

University of Missouri Extension Southeast Missouri Crop Budgets 2016

This spreadsheet provides an estimate of the production costs and returns for the major row crops grown in Southeast Missouri for 2016. The enterprise budgets are designed to provide planning data for farmers, landowners, researchers, extension staff, agriculture lenders, and others in the agriculture business field.

In addition, at the bottom of each budget are two tables that estimate the returns to the variable and total costs at different yield and price scenarios.

The **Two Crop Decision Aid Worksheets** assist in making decisions on which crops to plant based on variable production costs and changes in yields and prices. **The Crop Decision Aid - Breakeven Worksheet** calculates the yield and price between two crops that give equal net returns. **Crop Decision Aid - Net Returns Worksheet** calculates the net return between two crops based on changes in yield and price.

The **Two Summary Worksheets** compare the economic returns of irrigated and non-irrigated crops. First develop a budget for each crop that will be in the analysis. Update crop yields and prices in rows 5 and 6.

Procedure to Use the Crop Decision Aid Worksheets

1. Develop a budget for each crop that will be in the analysis.
2. Select 2 Crops you want to compare from the scroll lists.
3. For Wheat (Double Crop) use Crop Option 2 and select the Double Crop from the scroll list.
4. Use the Scroll Bars to set the price and yield for each crop.
5. Use the tables to determine the price and yield or net returns to determine your planting decisions.

You may print and distribute the budgets.

I would appreciate it if you only distribute the unedited version of the spreadsheet.

To begin, simply select the crops below. At the bottom of each worksheet are three buttons to take you back to this introduction worksheet

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Crop Budgets

| | | | |
|--|--|---|---|
| Corn Non-GMO | Corn Non-GMO Irrigated | GMO Corn | GMO Corn Irrigated |
| Liberty Link Soybeans | Liberty Link Soybeans Irrigated | Roundup Ready Soybeans | Roundup Ready Soybeans Irrigated |
| Conventional Soybeans | Conventional Soybeans Irrigated | Grain Sorghum | Grain Sorghum Irrigated |
| Wheat | Popcorn | GMO Cotton | GMO Cotton Irrigated |
| Rice - Conventional | Rice - Clearfield | Rice - Hybrid | Rice - Hybrid Clearfield |
| No Till Double Crop Roundup Ready Soybeans | Irrigated No Till Double Crop Roundup Ready Soybeans | No Till Double Crop Conventional Soybeans | Irrigated No Till Double Crop Conventional Soybeans |
| No Till Double Crop Liberty Link Soybeans | Irrigated No Till Double Crop Liberty Link Soybeans | No Till Double Crop Grain Sorghum | Irrigated No Till Double Crop Grain Sorghum |
| Double Crop Southern Pea | Irrigated Double Crop Southern Pea | Crop Decision Aid - Breakeven Analysis | Crop Decision Aid - Net Returns |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Non-GMO Corn Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.325 | Bags | 210.00 | 68.25 | |
| Nitrogen | 165 | Pounds | 0.45 | 74.25 | |
| Phosphate | 70 | Pounds | 0.40 | 28.00 | |
| Potash | 45 | Pounds | 0.35 | 15.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | 0.00 | |
| Zinc | 0 | Pounds | 0.00 | 0.00 | |
| Sulfur | 0 | Pounds | 0.00 | 0.00 | |
| Boron | 0 | Pounds | 0.00 | 0.00 | |
| Pre-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Post-Emerge | 1 | Acre | 16.00 | 16.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 150 | Bushels | 0.12 | 18.00 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 17.00 | 17.00 | |
| Machinery Repairs | 1 | Acre | 17.00 | 17.00 | |
| Hauling & Transportation* | 150 | Bushels | 0.17 | 25.50 | |
| Labor | 1 | Acre | 35.00 | 35.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | 0.00 | |
| Irrigation Repairs | 0 | Acre | 10.00 | 0.00 | |
| Irrigation Labor | 0 | Acre | 4.00 | 0.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 12.38 | |
| Total Variable | | Acre | | \$ 425.13 | |
| Fixed Machinery Cost | 1 | Acre | 52.00 | 52.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 18.00 | 18.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | 0.00 | |
| Total (Excluding Land) | | Acre | | \$ 495.13 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 665.23 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100 | \$4.11 | \$4.81 | \$6.51 | 170 | \$2.53 | \$2.95 | \$3.95 |
| 110 | \$3.76 | \$4.40 | \$5.94 | 180 | \$2.41 | \$2.80 | \$3.74 |
| 120 | \$3.47 | \$4.05 | \$5.47 | 190 | \$2.30 | \$2.67 | \$3.56 |
| 130 | \$3.23 | \$3.76 | \$5.07 | 200 | \$2.20 | \$2.55 | \$3.40 |
| 140 | \$3.02 | \$3.52 | \$4.73 | 210 | \$2.11 | \$2.44 | \$3.25 |
| 150 | \$2.83 | \$3.30 | \$4.43 | 220 | \$2.02 | \$2.34 | \$3.12 |
| 160 | \$2.68 | \$3.11 | \$4.18 | 230 | \$1.95 | \$2.25 | \$2.99 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Center Pivot Irrigated Non-GMO Corn Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.4125 | Bags | 210.00 | 86.63 | |
| Nitrogen | 220 | Pounds | 0.45 | 99.00 | |
| Phosphate | 90 | Pounds | 0.40 | 36.00 | |
| Potash | 60 | Pounds | 0.35 | 21.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Post-Emerge | 1 | Acre | 16.00 | 16.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 200 | Bushels | 0.12 | 24.00 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 17.00 | 17.00 | |
| Machinery Repairs | 1 | Acre | 17.00 | 17.00 | |
| Hauling & Transportation* | 200 | Bushels | 0.17 | 34.00 | |
| Labor | 1 | Acre | 35.00 | 35.00 | |
| Irrigation Fuel (Acre Inches) | 12 | Acre | 2.00 | 24.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 15.65 | |
| Total Variable | | Acre | | \$ 537.27 | |
| Fixed Machinery Cost | 1 | Acre | 52.00 | 52.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 23.00 | 23.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 689.27 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 859.37 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 140 | \$3.71 | \$4.80 | \$6.01 | 210 | \$2.57 | \$3.30 | \$4.11 |
| 150 | \$3.49 | \$4.50 | \$5.63 | 220 | \$2.47 | \$3.16 | \$3.93 |
| 160 | \$3.29 | \$4.24 | \$5.30 | 230 | \$2.37 | \$3.03 | \$3.77 |
| 170 | \$3.11 | \$4.00 | \$5.00 | 240 | \$2.29 | \$2.92 | \$3.63 |
| 180 | \$2.95 | \$3.80 | \$4.74 | 250 | \$2.21 | \$2.82 | \$3.50 |
| 190 | \$2.81 | \$3.61 | \$4.51 | 260 | \$2.13 | \$2.72 | \$3.37 |
| 200 | \$2.69 | \$3.45 | \$4.30 | 270 | \$2.07 | \$2.63 | \$3.26 |

**University of Missouri Extension Southeast Missouri Crop Budget
2016 GMO Corn Budget**

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed | 0.325 | Bags | 310.00 | 100.75 | |
| Nitrogen | 165 | Pounds | 0.45 | 74.25 | |
| Phosphate | 70 | Pounds | 0.40 | 28.00 | |
| Potash | 45 | Pounds | 0.35 | 15.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 16.00 | 16.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 150 | Bushels | 0.12 | 18.00 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 17.00 | 17.00 | |
| Machinery Repairs | 1 | Acre | 17.00 | 17.00 | |
| Hauling & Transportation* | 150 | Bushels | 0.17 | 25.50 | |
| Labor | 1 | Acre | 35.00 | 35.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 12.97 | |
| Total Variable | | Acre | | \$ 445.22 | |
| Fixed Machinery Cost | 1 | Acre | 52.00 | 52.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 18.00 | 18.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 515.22 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 685.32 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100 | \$4.31 | \$5.01 | \$6.71 | 170 | \$2.65 | \$3.06 | \$4.07 |
| 110 | \$3.94 | \$4.58 | \$6.12 | 180 | \$2.52 | \$2.91 | \$3.86 |
| 120 | \$3.64 | \$4.22 | \$5.64 | 190 | \$2.40 | \$2.77 | \$3.67 |
| 130 | \$3.38 | \$3.92 | \$5.23 | 200 | \$2.30 | \$2.65 | \$3.50 |
| 140 | \$3.16 | \$3.66 | \$4.87 | 210 | \$2.20 | \$2.54 | \$3.35 |
| 150 | \$2.97 | \$3.43 | \$4.57 | 220 | \$2.12 | \$2.43 | \$3.21 |
| 160 | \$2.80 | \$3.24 | \$4.30 | 230 | \$2.04 | \$2.34 | \$3.08 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irrigated GMO Corn Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.4125 | Bags | 310.00 | 127.88 | |
| Nitrogen | 220 | Pounds | 0.45 | 99.00 | |
| Phosphate | 90 | Pounds | 0.40 | 36.00 | |
| Potash | 60 | Pounds | 0.35 | 21.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 16.00 | 16.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 200 | Bushels | 0.12 | 24.00 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 17.00 | 17.00 | |
| Machinery Repairs | 1 | Acre | 17.00 | 17.00 | |
| Hauling & Transportation* | 200 | Bushels | 0.17 | 34.00 | |
| Labor | 1 | Acre | 35.00 | 35.00 | |
| Irrigation Fuel (Acre Inches) | 12 | Acre | 2.00 | 24.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 16.50 | |
| Total Variable | | Acre | | \$ 566.37 | |
| Fixed Machinery Cost | 1 | Acre | 52.00 | 52.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 23.00 | 23.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 718.37 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 888.47 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 140 | \$3.92 | \$5.01 | \$6.22 | 210 | \$2.71 | \$3.43 | \$4.24 |
| 150 | \$3.68 | \$4.69 | \$5.83 | 220 | \$2.60 | \$3.29 | \$4.06 |
| 160 | \$3.47 | \$4.42 | \$5.48 | 230 | \$2.50 | \$3.16 | \$3.90 |
| 170 | \$3.28 | \$4.17 | \$5.18 | 240 | \$2.41 | \$3.04 | \$3.75 |
| 180 | \$3.11 | \$3.96 | \$4.90 | 250 | \$2.32 | \$2.93 | \$3.61 |
| 190 | \$2.97 | \$3.77 | \$4.66 | 260 | \$2.25 | \$2.83 | \$3.48 |
| 200 | \$2.83 | \$3.59 | \$4.44 | 270 | \$2.17 | \$2.74 | \$3.37 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Roundup Ready Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.1 | Bags | 62.00 | 68.20 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 25.00 | 25.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.73 | |
| Total Variable | | Acre | | \$ 265.33 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 306.33 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 476.43 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$13.05 | \$15.10 | \$23.61 | 55 | \$4.86 | \$5.60 | \$8.69 |
| 25 | \$10.48 | \$12.12 | \$18.92 | 60 | \$4.46 | \$5.15 | \$7.98 |
| 30 | \$8.76 | \$10.13 | \$15.80 | 65 | \$4.13 | \$4.77 | \$7.38 |
| 35 | \$7.53 | \$8.70 | \$13.56 | 70 | \$3.85 | \$4.44 | \$6.87 |
| 40 | \$6.61 | \$7.64 | \$11.89 | 75 | \$3.61 | \$4.15 | \$6.42 |
| 45 | \$5.90 | \$6.81 | \$10.59 | 80 | \$3.39 | \$3.90 | \$6.03 |
| 50 | \$5.32 | \$6.14 | \$9.55 | 85 | \$3.20 | \$3.68 | \$5.69 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irr. Roundup Ready Soybeans

