

## University of Missouri Extension Southeast Missouri Crop Budgets 2011

This spreadsheet provides an estimate of the production costs and returns for the major row crops grown in Southeast Missouri for 2011. The enterprise budgets are designed to provide planning data for farmers, landowners, research and extension staff, agriculture lending agencies, 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.

There are **Two Crop Decision Aid Worksheets** to 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.

### **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 or to the Decision Aid Worksheets.

David Reinbott  
Agriculture Business Specialist  
Scott County University of Missouri Extension Service  
P.O. Box 187  
Benton, MO 63736  
(573)545-3516  
[reinbottd@missouri.edu](mailto:reinbottd@missouri.edu)  
<http://outreach.missouri.edu/seregion/fmmkt.htm>

## Crop Budgets

|  |  |   |   |
|--|--|---|---|
| <a href="#">Corn Non-GMO</a>                               | <a href="#">Corn Non-GMO Irrigated</a>                               | <a href="#">GMO Corn</a>                                  | <a href="#">GMO Corn Irrigated</a>                                  |
| <a href="#">Liberty Link Soybeans</a>                      | <a href="#">Liberty Link Soybeans Irrigated</a>                      | <a href="#">Roundup Ready Soybeans</a>                    | <a href="#">Roundup Ready Soybeans Irrigated</a>                    |
| <a href="#">Conventional Soybeans</a>                      | <a href="#">Conventional Soybeans Irrigated</a>                      | <a href="#">Grain Sorghum</a>                             | <a href="#">Grain Sorghum Irrigated</a>                             |
| <a href="#">Wheat</a>                                      | <a href="#">Popcorn</a>  | <a href="#">RR Bt Cotton</a>                              | <a href="#">RR Bt Cotton Irrigated</a>                              |
| <a href="#">Rice - Conventional</a>                        | <a href="#">Rice - Clearfield</a>                                    | <a href="#">Rice - Hybrid</a>                             | <a href="#">Rice - Hybrid Clearfield</a>                            |
| <a href="#">No Till Double Crop Roundup Ready Soybeans</a> | <a href="#">Irrigated No Till Double Crop Roundup Ready Soybeans</a> | <a href="#">No Till Double Crop Conventional Soybeans</a> | <a href="#">Irrigated No Till Double Crop Conventional Soybeans</a> |
| <a href="#">No Till Double Crop Liberty Link Soybeans</a>  | <a href="#">Irrigated No Till Double Crop Liberty Link Soybeans</a>  | <a href="#">No Till Double Crop Grain Sorghum</a>         | <a href="#">Irrigated No Till Double Crop Grain Sorghum</a>         |
| <a href="#">Double Crop Southern Pea</a>                   | <a href="#">Irrigated Double Crop Southern Pea</a>                   | <a href="#">Crop Decision Aid - Breakeven Analysis</a>    | <a href="#">Crop Decision Aid - Net Returns</a>                     |

**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Non-GMO Corn Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed                          | 0.3                | Bags        | 160.00          | 48.00              |                      |
| Nitrogen                      | 150                | Pounds      | 0.55            | 82.50              |                      |
| Phosphate                     | 60                 | Pounds      | 0.60            | 36.00              |                      |
| Potash                        | 50                 | Pounds      | 0.55            | 27.50              |                      |
| Limestone                     | 0.5                | Tons        | 27.00           | 13.50              |                      |
| 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        | 23.00           | 23.00              |                      |
| Post-Emerge                   | 1                  | Acre        | 13.00           | 13.00              |                      |
| Fungicide                     | 1                  | Acre        | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre        | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 140                | Bushels     | 0.18            | 25.20              |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre        | 19.00           | 19.00              |                      |
| Machinery Repairs             | 1                  | Acre        | 14.00           | 14.00              |                      |
| Hauling & Transportation*     | 140                | Bushels     | 0.17            | 23.80              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre        | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre        | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre        | 26.00           | 26.00              |                      |
| Irrigation Labor              | 0                  | Acre        | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre        | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 13.69              |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 404.69</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 42.00           | 42.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre        | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 456.69</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre        | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 587.76</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$3.91           | \$4.43                          | \$5.74        | 170              | \$2.44           | \$2.75                          | \$3.52        |
| 110              | \$3.58           | \$4.06                          | \$5.25        | 180              | \$2.33           | \$2.61                          | \$3.34        |
| 120              | \$3.31           | \$3.75                          | \$4.84        | 190              | \$2.22           | \$2.50                          | \$3.19        |
| 130              | \$3.09           | \$3.49                          | \$4.49        | 200              | \$2.13           | \$2.39                          | \$3.04        |
| 140              | \$2.89           | \$3.26                          | \$4.20        | 210              | \$2.04           | \$2.29                          | \$2.92        |
| 150              | \$2.72           | \$3.07                          | \$3.94        | 220              | \$1.97           | \$2.20                          | \$2.80        |
| 160              | \$2.57           | \$2.90                          | \$3.72        | 230              | \$1.90           | \$2.12                          | \$2.69        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Center Pivot Irrigated Non-GMO Corn Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.4                | Bags    | 160.00          | 64.00              |                      |
| Nitrogen                      | 210                | Pounds  | 0.55            | 115.50             |                      |
| Phosphate                     | 80                 | Pounds  | 0.60            | 48.00              |                      |
| Potash                        | 60                 | Pounds  | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| 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    | 23.00           | 23.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 13.00           | 13.00              |                      |
| Fungicide                     | 1                  | Acre    | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 180                | Bushels | 0.18            | 32.40              |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 19.00           | 19.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 14.00           | 14.00              |                      |
| Hauling & Transportation*     | 180                | Bushels | 0.17            | 30.60              |                      |
| Irrigation Fuel (Acre Inches) | 12                 | Acre    | 2.75            | 33.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 26.00           | 26.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 18.18              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 537.68</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 42.00           | 42.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 13.00           | 13.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 660.68</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 791.75</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 140              | \$3.74           | \$4.62                          | \$5.56        | 210              | \$2.61           | \$3.20                          | \$3.82        |
| 150              | \$3.51           | \$4.33                          | \$5.21        | 220              | \$2.51           | \$3.07                          | \$3.66        |
| 160              | \$3.32           | \$4.09                          | \$4.90        | 230              | \$2.41           | \$2.95                          | \$3.52        |
| 170              | \$3.14           | \$3.87                          | \$4.64        | 240              | \$2.33           | \$2.84                          | \$3.39        |
| 180              | \$2.99           | \$3.67                          | \$4.40        | 250              | \$2.25           | \$2.74                          | \$3.27        |
| 190              | \$2.85           | \$3.50                          | \$4.19        | 260              | \$2.18           | \$2.65                          | \$3.15        |
| 200              | \$2.72           | \$3.34                          | \$3.99        | 270              | \$2.11           | \$2.56                          | \$3.05        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 GMO Corn Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.3                | Bags    | 235.00          | 70.50              |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 60                 | Pounds  | 0.60            | 36.00              |                      |
| Potash                        | 50                 | Pounds  | 0.55            | 27.50              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| 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    | 12.00           | 12.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 12.00           | 12.00              |                      |
| Fungicide                     | 1                  | Acre    | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 140                | Bushels | 0.18            | 25.20              |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 19.00           | 19.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 14.00           | 14.00              |                      |
| Hauling & Transportation*     | 140                | Bushels | 0.17            | 23.80              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 14.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 26.00           | 26.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 14.05              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 415.55</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 42.00           | 42.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 467.55</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 598.62</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$4.02           | \$4.54                          | \$5.85        | 170              | \$2.51           | \$2.81                          | \$3.58        |
| 110              | \$3.68           | \$4.16                          | \$5.35        | 180              | \$2.39           | \$2.68                          | \$3.40        |
| 120              | \$3.40           | \$3.84                          | \$4.93        | 190              | \$2.28           | \$2.55                          | \$3.24        |
| 130              | \$3.17           | \$3.57                          | \$4.58        | 200              | \$2.18           | \$2.44                          | \$3.10        |
| 140              | \$2.97           | \$3.34                          | \$4.28        | 210              | \$2.10           | \$2.34                          | \$2.97        |
| 150              | \$2.79           | \$3.14                          | \$4.01        | 220              | \$2.02           | \$2.25                          | \$2.85        |
| 160              | \$2.64           | \$2.97                          | \$3.79        | 230              | \$1.94           | \$2.17                          | \$2.74        |

