

## University of Missouri Extension Southeast Missouri Crop Budgets 2017

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

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

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

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

### **Procedure to Use the Crop Decision Aid Worksheets**

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

You may print and distribute the budgets.

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

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

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## Crop Budgets

<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 2 Xtend Soybeans</a>	<a href="#">R R 2 Xtend 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="#">GMO Cotton</a>	<a href="#">GMO 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 2 Xtend Soybeans</a>	<a href="#">Irrigated No Till Double Crop R R 2 Xtend 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

### 2017 Non-GMO Corn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.350	Bags	175.00	61.25	
Nitrogen	165	Pounds	0.34	56.10	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	150	Bushels	0.12	18.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	150	Bushels	0.16	24.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.15	
<b>Total Variable</b>		Acre		<b>\$ 382.85</b>	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 456.85</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 618.85</b>	

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$3.69	\$4.43	\$6.05	170	\$2.29	\$2.72	\$3.67
110	\$3.38	\$4.05	\$5.52	180	\$2.17	\$2.58	\$3.48
120	\$3.12	\$3.74	\$5.09	190	\$2.07	\$2.46	\$3.32
130	\$2.90	\$3.47	\$4.72	200	\$1.98	\$2.35	\$3.16
140	\$2.71	\$3.24	\$4.40	210	\$1.90	\$2.26	\$3.03
150	\$2.55	\$3.05	\$4.13	220	\$1.83	\$2.17	\$2.90
160	\$2.41	\$2.87	\$3.89	230	\$1.76	\$2.08	\$2.79

## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 Center Pivot Irrigated Non-GMO Corn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.4250	Bags	175.00	74.38	
Nitrogen	220	Pounds	0.34	74.80	
Phosphate	90	Pounds	0.33	29.70	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	200	Bushels	0.12	24.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	200	Bushels	0.16	32.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	13.98	
<b>Total Variable</b>		Acre		<b>\$ 479.85</b>	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	23.00	23.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 635.85</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 797.85</b>	

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
140	\$3.31	\$4.42	\$5.58	210	\$2.30	\$3.04	\$3.81
150	\$3.11	\$4.15	\$5.23	220	\$2.21	\$2.92	\$3.65
160	\$2.93	\$3.90	\$4.92	230	\$2.12	\$2.80	\$3.51
170	\$2.77	\$3.69	\$4.64	240	\$2.05	\$2.70	\$3.37
180	\$2.63	\$3.50	\$4.40	250	\$1.98	\$2.60	\$3.25
190	\$2.51	\$3.33	\$4.18	260	\$1.91	\$2.51	\$3.13
200	\$2.40	\$3.18	\$3.99	270	\$1.85	\$2.43	\$3.03

**University of Missouri Extension Southeast Missouri Crop Budget  
2017 GMO Corn Budget**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.350	Bags	275.00	96.25	
Nitrogen	165	Pounds	0.34	56.10	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	20.00	20.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	150	Bushels	0.12	18.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	150	Bushels	0.16	24.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.72	
<b>Total Variable</b>		<b>Acre</b>		<b>\$ 402.42</b>	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		<b>Acre</b>		<b>\$ 476.42</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		<b>Acre</b>		<b>\$ 638.42</b>	

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$3.88	\$4.62	\$6.24	170	\$2.40	\$2.84	\$3.79
110	\$3.56	\$4.23	\$5.70	180	\$2.28	\$2.69	\$3.59
120	\$3.28	\$3.90	\$5.25	190	\$2.18	\$2.57	\$3.42
130	\$3.05	\$3.62	\$4.87	200	\$2.08	\$2.45	\$3.26
140	\$2.85	\$3.38	\$4.54	210	\$2.00	\$2.35	\$3.12
150	\$2.68	\$3.18	\$4.26	220	\$1.92	\$2.25	\$2.99
160	\$2.53	\$3.00	\$4.01	230	\$1.85	\$2.17	\$2.87

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irrigated GMO Corn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.4250	Bags	275.00	116.88	
Nitrogen	220	Pounds	0.34	74.80	
Phosphate	90	Pounds	0.33	29.70	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	20.00	20.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	200	Bushels	0.12	24.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	200	Bushels	0.16	32.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	14.77	
<b>Total Variable</b>		Acre		<b>\$ 507.15</b>	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	23.00	23.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 663.15</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 825.15</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
140	\$3.50	\$4.62	\$5.77	210	\$2.43	\$3.17	\$3.94
150	\$3.29	\$4.33	\$5.41	220	\$2.33	\$3.04	\$3.78
160	\$3.10	\$4.07	\$5.09	230	\$2.24	\$2.92	\$3.62
170	\$2.93	\$3.85	\$4.80	240	\$2.16	\$2.81	\$3.48
180	\$2.79	\$3.65	\$4.55	250	\$2.08	\$2.71	\$3.36
190	\$2.65	\$3.48	\$4.33	260	\$2.02	\$2.62	\$3.24
200	\$2.54	\$3.32	\$4.13	270	\$1.95	\$2.53	\$3.13

