 11.40 | |
| WEED CONTROL(3) | | | | | | |
| BICEP II MAGNUM | 5.5#/GAL. | QT. | 2.10 | 9.22 | 19.36 | |
| MACHINERY REPAIR | | AC. | 1.00 | 13.00 | 13.00 | |
| MACHINERY FUEL | | AC. | 1.00 | 8.50 | 8.50 | |
| OPERATING CAPITAL | 6 MONTHS | AC. | 117.11 | 9.00% | 5.27 | |
| INDEMNITY FUND | | BU. | 120.00 | 0.005 | 0.60 | |
| | | | | | TOTAL VARIABLE EXPENSES | 122.98 |
| | | | | | RETURN ABOVE VARIABLE EXPENSES | 117.02 |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 22.04 | 22.04 | |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 11.19 | 11.19 | |
| | | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 83.79 |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.12 | 7.75 | 8.70 | |
| | | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 75.09 |

-- 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 .37 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:
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 |
|---------------------------|--------------------|------|----------|--|---------------|-----------|
| REVENUE | | | | | | |
| CORN(1) | GRAIN | BU. | 150.00 | 2.00 | 300.00 | |
| VARIABLE EXPENSES | | | | | | |
| SEED KERNELS(2) | 26 THOUSAND SEEDS | BAG | 0.325 | 82.00 | 26.65 | |
| FERTILIZER | N (UREA) | LB. | 170.00 | 0.21 | 35.70 | |
| | P2O5 | LB. | 70.00 | 0.16 | 11.20 | |
| | K2O | LB. | 70.00 | 0.12 | 8.40 | |
| LIME | AG LIMESTONE | TON | 0.75 | 19.00 | 14.25 | |
| WEED CONTROL(3) | | | | | | |
| BICEP II MAGNUM | 5.5#/GAL. | QT. | 2.10 | 9.22 | 19.36 | |
| MACHINERY REPAIR | | AC. | 1.00 | 13.00 | 13.00 | |
| MACHINERY FUEL | | AC. | 1.00 | 8.50 | 8.50 | |
| OPERATING CAPITAL | 6 MONTHS | AC. | 137.06 | 9.00% | 6.17 | |
| INDEMNITY FUND | | BU. | 150.00 | 0.005 | 0.75 | |
| | | | | TOTAL VARIABLE EXPENSES | 143.98 | |
| | | | | RETURN ABOVE VARIABLE EXPENSES | 156.02 | |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 22.04 | 22.04 | |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 11.19 | 11.19 | |
| | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 122.79 | |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.12 | 7.75 | 8.70 | |
| | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 114.09 | |

-- 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 .37 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:
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 |
|-----------------------------|-----------------------|------|----------|--|----------------|--------------|
| REVENUE | | | | | | |
| CORN(1) | GRAIN | BU. | 120.00 | 2.00 | 240.00 | |
| VARIABLE EXPENSES | | | | | | |
| SEED KERNELS(2) | 24 THOUSAND SEEDS | BAG | 0.30 | 82.00 | 24.60 | |
| FERTILIZER | N (UREA) | LB. | 125.00 | 0.21 | 26.25 | |
| | P2O5 | LB. | 50.00 | 0.16 | 8.00 | |
| | K2O | LB. | 50.00 | 0.12 | 6.00 | |
| LIME | AG LIMESTONE | TON | 0.60 | 19.00 | 11.40 | |
| WEED CONTROL(3) BURNDOWN | | | | | | |
| | GRAMOXONE EXTRA | PT. | 1.50 | 3.56 | 5.34 | |
| | SURFACTANT (80% ACT.) | QT. | 0.20 | 2.35 | 0.47 | |
| PRE-EMERGE | | | | | | |
| | BICEP II MAGNUM | QT. | 2.10 | 9.22 | 19.36 | |
| | ATRAZINE | OZ. | 5.92 | 0.08 | 0.47 | |
| MACHINERY REPAIR | | AC. | 1.00 | 10.60 | 10.60 | |
| MACHINERY FUEL | | AC. | 1.00 | 5.48 | 5.48 | |
| OPERATING CAPITAL | 6 MONTHS | AC. | 117.98 | 9.00% | 5.31 | |
| INDEMNITY FUND | | BU. | 120.00 | 0.005 | 0.60 | |
| | | | | TOTAL VARIABLE EXPENSES | 123.89 | |
| | | | | RETURN ABOVE VARIABLE EXPENSES | 116.11 | |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 19.43 | 19.43 | |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 9.10 | 9.10 | |
| | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 87.58 | |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 0.84 | 7.75 | 6.49 | |
| | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 81.09 | |