**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Center Pivot Irrigated GMO Corn Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed                          | 0.4                | Bags        | 235.00          | 94.00              |                      |
| Nitrogen                      | 210                | Pounds      | 0.55            | 115.50             |                      |
| Phosphate                     | 80                 | Pounds      | 0.60            | 48.00              |                      |
| Potash                        | 60                 | Pounds      | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons        | 27.00           | 13.50              |                      |
| 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        | 12.00           | 12.00              |                      |
| Post-Emerge                   | 1                  | Acre        | 12.00           | 12.00              |                      |
| Fungicide                     | 1                  | Acre        | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre        | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 180                | Bushels     | 0.18            | 32.40              |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre        | 19.00           | 19.00              |                      |
| Machinery Repairs             | 1                  | Acre        | 14.00           | 14.00              |                      |
| Hauling & Transportation*     | 180                | Bushels     | 0.17            | 30.60              |                      |
| Irrigation Fuel (Acre Inches) | 12                 | Acre        | 2.75            | 33.00              |                      |
| Irrigation Repairs            | 1                  | Acre        | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre        | 26.00           | 26.00              |                      |
| Irrigation Labor              | 1                  | Acre        | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre        | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 18.81              |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 556.31</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 42.00           | 42.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 13.00           | 13.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre        | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 679.31</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre        | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 810.38</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 140              | \$3.87           | \$4.75                          | \$5.69        | 210              | \$2.70           | \$3.28                          | \$3.91        |
| 150              | \$3.64           | \$4.46                          | \$5.33        | 220              | \$2.59           | \$3.15                          | \$3.75        |
| 160              | \$3.43           | \$4.20                          | \$5.02        | 230              | \$2.49           | \$3.03                          | \$3.60        |
| 170              | \$3.25           | \$3.98                          | \$4.75        | 240              | \$2.41           | \$2.92                          | \$3.46        |
| 180              | \$3.09           | \$3.77                          | \$4.50        | 250              | \$2.32           | \$2.82                          | \$3.34        |
| 190              | \$2.95           | \$3.59                          | \$4.28        | 260              | \$2.25           | \$2.72                          | \$3.22        |
| 200              | \$2.82           | \$3.43                          | \$4.09        | 270              | \$2.18           | \$2.63                          | \$3.12        |

## University of Missouri Extension Southeast Missouri Crop Budget

# 2011 Liberty Link Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.1                | Bags    | 47.00           | 51.70              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 60                 | Pounds  | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge - Ignite          | 44                 | Ounces  | 0.53            | 23.32              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.07            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 8.56               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 253.23</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 293.23</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 424.30</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$12.45          | \$14.45                         | \$21.00       | 55               | \$4.64           | \$5.36                          | \$7.75        |
| 25               | \$9.99           | \$11.59                         | \$16.84       | 60               | \$4.26           | \$4.93                          | \$7.11        |
| 30               | \$8.36           | \$9.69                          | \$14.06       | 65               | \$3.95           | \$4.56                          | \$6.58        |
| 35               | \$7.19           | \$8.33                          | \$12.07       | 70               | \$3.68           | \$4.25                          | \$6.12        |
| 40               | \$6.31           | \$7.31                          | \$10.59       | 75               | \$3.44           | \$3.98                          | \$5.73        |
| 45               | \$5.63           | \$6.52                          | \$9.43        | 80               | \$3.24           | \$3.74                          | \$5.38        |
| 50               | \$5.08           | \$5.88                          | \$8.50        | 85               | \$3.06           | \$3.53                          | \$5.07        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Center Pivot Irr. Liberty Link Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 70                 | Pounds  | 0.55            | 38.50              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge - Ignite          | 44                 | Ounces  | 0.53            | 23.32              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.07            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 50                 | Bushels | 0.17            | 8.50               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 10.25              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 302.97</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 410.97</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 542.04</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$14.89          | \$20.29                         | \$26.85       | 55               | \$5.52           | \$7.49                          | \$9.87        |
| 25               | \$11.95          | \$16.27                         | \$21.51       | 60               | \$5.08           | \$6.88                          | \$9.06        |
| 30               | \$9.99           | \$13.59                         | \$17.95       | 65               | \$4.70           | \$6.36                          | \$8.38        |
| 35               | \$8.58           | \$11.67                         | \$15.41       | 70               | \$4.38           | \$5.92                          | \$7.79        |
| 40               | \$7.53           | \$10.23                         | \$13.51       | 75               | \$4.10           | \$5.54                          | \$7.28        |
| 45               | \$6.71           | \$9.11                          | \$12.03       | 80               | \$3.85           | \$5.20                          | \$6.84        |
| 50               | \$6.06           | \$8.22                          | \$10.84       | 85               | \$3.63           | \$4.90                          | \$6.45        |



## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Roundup Ready Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.1                | Bags    | 47.00           | 51.70              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 60                 | Pounds  | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 24.00           | 24.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.07            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 8.59               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 253.94</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 293.94</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 425.01</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$12.48          | \$14.48                         | \$21.04       | 55               | \$4.65           | \$5.38                          | \$7.76        |
| 25               | \$10.02          | \$11.62                         | \$16.86       | 60               | \$4.27           | \$4.94                          | \$7.13        |
| 30               | \$8.38           | \$9.71                          | \$14.08       | 65               | \$3.96           | \$4.57                          | \$6.59        |
| 35               | \$7.21           | \$8.35                          | \$12.09       | 70               | \$3.69           | \$4.26                          | \$6.13        |
| 40               | \$6.33           | \$7.33                          | \$10.60       | 75               | \$3.45           | \$3.99                          | \$5.73        |
| 45               | \$5.64           | \$6.53                          | \$9.44        | 80               | \$3.25           | \$3.75                          | \$5.39        |
| 50               | \$5.10           | \$5.90                          | \$8.52        | 85               | \$3.07           | \$3.54                          | \$5.08        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Center Pivot Irr. Roundup Ready Soybeans

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 70                 | Pounds  | 0.55            | 38.50              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 24.00           | 24.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.06            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 50                 | Bushels | 0.17            | 8.50               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 10.27              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 303.67</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 411.67</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 542.74</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 30               | \$10.01          | \$13.61                         | \$17.98       | 65               | \$4.71           | \$6.37                          | \$8.39        |
| 35               | \$8.60           | \$11.69                         | \$15.43       | 70               | \$4.39           | \$5.93                          | \$7.80        |
| 40               | \$7.55           | \$10.25                         | \$13.53       | 75               | \$4.11           | \$5.55                          | \$7.29        |
| 45               | \$6.73           | \$9.13                          | \$12.04       | 80               | \$3.86           | \$5.21                          | \$6.85        |
| 50               | \$6.07           | \$8.23                          | \$10.85       | 85               | \$3.64           | \$4.91                          | \$6.46        |
| 55               | \$5.54           | \$7.50                          | \$9.88        | 90               | \$3.45           | \$4.65                          | \$6.11        |
| 60               | \$5.09           | \$6.89                          | \$9.07        | 95               | \$3.28           | \$4.41                          | \$5.79        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Conventional Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.1                | Bags    | 23.00           | 25.30              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 60                 | Pounds  | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 30.00           | 30.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 7.87               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 232.82</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 272.82</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 403.89</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$11.43          | \$13.43                         | \$19.98       | 55               | \$4.26           | \$4.99                          | \$7.37        |
| 25               | \$9.18           | \$10.78                         | \$16.02       | 60               | \$3.92           | \$4.59                          | \$6.77        |
| 30               | \$7.68           | \$9.01                          | \$13.38       | 65               | \$3.63           | \$4.25                          | \$6.27        |
| 35               | \$6.60           | \$7.75                          | \$11.49       | 70               | \$3.39           | \$3.96                          | \$5.83        |
| 40               | \$5.80           | \$6.80                          | \$10.08       | 75               | \$3.17           | \$3.71                          | \$5.45        |
| 45               | \$5.17           | \$6.06                          | \$8.98        | 80               | \$2.98           | \$3.48                          | \$5.12        |
| 50               | \$4.67           | \$5.47                          | \$8.09        | 85               | \$2.82           | \$3.29                          | \$4.83        |