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Roundup Ready 2 Xtend Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	65.00	65.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.49	
<b>Total Variable</b>		Acre		<b>\$ 257.14</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 300.14</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 462.14</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.66	\$14.81	\$22.91	55	\$4.70	\$5.49	\$8.43
25	\$10.16	\$11.88	\$18.36	60	\$4.33	\$5.04	\$7.74
30	\$8.49	\$9.92	\$15.32	65	\$4.01	\$4.67	\$7.16
35	\$7.30	\$8.53	\$13.16	70	\$3.73	\$4.34	\$6.66
40	\$6.41	\$7.48	\$11.53	75	\$3.49	\$4.07	\$6.23
45	\$5.71	\$6.67	\$10.27	80	\$3.28	\$3.82	\$5.85
50	\$5.16	\$6.02	\$9.26	85	\$3.10	\$3.61	\$5.51

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Ct. Pivot Irr. Roundup Ready 2 Xtend Soybeans

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	65.00	65.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.60	
<b>Total Variable</b>		Acre		<b>\$ 295.25</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 416.25</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 578.25</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
30	\$9.71	\$13.74	\$19.14	65	\$4.57	\$6.43	\$8.92
35	\$8.34	\$11.80	\$16.43	70	\$4.25	\$5.98	\$8.29
40	\$7.32	\$10.35	\$14.40	75	\$3.98	\$5.59	\$7.75
45	\$6.53	\$9.21	\$12.81	80	\$3.74	\$5.25	\$7.28
50	\$5.89	\$8.31	\$11.55	85	\$3.53	\$4.95	\$6.86
55	\$5.37	\$7.57	\$10.51	90	\$3.34	\$4.69	\$6.49
60	\$4.93	\$6.95	\$9.65	95	\$3.18	\$4.45	\$6.15



## University of Missouri Extension Southeast Missouri Crop Budget 2017 Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	58.00	58.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.96	
<b>Total Variable</b>		Acre		<b>\$ 239.11</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 282.11</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 444.11</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$11.76	\$13.91	\$22.01	55	\$4.38	\$5.16	\$8.10
25	\$9.44	\$11.16	\$17.64	60	\$4.03	\$4.74	\$7.44
30	\$7.89	\$9.32	\$14.72	65	\$3.73	\$4.39	\$6.88
35	\$6.79	\$8.01	\$12.64	70	\$3.47	\$4.09	\$6.40
40	\$5.96	\$7.03	\$11.08	75	\$3.25	\$3.83	\$5.99
45	\$5.31	\$6.27	\$9.87	80	\$3.06	\$3.60	\$5.62
50	\$4.80	\$5.66	\$8.90	85	\$2.89	\$3.39	\$5.30

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irr. Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	58.00	58.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.07	
<b>Total Variable</b>		Acre		<b>\$ 277.22</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 398.22</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 560.22</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$13.58	\$19.63	\$27.73	55	\$5.04	\$7.24	\$10.19
25	\$10.90	\$15.74	\$22.22	60	\$4.63	\$6.65	\$9.35
30	\$9.11	\$13.14	\$18.54	65	\$4.29	\$6.15	\$8.64
35	\$7.83	\$11.29	\$15.91	70	\$3.99	\$5.72	\$8.04
40	\$6.87	\$9.90	\$13.95	75	\$3.74	\$5.35	\$7.51
45	\$6.12	\$8.81	\$12.41	80	\$3.52	\$5.03	\$7.05
50	\$5.53	\$7.95	\$11.19	85	\$3.32	\$4.74	\$6.65

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	35.00	35.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.23	
<b>Total Variable</b>		Acre		<b>\$ 213.88</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 256.88</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 418.88</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$10.49	\$12.64	\$20.74	55	\$3.92	\$4.70	\$7.65
25	\$8.43	\$10.15	\$16.63	60	\$3.60	\$4.32	\$7.02
30	\$7.05	\$8.48	\$13.88	65	\$3.34	\$4.00	\$6.49
35	\$6.07	\$7.29	\$11.92	70	\$3.11	\$3.73	\$6.04
40	\$5.33	\$6.40	\$10.45	75	\$2.92	\$3.49	\$5.65
45	\$4.75	\$5.71	\$9.31	80	\$2.74	\$3.28	\$5.31
50	\$4.29	\$5.15	\$8.39	85	\$2.59	\$3.10	\$5.00