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 62.00 | 74.40 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 45 | Pounds | 0.40 | 18.00 | |
| Potash | 80 | Pounds | 0.35 | 28.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 25.00 | 25.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 55 | Bushels | 0.17 | 9.35 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 9.08 | |
| Total Variable | | Acre | | \$ 311.83 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 8.00 | 8.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 430.83 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 600.93 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 30 | \$10.25 | \$14.22 | \$19.89 | 65 | \$4.82 | \$6.65 | \$9.27 |
| 35 | \$8.81 | \$12.21 | \$17.07 | 70 | \$4.49 | \$6.19 | \$8.62 |
| 40 | \$7.73 | \$10.71 | \$14.96 | 75 | \$4.20 | \$5.79 | \$8.06 |
| 45 | \$6.89 | \$9.54 | \$13.32 | 80 | \$3.95 | \$5.44 | \$7.56 |
| 50 | \$6.22 | \$8.60 | \$12.00 | 85 | \$3.73 | \$5.13 | \$7.13 |
| 55 | \$5.67 | \$7.83 | \$10.93 | 90 | \$3.53 | \$4.85 | \$6.74 |
| 60 | \$5.21 | \$7.19 | \$10.03 | 95 | \$3.35 | \$4.61 | \$6.40 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Liberty Link Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.1 | Bags | 58.00 | 63.80 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge - Liberty | 36 | Ounces | 0.60 | 21.60 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.49 | |
| Total Variable | | Acre | | \$ 257.29 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 298.29 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 468.39 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$12.65 | \$14.70 | \$23.21 | 55 | \$4.71 | \$5.45 | \$8.55 |
| 25 | \$10.16 | \$11.80 | \$18.60 | 60 | \$4.33 | \$5.01 | \$7.85 |
| 30 | \$8.49 | \$9.86 | \$15.53 | 65 | \$4.01 | \$4.64 | \$7.26 |
| 35 | \$7.30 | \$8.47 | \$13.33 | 70 | \$3.74 | \$4.32 | \$6.75 |
| 40 | \$6.41 | \$7.44 | \$11.69 | 75 | \$3.50 | \$4.05 | \$6.31 |
| 45 | \$5.72 | \$6.63 | \$10.41 | 80 | \$3.29 | \$3.80 | \$5.93 |
| 50 | \$5.16 | \$5.98 | \$9.38 | 85 | \$3.11 | \$3.59 | \$5.59 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Center Pivot Irr. Liberty Link Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 58.00 | 69.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 45 | Pounds | 0.40 | 18.00 | |
| Potash | 80 | Pounds | 0.35 | 28.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge - Liberty | 36 | Ounces | 0.60 | 21.60 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 55 | Bushels | 0.17 | 9.35 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 8.84 | |
| Total Variable | | Acre | | \$ 303.39 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 8.00 | 8.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 422.39 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 592.49 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$14.87 | \$20.82 | \$29.33 | 55 | \$5.52 | \$7.68 | \$10.77 |
| 25 | \$11.93 | \$16.69 | \$23.50 | 60 | \$5.07 | \$7.05 | \$9.89 |
| 30 | \$9.97 | \$13.94 | \$19.61 | 65 | \$4.69 | \$6.52 | \$9.14 |
| 35 | \$8.57 | \$11.97 | \$16.83 | 70 | \$4.37 | \$6.07 | \$8.50 |
| 40 | \$7.52 | \$10.50 | \$14.75 | 75 | \$4.09 | \$5.68 | \$7.95 |
| 45 | \$6.70 | \$9.35 | \$13.13 | 80 | \$3.85 | \$5.33 | \$7.46 |
| 50 | \$6.05 | \$8.43 | \$11.83 | 85 | \$3.63 | \$5.03 | \$7.03 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Conventional Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.1 | Bags | 43.00 | 47.30 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.01 | |
| Total Variable | | Acre | | \$ 240.71 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 281.71 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 451.81 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$11.82 | \$13.87 | \$22.38 | 55 | \$4.41 | \$5.15 | \$8.25 |
| 25 | \$9.49 | \$11.13 | \$17.94 | 60 | \$4.05 | \$4.74 | \$7.57 |
| 30 | \$7.94 | \$9.31 | \$14.98 | 65 | \$3.76 | \$4.39 | \$7.00 |
| 35 | \$6.83 | \$8.00 | \$12.86 | 70 | \$3.50 | \$4.09 | \$6.52 |
| 40 | \$6.00 | \$7.02 | \$11.27 | 75 | \$3.28 | \$3.82 | \$6.09 |
| 45 | \$5.35 | \$6.26 | \$10.04 | 80 | \$3.08 | \$3.60 | \$5.72 |
| 50 | \$4.83 | \$5.65 | \$9.05 | 85 | \$2.91 | \$3.39 | \$5.40 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Center Pivot Irr. Conventional Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 43.00 | 51.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 45 | Pounds | 0.40 | 18.00 | |
| Potash | 80 | Pounds | 0.35 | 28.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 0 | Quarts | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 5.00 | 5.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 55 | Bushels | 0.17 | 9.35 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 8.31 | |
| Total Variable | | Acre | | \$ 285.26 | |
| Fixed Machinery Cost | 1 | Acre | 34.00 | 34.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 8.00 | 8.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 404.26 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 574.36 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$13.97 | \$19.92 | \$28.42 | 55 | \$5.19 | \$7.35 | \$10.44 |
| 25 | \$11.21 | \$15.97 | \$22.77 | 60 | \$4.77 | \$6.75 | \$9.59 |
| 30 | \$9.37 | \$13.33 | \$19.00 | 65 | \$4.41 | \$6.25 | \$8.86 |
| 35 | \$8.05 | \$11.45 | \$16.31 | 70 | \$4.11 | \$5.81 | \$8.24 |
| 40 | \$7.07 | \$10.04 | \$14.30 | 75 | \$3.85 | \$5.44 | \$7.70 |
| 45 | \$6.30 | \$8.95 | \$12.73 | 80 | \$3.62 | \$5.11 | \$7.23 |
| 50 | \$5.69 | \$8.07 | \$11.47 | 85 | \$3.42 | \$4.82 | \$6.82 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Grain Sorghum Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.16 | Bags | 125.00 | 20.00 | |
| Nitrogen | 125 | Pounds | 0.45 | 56.25 | |
| Phosphate | 60 | Pounds | 0.40 | 24.00 | |
| Potash | 40 | Pounds | 0.35 | 14.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 26.00 | 26.00 | |
| Post-Emerge | 1 | Acre | 3.00 | 3.00 | |
| Fungicide | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 25.00 | 25.00 | |
| Drying Fuel & Electricity* | 110 | Bushels | 0.12 | 13.20 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 16.00 | 16.00 | |
| Machinery Repairs | 1 | Acre | 16.00 | 16.00 | |
| Hauling & Transportation* | 110 | Bushels | 0.17 | 18.70 | |
| Labor | 1 | Acre | 33.00 | 33.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 9.44 | |
| Total Variable | | Acre | | \$ 324.09 | |
| Fixed Machinery Cost | 1 | Acre | 48.00 | 48.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 17.00 | 17.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 389.09 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 559.19 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 70 | \$4.46 | \$5.39 | \$7.82 | 140 | \$2.38 | \$2.84 | \$4.06 |
| 80 | \$3.94 | \$4.75 | \$6.88 | 150 | \$2.24 | \$2.67 | \$3.81 |
| 90 | \$3.54 | \$4.26 | \$6.15 | 160 | \$2.12 | \$2.52 | \$3.59 |
| 100 | \$3.21 | \$3.86 | \$5.56 | 170 | \$2.01 | \$2.39 | \$3.39 |
| 110 | \$2.95 | \$3.54 | \$5.08 | 180 | \$1.91 | \$2.27 | \$3.22 |
| 120 | \$2.72 | \$3.27 | \$4.68 | 190 | \$1.83 | \$2.17 | \$3.07 |
| 130 | \$2.54 | \$3.04 | \$4.35 | 200 | \$1.75 | \$2.08 | \$2.93 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Center Pivot Irrigated Grain Sorghum Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.2 | Bags | 125.00 | 25.00 | |
| Nitrogen | 150 | Pounds | 0.45 | 67.50 | |
| Phosphate | 70 | Pounds | 0.40 | 28.00 | |
| Potash | 45 | Pounds | 0.35 | 15.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 26.00 | 26.00 | |
| Post-Emerge | 1 | Acre | 3.00 | 3.00 | |
| Fungicide | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 25.00 | 25.00 | |
| Drying Fuel & Electricity* | 130 | Bushels | 0.12 | 15.60 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 16.00 | 16.00 | |
| Machinery Repairs | 1 | Acre | 16.00 | 16.00 | |
| Hauling & Transportation* | 130 | Bushels | 0.17 | 22.10 | |
| Labor | 1 | Acre | 33.00 | 33.00 | |
| Irrigation Fuel (Acre Inches) | 10 | Acre | 2.00 | 20.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 11.29 | |
| Total Variable | | Acre | | \$ 387.74 | |
| Fixed Machinery Cost | 1 | Acre | 47.00 | 47.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 18.00 | 18.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 529.74 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 699.84 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100 | \$3.79 | \$5.21 | \$6.91 | 170 | \$2.35 | \$3.18 | \$4.18 |
| 110 | \$3.47 | \$4.76 | \$6.31 | 180 | \$2.23 | \$3.02 | \$3.97 |
| 120 | \$3.21 | \$4.39 | \$5.81 | 190 | \$2.13 | \$2.88 | \$3.77 |
| 130 | \$2.98 | \$4.07 | \$5.38 | 200 | \$2.04 | \$2.75 | \$3.60 |
| 140 | \$2.79 | \$3.80 | \$5.02 | 210 | \$1.96 | \$2.63 | \$3.44 |
| 150 | \$2.62 | \$3.57 | \$4.70 | 220 | \$1.88 | \$2.53 | \$3.30 |
| 160 | \$2.48 | \$3.37 | \$4.43 | 230 | \$1.81 | \$2.43 | \$3.17 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 Wheat Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 2.25 | Bags | 17.00 | 38.25 | |
| Nitrogen | 100 | Pounds | 0.45 | 45.00 | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 20 | Pounds | 0.35 | 7.00 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 15 | Pounds | 0.35 | 5.25 | |
| Boron | 0 | Pounds | 0.00 | - | |
| Post-Emerge - Ryegrass | 1 | Acre | 17.00 | 17.00 | |
| Post-Emerge - Broadleaf | 1 | Acre | 10.00 | 10.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 2 | Acre | 5.00 | 10.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 9.00 | 9.00 | |
| Machinery Repairs | 1 | Acre | 10.00 | 10.00 | |
| Hauling & Transportation* | 70 | Bushels | 0.17 | 11.90 | |
| Labor | 1 | Acre | 18.00 | 18.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.26 | |
| Total Variable | | Acre | | \$ 249.41 | |
| Fixed Machinery Cost | 1 | Acre | 33.00 | 33.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 4.00 | 4.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 286.41 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 371.46 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 40 | \$6.11 | \$7.03 | \$9.16 | 75 | \$3.34 | \$3.83 | \$4.96 |
| 45 | \$5.45 | \$6.27 | \$8.16 | 80 | \$3.14 | \$3.60 | \$4.66 |
| 50 | \$4.92 | \$5.66 | \$7.36 | 85 | \$2.96 | \$3.40 | \$4.40 |
| 55 | \$4.49 | \$5.16 | \$6.71 | 90 | \$2.81 | \$3.22 | \$4.17 |
| 60 | \$4.13 | \$4.75 | \$6.16 | 95 | \$2.67 | \$3.06 | \$3.95 |
| 65 | \$3.82 | \$4.39 | \$5.70 | 100 | \$2.55 | \$2.92 | \$3.77 |
| 70 | \$3.56 | \$4.09 | \$5.31 | 105 | \$2.43 | \$2.78 | \$3.59 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irrigated Popcorn Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed + Treatment | 10 | Pounds | 4.00 | 50.00 | |
| Nitrogen | 185 | Pounds | 0.45 | 83.25 | |
| Phosphate | 80 | Pounds | 0.40 | 32.00 | |
| Potash | 60 | Pounds | 0.35 | 21.00 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 10.00 | 10.00 | |
| Post-Emerge | 1 | Acre | 32.00 | 32.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 15.00 | 15.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.18 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 17.00 | 17.00 | |
| Machinery Repairs | 1 | Acre | 17.00 | 17.00 | |
| Hauling & Transportation* | 5000 | Pounds | 0.0015 | 7.50 | |
| Labor | 1 | Acre | 35.00 | 35.00 | |
| Irrigation Fuel (Acre Inches) | 12 | Acre | 2.00 | 24.00 | |
| Irrigation Repairs | 1 | Acre | 15.00 | 15.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 12.62 | |
| Total Variable | | Acre | | \$ 433.37 | |
| Fixed Machinery Cost | 1 | Acre | 52.00 | 52.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 565.37 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 735.47 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

| Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 3000 | \$0.143 | \$0.187 | \$0.244 | 4750 | \$0.091 | \$0.119 | \$0.155 |
| 3250 | \$0.133 | \$0.173 | \$0.225 | 5000 | \$0.087 | \$0.113 | \$0.147 |
| 3500 | \$0.123 | \$0.161 | \$0.209 | 5250 | \$0.083 | \$0.108 | \$0.140 |
| 3750 | \$0.115 | \$0.150 | \$0.196 | 5500 | \$0.079 | \$0.103 | \$0.134 |
| 4000 | \$0.108 | \$0.141 | \$0.183 | 5750 | \$0.076 | \$0.099 | \$0.128 |
| 4250 | \$0.102 | \$0.133 | \$0.173 | 6000 | \$0.072 | \$0.094 | \$0.123 |
| 4500 | \$0.096 | \$0.125 | \$0.163 | 6250 | \$0.070 | \$0.091 | \$0.118 |

**University of Missouri Extension Southeast Missouri Crop Budget
2016 GMO Cotton Budget**

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed** | 1 | Acre | 120.00 | 120.00 | |
| Nitrogen | 80 | Pounds | 0.45 | 36.00 | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 35 | Pounds | 0.35 | 12.25 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 1 | Pounds | 6.00 | 6.00 | |
| Early Post with Residual | 1 | Acre | 33.00 | 33.00 | |
| Post-Emerge - Glyphosate | 2 | Acre | 6.00 | 12.00 | |
| Post-Emerge - Layby | 1 | Acre | 14.00 | 14.00 | |
| Insecticide | 1 | Acre | 32.00 | 32.00 | |
| Boll Weevil Eradication | 0 | Acre | 5.00 | - | |
| Growth Regulator | 1 | Acre | 5.00 | 5.00 | |
| Defoliation | 1 | Acre | 18.00 | 18.00 | |
| Ginning (changes with Yield) | 0 | Pounds | 0.00 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 22.00 | 22.00 | |
| Machinery Repairs | 1 | Acre | 30.00 | 30.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 13.67 | |
| Total Variable | | Acre | | \$ 469.42 | |
| Fixed Machinery Cost | 1 | Acre | 107.00 | 107.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 579.42 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 749.52 | |

**Seed cost includes Technology Fee

Breakeven Price in Cents/Pound

| Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 480 | \$0.978 | \$1.207 | \$1.562 | 900 | \$0.522 | \$0.644 | \$0.833 |
| 540 | \$0.869 | \$1.073 | \$1.388 | 960 | \$0.489 | \$0.604 | \$0.781 |
| 600 | \$0.782 | \$0.966 | \$1.249 | 1020 | \$0.460 | \$0.568 | \$0.735 |
| 660 | \$0.711 | \$0.878 | \$1.136 | 1080 | \$0.435 | \$0.537 | \$0.694 |
| 720 | \$0.652 | \$0.805 | \$1.041 | 1140 | \$0.412 | \$0.508 | \$0.657 |
| 780 | \$0.602 | \$0.743 | \$0.961 | 1200 | \$0.391 | \$0.483 | \$0.625 |
| 840 | \$0.559 | \$0.690 | \$0.892 | 1260 | \$0.373 | \$0.460 | \$0.595 |

**University of Missouri Extension Southeast Missouri Crop Budget
2016 Center Pivot Irr. GMO Cotton**

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed** | 1 | Acre | 120.00 | 120.00 | |
| Nitrogen | 80 | Pounds | 0.45 | 36.00 | |
| Phosphate | 50 | Pounds | 0.40 | 20.00 | |
| Potash | 45 | Pounds | 0.35 | 15.75 | |
| Limestone | 0.5 | Tons | 29.00 | 14.50 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Boron | 1 | Pounds | 6.00 | 6.00 | |
| Early Post with Residual | 1 | Acre | 33.00 | 33.00 | |
| Post-Emerge - Glyphosate | 2 | Acre | 6.00 | 12.00 | |
| Post-Emerge - Layby | 1 | Acre | 14.00 | 14.00 | |
| Insecticide | 1 | Acre | 32.00 | 32.00 | |
| Boll Weevil Eradication | 0 | Acre | 5.00 | - | |
| Growth Regulator | 2 | Acre | 5.00 | 10.00 | |
| Defoliation | 1 | Acre | 18.00 | 18.00 | |
| Ginning (changes with Yield) | 0 | Pounds | 0.00 | - | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 22.00 | 22.00 | |
| Machinery Repairs | 1 | Acre | 30.00 | 30.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel (Acre Inches) | 9 | Acre | 2.00 | 18.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 15.01 | |
| Total Variable | | Acre | | \$ 515.26 | |
| Fixed Machinery Cost | 1 | Acre | 107.00 | 107.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 702.26 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 872.36 | |

**Seed cost includes Technology Fee

Breakeven Price in Cents/Pound

| Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 720 | \$0.716 | \$0.975 | \$1.212 | 1140 | \$0.452 | \$0.616 | \$0.765 |
| 780 | \$0.661 | \$0.900 | \$1.118 | 1200 | \$0.429 | \$0.585 | \$0.727 |
| 840 | \$0.613 | \$0.836 | \$1.039 | 1260 | \$0.409 | \$0.557 | \$0.692 |
| 900 | \$0.573 | \$0.780 | \$0.969 | 1320 | \$0.390 | \$0.532 | \$0.661 |
| 960 | \$0.537 | \$0.732 | \$0.909 | 1380 | \$0.373 | \$0.509 | \$0.632 |
| 1020 | \$0.505 | \$0.688 | \$0.855 | 1440 | \$0.358 | \$0.488 | \$0.606 |
| 1080 | \$0.477 | \$0.650 | \$0.808 | 1500 | \$0.344 | \$0.468 | \$0.582 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Rice Budget - Conventional Variety