## University of Missouri Extension Southeast Missouri Crop Budget

# 2011 Center Pivot Irr. Conventional Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 23.00           | 27.60              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 70                 | Pounds  | 0.55            | 38.50              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 30.00           | 30.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 9.00            | 9.00               |                      |
| Hauling & Transportation*     | 50                 | Bushels | 0.17            | 8.50               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 9.47               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 280.07</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 30.00           | 30.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 388.07</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 519.14</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$13.75          | \$19.15                         | \$25.70       | 55               | \$5.11           | \$7.07                          | \$9.45        |
| 25               | \$11.03          | \$15.35                         | \$20.60       | 60               | \$4.70           | \$6.50                          | \$8.68        |
| 30               | \$9.22           | \$12.82                         | \$17.19       | 65               | \$4.35           | \$6.01                          | \$8.03        |
| 35               | \$7.93           | \$11.01                         | \$14.76       | 70               | \$4.05           | \$5.59                          | \$7.46        |
| 40               | \$6.96           | \$9.66                          | \$12.94       | 75               | \$3.79           | \$5.23                          | \$6.98        |
| 45               | \$6.20           | \$8.60                          | \$11.52       | 80               | \$3.56           | \$4.91                          | \$6.55        |
| 50               | \$5.60           | \$7.76                          | \$10.38       | 85               | \$3.36           | \$4.64                          | \$6.18        |

**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Grain Sorghum Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed                          | 0.16               | Bags        | 95.00           | 15.20              |                      |
| Nitrogen                      | 125                | Pounds      | 0.55            | 68.75              |                      |
| Phosphate                     | 50                 | Pounds      | 0.60            | 30.00              |                      |
| Potash                        | 30                 | Pounds      | 0.55            | 16.50              |                      |
| Limestone                     | 0.5                | Tons        | 27.00           | 13.50              |                      |
| 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        | 28.00           | 28.00              |                      |
| Post-Emerge                   | 1                  | Acre        | 3.00            | 3.00               |                      |
| Fungicide                     | 0                  | Acre        | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre        | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 110                | Bushels     | 0.17            | 18.70              |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre        | 21.00           | 21.00              |                      |
| Machinery Repairs             | 1                  | Acre        | 13.00           | 13.00              |                      |
| Hauling & Transportation*     | 110                | Bushels     | 0.17            | 18.70              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre        | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre        | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre        | 27.00           | 27.00              |                      |
| Irrigation Labor              | 0                  | Acre        | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre        | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 10.35              |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 306.20</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 39.00           | 39.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 12.00           | 12.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre        | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 357.20</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre        | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 488.27</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 70               | \$4.18           | \$4.91                          | \$6.78        | 140              | \$2.26           | \$2.62                          | \$3.56        |
| 80               | \$3.70           | \$4.34                          | \$5.98        | 150              | \$2.13           | \$2.47                          | \$3.35        |
| 90               | \$3.33           | \$3.89                          | \$5.35        | 160              | \$2.02           | \$2.34                          | \$3.16        |
| 100              | \$3.03           | \$3.54                          | \$4.85        | 170              | \$1.92           | \$2.22                          | \$2.99        |
| 110              | \$2.78           | \$3.25                          | \$4.44        | 180              | \$1.83           | \$2.12                          | \$2.84        |
| 120              | \$2.58           | \$3.01                          | \$4.10        | 190              | \$1.75           | \$2.02                          | \$2.71        |
| 130              | \$2.41           | \$2.80                          | \$3.81        | 200              | \$1.68           | \$1.94                          | \$2.59        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Center Pivot Irrigated Grain Sorghum Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.2                | Bags    | 95.00           | 19.00              |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 55                 | Pounds  | 0.60            | 33.00              |                      |
| Potash                        | 35                 | Pounds  | 0.55            | 19.25              |                      |
| Limestone                     | 0.5                | Tons    | 27.00           | 13.50              |                      |
| 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    | 28.00           | 28.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 3.00            | 3.00               |                      |
| Fungicide                     | 0                  | Acre    | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre    | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 130                | Bushels | 0.17            | 22.10              |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 21.00           | 21.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 13.00           | 13.00              |                      |
| Hauling & Transportation*     | 130                | Bushels | 0.17            | 22.10              |                      |
| Irrigation Fuel (Acre Inches) | 10                 | Acre    | 2.75            | 27.50              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 27.00           | 27.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 12.90              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 381.35</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 39.00           | 39.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 12.00           | 12.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 500.35</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 631.42</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$3.71           | \$4.90                          | \$6.21        | 170              | \$2.32           | \$3.02                          | \$3.79        |
| 110              | \$3.40           | \$4.49                          | \$5.68        | 180              | \$2.21           | \$2.87                          | \$3.60        |
| 120              | \$3.15           | \$4.14                          | \$5.23        | 190              | \$2.11           | \$2.74                          | \$3.43        |
| 130              | \$2.93           | \$3.85                          | \$4.86        | 200              | \$2.03           | \$2.62                          | \$3.28        |
| 140              | \$2.75           | \$3.60                          | \$4.53        | 210              | \$1.95           | \$2.51                          | \$3.14        |
| 150              | \$2.59           | \$3.38                          | \$4.25        | 220              | \$1.87           | \$2.41                          | \$3.01        |
| 160              | \$2.45           | \$3.19                          | \$4.01        | 230              | \$1.81           | \$2.32                          | \$2.89        |

## University of Missouri Extension Southeast Missouri Crop Budget

# 2011 Wheat Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 2.25               | Bags    | 16.00           | 36.00              |                      |
| Nitrogen                      | 105                | Pounds  | 0.55            | 57.75              |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 20                 | Pounds  | 0.55            | 11.00              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Starter Fertilizer            | 0                  | Acre    | 0.00            | -                  |                      |
| Zinc                          | 0                  | Pounds  | 0.00            | -                  |                      |
| Sulfur                        | 12                 | Pounds  | 0.65            | 7.80               |                      |
| Boron                         | 0                  | Pounds  | 0.00            | -                  |                      |
| Post-Emerge - Ryegrass        | 1                  | Acre    | 16.00           | 16.00              |                      |
| Post-Emerge - Broadleaf       | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fungicide                     | 1                  | Acre    | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Drying Fuel & Electricity*    | 70                 | Bushels | 0.07            | 4.90               |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 11.00           | 11.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 70                 | Bushels | 0.17            | 11.90              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 15.00           | 15.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 9.09               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 268.69</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 27.00           | 27.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 3.00            | 3.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 298.69</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 364.22</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 40               | \$6.54           | \$7.29                          | \$8.93        | 75               | \$3.60           | \$4.00                          | \$4.87        |
| 45               | \$5.84           | \$6.50                          | \$7.96        | 80               | \$3.39           | \$3.76                          | \$4.58        |
| 50               | \$5.28           | \$5.88                          | \$7.19        | 85               | \$3.20           | \$3.56                          | \$4.33        |
| 55               | \$4.82           | \$5.37                          | \$6.56        | 90               | \$3.04           | \$3.37                          | \$4.10        |
| 60               | \$4.44           | \$4.94                          | \$6.03        | 95               | \$2.89           | \$3.21                          | \$3.90        |
| 65               | \$4.12           | \$4.58                          | \$5.58        | 100              | \$2.76           | \$3.06                          | \$3.71        |
| 70               | \$3.84           | \$4.27                          | \$5.20        | 105              | \$2.64           | \$2.92                          | \$3.55        |