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irr. Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	35.00	35.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.34	
<b>Total Variable</b>		Acre		<b>\$ 251.99</b>	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 372.99</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 534.99</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.32	\$18.37	\$26.47	55	\$4.58	\$6.78	\$9.73
25	\$9.89	\$14.73	\$21.21	60	\$4.21	\$6.23	\$8.93
30	\$8.27	\$12.30	\$17.70	65	\$3.90	\$5.76	\$8.26
35	\$7.11	\$10.57	\$15.19	70	\$3.63	\$5.36	\$7.68
40	\$6.24	\$9.26	\$13.31	75	\$3.40	\$5.02	\$7.18
45	\$5.56	\$8.25	\$11.85	80	\$3.20	\$4.71	\$6.74
50	\$5.02	\$7.44	\$10.68	85	\$3.02	\$4.44	\$6.35

## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.16	Bags	125.00	20.00	
Nitrogen	125	Pounds	0.34	42.50	
Phosphate	60	Pounds	0.33	19.80	
Potash	40	Pounds	0.25	10.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	110	Bushels	0.12	13.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	16.00	16.00	
Machinery Repairs	1	Acre	16.00	16.00	
Hauling & Transportation*	110	Bushels	0.16	17.60	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.36	
<b>Total Variable</b>		Acre		<b>\$ 286.96</b>	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	17.00	17.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 353.96</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 515.96</b>	

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
70	\$3.94	\$4.90	\$7.21	140	\$2.11	\$2.59	\$3.75
80	\$3.48	\$4.32	\$6.34	150	\$1.99	\$2.43	\$3.51
90	\$3.13	\$3.87	\$5.67	160	\$1.88	\$2.30	\$3.31
100	\$2.84	\$3.51	\$5.13	170	\$1.79	\$2.18	\$3.13
110	\$2.61	\$3.22	\$4.69	180	\$1.70	\$2.08	\$2.98
120	\$2.41	\$2.97	\$4.32	190	\$1.63	\$1.98	\$2.83
130	\$2.25	\$2.77	\$4.01	200	\$1.56	\$1.90	\$2.71

## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	125.00	25.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	130	Bushels	0.12	15.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	16.00	16.00	
Machinery Repairs	1	Acre	16.00	16.00	
Hauling & Transportation*	130	Bushels	0.16	20.80	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.00	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	10.09	
<b>Total Variable</b>		Acre		<b>\$ 346.34</b>	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 491.34</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 653.34</b>	

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$3.38	\$4.83	\$6.45	170	\$2.10	\$2.96	\$3.91
110	\$3.10	\$4.42	\$5.89	180	\$2.00	\$2.81	\$3.71
120	\$2.86	\$4.07	\$5.42	190	\$1.91	\$2.67	\$3.53
130	\$2.66	\$3.78	\$5.03	200	\$1.83	\$2.55	\$3.36
140	\$2.49	\$3.53	\$4.69	210	\$1.76	\$2.45	\$3.22
150	\$2.35	\$3.31	\$4.39	220	\$1.69	\$2.35	\$3.08
160	\$2.22	\$3.12	\$4.14	230	\$1.63	\$2.26	\$2.96

## University of Missouri Extension Southeast Missouri Crop Budget

# 2017 Wheat Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	2.25	Bags	17.00	38.25	
Nitrogen	100	Pounds	0.34	34.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	20	Pounds	0.25	5.00	
Limestone	0.25	Tons	29.00	7.25	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	15	Pounds	0.35	5.25	
Boron	0	Pounds	0.00	0.00	
Post-Emerge - Ryegrass	1	Acre	15.00	15.00	
Post-Emerge - Broadleaf	1	Acre	5.00	5.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	2	Acre	5.00	10.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	10.00	10.00	
Hauling & Transportation*	70	Bushels	0.16	11.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.62	
Total Variable		Acre		<b>\$ 227.27</b>	
Fixed Machinery Cost	1	Acre	35.00	35.00	
Fixed Buildings & Bins Cost	1	Acre	4.00	4.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		<b>\$ 266.27</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		<b>\$ 347.27</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
40	\$5.56	\$6.54	\$8.56	75	\$3.04	\$3.56	\$4.64
45	\$4.96	\$5.83	\$7.63	80	\$2.86	\$3.35	\$4.36
50	\$4.48	\$5.26	\$6.88	85	\$2.70	\$3.16	\$4.11
55	\$4.09	\$4.80	\$6.27	90	\$2.56	\$2.99	\$3.89
60	\$3.76	\$4.41	\$5.76	95	\$2.43	\$2.84	\$3.70
65	\$3.48	\$4.08	\$5.33	100	\$2.32	\$2.71	\$3.52
70	\$3.25	\$3.80	\$4.96	105	\$2.22	\$2.59	\$3.36