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 65 | Pounds | 0.40 | 26.00 | |
| Nitrogen | 150 | Pounds | 0.45 | 67.50 | |
| Phosphate | 50 | Pounds | 0.40 | 20.00 | |
| Potash | 30 | Pounds | 0.35 | 10.50 | |
| Limestone | 0 | Tons | 29.00 | - | |
| Zinc | 3 | Pounds | 2.00 | 6.00 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 20.00 | 20.00 | |
| Post-Emerge | 1 | Acre | 60.00 | 60.00 | |
| Fungicide | 1 | Acre | 18.00 | 18.00 | |
| Insecticide | 0 | Acre | 0.00 | - | |
| Drying (Custom/Bushel)* | 160 | Bushels | 0.30 | 48.00 | |
| Hauling & Transportation* | 160 | Bushels | 0.17 | 27.20 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 20.00 | 20.00 | |
| Machinery Repairs | 1 | Acre | 19.00 | 19.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel | 1 | Acre | 40.00 | 40.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 7.00 | 7.00 | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 4 | Acre | 6.50 | 26.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 14.92 | |
| Total Variable | | Acre | | \$ 512.12 | |
| Fixed Machinery Cost | 1 | Acre | 64.00 | 64.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 15.00 | 15.00 | |
| Fixed Irrigation Cost | 1 | Acre | 73.00 | 73.00 | |
| Total (Excluding Land) | | Acre | | \$ 664.12 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 834.22 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100 | \$4.84 | \$6.36 | \$8.06 | 170 | \$3.04 | \$3.93 | \$4.93 |
| 110 | \$4.44 | \$5.82 | \$7.37 | 180 | \$2.90 | \$3.74 | \$4.69 |
| 120 | \$4.11 | \$5.38 | \$6.80 | 190 | \$2.77 | \$3.57 | \$4.46 |
| 130 | \$3.83 | \$5.00 | \$6.31 | 200 | \$2.65 | \$3.41 | \$4.27 |
| 140 | \$3.59 | \$4.68 | \$5.89 | 210 | \$2.55 | \$3.27 | \$4.08 |
| 150 | \$3.38 | \$4.40 | \$5.53 | 220 | \$2.46 | \$3.15 | \$3.92 |
| 160 | \$3.20 | \$4.15 | \$5.21 | 230 | \$2.37 | \$3.03 | \$3.77 |

University of Missouri Extension Southeast Missouri Crop Budget
2016 Hybrid Rice Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed | 1 | Unit | 130.00 | 130.00 | |
| Nitrogen | 150 | Pounds | 0.45 | 67.50 | |
| Phosphate | 55 | Pounds | 0.40 | 22.00 | |
| Potash | 30 | Pounds | 0.35 | 10.50 | |
| Limestone | 0 | Tons | 29.00 | - | |
| Zinc | 3 | Pounds | 2.00 | 6.00 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 20.00 | 20.00 | |
| Post-Emerge | 1 | Acre | 60.00 | 60.00 | |
| Fungicide | 0 | Ounces | 18.00 | - | |
| Insecticide | 0 | Acre | 0.00 | - | |
| Drying (Custom/Bushel)* | 180 | Bushels | 0.30 | 54.00 | |
| Hauling & Transportation* | 180 | Bushels | 0.17 | 30.60 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 20.00 | 20.00 | |
| Machinery Repairs | 1 | Acre | 19.00 | 19.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel | 1 | Acre | 40.00 | 40.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 7.00 | 7.00 | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 3 | Acre | 6.50 | 19.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 17.64 | |
| Total Variable | | Acre | | \$ 605.74 | |
| Fixed Machinery Cost | 1 | Acre | 64.00 | 64.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 17.00 | 17.00 | |
| Fixed Irrigation Cost | 1 | Acre | 73.00 | 73.00 | |
| Total (Excluding Land) | | Acre | | \$ 759.74 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 929.84 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 120 | \$4.81 | \$6.10 | \$7.51 | 190 | \$3.21 | \$4.02 | \$4.92 |
| 130 | \$4.48 | \$5.66 | \$6.97 | 200 | \$3.08 | \$3.85 | \$4.70 |
| 140 | \$4.19 | \$5.29 | \$6.51 | 210 | \$2.95 | \$3.68 | \$4.49 |
| 150 | \$3.94 | \$4.97 | \$6.10 | 220 | \$2.84 | \$3.54 | \$4.31 |
| 160 | \$3.73 | \$4.69 | \$5.75 | 230 | \$2.74 | \$3.41 | \$4.14 |
| 170 | \$3.54 | \$4.44 | \$5.44 | 240 | \$2.64 | \$3.28 | \$3.99 |
| 180 | \$3.37 | \$4.22 | \$5.17 | 250 | \$2.55 | \$3.17 | \$3.85 |

**University of Missouri Extension Southeast Missouri Crop Budget
2016 Rice Budget - Clearfield**

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed + Tech fee | 65 | Pounds | 1.15 | 86.75 | |
| Nitrogen | 150 | Pounds | 0.45 | 67.50 | |
| Phosphate | 50 | Pounds | 0.40 | 20.00 | |
| Potash | 30 | Pounds | 0.35 | 10.50 | |
| Limestone | 0 | Tons | 29.00 | - | |
| Zinc | 3 | Pounds | 2.00 | 6.00 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre/Post-Emerge | 1 | Acre | 40.00 | 40.00 | |
| Post-Emerge | 1 | Acre | 30.00 | 30.00 | |
| Fungicide | 1 | Acre | 18.00 | 18.00 | |
| Insecticide | 0 | Acre | 0.00 | - | |
| Drying (Custom/Bushel)* | 160 | Bushels | 0.30 | 48.00 | |
| Hauling & Transportation* | 160 | Bushels | 0.17 | 27.20 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 20.00 | 20.00 | |
| Machinery Repairs | 1 | Acre | 19.00 | 19.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel | 1 | Acre | 40.00 | 40.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 7.00 | 7.00 | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 4 | Acre | 6.50 | 26.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 16.44 | |
| Total Variable | | Acre | | \$ 564.39 | |
| Fixed Machinery Cost | 1 | Acre | 64.00 | 64.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 15.00 | 15.00 | |
| Fixed Irrigation Cost | 1 | Acre | 73.00 | 73.00 | |
| Total (Excluding Land) | | Acre | | \$ 716.39 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 886.49 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100 | \$5.36 | \$6.88 | \$8.58 | 170 | \$3.35 | \$4.24 | \$5.24 |
| 110 | \$4.92 | \$6.30 | \$7.85 | 180 | \$3.19 | \$4.03 | \$4.98 |
| 120 | \$4.55 | \$5.81 | \$7.23 | 190 | \$3.04 | \$3.84 | \$4.74 |
| 130 | \$4.23 | \$5.40 | \$6.71 | 200 | \$2.92 | \$3.68 | \$4.53 |
| 140 | \$3.96 | \$5.05 | \$6.26 | 210 | \$2.80 | \$3.52 | \$4.33 |
| 150 | \$3.73 | \$4.74 | \$5.88 | 220 | \$2.69 | \$3.38 | \$4.16 |
| 160 | \$3.53 | \$4.48 | \$5.54 | 230 | \$2.60 | \$3.26 | \$4.00 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Rice Budget - Hybrid Clearfield

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed + Tech Fee | 1 | Unit | 128.00 | 128.00 | |
| Nitrogen | 150 | Pounds | 0.45 | 67.50 | |
| Phosphate | 55 | Pounds | 0.40 | 22.00 | |
| Potash | 30 | Pounds | 0.35 | 10.50 | |
| Limestone | 0 | Tons | 29.00 | - | |
| Zinc | 3 | Pounds | 2.00 | 6.00 | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre/Post-Emerge | 1 | Acre | 40.00 | 40.00 | |
| Post-Emerge | 1 | Acre | 30.00 | 30.00 | |
| Fungicide | 0 | Ounces | 18.00 | - | |
| Insecticide | 0 | Acre | 0.00 | - | |
| Drying (Custom/Bushel)* | 180 | Bushels | 0.30 | 54.00 | |
| Hauling & Transportation* | 180 | Bushels | 0.17 | 30.60 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 20.00 | 20.00 | |
| Machinery Repairs | 1 | Acre | 19.00 | 19.00 | |
| Labor | 1 | Acre | 42.00 | 42.00 | |
| Irrigation Fuel | 1 | Acre | 40.00 | 40.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 7.00 | 7.00 | |
| Scout | 1 | Acre | 8.00 | 8.00 | |
| Custom Application | 3 | Acre | 6.50 | 19.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 17.28 | |
| Total Variable | | Acre | | \$ 593.38 | |
| Fixed Machinery Cost | 1 | Acre | 64.00 | 64.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 17.00 | 17.00 | |
| Fixed Irrigation Cost | 1 | Acre | 73.00 | 73.00 | |
| Total (Excluding Land) | | Acre | | \$ 747.38 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.60 | |
| Land Interest | 6300 | Acre | 2.50% | 157.50 | |
| Total Cost | | Acre | | \$ 917.48 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 120 | \$4.71 | \$5.99 | \$7.41 | 190 | \$3.15 | \$3.96 | \$4.85 |
| 130 | \$4.38 | \$5.57 | \$6.88 | 200 | \$3.01 | \$3.78 | \$4.63 |
| 140 | \$4.10 | \$5.20 | \$6.42 | 210 | \$2.89 | \$3.63 | \$4.44 |
| 150 | \$3.86 | \$4.89 | \$6.02 | 220 | \$2.78 | \$3.48 | \$4.26 |
| 160 | \$3.65 | \$4.61 | \$5.68 | 230 | \$2.68 | \$3.35 | \$4.09 |
| 170 | \$3.46 | \$4.37 | \$5.37 | 240 | \$2.59 | \$3.23 | \$3.94 |
| 180 | \$3.30 | \$4.15 | \$5.10 | 250 | \$2.51 | \$3.12 | \$3.80 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 No-Till Double Crop Roundup Ready Soybean

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 62.00 | 74.40 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 30 | Pounds | 0.40 | 12.00 | |
| Potash | 50 | Pounds | 0.35 | 17.50 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 24.00 | 24.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 35 | Bushels | 0.17 | 5.95 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.40 | |
| Total Variable | | Acre | | \$ 254.00 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 286.00 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 371.05 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$12.57 | \$14.17 | \$18.42 | 55 | \$4.68 | \$5.26 | \$6.81 |
| 25 | \$10.09 | \$11.37 | \$14.77 | 60 | \$4.30 | \$4.84 | \$6.25 |
| 30 | \$8.44 | \$9.50 | \$12.34 | 65 | \$3.99 | \$4.48 | \$5.79 |
| 35 | \$7.26 | \$8.17 | \$10.60 | 70 | \$3.71 | \$4.17 | \$5.39 |
| 40 | \$6.37 | \$7.17 | \$9.30 | 75 | \$3.48 | \$3.90 | \$5.04 |
| 45 | \$5.68 | \$6.39 | \$8.28 | 80 | \$3.27 | \$3.67 | \$4.73 |
| 50 | \$5.13 | \$5.77 | \$7.47 | 85 | \$3.09 | \$3.46 | \$4.47 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irr. No-Till D. C. RR Soybean