**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Center Pivot Irrigated Popcorn Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed + Treatment              | 10                 | Pounds      | 4.00            | 50.00              |                      |
| Nitrogen                      | 185                | Pounds      | 0.55            | 101.75             |                      |
| Phosphate                     | 80                 | Pounds      | 0.60            | 48.00              |                      |
| Potash                        | 60                 | Pounds      | 0.55            | 33.00              |                      |
| Limestone                     | 0.5                | Tons        | 27.00           | 13.50              |                      |
| 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        | 42.00           | 42.00              |                      |
| Post-Emerge                   | 0                  | Acre        | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acre        | 17.00           | 17.00              |                      |
| Insecticide                   | 1                  | Acre        | 6.00            | 6.00               |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels     | 0.17            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre        | 19.00           | 19.00              |                      |
| Machinery Repairs             | 1                  | Acre        | 14.00           | 14.00              |                      |
| Hauling & Transportation*     | 5000               | Pounds      | 0.0020          | 10.00              |                      |
| Irrigation Fuel (Acre Inches) | 12                 | Acre        | 2.75            | 33.00              |                      |
| Irrigation Repairs            | 1                  | Acre        | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre        | 25.00           | 25.00              |                      |
| Irrigation Labor              | 1                  | Acre        | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre        | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 15.53              |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 459.28</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 42.00           | 42.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre        | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 579.28</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre        | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 710.35</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in Cents/Pound**

| Yield<br>Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 3000             | \$0.152          | \$0.192                         | \$0.235       | 4750          | \$0.097          | \$0.122                         | \$0.149       |
| 3250             | \$0.140          | \$0.177                         | \$0.217       | 5000          | \$0.092          | \$0.116                         | \$0.142       |
| 3500             | \$0.130          | \$0.165                         | \$0.202       | 5250          | \$0.088          | \$0.110                         | \$0.135       |
| 3750             | \$0.122          | \$0.154                         | \$0.189       | 5500          | \$0.084          | \$0.106                         | \$0.129       |
| 4000             | \$0.114          | \$0.144                         | \$0.177       | 5750          | \$0.080          | \$0.101                         | \$0.124       |
| 4250             | \$0.108          | \$0.136                         | \$0.167       | 6000          | \$0.077          | \$0.097                         | \$0.119       |
| 4500             | \$0.102          | \$0.129                         | \$0.158       | 6250          | \$0.074          | \$0.093                         | \$0.114       |



**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Bollgard II/R. R. Flex Cotton Budget**

| Variable Cost                 | Number of<br>Units | Units  | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|--------|-----------------|--------------------|----------------------|
| Seed**                        | 1                  | Acre   | 110.00          | 110.00             |                      |
| Nitrogen                      | 80                 | Pounds | 0.55            | 44.00              |                      |
| Phosphate                     | 30                 | Pounds | 0.60            | 18.00              |                      |
| Potash                        | 30                 | Pounds | 0.55            | 16.50              |                      |
| Limestone                     | 0.5                | Tons   | 27.00           | 13.50              |                      |
| Sulfur                        | 0                  | Pounds | 0.00            | -                  |                      |
| Boron                         | 1                  | Pounds | 4.00            | 4.00               |                      |
| Early - Post with Residual    | 1                  | Acre   | 35.00           | 35.00              |                      |
| Post-Emerge - Glyphosate      | 2                  | Acre   | 6.00            | 12.00              |                      |
| Post-Emerge - Layby           | 1                  | Acre   | 10.00           | 10.00              |                      |
| Insecticide                   | 1                  | Acre   | 37.00           | 37.00              |                      |
| Boll Weevil Eradication       | 1                  | Acre   | 5.00            | 5.00               |                      |
| Growth Regulator              | 1                  | Acre   | 7.00            | 7.00               |                      |
| Defoliation                   | 1                  | Acre   | 17.00           | 17.00              |                      |
| Ginning (changes with Yield)  | 0                  | Pounds | 0.00            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre   | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre   | 36.00           | 36.00              |                      |
| Machinery Repairs             | 1                  | Acre   | 25.00           | 25.00              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre   | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre   | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre   | 52.00           | 52.00              |                      |
| Scout                         | 1                  | Acre   | 8.00            | 8.00               |                      |
| Irrigation Labor              | 0                  | Acre   | 4.00            | -                  |                      |
| Custom Application            | 2                  | Acre   | 6.50            | 13.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre   | 7.00%           | 16.56              |                      |
| <b>Total Variable</b>         |                    | Acre   |                 | <b>\$ 489.56</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre   | 90.00           | 90.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre   | 5.00            | 5.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre   | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre   |                 | <b>\$ 584.56</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre   | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre   | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre   |                 | <b>\$ 715.63</b>   |                      |

\*\*Seed cost includes Technology Fee

**Breakeven Price in Cents/Pound**

| Yield<br>Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 480              | \$1.020          | \$1.218                         | \$1.491       | 900           | \$0.544          | \$0.650                         | \$0.795       |
| 540              | \$0.907          | \$1.083                         | \$1.325       | 960           | \$0.510          | \$0.609                         | \$0.745       |
| 600              | \$0.816          | \$0.974                         | \$1.193       | 1020          | \$0.480          | \$0.573                         | \$0.702       |
| 660              | \$0.742          | \$0.886                         | \$1.084       | 1080          | \$0.453          | \$0.541                         | \$0.663       |
| 720              | \$0.680          | \$0.812                         | \$0.994       | 1140          | \$0.429          | \$0.513                         | \$0.628       |
| 780              | \$0.628          | \$0.749                         | \$0.917       | 1200          | \$0.408          | \$0.487                         | \$0.596       |
| 840              | \$0.583          | \$0.696                         | \$0.852       | 1260          | \$0.389          | \$0.464                         | \$0.568       |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Center Pivot Irr. Bollgard II/R. R. Flex Cotton

| Variable Cost                 | Number of<br>Units | Units  | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|--------|-----------------|--------------------|----------------------|
| Seed**                        | 1                  | Acre   | 110.00          | 110.00             |                      |
| Nitrogen                      | 80                 | Pounds | 0.55            | 44.00              |                      |
| Phosphate                     | 40                 | Pounds | 0.60            | 24.00              |                      |
| Potash                        | 35                 | Pounds | 0.55            | 19.25              |                      |
| Limestone                     | 0.5                | Tons   | 27.00           | 13.50              |                      |
| Sulfur                        | 0                  | Pounds | 0.00            | -                  |                      |
| Boron                         | 1                  | Pounds | 4.00            | 4.00               |                      |
| Early - Post with Residual    | 1                  | Acre   | 35.00           | 35.00              |                      |
| Post-Emerge - Glyphosate      | 2                  | Acre   | 6.00            | 12.00              |                      |
| Post-Emerge - Layby           | 1                  | Acre   | 10.00           | 10.00              |                      |
| Insecticide                   | 1                  | Acre   | 37.00           | 37.00              |                      |
| Boll Weevil Eradication       | 1                  | Acre   | 5.00            | 5.00               |                      |
| Growth Regulator              | 2                  | Acre   | 7.00            | 14.00              |                      |
| Defoliation                   | 1                  | Acre   | 17.00           | 17.00              |                      |
| Ginning (changes with Yield)  | 0                  | Pounds | 0.00            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre   | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre   | 36.00           | 36.00              |                      |
| Machinery Repairs             | 1                  | Acre   | 25.00           | 25.00              |                      |
| Irrigation Fuel (Acre Inches) | 9                  | Acre   | 2.75            | 24.75              |                      |
| Irrigation Repairs            | 1                  | Acre   | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre   | 52.00           | 52.00              |                      |
| Scout                         | 1                  | Acre   | 8.00            | 8.00               |                      |
| Irrigation Labor              | 1                  | Acre   | 4.00            | 4.00               |                      |
| Custom Application            | 2                  | Acre   | 6.50            | 13.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre   | 7.00%           | 18.53              |                      |
| <b>Total Variable</b>         |                    | Acre   |                 | <b>\$ 548.03</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre   | 90.00           | 90.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre   | 5.00            | 5.00               |                      |
| Fixed Irrigation Cost         | 1                  | Acre   | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre   |                 | <b>\$ 711.03</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre   | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre   | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre   |                 | <b>\$ 842.10</b>   |                      |

\*\*Seed cost includes Technology Fee

### Breakeven Price in Cents/Pound

| Yield<br>Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 720              | \$0.761          | \$0.988                         | \$1.170       | 1140          | \$0.481          | \$0.624                         | \$0.739       |
| 780              | \$0.703          | \$0.912                         | \$1.080       | 1200          | \$0.457          | \$0.593                         | \$0.702       |
| 840              | \$0.652          | \$0.846                         | \$1.003       | 1260          | \$0.435          | \$0.564                         | \$0.668       |
| 900              | \$0.609          | \$0.790                         | \$0.936       | 1320          | \$0.415          | \$0.539                         | \$0.638       |
| 960              | \$0.571          | \$0.741                         | \$0.877       | 1380          | \$0.397          | \$0.515                         | \$0.610       |
| 1020             | \$0.537          | \$0.697                         | \$0.826       | 1440          | \$0.381          | \$0.494                         | \$0.585       |
| 1080             | \$0.507          | \$0.658                         | \$0.780       | 1500          | \$0.365          | \$0.474                         | \$0.561       |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Rice Budget - Conventional Variety