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irrigated Popcorn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Treatment	10	Pounds	4.00	50.00	
Nitrogen	185	Pounds	0.34	62.90	
Phosphate	80	Pounds	0.33	26.40	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	10.00	10.00	
Post-Emerge	1	Acre	30.00	30.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	0	Bushels	0.12	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	5000	Pounds	0.0015	7.50	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	15.00	15.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.69	
<b>Total Variable</b>		Acre		<b>\$ 401.49</b>	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 537.49</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 699.49</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
3000	\$0.133	\$0.178	\$0.232	4750	\$0.084	\$0.113	\$0.147
3250	\$0.123	\$0.165	\$0.214	5000	\$0.080	\$0.107	\$0.140
3500	\$0.114	\$0.153	\$0.199	5250	\$0.077	\$0.102	\$0.133
3750	\$0.107	\$0.143	\$0.186	5500	\$0.073	\$0.098	\$0.127
4000	\$0.100	\$0.134	\$0.174	5750	\$0.070	\$0.094	\$0.122
4250	\$0.094	\$0.126	\$0.164	6000	\$0.067	\$0.090	\$0.117
4500	\$0.089	\$0.119	\$0.155	6250	\$0.065	\$0.086	\$0.112



## University of Missouri Extension Southeast Missouri Crop Budget 2017 GMO Cotton Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed**	1	Acre	120.00	120.00	
Nitrogen	80	Pounds	0.34	27.20	
Phosphate	40	Pounds	0.33	13.20	
Potash	35	Pounds	0.25	8.75	
Limestone	0.5	Tons	29.00	14.50	
Sulfur	0	Pounds	0.00	0.00	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Post-Emerge - Layby	0	Acre	0.00	0.00	
Insecticide	1	Acre	32.00	32.00	
Boll Weevil Eradication	0	Acre	5.00	0.00	
Growth Regulator	1	Acre	5.00	5.00	
Defoliation	1	Acre	18.00	18.00	
Ginning (changes with Yield)	0	Pounds	0.00	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	22.00	22.00	
Machinery Repairs	1	Acre	32.00	32.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Scout	1	Acre	8.00	8.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	12.98	
<b>Total Variable</b>		Acre		<b>\$ 445.63</b>	
Fixed Machinery Cost	1	Acre	117.00	117.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 565.63</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 727.63</b>	

\*\*Seed cost includes Technology Fee

### Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
480	\$0.928	\$1.178	\$1.516	900	\$0.495	\$0.628	\$0.808
540	\$0.825	\$1.047	\$1.347	960	\$0.464	\$0.589	\$0.758
600	\$0.743	\$0.943	\$1.213	1020	\$0.437	\$0.555	\$0.713
660	\$0.675	\$0.857	\$1.102	1080	\$0.413	\$0.524	\$0.674
720	\$0.619	\$0.786	\$1.011	1140	\$0.391	\$0.496	\$0.638
780	\$0.571	\$0.725	\$0.933	1200	\$0.371	\$0.471	\$0.606
840	\$0.531	\$0.673	\$0.866	1260	\$0.354	\$0.449	\$0.577

**University of Missouri Extension Southeast Missouri Crop Budget  
2017 Center Pivot Irrigated GMO Cotton**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed**	1	Acre	120.00	120.00	
Nitrogen	80	Pounds	0.34	27.20	
Phosphate	50	Pounds	0.33	16.50	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Sulfur	0	Pounds	0.00	0.00	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Post-Emerge - Layby	0	Acre	0.00	0.00	
Insecticide	1	Acre	32.00	32.00	
Boll Weevil Eradication	0	Acre	5.00	0.00	
Growth Regulator	2	Acre	5.00	10.00	
Defoliation	1	Acre	18.00	18.00	
Ginning (changes with Yield)	0	Pounds	0.00	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	22.00	22.00	
Machinery Repairs	1	Acre	32.00	32.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	9	Acre	2.00	18.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Scout	1	Acre	8.00	8.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	14.26	
<b>Total Variable</b>		<b>Acre</b>		<b>\$ 489.71</b>	
Fixed Machinery Cost	1	Acre	117.00	117.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		<b>Acre</b>		<b>\$ 686.71</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		<b>Acre</b>		<b>\$ 848.71</b>	

\*\*Seed cost includes Technology Fee

**Breakeven Price in Cents/Pound**

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
720	\$0.680	\$0.954	\$1.179	1140	\$0.430	\$0.602	\$0.744
780	\$0.628	\$0.880	\$1.088	1200	\$0.408	\$0.572	\$0.707
840	\$0.583	\$0.818	\$1.010	1260	\$0.389	\$0.545	\$0.674
900	\$0.544	\$0.763	\$0.943	1320	\$0.371	\$0.520	\$0.643
960	\$0.510	\$0.715	\$0.884	1380	\$0.355	\$0.498	\$0.615
1020	\$0.480	\$0.673	\$0.832	1440	\$0.340	\$0.477	\$0.589
1080	\$0.453	\$0.636	\$0.786	1500	\$0.326	\$0.458	\$0.566