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 62.00 | 74.40 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 24.00 | 24.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 8.63 | |
| Total Variable | | Acre | | \$ 296.18 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 405.18 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 490.23 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$14.60 | \$20.05 | \$24.30 | 55 | \$5.42 | \$7.40 | \$8.94 |
| 25 | \$11.71 | \$16.07 | \$19.47 | 60 | \$4.98 | \$6.80 | \$8.21 |
| 30 | \$9.79 | \$13.42 | \$16.26 | 65 | \$4.61 | \$6.29 | \$7.59 |
| 35 | \$8.41 | \$11.53 | \$13.96 | 70 | \$4.29 | \$5.85 | \$7.06 |
| 40 | \$7.38 | \$10.11 | \$12.23 | 75 | \$4.02 | \$5.47 | \$6.60 |
| 45 | \$6.58 | \$9.00 | \$10.89 | 80 | \$3.78 | \$5.14 | \$6.20 |
| 50 | \$5.94 | \$8.12 | \$9.82 | 85 | \$3.56 | \$4.85 | \$5.85 |

University of Missouri Extension Southeast Missouri Crop Budget

2016 No-Till Double Cr. Liberty Link Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 58.00 | 69.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 30 | Pounds | 0.40 | 12.00 | |
| Potash | 50 | Pounds | 0.35 | 17.50 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Quarts | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge - Liberty | 36 | Ounces | 0.60 | 21.60 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 35 | Bushels | 0.17 | 5.95 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.50 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.18 | |
| Total Variable | | Acre | | \$ 246.58 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 278.58 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 363.63 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$12.20 | \$13.80 | \$18.05 | 55 | \$4.55 | \$5.13 | \$6.67 |
| 25 | \$9.80 | \$11.08 | \$14.48 | 60 | \$4.18 | \$4.71 | \$6.13 |
| 30 | \$8.19 | \$9.26 | \$12.09 | 65 | \$3.87 | \$4.36 | \$5.67 |
| 35 | \$7.05 | \$7.96 | \$10.39 | 70 | \$3.61 | \$4.06 | \$5.28 |
| 40 | \$6.19 | \$6.99 | \$9.11 | 75 | \$3.38 | \$3.81 | \$4.94 |
| 45 | \$5.52 | \$6.23 | \$8.12 | 80 | \$3.18 | \$3.58 | \$4.64 |
| 50 | \$4.98 | \$5.62 | \$7.32 | 85 | \$3.00 | \$3.38 | \$4.38 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 C. P. Irr. D.C. Liberty Link Soybean Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 58.00 | 69.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Quarts | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge - Liberty | 36 | Ounces | 0.60 | 21.60 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.50 | 20.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 8.53 | |
| Total Variable | | Acre | | \$ 292.88 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 401.88 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 486.93 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$14.43 | \$19.88 | \$24.13 | 55 | \$5.36 | \$7.34 | \$8.88 |
| 25 | \$11.58 | \$15.94 | \$19.34 | 60 | \$4.92 | \$6.74 | \$8.16 |
| 30 | \$9.68 | \$13.31 | \$16.15 | 65 | \$4.56 | \$6.24 | \$7.54 |
| 35 | \$8.32 | \$11.43 | \$13.86 | 70 | \$4.24 | \$5.80 | \$7.02 |
| 40 | \$7.30 | \$10.03 | \$12.15 | 75 | \$3.97 | \$5.43 | \$6.56 |
| 45 | \$6.51 | \$8.93 | \$10.82 | 80 | \$3.74 | \$5.10 | \$6.16 |
| 50 | \$5.87 | \$8.05 | \$9.76 | 85 | \$3.53 | \$4.81 | \$5.81 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 No-Till Double Crop Conventional Soybean

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 43.00 | 51.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 30 | Pounds | 0.40 | 12.00 | |
| Potash | 50 | Pounds | 0.35 | 17.50 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 35 | Bushels | 0.17 | 5.95 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 6.65 | |
| Total Variable | | Acre | | \$ 228.45 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 260.45 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 345.50 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$11.30 | \$12.90 | \$17.15 | 55 | \$4.22 | \$4.80 | \$6.34 |
| 25 | \$9.07 | \$10.35 | \$13.75 | 60 | \$3.88 | \$4.41 | \$5.83 |
| 30 | \$7.59 | \$8.65 | \$11.49 | 65 | \$3.59 | \$4.09 | \$5.39 |
| 35 | \$6.53 | \$7.44 | \$9.87 | 70 | \$3.35 | \$3.81 | \$5.02 |
| 40 | \$5.73 | \$6.53 | \$8.66 | 75 | \$3.14 | \$3.56 | \$4.70 |
| 45 | \$5.11 | \$5.83 | \$7.72 | 80 | \$2.95 | \$3.35 | \$4.41 |
| 50 | \$4.62 | \$5.26 | \$6.96 | 85 | \$2.79 | \$3.16 | \$4.16 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 C. P. Irr. No-Till D C Conventional Soybean

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 1.2 | Bags | 43.00 | 51.60 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Foliar Fertilizer | 0 | Acres | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 18.00 | 18.00 | |
| Post-Emerge | 1 | Acre | 22.00 | 22.00 | |
| Fungicide | 1 | Acres | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 18.00 | 18.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 6.00 | 6.00 | |
| Machinery Repairs | 1 | Acre | 7.00 | 7.00 | |
| Hauling & Transportation* | 45 | Bushels | 0.17 | 7.65 | |
| Labor | 1 | Acre | 13.00 | 13.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 1 | Acre | 6.50 | 6.50 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.88 | |
| Total Variable | | Acre | | \$ 270.63 | |
| Fixed Machinery Cost | 1 | Acre | 25.00 | 25.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 7.00 | 7.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 379.63 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 464.68 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20 | \$13.32 | \$18.77 | \$23.02 | 55 | \$4.95 | \$6.93 | \$8.48 |
| 25 | \$10.69 | \$15.05 | \$18.45 | 60 | \$4.55 | \$6.37 | \$7.79 |
| 30 | \$8.94 | \$12.57 | \$15.40 | 65 | \$4.22 | \$5.89 | \$7.20 |
| 35 | \$7.68 | \$10.80 | \$13.23 | 70 | \$3.93 | \$5.48 | \$6.70 |
| 40 | \$6.74 | \$9.47 | \$11.60 | 75 | \$3.68 | \$5.13 | \$6.26 |
| 45 | \$6.01 | \$8.44 | \$10.33 | 80 | \$3.46 | \$4.82 | \$5.88 |
| 50 | \$5.43 | \$7.61 | \$9.31 | 85 | \$3.26 | \$4.55 | \$5.55 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 No-Till Double Crop Grain Sorghum Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.16 | Bags | 125.00 | 20.00 | |
| Nitrogen | 90 | Pounds | 0.45 | 40.50 | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 25 | Pounds | 0.35 | 8.75 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 26.00 | 26.00 | |
| Post-Emerge | 1 | Acre | 3.00 | 3.00 | |
| Fungicide | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 35.00 | 35.00 | |
| Drying Fuel & Electricity* | 70 | Bushels | 0.12 | 8.40 | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 11.00 | 11.00 | |
| Machinery Repairs | 1 | Acre | 14.00 | 14.00 | |
| Hauling & Transportation* | 70 | Bushels | 0.17 | 11.90 | |
| Labor | 1 | Acre | 25.00 | 25.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 7.85 | |
| Total Variable | | Acre | | \$ 269.65 | |
| Fixed Machinery Cost | 1 | Acre | 38.00 | 38.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 11.00 | 11.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 318.65 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 403.70 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 50 | \$5.28 | \$6.26 | \$7.96 | 120 | \$2.37 | \$2.78 | \$3.49 |
| 60 | \$4.45 | \$5.26 | \$6.68 | 130 | \$2.21 | \$2.59 | \$3.24 |
| 70 | \$3.85 | \$4.55 | \$5.77 | 140 | \$2.07 | \$2.42 | \$3.03 |
| 80 | \$3.41 | \$4.02 | \$5.08 | 150 | \$1.95 | \$2.28 | \$2.85 |
| 90 | \$3.06 | \$3.61 | \$4.55 | 160 | \$1.85 | \$2.15 | \$2.69 |
| 100 | \$2.78 | \$3.27 | \$4.12 | 170 | \$1.76 | \$2.05 | \$2.55 |
| 110 | \$2.56 | \$3.00 | \$3.78 | 180 | \$1.68 | \$1.95 | \$2.42 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irr. No-Till D. C. Grain Sorghum

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 0.2 | Bags | 125.00 | 25.00 | |
| Nitrogen | 125 | Pounds | 0.45 | 56.25 | |
| Phosphate | 60 | Pounds | 0.40 | 24.00 | |
| Potash | 40 | Pounds | 0.35 | 14.00 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Starter Fertilizer | 0 | Acre | 0.00 | - | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Burn Down Herbicides | 1 | Acre | 6.00 | 6.00 | |
| Pre-Emerge | 1 | Acre | 28.00 | 28.00 | |
| Post-Emerge | 1 | Acre | 3.00 | 3.00 | |
| Fungicide | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 35.00 | 35.00 | |
| Drying Fuel & Electricity* | 110 | Bushels | 0.12 | 13.20 | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 11.00 | 11.00 | |
| Machinery Repairs | 1 | Acre | 14.00 | 14.00 | |
| Hauling & Transportation* | 110 | Bushels | 0.17 | 18.70 | |
| Labor | 1 | Acre | 25.00 | 25.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 2 | Acre | 6.50 | 13.00 | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 10.18 | |
| Total Variable | | Acre | | \$ 349.58 | |
| Fixed Machinery Cost | 1 | Acre | 38.00 | 38.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 13.00 | 13.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 477.58 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 562.63 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

| Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Bu/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 70 | \$4.83 | \$6.66 | \$7.87 | 140 | \$2.56 | \$3.47 | \$4.08 |
| 80 | \$4.26 | \$5.86 | \$6.92 | 150 | \$2.41 | \$3.26 | \$3.83 |
| 90 | \$3.82 | \$5.24 | \$6.19 | 160 | \$2.28 | \$3.08 | \$3.61 |
| 100 | \$3.47 | \$4.75 | \$5.60 | 170 | \$2.16 | \$2.91 | \$3.41 |
| 110 | \$3.18 | \$4.34 | \$5.11 | 180 | \$2.05 | \$2.77 | \$3.24 |
| 120 | \$2.94 | \$4.00 | \$4.71 | 190 | \$1.96 | \$2.64 | \$3.08 |
| 130 | \$2.73 | \$3.72 | \$4.37 | 200 | \$1.88 | \$2.52 | \$2.94 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Double Crop Southern Pea Budget