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 90                 | Pounds  | 0.35            | 31.50              |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 40                 | Pounds  | 0.55            | 22.00              |                      |
| Limestone                     | 0                  | Tons    | 27.00           | -                  |                      |
| Zinc                          | 3                  | Pounds  | 1.75            | 5.25               |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acre    | 18.00           | 18.00              |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 50.00           | 50.00              |                      |
| 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    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 28.00           | 28.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Fuel               | 1                  | Acre    | 55.00           | 55.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 35.00           | 35.00              |                      |
| Scout                         | 1                  | Acre    | 8.00            | 8.00               |                      |
| Irrigation Labor              | 1                  | Acre    | 7.00            | 7.00               |                      |
| Custom Application            | 4                  | Acre    | 6.50            | 26.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 18.01              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 532.46</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 57.00           | 57.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 18.00           | 18.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 675.46</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 806.53</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$5.04           | \$6.47                          | \$7.78        | 170              | \$3.16           | \$4.00                          | \$4.77        |
| 110              | \$4.63           | \$5.93                          | \$7.12        | 180              | \$3.01           | \$3.80                          | \$4.53        |
| 120              | \$4.28           | \$5.47                          | \$6.56        | 190              | \$2.88           | \$3.63                          | \$4.32        |
| 130              | \$3.99           | \$5.09                          | \$6.10        | 200              | \$2.76           | \$3.47                          | \$4.13        |
| 140              | \$3.74           | \$4.76                          | \$5.69        | 210              | \$2.65           | \$3.33                          | \$3.95        |
| 150              | \$3.52           | \$4.47                          | \$5.35        | 220              | \$2.55           | \$3.20                          | \$3.79        |
| 160              | \$3.33           | \$4.22                          | \$5.04        | 230              | \$2.46           | \$3.08                          | \$3.65        |

## University of Missouri Extension Southeast Missouri Crop Budget

### 2011 Rice Budget - Clearfield

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 60                 | Pounds  | 0.93            | 55.80              |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 40                 | Pounds  | 0.55            | 22.00              |                      |
| Limestone                     | 0                  | Tons    | 27.00           | -                  |                      |
| Zinc                          | 3                  | Pounds  | 1.75            | 5.25               |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acre    | 18.00           | 18.00              |                      |
| Post-Emerge - Newpath         | 1                  | Acre    | 33.00           | 33.00              |                      |
| Post-Emerge - Propanil        | 1                  | Acre    | 12.00           | 12.00              |                      |
| 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    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 28.00           | 28.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Fuel               | 1                  | Acre    | 55.00           | 55.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 35.00           | 35.00              |                      |
| Scout                         | 1                  | Acre    | 8.00            | 8.00               |                      |
| Irrigation Labor              | 1                  | Acre    | 7.00            | 7.00               |                      |
| Custom Application            | 4                  | Acre    | 6.50            | 26.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 18.16              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 536.91</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 57.00           | 57.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 18.00           | 18.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 679.91</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 810.98</b>   |                      |

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$5.09           | \$6.52                          | \$7.83        | 170              | \$3.19           | \$4.03                          | \$4.80        |
| 110              | \$4.67           | \$5.97                          | \$7.16        | 180              | \$3.04           | \$3.83                          | \$4.56        |
| 120              | \$4.32           | \$5.51                          | \$6.60        | 190              | \$2.90           | \$3.65                          | \$4.34        |
| 130              | \$4.02           | \$5.12                          | \$6.13        | 200              | \$2.78           | \$3.49                          | \$4.15        |
| 140              | \$3.77           | \$4.79                          | \$5.73        | 210              | \$2.67           | \$3.35                          | \$3.97        |
| 150              | \$3.55           | \$4.50                          | \$5.38        | 220              | \$2.57           | \$3.22                          | \$3.81        |
| 160              | \$3.36           | \$4.25                          | \$5.07        | 230              | \$2.48           | \$3.10                          | \$3.67        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Hybrid Rice Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 25                 | Pounds  | 3.70            | 92.50              |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 40                 | Pounds  | 0.55            | 22.00              |                      |
| Limestone                     | 0                  | Tons    | 27.00           | -                  |                      |
| Zinc                          | 3                  | Pounds  | 1.75            | 5.25               |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Fungicide                     | 0                  | Ounces  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 50.00           | 50.00              |                      |
| 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    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 28.00           | 28.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Fuel               | 1                  | Acre    | 55.00           | 55.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 35.00           | 35.00              |                      |
| Scout                         | 1                  | Acre    | 8.00            | 8.00               |                      |
| Irrigation Labor              | 1                  | Acre    | 7.00            | 7.00               |                      |
| Custom Application            | 3                  | Acre    | 6.50            | 19.50              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 19.61              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 579.96</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 57.00           | 57.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 20.00           | 20.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 724.96</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 856.03</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 120              | \$4.60           | \$5.81                          | \$6.90        | 190              | \$3.08           | \$3.84                          | \$4.53        |
| 130              | \$4.28           | \$5.40                          | \$6.40        | 200              | \$2.95           | \$3.67                          | \$4.33        |
| 140              | \$4.01           | \$5.04                          | \$5.98        | 210              | \$2.83           | \$3.52                          | \$4.14        |
| 150              | \$3.77           | \$4.74                          | \$5.61        | 220              | \$2.72           | \$3.38                          | \$3.98        |
| 160              | \$3.57           | \$4.47                          | \$5.29        | 230              | \$2.62           | \$3.25                          | \$3.82        |
| 170              | \$3.38           | \$4.24                          | \$5.01        | 240              | \$2.53           | \$3.14                          | \$3.68        |
| 180              | \$3.22           | \$4.03                          | \$4.76        | 250              | \$2.45           | \$3.03                          | \$3.56        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Hybrid Rice Budget - Clearfield

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 25                 | Pounds  | 4.80            | 124.00             |                      |
| Nitrogen                      | 150                | Pounds  | 0.55            | 82.50              |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 40                 | Pounds  | 0.55            | 22.00              |                      |
| Limestone                     | 0                  | Tons    | 27.00           | -                  |                      |
| Zinc                          | 3                  | Pounds  | 1.75            | 5.25               |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Fungicide                     | 0                  | Ounces  | 0.00            | -                  |                      |
| Post-Emerge - Newpath         | 1                  | Acre    | 33.00           | 33.00              |                      |
| Post-Emerge - Propanil        | 1                  | Acre    | 12.00           | 12.00              |                      |
| 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    | 10.00           | 10.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 28.00           | 28.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 16.00           | 16.00              |                      |
| Irrigation Fuel               | 1                  | Acre    | 55.00           | 55.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 35.00           | 35.00              |                      |
| Scout                         | 1                  | Acre    | 8.00            | 8.00               |                      |
| Irrigation Labor              | 1                  | Acre    | 7.00            | 7.00               |                      |
| Custom Application            | 3                  | Acre    | 6.50            | 19.50              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 20.01              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 591.86</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 57.00           | 57.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 20.00           | 20.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 736.86</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 7.71               |                      |
| Land Interest                 | 3084               | Acre    | 4.00%           | 123.36             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 867.93</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 120              | \$4.70           | \$5.91                          | \$7.00        | 190              | \$3.14           | \$3.90                          | \$4.59        |
| 130              | \$4.37           | \$5.49                          | \$6.50        | 200              | \$3.01           | \$3.73                          | \$4.39        |
| 140              | \$4.09           | \$5.13                          | \$6.07        | 210              | \$2.89           | \$3.58                          | \$4.20        |
| 150              | \$3.85           | \$4.82                          | \$5.69        | 220              | \$2.78           | \$3.43                          | \$4.03        |
| 160              | \$3.64           | \$4.55                          | \$5.37        | 230              | \$2.68           | \$3.31                          | \$3.88        |
| 170              | \$3.45           | \$4.31                          | \$5.08        | 240              | \$2.58           | \$3.19                          | \$3.73        |
| 180              | \$3.29           | \$4.09                          | \$4.82        | 250              | \$2.50           | \$3.08                          | \$3.60        |