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Rice Budget - Conventional Variety

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	65	Pounds	0.40	26.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	50	Pounds	0.33	16.50	
Potash	30	Pounds	0.25	7.50	
Limestone	0	Tons	29.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	45.00	45.00	
Fungicide	1	Acre	18.00	18.00	
Insecticide	0	Acre	0.00	0.00	
Drying (Custom/Bushel)*	160	Bushels	0.30	48.00	
Hauling & Transportation*	160	Bushels	0.16	25.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	20.00	20.00	
Labor	1	Acre	44.00	44.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	4	Acre	6.50	26.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	13.67	
<b>Total Variable</b>		Acre		<b>\$ 469.27</b>	
Fixed Machinery Cost	1	Acre	69.00	69.00	
Fixed Buildings & Bins Cost	1	Acre	15.00	15.00	
Fixed Irrigation Cost	1	Acre	73.00	73.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 626.27</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 788.27</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$4.42	\$5.99	\$7.61	170	\$2.79	\$3.71	\$4.66
110	\$4.06	\$5.48	\$6.96	180	\$2.66	\$3.53	\$4.43
120	\$3.76	\$5.07	\$6.42	190	\$2.54	\$3.37	\$4.22
130	\$3.50	\$4.71	\$5.96	200	\$2.44	\$3.22	\$4.03
140	\$3.29	\$4.41	\$5.56	210	\$2.34	\$3.09	\$3.86
150	\$3.10	\$4.14	\$5.22	220	\$2.26	\$2.97	\$3.71
160	\$2.93	\$3.91	\$4.93	230	\$2.18	\$2.86	\$3.57

**University of Missouri Extension Southeast Missouri Crop Budget  
2017 Hybrid Rice Budget**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed (Tech Fee & Seed Treat)	1	Unit	137.00	137.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	55	Pounds	0.33	18.15	
Potash	30	Pounds	0.25	7.50	
Limestone	0	Tons	29.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	45.00	45.00	
Fungicide	0	Ounces	18.00	0.00	
Insecticide	0	Acre	0.00	0.00	
Drying (Custom/Bushel)*	180	Bushels	0.30	54.00	
Hauling & Transportation*	180	Bushels	0.16	28.80	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	20.00	20.00	
Labor	1	Acre	44.00	44.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	3	Acre	6.50	19.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	16.59	
<b>Total Variable</b>		<b>Acre</b>		<b>\$ 569.54</b>	
Fixed Machinery Cost	1	Acre	69.00	69.00	
Fixed Buildings & Bins Cost	1	Acre	17.00	17.00	
Fixed Irrigation Cost	1	Acre	73.00	73.00	
<b>Total (Excluding Land)</b>		<b>Acre</b>		<b>\$ 728.54</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		<b>Acre</b>		<b>\$ 890.54</b>	

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
120	\$4.52	\$5.84	\$7.19	190	\$3.02	\$3.86	\$4.71
130	\$4.20	\$5.43	\$6.67	200	\$2.89	\$3.69	\$4.50
140	\$3.94	\$5.07	\$6.23	210	\$2.78	\$3.53	\$4.31
150	\$3.70	\$4.76	\$5.84	220	\$2.67	\$3.40	\$4.13
160	\$3.50	\$4.50	\$5.51	230	\$2.58	\$3.27	\$3.97
170	\$3.32	\$4.26	\$5.21	240	\$2.49	\$3.15	\$3.83
180	\$3.16	\$4.05	\$4.95	250	\$2.41	\$3.04	\$3.69

**University of Missouri Extension Southeast Missouri Crop Budget**  
**2017 Rice Budget - Clearfield**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Tech fee	65	Pounds	1.15	86.75	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	50	Pounds	0.33	16.50	
Potash	30	Pounds	0.25	7.50	
Limestone	0	Tons	29.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre/Post-Emerge	1	Acre	27.00	27.00	
Post-Emerge	1	Acre	27.00	27.00	
Fungicide	1	Acre	18.00	18.00	
Insecticide	0	Acre	0.00	0.00	
Drying (Custom/Bushel)*	160	Bushels	0.30	48.00	
Hauling & Transportation*	160	Bushels	0.16	25.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	20.00	20.00	
Labor	1	Acre	44.00	44.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	4	Acre	6.50	26.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	15.31	
<b>Total Variable</b>		<b>Acre</b>		<b>\$ 525.66</b>	
Fixed Machinery Cost	1	Acre	69.00	69.00	
Fixed Buildings & Bins Cost	1	Acre	15.00	15.00	
Fixed Irrigation Cost	1	Acre	73.00	73.00	
<b>Total (Excluding Land)</b>		<b>Acre</b>		<b>\$ 682.66</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		<b>Acre</b>		<b>\$ 844.66</b>	