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 20 | Pounds | 1.10 | 22.00 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 30 | Pounds | 0.40 | 12.00 | |
| Potash | 50 | Pounds | 0.35 | 17.50 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 20.00 | 20.00 | |
| Post-Emerge | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 8.00 | 8.00 | |
| Desiccation | 1 | Acre | 7.00 | 7.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Hauling & Transportation* | 1200 | Pounds | 0.004 | 4.80 | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 14.00 | 14.00 | |
| Machinery Repairs | 1 | Acre | 12.00 | 12.00 | |
| Labor | 1 | Acre | 28.00 | 28.00 | |
| Irrigation Fuel (Acre Inches) | 0 | Acre | 2.00 | - | |
| Irrigation Repairs | 0 | Acre | 10.00 | - | |
| Irrigation Labor | 0 | Acre | 4.00 | - | |
| Custom Application | 0 | Acre | 6.50 | - | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 5.06 | |
| Total Variable | | Acre | | \$ 173.61 | |
| Fixed Machinery Cost | 1 | Acre | 43.00 | 43.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 0 | Acre | 77.00 | - | |
| Total (Excluding Land) | | Acre | | \$ 219.61 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 304.66 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

| Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 600 | \$0.285 | \$0.362 | \$0.504 | 1300 | \$0.134 | \$0.169 | \$0.235 |
| 700 | \$0.245 | \$0.311 | \$0.432 | 1400 | \$0.125 | \$0.157 | \$0.218 |
| 800 | \$0.215 | \$0.273 | \$0.379 | 1500 | \$0.117 | \$0.147 | \$0.204 |
| 900 | \$0.192 | \$0.243 | \$0.337 | 1600 | \$0.110 | \$0.138 | \$0.191 |
| 1000 | \$0.173 | \$0.219 | \$0.304 | 1700 | \$0.103 | \$0.130 | \$0.180 |
| 1100 | \$0.157 | \$0.199 | \$0.277 | 1800 | \$0.098 | \$0.123 | \$0.171 |
| 1200 | \$0.145 | \$0.183 | \$0.254 | 1900 | \$0.093 | \$0.117 | \$0.162 |

University of Missouri Extension Southeast Missouri Crop Budget 2016 Center Pivot Irrigated D. C. Southern Pea

| Variable Cost | Number of Units | Units | Cost \$/Unit | Total Cost/Acre | Your Cost \$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed | 20 | Pounds | 1.10 | 22.00 | |
| Nitrogen | 0 | Pounds | 0.45 | - | |
| Phosphate | 40 | Pounds | 0.40 | 16.00 | |
| Potash | 65 | Pounds | 0.35 | 22.75 | |
| Limestone | 0.25 | Tons | 29.00 | 7.25 | |
| Zinc | 0 | Pounds | 0.00 | - | |
| Sulfur | 0 | Pounds | 0.00 | - | |
| Pre-Emerge | 1 | Acre | 20.00 | 20.00 | |
| Post-Emerge | 0 | Acre | 0.00 | - | |
| Insecticide | 1 | Acre | 8.00 | 8.00 | |
| Desiccation | 1 | Acre | 7.00 | 7.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.08 | - | |
| Hauling & Transportation* | 1600 | Pounds | 0.004 | 6.40 | |
| Miscellaneous Overhead | 1 | Acre | 6.00 | 6.00 | |
| Machinery Fuel | 1 | Acre | 14.00 | 14.00 | |
| Machinery Repairs | 1 | Acre | 12.00 | 12.00 | |
| Labor | 1 | Acre | 28.00 | 28.00 | |
| Irrigation Fuel (Acre Inches) | 8 | Acre | 2.00 | 16.00 | |
| Irrigation Repairs | 1 | Acre | 10.00 | 10.00 | |
| Irrigation Labor | 1 | Acre | 4.00 | 4.00 | |
| Custom Application | 0 | Acre | 6.50 | - | |
| Crop Insurance | 1 | Acre | 10.00 | 10.00 | |
| Interest (1/2 year at 6.0%) | 0.5 | Acre | 6.00% | 6.28 | |
| Total Variable | | Acre | | \$ 215.68 | |
| Fixed Machinery Cost | 1 | Acre | 43.00 | 43.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 1 | Acre | 77.00 | 77.00 | |
| Total (Excluding Land) | | Acre | | \$ 338.68 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 6.30 | |
| Land Interest | 3150 | Acre | 2.50% | 78.75 | |
| Total Cost | | Acre | | \$ 423.73 | |

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

| Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost | Yield Lb/Acre | Variable Cost | Total Cost Excluding Land | Total Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 1000 | \$0.213 | \$0.336 | \$0.421 | 1700 | \$0.127 | \$0.199 | \$0.249 |
| 1100 | \$0.194 | \$0.306 | \$0.383 | 1800 | \$0.120 | \$0.189 | \$0.236 |
| 1200 | \$0.178 | \$0.281 | \$0.352 | 1900 | \$0.114 | \$0.179 | \$0.224 |
| 1300 | \$0.165 | \$0.260 | \$0.325 | 2000 | \$0.109 | \$0.170 | \$0.213 |
| 1400 | \$0.153 | \$0.241 | \$0.302 | 2100 | \$0.104 | \$0.162 | \$0.203 |
| 1500 | \$0.144 | \$0.226 | \$0.282 | 2200 | \$0.099 | \$0.155 | \$0.194 |
| 1600 | \$0.135 | \$0.212 | \$0.265 | 2300 | \$0.095 | \$0.148 | \$0.185 |

Crop Decision Aid - Breakeven Analysis between two Crops based on changes in Yield and Price

Crop 1 - Select Crop Below

GMO Corn
 Irrigated GMO Corn
 Liberty Link Soybeans
 Irr. Liberty Link Soybeans

Irr = Irrigation
 RR = Roundup Ready
 DC = Double Crop
 LL = Liberty Link; Conv= Conventional

Corn

| Price | Yield |
|--------|-------|
| \$3.80 | 150 |

Select Price and Yield
For both crops

Crop 2 - Select Crop Below

Liberty Link Soybeans
 GMO Corn
 Irrigated GMO Corn
 Liberty Link Soybeans
 Irr. Liberty Link Soybeans

Irr No Till Convent. Soybeans
 No Till LL Soybeans
 Irrigated No Till LL Soybeans
 No Till Grain Sorghum

Soybeans

| Price | Yield | Price | Yield |
|--------|-------|--------|-------|
| \$9.50 | 43 | \$0.00 | 0 |

Crop 1 - Select Crop Below
 GMO Corn
 Crop 2 - Select Crop Below
 Liberty Link Soybeans

| Variable Costs | Total Cost |
|----------------|------------|
| \$ 445.22 | \$ 685.32 |
| \$ 257.29 | \$ 468.39 |

| GMO Corn versus Liberty Link Soybeans Equal returns Based on Variable Production Costs | | | | | | |
|---|--------|--------|--------|-----------------|--------|--------|
| GMO Corn yields with the same net income as | | | | \$9.50 Soybeans | | |
| Soybeans Yields | Corn | | Prices | | | |
| | \$3.30 | \$3.55 | \$3.80 | \$4.05 | \$4.30 | \$4.55 |
| 33 | 153 | 142 | 132 | 124 | 117 | 111 |
| 38 | 167 | 155 | 145 | 136 | 128 | 121 |
| 43 | 181 | 169 | 157 | 148 | 139 | 131 |
| 48 | 196 | 182 | 170 | 159 | 150 | 142 |
| 53 | 210 | 195 | 182 | 171 | 161 | 152 |

| GMO Corn versus Liberty Link Soybeans Equal returns Based on Variable Production Costs | | | | | | |
|---|----------|--------|--------|-------------|---------|---------|
| LL Soybean yields with the same net income as | | | | \$3.80 Corn | | |
| Corn Yields | Soybeans | | Prices | | | |
| | \$8.50 | \$9.00 | \$9.50 | \$10.00 | \$10.50 | \$11.00 |
| 130 | 36 | 34 | 32 | 31 | 29 | 28 |
| 140 | 40 | 38 | 36 | 34 | 33 | 31 |
| 150 | 45 | 42 | 40 | 38 | 36 | 35 |
| 160 | 49 | 47 | 44 | 42 | 40 | 38 |
| 170 | 54 | 51 | 48 | 46 | 44 | 42 |

Crop Decision Aid - Net Returns between two Crops based on changes in Yield and Price

Crop 1 - Select Crop Below

GMO Corn
 Irrigated GMO Corn
 Liberty Link Soybeans
 Irr. Liberty Link Soybeans
 Roundup Ready Soybeans

Irr = Irrigation
 RR = Roundup Ready
 DC = Double Crop
 LL = Liberty Link; Conv= Conventional

Corn

| Price | Yield |
|--------|-------|
| \$3.80 | 150 |

Select Price and Yield
For both crops

Crop 2 - Select Crop Below

Liberty Link Soybeans
 Grain Sorghum
 Irrigated Grain Sorghum
 Wheat (Single Crop)
 Wheat (Double Crop)

No Till RR Soybeans
 Irrigated No Till RR Soybeans
 No Till Convent. Soybeans
 Irr No Till Convent. Soybeans

Soybeans

| Price | Yield | Price | Yield |
|--------|-------|--------|-------|
| \$9.50 | 43 | \$0.00 | 0 |