--- 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

**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 | 5.40 | 216.00 | _____ |
| REVENUE ADJUSTMENT | SPARC ASSESSMENT | BU. | 40.00 | -0.027 | -1.08 | _____ |
| VARIABLE EXPENSES (4) | | | | | | |
| SEED | 6-8 PLANTS/FT. | LB. | 50.00 | 0.28 | 14.00 | _____ |
| SEED TREATMENT | VITAVAX-M | BU. | 0.83 | 2.62 | 2.17 | _____ |
| FERTILIZER | P2O5 | LB. | 20.00 | 0.16 | 3.20 | _____ |
| | K2O | LB. | 40.00 | 0.12 | 4.80 | _____ |
| LIME | 2 TONS EVERY 4 YRS. | TON | 0.50 | 19.00 | 9.50 | _____ |
| WEED CONTROL (1) (3) | | | | | | _____ |
| PRE-EMERGE (2) | GRAMOXONE EXTRA | PT. | 1.50 | 3.56 | 5.34 | _____ |
| | PROWL + | QT. | 1.00 | 5.62 | 5.62 | _____ |
| | SURFACTANT | QT. | 0.20 | 2.35 | 0.47 | _____ |
| | CANOPY | OZ. | 4.00 | 2.75 | 11.00 | _____ |
| POST-EMERGE | STORM | PT. | 1.50 | 9.54 | 14.31 | _____ |
| MACHINERY REPAIR | | AC. | 1.00 | 9.56 | 9.56 | _____ |
| MACHINERY FUEL | | AC. | 1.00 | 6.16 | 6.16 | _____ |
| OPERATING CAPITAL | 6 MONTHS | AC. | 86.13 | 9.00% | 3.88 | _____ |
| INDEMNITY FUND | | BU. | 40.00 | 0.01 | 0.40 | _____ |
| | | | | TOTAL VARIABLE EXPENSES | 90.41 | _____ |
| | | | | RETURN ABOVE VARIABLE EXPENSES | 124.51 | _____ |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 16.45 | 16.45 | _____ |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 8.48 | 8.48 | _____ |
| | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 99.57 | _____ |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 0.82 | 7.75 | 6.32 | _____ |
| | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 93.25 | _____ |

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

FOOTNOTES

- (1) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. USE 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 JOHNSON GRASS IS A PROBLEM USE ROUNDUP ULTRA OR TOUCHDOWN.
- (3) IF SELECT USED FOR RHYZOME JOHNSON GRASS ADD IN APPROPRIATE COST.
- (4) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.