\* Drying & Transportation Costs Change With Yields

**Breakeven Price in \$/Bushel**

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$4.98	\$6.55	\$8.17	170	\$3.12	\$4.04	\$5.00
110	\$4.57	\$6.00	\$7.47	180	\$2.97	\$3.84	\$4.74
120	\$4.23	\$5.54	\$6.89	190	\$2.84	\$3.67	\$4.52
130	\$3.94	\$5.15	\$6.39	200	\$2.72	\$3.51	\$4.32
140	\$3.69	\$4.81	\$5.97	210	\$2.61	\$3.36	\$4.13
150	\$3.47	\$4.52	\$5.60	220	\$2.51	\$3.23	\$3.96
160	\$3.29	\$4.27	\$5.28	230	\$2.43	\$3.11	\$3.81

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Rice Budget - Hybrid Clearfield

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed (Tech Fee + Seed Treat)	1	Unit	135.00	135.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	55	Pounds	0.33	18.15	
Potash	30	Pounds	0.25	7.50	
Limestone	0	Tons	29.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre/Post-Emerge	1	Acre	27.00	27.00	
Post-Emerge	1	Acre	27.00	27.00	
Fungicide	0	Ounces	18.00	0.00	
Insecticide	0	Acre	0.00	0.00	
Drying (Custom/Bushel)*	180	Bushels	0.30	54.00	
Hauling & Transportation*	180	Bushels	0.16	28.80	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	20.00	20.00	
Labor	1	Acre	44.00	44.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	3	Acre	6.50	19.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	16.35	
<b>Total Variable</b>		Acre		<b>\$ 561.30</b>	
Fixed Machinery Cost	1	Acre	69.00	69.00	
Fixed Buildings & Bins Cost	1	Acre	17.00	17.00	
Fixed Irrigation Cost	1	Acre	73.00	73.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 720.30</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
<b>Total Cost</b>		Acre		<b>\$ 882.30</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
120	\$4.45	\$5.77	\$7.12	190	\$2.98	\$3.82	\$4.67
130	\$4.14	\$5.36	\$6.61	200	\$2.85	\$3.65	\$4.46
140	\$3.88	\$5.01	\$6.17	210	\$2.74	\$3.50	\$4.27
150	\$3.65	\$4.71	\$5.79	220	\$2.63	\$3.36	\$4.09
160	\$3.45	\$4.44	\$5.46	230	\$2.54	\$3.23	\$3.94
170	\$3.27	\$4.21	\$5.16	240	\$2.45	\$3.12	\$3.79
180	\$3.12	\$4.00	\$4.90	250	\$2.37	\$3.01	\$3.66

## University of Missouri Extension Southeast Missouri Crop Budget 2017 No-Till Double Crop RR 2 Xtend Soybean

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	65.00	71.50	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	30	Pounds	0.33	9.90	
Potash	50	Pounds	0.25	12.50	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	35	Bushels	0.16	5.60	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.24	
<b>Total Variable</b>		Acre		<b>\$ 248.49</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 281.49</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 362.49</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.30	\$13.95	\$18.00	55	\$4.58	\$5.18	\$6.65
25	\$9.88	\$11.20	\$14.44	60	\$4.21	\$4.76	\$6.11
30	\$8.26	\$9.36	\$12.06	65	\$3.90	\$4.40	\$5.65
35	\$7.10	\$8.04	\$10.36	70	\$3.63	\$4.10	\$5.26
40	\$6.23	\$7.06	\$9.08	75	\$3.40	\$3.84	\$4.92
45	\$5.56	\$6.29	\$8.09	80	\$3.20	\$3.61	\$4.62
50	\$5.02	\$5.68	\$7.30	85	\$3.02	\$3.41	\$4.36

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Ct Pivot Irr. No-Till D. C. RR 2 Xtend Soybean

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	65.00	71.50	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.40	
<b>Total Variable</b>		Acre		<b>\$ 288.30</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 398.30</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 479.30</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$14.21	\$19.71	\$23.76	55	\$5.27	\$7.27	\$8.74
25	\$11.40	\$15.80	\$19.04	60	\$4.84	\$6.68	\$8.03
30	\$9.53	\$13.20	\$15.90	65	\$4.48	\$6.18	\$7.42
35	\$8.19	\$11.33	\$13.65	70	\$4.18	\$5.75	\$6.90
40	\$7.19	\$9.94	\$11.96	75	\$3.91	\$5.37	\$6.45
45	\$6.41	\$8.85	\$10.65	80	\$3.67	\$5.05	\$6.06
50	\$5.78	\$7.98	\$9.60	85	\$3.47	\$4.76	\$5.71



## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 No-Till Double Cr. Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	58.00	63.80	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	30	Pounds	0.33	9.90	
Potash	50	Pounds	0.25	12.50	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	35	Bushels	0.16	5.60	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.69	
<b>Total Variable</b>		Acre		<b>\$ 229.74</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 262.74</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 343.74</b>	

\* Drying & Transportation Costs Change With Yields

#### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$11.37	\$13.02	\$17.07	55	\$4.24	\$4.84	\$6.31
25	\$9.13	\$10.45	\$13.69	60	\$3.90	\$4.45	\$5.80
30	\$7.63	\$8.73	\$11.43	65	\$3.61	\$4.12	\$5.36
35	\$6.56	\$7.51	\$9.82	70	\$3.36	\$3.83	\$4.99
40	\$5.76	\$6.59	\$8.61	75	\$3.15	\$3.59	\$4.67
45	\$5.14	\$5.87	\$7.67	80	\$2.96	\$3.37	\$4.39
50	\$4.64	\$5.30	\$6.92	85	\$2.80	\$3.19	\$4.14

## University of Missouri Extension Southeast Missouri Crop Budget 2017 C. P. Irr. D.C. Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	58.00	63.80	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.85	
<b>Total Variable</b>		Acre		<b>\$ 269.55</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 379.55</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 460.55</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$13.28	\$18.78	\$22.83	55	\$4.93	\$6.93	\$8.40
25	\$10.65	\$15.05	\$18.29	60	\$4.53	\$6.37	\$7.72
30	\$8.91	\$12.57	\$15.27	65	\$4.20	\$5.89	\$7.13
35	\$7.66	\$10.80	\$13.11	70	\$3.91	\$5.48	\$6.64
40	\$6.72	\$9.47	\$11.49	75	\$3.66	\$5.12	\$6.20
45	\$5.99	\$8.43	\$10.23	80	\$3.44	\$4.81	\$5.83
50	\$5.41	\$7.61	\$9.23	85	\$3.25	\$4.54	\$5.49

## University of Missouri Extension Southeast Missouri Crop Budget 2017 No-Till Double Crop Conventional Soybean

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	35.00	38.50	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	30	Pounds	0.33	9.90	
Potash	50	Pounds	0.25	12.50	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	35	Bushels	0.16	5.60	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	5.89	
<b>Total Variable</b>		Acre		<b>\$ 202.14</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 235.14</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 316.14</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$9.99	\$11.64	\$15.69	55	\$3.73	\$4.33	\$5.81
25	\$8.02	\$9.34	\$12.58	60	\$3.44	\$3.99	\$5.34
30	\$6.71	\$7.81	\$10.51	65	\$3.18	\$3.69	\$4.94
35	\$5.78	\$6.72	\$9.03	70	\$2.97	\$3.44	\$4.60
40	\$5.07	\$5.90	\$7.92	75	\$2.78	\$3.22	\$4.30
45	\$4.53	\$5.26	\$7.06	80	\$2.62	\$3.03	\$4.04
50	\$4.09	\$4.75	\$6.37	85	\$2.47	\$2.86	\$3.81

## University of Missouri Extension Southeast Missouri Crop Budget 2017 C. P. Irr. No-Till D C Conventional Soybean

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	35.00	38.50	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	6.00	6.00	
Machinery Repairs	1	Acre	7.00	7.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.05	
<b>Total Variable</b>		Acre		<b>\$ 241.95</b>	
Fixed Machinery Cost	1	Acre	26.00	26.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 351.95</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 432.95</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$11.90	\$17.40	\$21.45	55	\$4.43	\$6.43	\$7.90
25	\$9.55	\$13.95	\$17.19	60	\$4.07	\$5.91	\$7.26
30	\$7.98	\$11.65	\$14.35	65	\$3.77	\$5.46	\$6.71
35	\$6.87	\$10.01	\$12.32	70	\$3.51	\$5.08	\$6.24
40	\$6.03	\$8.78	\$10.80	75	\$3.29	\$4.76	\$5.84
45	\$5.38	\$7.82	\$9.62	80	\$3.09	\$4.47	\$5.48
50	\$4.85	\$7.05	\$8.67	85	\$2.92	\$4.22	\$5.17