Crop 1 - Select Crop Below

GMO Corn

Crop 2 - Select Crop Below

Liberty Link Soybeans

| Variable Costs | Total Cost |
|----------------|------------|
| \$ 445.22 | \$ 685.32 |
| \$ 257.29 | \$ 468.39 |

| GMO Corn versus Liberty Link Soybeans Net Returns Based on Variable Production Costs | | | | | | |
|---|-------------|---|------------------|--------|--------|--------|
| GMO Corn at 150 Bu/Ac | | Liberty Link Soybeans and \$9.50 Soybeans | | | | |
| Soybeans Yields | Corn Prices | | Corn Net Returns | | | |
| | \$3.30 | \$3.55 | \$3.80 | \$4.05 | \$4.30 | \$4.55 |
| 33 | (\$8) | \$29 | \$67 | \$104 | \$142 | \$179 |
| 38 | (\$56) | (\$18) | \$19 | \$57 | \$94 | \$132 |
| 43 | (\$103) | (\$66) | (\$28) | \$9 | \$47 | \$84 |
| 48 | (\$151) | (\$113) | (\$76) | (\$38) | (\$1) | \$37 |
| 53 | (\$198) | (\$161) | (\$123) | (\$86) | (\$48) | (\$11) |

| Liberty Link Soybeans versus GMO Corn Net Returns Based on Variable Production Costs | | | | | | |
|---|-----------------|--------------------------|----------------------|---------|---------|---------|
| Liberty Link Soybeans at 43 Bu/Ac | | GMO Corn and \$3.80 Corn | | | | |
| Corn Yields | Soybeans Prices | | Soybeans Net Returns | | | |
| | \$8.50 | \$9.00 | \$9.50 | \$10.00 | \$10.50 | \$11.00 |
| 130 | 61 | 83 | 104 | 126 | 148 | 169 |
| 140 | 23 | 45 | 66 | 88 | 110 | 131 |
| 150 | (15) | 7 | 28 | 50 | 72 | 93 |
| 160 | (53) | (31) | (10) | 12 | 34 | 55 |
| 170 | (91) | (69) | (48) | (26) | (4) | 17 |

University of Missouri Extension
Southeast Missouri Non-Irrigation Crop Budgets 2016

| | Corn Non-GMO | Corn GMO | Soybean Roundup Ready | Soybean Liberty Link | Soybean Conv. | Grain Sorghum | Cotton | Wheat | D. C. Soybean R.R. | D. C. Soybean L.L. | D. C. Soybean Conv. | D. C. Grain Sorghum | D. C. Southern Peas |
|--|------------------|------------------|-----------------------------|----------------------------|------------------|------------------|------------------|------------------|--------------------------|--------------------------|---------------------------|------------------------|---------------------------|
| Revenue | | | | | | | | | | | | | |
| Estimated Yield (Bu/Acre) ^A | 150 | 150 | 47 | 47 | 47 | 110 | 850 | 60 | 40 | 40 | 40 | 90 | 1200 |
| Estimated Price (\$/Bushel) ^B | \$3.75 | \$3.75 | \$8.87 | \$8.87 | \$8.87 | \$3.47 | \$0.604 | \$4.96 | \$8.87 | \$8.87 | \$8.87 | \$3.47 | \$0.20 |
| Estimated Gross Revenue (\$/Acre) | \$562.50 | \$562.50 | \$416.89 | \$416.89 | \$416.89 | \$381.70 | \$513.40 | \$297.60 | \$354.80 | \$354.80 | \$354.80 | \$312.30 | \$240.00 |
| Variable Cost^C | | | | | | | | | | | | | |
| | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre |
| Seed | 68.25 | 100.75 | 68.20 | 63.80 | 47.30 | 20.00 | 120.00 | 38.25 | 74.40 | 69.60 | 51.60 | 20.00 | 22.00 |
| Nitrogen | 74.25 | 74.25 | 0.00 | 0.00 | 0.00 | 56.25 | 36.00 | 45.00 | 0.00 | 0.00 | 0.00 | 40.50 | 0.00 |
| Phosphate | 28.00 | 28.00 | 16.00 | 16.00 | 16.00 | 24.00 | 16.00 | 16.00 | 12.00 | 12.00 | 12.00 | 16.00 | 12.00 |
| Potash | 15.75 | 15.75 | 22.75 | 22.75 | 22.75 | 14.00 | 12.25 | 7.00 | 17.50 | 17.50 | 17.50 | 8.75 | 17.50 |
| Limestone | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 |
| Starter & Foliar Fertilizer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pre-Emerge | 22.00 | 16.00 | 18.00 | 18.00 | 18.00 | 26.00 | 33.00 | 0.00 | 18.00 | 18.00 | 18.00 | 26.00 | 20.00 |
| Post-Emerge | 16.00 | 22.00 | 25.00 | 21.60 | 22.00 | 3.00 | 26.00 | 27.00 | 30.00 | 27.60 | 28.00 | 9.00 | 0.00 |
| Fungicide | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 |
| Insecticide | 18.00 | 5.00 | 5.00 | 5.00 | 5.00 | 25.00 | 32.00 | 10.00 | 18.00 | 18.00 | 18.00 | 35.00 | 8.00 |
| Drying Fuel & Electricity | 18.00 | 18.00 | 0.00 | 0.00 | 0.00 | 13.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.40 | 0.00 |
| Miscellaneous Overhead | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 4.80 |
| Machinery Fuel | 17.00 | 17.00 | 9.00 | 9.00 | 9.00 | 16.00 | 22.00 | 9.00 | 6.00 | 6.00 | 6.00 | 11.00 | 6.00 |
| Machinery Repairs | 17.00 | 17.00 | 10.00 | 10.00 | 10.00 | 16.00 | 30.00 | 10.00 | 7.00 | 7.00 | 7.00 | 14.00 | 14.00 |
| Hauling & Transportation | 25.50 | 25.50 | 7.65 | 7.65 | 7.65 | 18.70 | 0.00 | 11.90 | 5.95 | 5.95 | 5.95 | 11.90 | 12.00 |
| Growth Regulator (Cotton) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Defoliation & Desiccation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 |
| Labor | 35.00 | 35.00 | 18.00 | 18.00 | 18.00 | 33.00 | 42.00 | 18.00 | 13.00 | 13.00 | 13.00 | 25.00 | 28.00 |
| Scouting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Custom Application | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 13.00 | 13.00 | 6.50 | 6.50 | 6.50 | 6.50 | 13.00 | 0.00 |
| Crop Insurance | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| Interest (1/2 year at 6.0%) | 12.38 | 12.97 | 7.73 | 7.49 | 7.01 | 9.44 | 13.67 | 7.26 | 7.40 | 7.18 | 6.65 | 7.85 | 5.06 |
| Total Variable Cost | \$ 425.13 | \$ 445.22 | \$ 265.33 | \$ 257.29 | \$ 240.71 | \$ 324.09 | \$ 469.42 | \$ 249.41 | \$ 254.00 | \$ 246.58 | \$ 228.45 | \$ 269.65 | \$ 173.61 |
| Fixed Costs | | | | | | | | | | | | | |
| Fixed Machinery Cost | 52.00 | 52.00 | 34.00 | 34.00 | 34.00 | 48.00 | 107.00 | 33.00 | 25.00 | 25.00 | 25.00 | 38.00 | 43.00 |
| Fixed Buildings & Bins Cost | 18.00 | 18.00 | 7.00 | 7.00 | 7.00 | 17.00 | 3.00 | 4.00 | 7.00 | 7.00 | 7.00 | 11.00 | 3.00 |
| Total Costs (Excluding Land) | \$ 495.13 | \$ 515.22 | \$ 306.33 | \$ 298.29 | \$ 281.71 | \$ 389.09 | \$ 579.42 | \$ 286.41 | \$ 286.00 | \$ 278.58 | \$ 260.45 | \$ 318.65 | \$ 219.61 |
| Land Real Estate Taxes | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 |
| Land Interest | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 78.75 | 78.75 | 78.75 | 78.75 | 78.75 | 78.75 |
| Total Cost | \$ 665.23 | \$ 685.32 | \$ 476.43 | \$ 468.39 | \$ 451.81 | \$ 559.19 | \$ 749.52 | \$ 371.46 | \$ 371.05 | \$ 363.63 | \$ 345.50 | \$ 403.70 | \$ 304.66 |
| Estimated Returns | | | | | | | | | | | | | |
| Returns Above Variable Costs | \$137.37 | \$117.28 | \$151.56 | \$159.60 | \$176.18 | \$57.61 | \$43.98 | \$48.19 | \$100.80 | \$108.22 | \$126.35 | \$42.65 | \$66.39 |
| Returns Above Mach & Buildings | \$67.37 | \$47.28 | \$110.56 | \$118.60 | \$135.18 | (\$7.39) | (\$66.02) | \$11.19 | \$68.80 | \$76.22 | \$94.35 | (\$6.35) | \$20.39 |
| Returns Above Total Costs | (\$102.73) | (\$122.82) | (\$59.54) | (\$51.50) | (\$34.92) | (\$177.49) | (\$236.12) | (\$73.86) | (\$16.25) | (\$8.83) | \$9.30 | (\$91.40) | (\$64.66) |
| Breakeven Price | \$4.43 | \$4.57 | \$10.14 | \$9.97 | \$9.61 | \$5.08 | \$0.88 | \$6.19 | \$9.28 | \$9.09 | \$8.64 | \$4.49 | \$0.25 |

A - Estimated Yield is based on the 5 year Southeast Missouri Average (2010-2014)