## University of Missouri Extension Southeast Missouri Crop Budget

# 2011 No-Till Double Crop Roundup Ready Soybean

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 50                 | Pounds  | 0.55            | 27.50              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 25.00           | 25.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 35                 | Bushels | 0.17            | 5.95               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 12.00           | 12.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 7.98               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 236.08</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 8.00            | 8.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 267.08</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 332.62</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$11.68          | \$13.23                         | \$16.50       | 55               | \$4.35           | \$4.92                          | \$6.11        |
| 25               | \$9.38           | \$10.62                         | \$13.24       | 60               | \$4.01           | \$4.52                          | \$5.61        |
| 30               | \$7.84           | \$8.87                          | \$11.06       | 65               | \$3.71           | \$4.19                          | \$5.20        |
| 35               | \$6.75           | \$7.63                          | \$9.50        | 70               | \$3.46           | \$3.90                          | \$4.84        |
| 40               | \$5.92           | \$6.70                          | \$8.34        | 75               | \$3.24           | \$3.65                          | \$4.53        |
| 45               | \$5.28           | \$5.97                          | \$7.43        | 80               | \$3.05           | \$3.43                          | \$4.25        |
| 50               | \$4.77           | \$5.39                          | \$6.70        | 85               | \$2.88           | \$3.24                          | \$4.01        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Center Pivot Irr. No-Till D. C. RR Soybean

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 65                 | Pounds  | 0.55            | 35.75              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 25.00           | 25.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 12.00           | 12.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 9.84               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 290.89</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 391.89</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 457.42</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$14.33          | \$19.38                         | \$22.66       | 55               | \$5.32           | \$7.16                          | \$8.35        |
| 25               | \$11.50          | \$15.54                         | \$18.16       | 60               | \$4.89           | \$6.57                          | \$7.67        |
| 30               | \$9.61           | \$12.98                         | \$15.16       | 65               | \$4.53           | \$6.08                          | \$7.09        |
| 35               | \$8.26           | \$11.15                         | \$13.02       | 70               | \$4.22           | \$5.66                          | \$6.60        |
| 40               | \$7.25           | \$9.78                          | \$11.41       | 75               | \$3.95           | \$5.29                          | \$6.17        |
| 45               | \$6.46           | \$8.71                          | \$10.16       | 80               | \$3.71           | \$4.97                          | \$5.79        |
| 50               | \$5.83           | \$7.85                          | \$9.17        | 85               | \$3.50           | \$4.69                          | \$5.46        |



## University of Missouri Extension Southeast Missouri Crop Budget 2011 No-Till Double Crop Conventional Soybean

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 23.00           | 27.60              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 30                 | Pounds  | 0.60            | 18.00              |                      |
| Potash                        | 50                 | Pounds  | 0.55            | 27.50              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 30.00           | 30.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 35                 | Bushels | 0.17            | 5.95               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 12.00           | 12.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 7.15               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 211.45</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 8.00            | 8.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 242.45</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 307.99</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$10.45          | \$12.00                         | \$15.27       | 55               | \$3.91           | \$4.47                          | \$5.66        |
| 25               | \$8.39           | \$9.63                          | \$12.25       | 60               | \$3.60           | \$4.11                          | \$5.20        |
| 30               | \$7.02           | \$8.05                          | \$10.24       | 65               | \$3.33           | \$3.81                          | \$4.82        |
| 35               | \$6.04           | \$6.93                          | \$8.80        | 70               | \$3.11           | \$3.55                          | \$4.48        |
| 40               | \$5.31           | \$6.08                          | \$7.72        | 75               | \$2.91           | \$3.32                          | \$4.20        |
| 45               | \$4.74           | \$5.43                          | \$6.88        | 80               | \$2.74           | \$3.13                          | \$3.95        |
| 50               | \$4.28           | \$4.90                          | \$6.21        | 85               | \$2.59           | \$2.95                          | \$3.72        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 C. P. Irr. No-Till D C Conventional Soybean

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 23.00           | 27.60              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 65                 | Pounds  | 0.55            | 35.75              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 15.00           | 15.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 30.00           | 30.00              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 12.00           | 12.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 9.00               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 266.25</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 367.25</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 432.79</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$13.10          | \$18.15                         | \$21.43       | 55               | \$4.87           | \$6.71                          | \$7.90        |
| 25               | \$10.51          | \$14.55                         | \$17.18       | 60               | \$4.48           | \$6.16                          | \$7.26        |
| 30               | \$8.79           | \$12.16                         | \$14.34       | 65               | \$4.15           | \$5.70                          | \$6.71        |
| 35               | \$7.56           | \$10.44                         | \$12.32       | 70               | \$3.86           | \$5.31                          | \$6.24        |
| 40               | \$6.64           | \$9.16                          | \$10.80       | 75               | \$3.62           | \$4.96                          | \$5.84        |
| 45               | \$5.92           | \$8.16                          | \$9.62        | 80               | \$3.40           | \$4.67                          | \$5.48        |
| 50               | \$5.34           | \$7.36                          | \$8.67        | 85               | \$3.21           | \$4.40                          | \$5.17        |

**University of Missouri Extension Southeast Missouri Crop Budget**  
**2011 No-Till Double Cr. Liberty Link Soybean Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags        | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds      | 0.55            | -                  |                      |
| Phosphate                     | 30                 | Pounds      | 0.60            | 18.00              |                      |
| Potash                        | 50                 | Pounds      | 0.55            | 27.50              |                      |
| Limestone                     | 0.25               | Tons        | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres       | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres       | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre        | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Quarts      | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 0                  | Acre        | 15.00           | -                  |                      |
| Post-Emerge - Ignite          | 44                 | Ounces      | 0.52            | 22.88              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels     | 0.06            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre        | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre        | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 35                 | Bushels     | 0.17            | 5.95               |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre        | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre        | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre        | 12.00           | 12.00              |                      |
| Irrigation Labor              | 0                  | Acre        | 3.00            | -                  |                      |
| Custom Application            | 1                  | Acre        | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 7.38               |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 218.36</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 8.00            | 8.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre        | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 249.36</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre        | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 314.90</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$10.79          | \$12.34                         | \$15.62       | 55               | \$4.03           | \$4.60                          | \$5.79        |
| 25               | \$8.67           | \$9.91                          | \$12.53       | 60               | \$3.71           | \$4.23                          | \$5.32        |
| 30               | \$7.25           | \$8.28                          | \$10.47       | 65               | \$3.44           | \$3.91                          | \$4.92        |
| 35               | \$6.24           | \$7.12                          | \$9.00        | 70               | \$3.20           | \$3.65                          | \$4.58        |
| 40               | \$5.48           | \$6.26                          | \$7.89        | 75               | \$3.00           | \$3.42                          | \$4.29        |
| 45               | \$4.89           | \$5.58                          | \$7.04        | 80               | \$2.83           | \$3.21                          | \$4.03        |
| 50               | \$4.42           | \$5.04                          | \$6.35        | 85               | \$2.67           | \$3.03                          | \$3.80        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 C. P. Irr. D.C. Liberty Link Soybean Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1.2                | Bags    | 47.00           | 56.40              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 65                 | Pounds  | 0.55            | 35.75              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | -                  |                      |
| Fungicide                     | 1                  | Acres   | 17.00           | 17.00              |                      |
| Insecticide                   | 2                  | Acre    | 6.00            | 12.00              |                      |
| Burn Down Herbicides          | 1                  | Quarts  | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 0                  | Acre    | 15.00           | -                  |                      |
| Post-Emerge - Ignite          | 44                 | Ounces  | 0.52            | 22.88              |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.06            | -                  |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 7.00            | 7.00               |                      |
| Hauling & Transportation*     | 45                 | Bushels | 0.17            | 7.65               |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 12.00           | 12.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 1                  | Acre    | 6.50            | 6.50               |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 9.24               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 273.17</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 23.00           | 23.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 374.17</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 439.70</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 20               | \$13.45          | \$18.50                         | \$21.77       | 55               | \$5.00           | \$6.83                          | \$8.03        |
| 25               | \$10.79          | \$14.83                         | \$17.45       | 60               | \$4.60           | \$6.28                          | \$7.37        |
| 30               | \$9.02           | \$12.39                         | \$14.57       | 65               | \$4.25           | \$5.81                          | \$6.82        |
| 35               | \$7.76           | \$10.64                         | \$12.51       | 70               | \$3.96           | \$5.41                          | \$6.34        |
| 40               | \$6.81           | \$9.33                          | \$10.97       | 75               | \$3.71           | \$5.06                          | \$5.93        |
| 45               | \$6.07           | \$8.31                          | \$9.77        | 80               | \$3.49           | \$4.75                          | \$5.57        |
| 50               | \$5.48           | \$7.50                          | \$8.81        | 85               | \$3.29           | \$4.48                          | \$5.25        |