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 |
|------------------------------|---------------------|------|----------|---------------|--|---------------|
| REVENUE | | | | | | |
| SOYBEANS | BEANS | BU. | 40.00 | 5.40 | 216.00 | _____ |
| REVENUE ADJUSTMENT | SPARC ASSESSMENT | BU. | 40.00 | -0.027 | -1.08 | _____ |
| VARIABLE EXPENSES (1) | | | | | | |
| SEED | 6-8 PLANTS/FT. | LB. | 50.00 | 0.36 | 18.00 | _____ |
| SEED TREATMENT | VITAVAX-M | BU. | 0.83 | 2.62 | 2.17 | _____ |
| TECHNOLOGY FEE | | LB. | 50.00 | 0.13 | 6.50 | _____ |
| FERTILIZER | P2O5 | LB. | 20.00 | 0.16 | 3.20 | _____ |
| | K2O | LB. | 40.00 | 0.12 | 4.80 | _____ |
| LIME | 2 TONS EVERY 4 YRS. | TON | 0.50 | 19.00 | 9.50 | _____ |
| WEED CONTROL (2) | | | | | | _____ |
| BURNDOWN (3) | ROUNDUP ULTRA | PT. | 2.00 | 4.75 | 9.50 | _____ |
| POST-EMERGE | ROUNDUP ULTRA | PT. | 1.50 | 4.75 | 7.13 | _____ |
| POST-EMERGE | ROUNDUP ULTRA | PT. | 1.00 | 4.75 | 4.75 | _____ |
| MACHINERY REPAIR | | AC. | 1.00 | 10.08 | 10.08 | _____ |
| MACHINERY FUEL | | AC. | 1.00 | 6.79 | 6.79 | _____ |
| OPERATING CAPITAL | 6 MONTHS | AC. | 82.42 | 9.00% | 3.71 | _____ |
| INDEMNITY FUND | | BU. | 40.00 | 0.01 | 0.40 | _____ |
| | | | | | TOTAL VARIABLE EXPENSES | 86.53 |
| | | | | | RETURN ABOVE VARIABLE EXPENSES | 128.39 |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 17.02 | 17.02 | _____ |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 8.92 | 8.92 | _____ |
| | | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 102.45 |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 0.90 | 7.75 | 6.95 | _____ |
| | | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 95.50 |

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

FOOTNOTES

- (1) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL COSTS FOR CHEMICAL OR LAND PREPARATION.
- (2) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT. (FOR HEAVY INFESTATIONS, USE TWO PINTS OF GRAMOXONE EXTRA).
- (3) FOR AN ALTERNATE CONTROL, USE GRAMOXONE EXTRA (1.5 PTS., COST OF \$5.04/ACRE) PLUS A SURFACTANT (\$0.48/ACRE), AND PROWL (2.0 PTS., COST OF \$6.04/ACRE), DEPENDING ON WEED SPECIES -
SEE PB1580, "2001 WEED CONTROL MANUAL FOR TENNESSEE", PAGE 6.

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 |
|---------------------------|--------------------|------|----------|------------|--------------|-----------|
| REVENUE | | | | | | |
| WHEAT(1) | GRAIN | BU. | 45.00 | 2.70 | 121.50 | |
| VARIABLE EXPENSES | | | | | | |
| SEED | TREATED/FUNGICIDE | BU. | 1.50 | 10.00 | 15.00 | |
| FERTILIZER | N (AN) | LB. | 80.00 | 0.25 | 20.00 | |
| | P2O5 | LB. | 40.00 | 0.16 | 6.40 | |
| | K2O | LB. | 20.00 | 0.12 | 2.40 | |
| LIME | | TON | 0.40 | 19.00 | 7.60 | |
| HERBICIDE | HARMONY-EXTRA | OZ. | 0.50 | 11.40 | 5.70 | |
| FUNGICIDE | TILT | OZ. | 4.00 | 2.38 | 9.52 | |
| MACHINERY REPAIR | | AC. | 1.00 | 11.83 | 11.83 | |
| MACHINERY FUEL | | AC. | 1.00 | 8.57 | 8.57 | |
| OPERATING CAPITAL | 8 MONTHS | AC. | 87.02 | 9.00% | 5.22 | |
| INDEMNITY FUND | | BU. | 45.00 | 0.005 | 0.23 | |
| | | | | | 92.47 | |
| | | | | | 29.03 | |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 19.21 | 19.21 | |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 10.63 | 10.63 | |
| | | | | | -0.81 | |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.13 | 7.75 | 8.75 | |
| | | | | | -9.56 | |