B - Estimated Price is from the December 2015 FAPRI Baseline Report

C - Costs are from the Southeast Missouri Crop Budgets for 2016

**University of Missouri Extension
Southeast Missouri Irrigation Crop Budgets 2016**

| | Corn GMO | Non- GMO | Corn GMO | Soybean Roundup Ready | Soybean Liberty Link | Soybean Convnt. | Grain Sorghum | Pop Corn | Cotton | Rice Convnt. | Rice Hybrid | Rice Clearfield | Rice Clearfield Hybrid | Wheat | D. C. Soybean R.R. | D. C. Soybean L.L. | D. C. Soybean Convnt. | D. C. Grain Sorghum | D. C. Southern Peas |
|--|------------------|------------------|------------------|-----------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------------------|------------------|--------------------------|--------------------------|-----------------------------|------------------------|---------------------------|
| Revenue | | | | | | | | | | | | | | | | | | | |
| Estimated Yield (Bu/Acre) ^A | 190 | 190 | 190 | 57 | 57 | 57 | 140 | 5000 | 1200 | 150 | 180 | 150 | 150 | 60 | 50 | 50 | 50 | 110 | 1600 |
| Estimated Price (\$/Bushel) ^B | \$3.75 | \$3.75 | \$3.75 | \$8.87 | \$8.87 | \$8.87 | \$3.47 | \$0.11 | \$0.604 | \$5.66 | \$5.66 | \$5.66 | \$5.66 | \$4.96 | \$8.87 | \$8.87 | \$8.87 | \$3.47 | \$0.20 |
| Estimated Gross Revenue (\$/Acre) | \$712.50 | \$712.50 | \$712.50 | \$505.59 | \$505.59 | \$505.59 | \$485.80 | \$550.00 | \$724.80 | \$849.00 | \$1,018.80 | \$849.00 | \$849.00 | \$297.60 | \$443.50 | \$443.50 | \$443.50 | \$381.70 | \$320.00 |
| Variable Cost^C | | | | | | | | | | | | | | | | | | | |
| | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre | \$/Acre |
| Seed | 86.63 | 127.88 | 74.40 | 69.60 | 51.60 | 25.00 | 50.00 | 120.00 | 26.00 | 130.00 | 86.75 | 128.00 | 38.25 | 74.40 | 69.60 | 51.60 | 25.00 | 22.00 | 22.00 |
| Nitrogen | 99.00 | 99.00 | 0.00 | 0.00 | 0.00 | 67.50 | 83.25 | 36.00 | 67.50 | 67.50 | 45.00 | 45.00 | 0.00 | 0.00 | 0.00 | 56.25 | 0.00 | 0.00 | 0.00 |
| Phosphate | 36.00 | 36.00 | 18.00 | 18.00 | 18.00 | 28.00 | 32.00 | 20.00 | 22.00 | 20.00 | 22.00 | 22.00 | 16.00 | 16.00 | 16.00 | 16.00 | 24.00 | 16.00 | 16.00 |
| Potash | 21.00 | 21.00 | 28.00 | 28.00 | 28.00 | 15.75 | 21.00 | 15.75 | 10.50 | 10.50 | 10.50 | 10.50 | 7.00 | 22.75 | 22.75 | 22.75 | 14.00 | 22.75 | 22.75 |
| Limestone | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 0.00 | 0.00 | 0.00 | 0.00 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 |
| Starter & Foliar Fertilizer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pre-Emerge | 22.00 | 16.00 | 18.00 | 18.00 | 18.00 | 26.00 | 10.00 | 33.00 | 20.00 | 20.00 | 40.00 | 40.00 | 0.00 | 18.00 | 18.00 | 18.00 | 28.00 | 20.00 | 20.00 |
| Post-Emerge | 16.00 | 22.00 | 25.00 | 21.60 | 22.00 | 3.00 | 32.00 | 26.00 | 60.00 | 60.00 | 30.00 | 30.00 | 27.00 | 30.00 | 27.60 | 28.00 | 9.00 | 0.00 | 0.00 |
| Fungicide | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 15.00 | 0.00 | 18.00 | 0.00 | 18.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 |
| Insecticide | 18.00 | 5.00 | 5.00 | 5.00 | 5.00 | 25.00 | 15.00 | 32.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 18.00 | 18.00 | 18.00 | 35.00 | 8.00 | 8.00 |
| Drying Fuel & Electricity | 24.00 | 24.00 | 0.00 | 0.00 | 0.00 | 15.60 | 0.00 | 0.00 | 48.00 | 54.00 | 48.00 | 54.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.20 | 0.00 | 0.00 |
| Miscellaneous Overhead | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 |
| Machinery Fuel | 17.00 | 17.00 | 9.00 | 9.00 | 9.00 | 16.00 | 17.00 | 22.00 | 20.00 | 20.00 | 20.00 | 20.00 | 9.00 | 6.00 | 6.00 | 6.00 | 11.00 | 14.00 | 14.00 |
| Machinery Repairs | 17.00 | 17.00 | 10.00 | 10.00 | 10.00 | 16.00 | 17.00 | 30.00 | 19.00 | 19.00 | 19.00 | 19.00 | 10.00 | 7.00 | 7.00 | 7.00 | 14.00 | 12.00 | 12.00 |
| Hauling & Transportation | 34.00 | 34.00 | 9.35 | 9.35 | 9.35 | 22.10 | 7.50 | 0.00 | 27.20 | 30.60 | 27.20 | 30.60 | 11.90 | 7.65 | 7.65 | 7.65 | 18.70 | 6.40 | 6.40 |
| Growth Regulator (Cotton) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Defoliation & Desiccation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 |
| Labor | 35.00 | 35.00 | 18.00 | 18.00 | 18.00 | 33.00 | 35.00 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | 18.00 | 13.00 | 13.00 | 13.00 | 25.00 | 28.00 | 28.00 |
| Irrigation Fuel (Acre Inches) | 24.00 | 24.00 | 16.00 | 16.00 | 16.00 | 20.00 | 24.00 | 18.00 | 40.00 | 40.00 | 40.00 | 40.00 | 0.00 | 16.00 | 20.00 | 16.00 | 16.00 | 16.00 | 16.00 |
| Irrigation Repairs | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 15.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 0.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| Irrigation Labor | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 7.00 | 7.00 | 7.00 | 7.00 | 0.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| Scouting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Custom Application | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 13.00 | 6.50 | 13.00 | 26.00 | 19.50 | 26.00 | 19.50 | 6.50 | 6.50 | 6.50 | 6.50 | 13.00 | 0.00 | 0.00 |
| Crop Insurance | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| Interest (1/2 year at 6.0%) | 15.65 | 16.50 | 9.08 | 8.84 | 8.31 | 11.29 | 12.62 | 15.01 | 14.92 | 17.64 | 16.44 | 17.28 | 7.26 | 8.63 | 8.53 | 7.88 | 10.18 | 6.28 | 6.28 |
| Total Variable Cost | \$ 537.27 | \$ 566.37 | \$ 311.83 | \$ 303.39 | \$ 285.26 | \$ 387.74 | \$ 433.37 | \$ 515.26 | \$ 512.12 | \$ 605.74 | \$ 564.39 | \$ 593.38 | \$ 249.41 | \$ 296.18 | \$ 292.88 | \$ 270.63 | \$ 349.58 | \$ 215.68 | \$ 215.68 |
| Fixed Costs | | | | | | | | | | | | | | | | | | | |
| Fixed Machinery Cost | 52.00 | 52.00 | 34.00 | 34.00 | 34.00 | 47.00 | 52.00 | 107.00 | 64.00 | 64.00 | 64.00 | 64.00 | 33.00 | 25.00 | 25.00 | 25.00 | 38.00 | 43.00 | 43.00 |
| Fixed Buildings & Bins Cost | 23.00 | 23.00 | 8.00 | 8.00 | 8.00 | 18.00 | 3.00 | 3.00 | 15.00 | 17.00 | 15.00 | 17.00 | 4.00 | 7.00 | 7.00 | 7.00 | 13.00 | 3.00 | 3.00 |
| Fixed Irrigation Cost | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 | 73.00 | 73.00 | 73.00 | 73.00 | 0.00 | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 | 77.00 |
| Total Costs (Excluding Land) | \$ 689.27 | \$ 718.37 | \$ 430.83 | \$ 422.39 | \$ 404.26 | \$ 529.74 | \$ 565.37 | \$ 702.26 | \$ 664.12 | \$ 759.74 | \$ 716.39 | \$ 747.38 | \$ 286.41 | \$ 405.18 | \$ 401.88 | \$ 379.63 | \$ 477.58 | \$ 338.68 | \$ 338.68 |
| Land Real Estate Taxes | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 12.60 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 |
| Land Interest | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 157.50 | 78.75 | 78.75 | 78.75 | 78.75 | 78.75 | 78.75 | 78.75 |
| Total Cost | \$ 859.37 | \$ 888.47 | \$ 600.93 | \$ 592.49 | \$ 574.36 | \$ 699.84 | \$ 735.47 | \$ 872.36 | \$ 834.22 | \$ 929.84 | \$ 886.49 | \$ 917.48 | \$ 371.46 | \$ 490.23 | \$ 486.93 | \$ 464.68 | \$ 562.63 | \$ 423.73 | \$ 423.73 |
| Estimated Returns | | | | | | | | | | | | | | | | | | | |
| Returns Above Variable Costs | \$175.23 | \$146.13 | \$193.76 | \$202.20 | \$220.33 | \$98.06 | \$116.63 | \$209.54 | \$336.88 | \$413.06 | \$284.61 | \$255.62 | \$48.19 | \$147.32 | \$150.62 | \$172.87 | \$32.12 | \$104.32 | \$104.32 |
| Returns Above Mach & Buildings | \$23.23 | (\$5.87) | \$74.76 | \$83.20 | \$101.33 | (\$43.94) | (\$15.37) | \$22.54 | \$184.88 | \$259.06 | \$132.61 | \$101.62 | \$11.19 | \$38.32 | \$41.62 | \$63.87 | (\$95.88) | (\$18.68) | (\$18.68) |
| Returns Above Total Costs | (\$146.87) | (\$175.97) | (\$95.34) | (\$86.90) | (\$68.77) | (\$214.04) | (\$185.47) | (\$147.56) | \$14.78 | \$88.96 | (\$37.49) | (\$68.48) | (\$73.86) | (\$46.73) | (\$43.43) | (\$21.18) | (\$180.93) | (\$103.73) | (\$103.73) |
| Breakeven Price | \$4.52 | \$4.68 | \$10.54 | \$10.39 | \$10.08 | \$5.00 | \$0.15 | \$0.73 | \$5.56 | \$5.17 | \$5.91 | \$6.12 | \$6.19 | \$9.80 | \$9.74 | \$9.29 | \$5.11 | \$0.26 | \$0.26 |

A - Estimated Yield is based on the 5 year Southeast Missouri Average (2010-2014)

B - Estimated Price is from the December 2015 FAPRI Baseline Report

C - Costs are from the Southeast Missouri Crop Budgets for 2016