## University of Missouri Extension Southeast Missouri Crop Budget

# 2011 No-Till Double Crop Grain Sorghum Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.16               | Bags    | 95.00           | 15.20              |                      |
| Nitrogen                      | 90                 | Pounds  | 0.55            | 49.50              |                      |
| Phosphate                     | 35                 | Pounds  | 0.60            | 21.00              |                      |
| Potash                        | 25                 | Pounds  | 0.55            | 13.75              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Starter Fertilizer            | 0                  | Acre    | 0.00            | -                  |                      |
| Zinc                          | 0                  | Pounds  | 0.00            | -                  |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 28.00           | 28.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 4.00            | 4.00               |                      |
| Fungicide                     | 0                  | Acre    | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre    | 16.00           | 16.00              |                      |
| Drying Fuel & Electricity*    | 70                 | Bushels | 0.17            | 11.90              |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 15.00           | 15.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 13.00           | 13.00              |                      |
| Hauling & Transportation*     | 70                 | Bushels | 0.17            | 11.90              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre    | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre    | 21.00           | 21.00              |                      |
| Irrigation Labor              | 0                  | Acre    | 3.00            | -                  |                      |
| Custom Application            | 2                  | Acre    | 6.50            | 13.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 8.75               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 258.75</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 34.00           | 34.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 302.75</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 368.29</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 50               | \$5.04           | \$5.92                          | \$7.23        | 120              | \$2.30           | \$2.66                          | \$3.21        |
| 60               | \$4.26           | \$4.99                          | \$6.08        | 130              | \$2.15           | \$2.49                          | \$2.99        |
| 70               | \$3.70           | \$4.33                          | \$5.26        | 140              | \$2.02           | \$2.33                          | \$2.80        |
| 80               | \$3.28           | \$3.83                          | \$4.65        | 150              | \$1.91           | \$2.20                          | \$2.64        |
| 90               | \$2.95           | \$3.44                          | \$4.17        | 160              | \$1.81           | \$2.08                          | \$2.49        |
| 100              | \$2.69           | \$3.13                          | \$3.78        | 170              | \$1.72           | \$1.98                          | \$2.37        |
| 110              | \$2.48           | \$2.88                          | \$3.47        | 180              | \$1.65           | \$1.89                          | \$2.25        |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Center Pivot Irr. No-Till D. C. Grain Sorghum

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.2                | Bags    | 95.00           | 19.00              |                      |
| Nitrogen                      | 125                | Pounds  | 0.55            | 68.75              |                      |
| Phosphate                     | 55                 | Pounds  | 0.60            | 33.00              |                      |
| Potash                        | 35                 | Pounds  | 0.55            | 19.25              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Starter Fertilizer            | 0                  | Acre    | 0.00            | -                  |                      |
| Zinc                          | 0                  | Pounds  | 0.00            | -                  |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Burn Down Herbicides          | 1                  | Acre    | 5.00            | 5.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 28.00           | 28.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 4.00            | 4.00               |                      |
| Fungicide                     | 0                  | Acre    | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre    | 16.00           | 16.00              |                      |
| Drying Fuel & Electricity*    | 110                | Bushels | 0.17            | 18.70              |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 15.00           | 15.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 13.00           | 13.00              |                      |
| Hauling & Transportation*     | 110                | Bushels | 0.17            | 18.70              |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 21.00           | 21.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 2                  | Acre    | 6.50            | 13.00              |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 11.94              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 353.09</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 34.00           | 34.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 465.09</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 530.63</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 70               | \$4.85           | \$6.45                          | \$7.39        | 140              | \$2.59           | \$3.39                          | \$3.86        |
| 80               | \$4.29           | \$5.69                          | \$6.51        | 150              | \$2.44           | \$3.19                          | \$3.63        |
| 90               | \$3.85           | \$5.09                          | \$5.82        | 160              | \$2.31           | \$3.01                          | \$3.42        |
| 100              | \$3.50           | \$4.62                          | \$5.27        | 170              | \$2.20           | \$2.86                          | \$3.24        |
| 110              | \$3.21           | \$4.23                          | \$4.82        | 180              | \$2.09           | \$2.72                          | \$3.08        |
| 120              | \$2.97           | \$3.90                          | \$4.45        | 190              | \$2.00           | \$2.59                          | \$2.94        |
| 130              | \$2.77           | \$3.63                          | \$4.13        | 200              | \$1.92           | \$2.48                          | \$2.81        |

**University of Missouri Extension Southeast Missouri Crop Budget  
2011 Double Crop Southern Pea Budget**

| Variable Cost                 | Number of<br>Units | Units       | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|-------------|-----------------|--------------------|----------------------|
| Seed                          | 20                 | Pounds      | 0.95            | 19.00              |                      |
| Nitrogen                      | 0                  | Pounds      | 0.55            | -                  |                      |
| Phosphate                     | 30                 | Pounds      | 0.60            | 18.00              |                      |
| Potash                        | 50                 | Pounds      | 0.55            | 27.50              |                      |
| Limestone                     | 0.25               | Tons        | 27.00           | 6.75               |                      |
| Zinc                          | 0                  | Pounds      | 0.00            | -                  |                      |
| Sulfur                        | 0                  | Pounds      | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre        | 25.00           | 25.00              |                      |
| Post-Emerge                   | 0                  | Acre        | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre        | 10.00           | 10.00              |                      |
| Desiccation                   | 1                  | Acre        | 5.00            | 5.00               |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels     | 0.08            | -                  |                      |
| Hauling & Transportation*     | 1200               | Pounds      | 0.003           | 3.60               |                      |
| Miscellaneous Overhead        | 1                  | Acre        | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre        | 17.00           | 17.00              |                      |
| Machinery Repairs             | 1                  | Acre        | 11.00           | 11.00              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre        | 2.75            | -                  |                      |
| Irrigation Repairs            | 0                  | Acre        | 12.00           | -                  |                      |
| Labor                         | 1                  | Acre        | 25.00           | 25.00              |                      |
| Irrigation Labor              | 0                  | Acre        | 3.00            | -                  |                      |
| Custom Application            | 0                  | Acre        | 6.50            | -                  |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre        | 7.00%           | 6.05               |                      |
| <b>Total Variable</b>         |                    | <b>Acre</b> |                 | <b>\$ 178.90</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre        | 37.00           | 37.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre        | 5.00            | 5.00               |                      |
| Fixed Irrigation Cost         | 0                  | Acre        | 68.00           | -                  |                      |
| <b>Total (Excluding Land)</b> |                    | <b>Acre</b> |                 | <b>\$ 220.90</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre        | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre        | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | <b>Acre</b> |                 | <b>\$ 286.43</b>   |                      |

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in Cents/Pound**

| Yield<br>Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 600              | \$0.295          | \$0.365                         | \$0.474       | 1300          | \$0.138          | \$0.170                         | \$0.221       |
| 700              | \$0.253          | \$0.313                         | \$0.407       | 1400          | \$0.128          | \$0.158                         | \$0.205       |
| 800              | \$0.222          | \$0.275                         | \$0.357       | 1500          | \$0.120          | \$0.148                         | \$0.192       |
| 900              | \$0.198          | \$0.244                         | \$0.317       | 1600          | \$0.113          | \$0.139                         | \$0.180       |
| 1000             | \$0.178          | \$0.220                         | \$0.286       | 1700          | \$0.106          | \$0.131                         | \$0.169       |
| 1100             | \$0.162          | \$0.201                         | \$0.260       | 1800          | \$0.100          | \$0.124                         | \$0.160       |
| 1200             | \$0.149          | \$0.184                         | \$0.239       | 1900          | \$0.095          | \$0.117                         | \$0.152       |