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

FOOTNOTES

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

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 |
|---------------------------|--------------------|------|----------|------------|---|-----------|
| REVENUE | | | | | | |
| WHEAT(1) | GRAIN | BU. | 60.00 | 2.70 | 162.00 | |
| VARIABLE EXPENSES | | | | | | |
| SEED | TREATED/FUNGICIDE | BU. | 2.00 | 10.00 | 20.00 | |
| FERTILIZER | N (AN) | LB. | 80.00 | 0.25 | 20.00 | |
| | P2O5 | LB. | 40.00 | 0.16 | 6.40 | |
| | K2O | LB. | 20.00 | 0.12 | 2.40 | |
| LIME | | TON | 0.40 | 19.00 | 7.60 | |
| HERBICIDE | HARMONY-EXTRA | OZ. | 0.50 | 11.40 | 5.70 | |
| FUNGICIDE | TLT | OZ. | 4.00 | 2.38 | 9.52 | |
| MACHINERY REPAIR | | AC. | 1.00 | 11.83 | 11.83 | |
| MACHINERY FUEL | | AC. | 1.00 | 8.57 | 8.57 | |
| OPERATING CAPITAL | 8 MONTHS | AC. | 92.02 | 9.00% | 5.52 | |
| INDEMNITY FUND | | BU. | 60.00 | 0.005 | 0.30 | |
| | | | | | TOTAL VARIABLE EXPENSES | 97.84 |
| | | | | | RETURN ABOVE VARIABLE EXPENSES | 64.16 |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 19.21 | 19.21 | |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 10.63 | 10.63 | |
| | | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 34.32 |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.13 | 7.75 | 8.75 | |
| | | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 25.57 |

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

FOOTNOTES

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

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 |
|---------------------------|---------------------|------|----------|------------|--|---------------|
| REVENUE | | | | | | |
| WHEAT | GRAIN | BU. | 45.00 | 2.70 | 121.50 | _____ |
| SOYBEANS | BEANS | BU. | 30.00 | 5.40 | 162.00 | _____ |
| REVENUE ADJUSTMENT | SPARC ASSESSMENT | BU. | 30.00 | -0.027 | -0.81 | _____ |
| | | | | | TOTAL REVENUE | 282.69 |
| VARIABLE EXPENSES | | | | | | |
| SEED, WHEAT | TREATED/FUNGICIDE | BU. | 1.50 | 10.00 | 15.00 | _____ |
| SEED | SOYBEANS | LB. | 50.00 | 0.28 | 14.00 | _____ |
| SEED TREATMENT | VITAVAX M | BU. | 0.83 | 2.62 | 2.17 | _____ |
| FERTILIZER | N(AN) | LB. | 80.00 | 0.25 | 20.00 | _____ |
| | P205 | LB. | 60.00 | 0.16 | 9.60 | _____ |
| | K20 | LB. | 60.00 | 0.12 | 7.20 | _____ |
| LIME | 3 TONS EVERY 4 YRS. | TON | 0.75 | 19.00 | 14.25 | _____ |
| WEED CONTROL(1) | | | | | | _____ |
| PRE-PLANT | | | | | | _____ |
| | GRAMOXONE EXTRA | PT. | 1.50 | 3.56 | 5.34 | _____ |
| | PROWL + | QT. | 1.00 | 5.62 | 5.62 | _____ |
| | SURFACTANT(2) | AC. | 0.20 | 2.35 | 0.47 | _____ |
| POST-EMERGE | | | | | | _____ |
| | STORM | PT. | 1.50 | 9.54 | 14.31 | _____ |
| HERBICIDE - WHEAT | HARMONY EXTRA | OZ. | 0.50 | 11.40 | 5.70 | _____ |
| FUNGICIDE - WHEAT | TILT | OZ. | 4.00 | 2.38 | 9.52 | _____ |
| MACHINERY REPAIR | | AC. | 1.00 | 20.85 | 20.85 | _____ |
| MACHINERY FUEL | | AC. | 1.00 | 13.61 | 13.61 | _____ |
| OPERATING CAPITAL | 8 MONTHS | AC. | 157.64 | 9.00% | 9.46 | _____ |
| INDEMNITY FUND | SOYBEANS | BU. | 30.00 | 0.01 | 0.30 | _____ |
| INDEMNITY FUND | WHEAT | BU. | 45.00 | 0.005 | 0.23 | _____ |
| | | | | | TOTAL VARIABLE EXPENSES | 167.63 |
| | | | | | RETURN ABOVE VARIABLE EXPENSES | 115.06 |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 35.40 | 35.40 | _____ |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 18.84 | 18.84 | _____ |
| | | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 60.82 |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.80 | 7.75 | 13.94 | _____ |
| | | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 46.88 |