## University of Missouri Extension Southeast Missouri Crop Budget 2011 Center Pivot Irrigated D. C. Southern Pea

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 20                 | Pounds  | 0.95            | 19.00              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.55            | -                  |                      |
| Phosphate                     | 40                 | Pounds  | 0.60            | 24.00              |                      |
| Potash                        | 65                 | Pounds  | 0.55            | 35.75              |                      |
| Limestone                     | 0.25               | Tons    | 27.00           | 6.75               |                      |
| Zinc                          | 0                  | Pounds  | 0.00            | -                  |                      |
| Sulfur                        | 0                  | Pounds  | 0.00            | -                  |                      |
| Pre-Emerge                    | 1                  | Acre    | 25.00           | 25.00              |                      |
| Post-Emerge                   | 0                  | Acre    | 0.00            | -                  |                      |
| Insecticide                   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Desiccation                   | 1                  | Acre    | 5.00            | 5.00               |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | -                  |                      |
| Hauling & Transportation*     | 1600               | Pounds  | 0.003           | 4.80               |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 5.00            | 5.00               |                      |
| Machinery Fuel                | 1                  | Acre    | 17.00           | 17.00              |                      |
| Machinery Repairs             | 1                  | Acre    | 11.00           | 11.00              |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.75            | 22.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 12.00           | 12.00              |                      |
| Labor                         | 1                  | Acre    | 25.00           | 25.00              |                      |
| Irrigation Labor              | 1                  | Acre    | 3.00            | 3.00               |                      |
| Custom Application            | 0                  | Acre    | 6.50            | -                  |                      |
| Interest (1/2 year at 7.0%)   | 0.5                | Acre    | 7.00%           | 7.89               |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 233.19</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 37.00           | 37.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 5.00            | 5.00               |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 68.00           | 68.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 343.19</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.25%           | 3.86               |                      |
| Land Interest                 | 1542               | Acre    | 4.00%           | 61.68              |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 408.72</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in Cents/Pound

| Yield<br>Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield Lb/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|---------------|------------------|---------------------------------|---------------|
| 1000             | \$0.231          | \$0.341                         | \$0.407       | 1700          | \$0.137          | \$0.202                         | \$0.241       |
| 1100             | \$0.211          | \$0.311                         | \$0.370       | 1800          | \$0.130          | \$0.191                         | \$0.227       |
| 1200             | \$0.193          | \$0.285                         | \$0.340       | 1900          | \$0.123          | \$0.181                         | \$0.216       |
| 1300             | \$0.179          | \$0.263                         | \$0.314       | 2000          | \$0.117          | \$0.172                         | \$0.205       |
| 1400             | \$0.166          | \$0.245                         | \$0.292       | 2100          | \$0.112          | \$0.164                         | \$0.195       |
| 1500             | \$0.155          | \$0.229                         | \$0.272       | 2200          | \$0.107          | \$0.157                         | \$0.187       |
| 1600             | \$0.146          | \$0.214                         | \$0.255       | 2300          | \$0.102          | \$0.150                         | \$0.179       |



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

**Crop 1 - Select Crop Below**

**GMO Corn**

- Irrigated Non-GMO Corn
- GMO Corn**
- Irrigated GMO Corn
- Liberty Link Soybeans

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

**Corn**

Price Yield

**\$7.00 175**

|   |   |
|---|---|
| ▲ | ▲ |
| ▼ | ▼ |

Select Price and Yield  
 For both crops

**Crop 2 - Select Crop Below**

**Conventional Soybeans**

- Conventional Soybeans**
- Irr. Conventional Soybeans
- Grain Sorghum
- Irrigated Grain Sorghum

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

**Soybeans**

Price Yield

**\$13.40 50**

|   |   |
|---|---|
| ▲ | ▲ |
| ▼ | ▼ |

Price Yield

**\$0.00 0**

|   |   |
|---|---|
| ▲ | ▲ |
| ▼ | ▼ |

Variable Total  
 Costs Cost

**\$ 415.55 \$ 598.62**

Crop 1 - Select Crop Below

GMO Corn

Crop 2 - Select Crop Below

Conventional Soybeans

**\$ 232.82 \$ 403.89**

| GMO Corn versus Conventional Soybeans            |        |        |        |                  |        |        |
|--|--------|--------|--------|------------------|--------|--------|
| Equal returns Based on Variable Production Costs |        |        |        |                  |        |        |
| GMO Corn yields with the same net income as      |        |        |        | \$13.40 Soybeans |        |        |
| Soybeans Yields                                  | Corn   |        | Prices |                  |        |        |
|  | \$6.50 | \$6.75 | \$7.00 | \$7.25           | \$7.50 | \$7.75 |
| 40   | 110    | 105    | 102    | 98               | 95     | 92     |
| 45   | 120    | 115    | 111    | 107              | 104    | 101    |
| 50   | 130    | 125    | 121    | 117              | 113    | 109    |
| 55   | 140    | 135    | 130    | 126              | 122    | 118    |
| 60   | 151    | 145    | 140    | 135              | 131    | 126    |

  

| GMO Corn versus Conventional Soybeans                    |          |         |         |             |         |         |
|--|----------|---------|---------|-------------|---------|---------|
| Equal returns Based on Variable Production Costs         |          |         |         |             |         |         |
| Conventional Soybeans yields with the same net income as |          |         |         | \$7.00 Corn |         |         |
| Corn Yields  | Soybeans |         | Prices  |             |         |         |
|  | \$12.40  | \$12.90 | \$13.40 | \$13.90     | \$14.40 | \$14.90 |
| 155  | 73       | 70      | 67      | 65          | 63      | 61      |
| 165  | 78       | 75      | 73      | 70          | 68      | 65      |
| 175  | 84       | 81      | 78      | 75          | 72      | 70      |
| 185  | 90       | 86      | 83      | 80          | 77      | 75      |
| 195  | 95       | 92      | 88      | 85          | 82      | 79      |

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

**Crop 1 - Select Crop Below**

**GMO Corn**  
 Irrigated Non-GMO Corn  
 GMO Corn  
 Irrigated GMO Corn  
 Liberty Link Soybeans

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

**Corn**

| Price  | Yield |
|--------|-------|
| \$7.00 | 175   |

Select Price and Yield  
For both crops

**Crop 2 - Select Crop Below**

**Conventional Soybeans**  
 Irr. Roundup Ready Soybeans  
 Conventional Soybeans  
 Irr. Conventional Soybeans  
 Grain Sorghum

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

**Soybeans**

| Price   | Yield | Price  | Yield |
|---------|-------|--------|-------|
| \$13.40 | 50    | \$0.00 | 0     |

Crop 1 - Select Crop Below  
 GMO Corn  
 Crop 2 - Select Crop Below  
 Conventional Soybeans

| Variable Costs | Total Cost |
|----------------|------------|
| \$ 415.55      | \$ 598.62  |
| \$ 232.82      | \$ 403.89  |

| GMO Corn versus Conventional Soybeans<br>Net Returns Based on Variable Production Costs |             |                      |                  |        |        |        |
|---|-------------|----------------------|------------------|--------|--------|--------|
| GMO Corn at 175 Bu/Ac   |             | and \$13.40 Soybeans |                  |        |        |        |
| Soybeans Yields   | Corn Prices |                      | Corn Net Returns |        |        |        |
|   | \$6.50      | \$6.75               | \$7.00           | \$7.25 | \$7.50 | \$7.75 |
| 40  | \$425       | \$469                | \$513            | \$557  | \$600  | \$644  |
| 45  | \$358       | \$402                | \$446            | \$490  | \$533  | \$577  |
| 50  | \$291       | \$335                | \$379            | \$423  | \$466  | \$510  |
| 55  | \$224       | \$268                | \$312            | \$356  | \$399  | \$443  |
| 60  | \$157       | \$201                | \$245            | \$289  | \$332  | \$376  |

  

| Conventional Soybeans versus GMO Corn<br>Net Returns Based on Variable Production Costs |                 |                 |                      |         |         |         |
|---|-----------------|-----------------|----------------------|---------|---------|---------|
| Conventional Soybeans at 50 Bu/Ac   |                 | and \$7.00 Corn |                      |         |         |         |
| Corn Yields   | Soybeans Prices |                 | Soybeans Net Returns |         |         |         |
|   | \$12.40         | \$12.90         | \$13.40              | \$13.90 | \$14.40 | \$14.90 |
| 155   | (288)           | (264)           | (239)                | (214)   | (189)   | (165)   |
| 165   | (358)           | (334)           | (309)                | (284)   | (259)   | (235)   |
| 175   | (428)           | (404)           | (379)                | (354)   | (329)   | (305)   |
| 185   | (498)           | (474)           | (449)                | (424)   | (399)   | (375)   |
| 195   | (568)           | (544)           | (519)                | (494)   | (469)   | (445)   |