-- 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) SURFACTANT APPLIED AT A RATE OF 2 QTS/100 GALLONS OF WATER.

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 |
|---------------------------|---------------------|------|---------------------------------------|------------|--|--------------|
| REVENUE | | | | | | |
| WHEAT | GRAIN | BU. | 45.00 | 2.70 | 121.50 | _____ |
| SOYBEANS | BEANS | BU. | 30.00 | 5.40 | 162.00 | _____ |
| REVENUE ADJUSTMENT | SPARC ASSESSMENT | BU. | 30.00 | -0.027 | -0.81 | _____ |
| | | | TOTAL REVENUE | | 282.69 | _____ |
| VARIABLE EXPENSES | | | | | | |
| SEED, WHEAT | TREATED/FUNGICIDE | BU. | 1.50 | 10.00 | 15.00 | _____ |
| SEED | SOYBEANS | LB. | 50.00 | 0.28 | 14.00 | _____ |
| SEED TREATMENT | VITAVAX M | BU. | 0.83 | 2.62 | 2.17 | _____ |
| TECHNOLOGY FEE | | LB. | 50.00 | 0.13 | 6.50 | _____ |
| FERTILIZER | N(AN) | LB. | 80.00 | 0.25 | 20.00 | _____ |
| | P205 | LB. | 60.00 | 0.16 | 9.60 | _____ |
| | K20 | LB. | 60.00 | 0.12 | 7.20 | _____ |
| LIME | 3 TONS EVERY 4 YRS. | TON | 0.75 | 19.00 | 14.25 | _____ |
| WEED CONTROL | | | | | | _____ |
| POST-EMERGE | | | | | | _____ |
| | ROUNDUP | PT. | 2.00 | 4.75 | 9.50 | _____ |
| | ROUNDUP | PT. | 1.00 | 4.75 | 4.75 | _____ |
| HERBICIDE - WHEAT | HARMONY EXTRA | OZ. | 0.50 | 11.40 | 5.70 | _____ |
| FUNGICIDE - WHEAT | TILT | OZ. | 4.00 | 2.38 | 9.52 | _____ |
| MACHINERY REPAIR | | AC. | 1.00 | 20.85 | 20.85 | _____ |
| MACHINERY FUEL | | AC. | 1.00 | 13.61 | 13.61 | _____ |
| OPERATING CAPITAL | 8 MONTHS | AC. | 152.65 | 9.00% | 9.16 | _____ |
| INDEMNITY FUND | SOYBEANS | BU. | 30.00 | 0.01 | 0.30 | _____ |
| INDEMNITY FUND | WHEAT | BU. | 45.00 | 0.005 | 0.23 | _____ |
| | | | TOTAL VARIABLE EXPENSES | | 162.34 | _____ |
| | | | RETURN ABOVE VARIABLE EXPENSES | | 120.35 | _____ |
| MACHINERY EXPENSES | | | | | | |
| MACHINERY DEPRECIATION | | AC. | 1.00 | 35.40 | 35.40 | _____ |
| INTEREST EXPENSE | MACHINERY & EQUIP. | AC. | 1.00 | 18.84 | 18.84 | _____ |
| | | | | | RETURN TO LAND, LABOR, MANAGEMENT, AND RISK | 66.11 |
| LABOR EXPENSES | | | | | | |
| LABOR | | HR. | 1.80 | 7.75 | 13.94 | _____ |
| | | | | | RETURN TO LAND, MANAGEMENT, AND RISK | 52.17 |

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

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