## University of Missouri Extension Southeast Missouri Crop Budget 2017 No-Till Double Crop Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.16	Bags	125.00	20.00	
Nitrogen	90	Pounds	0.34	30.60	
Phosphate	40	Pounds	0.33	13.20	
Potash	25	Pounds	0.25	6.25	
Limestone	0.25	Tons	29.00	7.25	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	35.00	35.00	
Drying Fuel & Electricity*	70	Bushels	0.12	8.40	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	11.00	11.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	70	Bushels	0.16	11.20	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.32	
<b>Total Variable</b>		Acre		<b>\$ 251.22</b>	
Fixed Machinery Cost	1	Acre	41.00	41.00	
Fixed Buildings & Bins Cost	1	Acre	11.00	11.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 303.22</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 384.22</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
50	\$4.91	\$5.95	\$7.57	120	\$2.21	\$2.64	\$3.32
60	\$4.14	\$5.01	\$6.36	130	\$2.06	\$2.46	\$3.08
70	\$3.59	\$4.33	\$5.49	140	\$1.93	\$2.31	\$2.88
80	\$3.18	\$3.83	\$4.84	150	\$1.82	\$2.17	\$2.71
90	\$2.85	\$3.43	\$4.33	160	\$1.73	\$2.05	\$2.56
100	\$2.60	\$3.12	\$3.93	170	\$1.64	\$1.95	\$2.42
110	\$2.39	\$2.86	\$3.59	180	\$1.57	\$1.86	\$2.31

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irr. No-Till D. C. Grain Sorghum

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	125.00	25.00	
Nitrogen	125	Pounds	0.34	42.50	
Phosphate	60	Pounds	0.33	19.80	
Potash	40	Pounds	0.25	10.00	
Limestone	0.25	Tons	29.00	7.25	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	35.00	35.00	
Drying Fuel & Electricity*	110	Bushels	0.12	13.20	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	11.00	11.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	110	Bushels	0.16	17.60	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	9.37	
<b>Total Variable</b>		Acre		<b>\$ 321.72</b>	
Fixed Machinery Cost	1	Acre	41.00	41.00	
Fixed Buildings & Bins Cost	1	Acre	13.00	13.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 452.72</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 533.72</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
70	\$4.44	\$6.31	\$7.46	140	\$2.36	\$3.29	\$3.87
80	\$3.92	\$5.55	\$6.57	150	\$2.22	\$3.09	\$3.63
90	\$3.51	\$4.97	\$5.87	160	\$2.10	\$2.92	\$3.42
100	\$3.19	\$4.50	\$5.31	170	\$1.99	\$2.76	\$3.24
110	\$2.92	\$4.12	\$4.85	180	\$1.90	\$2.62	\$3.07
120	\$2.70	\$3.80	\$4.47	190	\$1.81	\$2.50	\$2.93
130	\$2.52	\$3.53	\$4.15	200	\$1.73	\$2.39	\$2.79

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Double Crop Southern Pea Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	20	Pounds	1.10	22.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	30	Pounds	0.33	9.90	
Potash	50	Pounds	0.25	12.50	
Limestone	0.25	Tons	29.00	7.25	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	0	Acre	0.00	0.00	
Insecticide	1	Acre	8.00	8.00	
Desiccation	1	Acre	7.00	7.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Hauling & Transportation*	1200	Pounds	0.004	4.80	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	14.00	14.00	
Machinery Repairs	1	Acre	13.00	13.00	
Labor	1	Acre	30.00	30.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	0	Acre	6.50	0.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	4.93	
<b>Total Variable</b>		Acre		<b>\$ 169.38</b>	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 217.38</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 298.38</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
600	\$0.278	\$0.358	\$0.493	1300	\$0.131	\$0.168	\$0.230
700	\$0.239	\$0.308	\$0.423	1400	\$0.122	\$0.156	\$0.214
800	\$0.210	\$0.270	\$0.371	1500	\$0.114	\$0.146	\$0.200
900	\$0.187	\$0.240	\$0.330	1600	\$0.107	\$0.137	\$0.187
1000	\$0.169	\$0.217	\$0.298	1700	\$0.101	\$0.129	\$0.177
1100	\$0.154	\$0.197	\$0.271	1800	\$0.095	\$0.122	\$0.167
1200	\$0.141	\$0.181	\$0.249	1900	\$0.091	\$0.116	\$0.159

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irrigated D. C. Southern Pea

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	20	Pounds	1.10	22.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.25	Tons	29.00	7.25	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	0	Acre	0.00	0.00	
Insecticide	1	Acre	8.00	8.00	
Desiccation	1	Acre	7.00	7.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Hauling & Transportation*	1600	Pounds	0.004	6.40	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	14.00	14.00	
Machinery Repairs	1	Acre	13.00	13.00	
Labor	1	Acre	30.00	30.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	0	Acre	6.50	0.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.09	
<b>Total Variable</b>		Acre		<b>\$ 209.19</b>	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 334.19</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 415.19</b>	

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
1000	\$0.207	\$0.332	\$0.413	1700	\$0.123	\$0.197	\$0.244
1100	\$0.188	\$0.302	\$0.376	1800	\$0.117	\$0.186	\$0.231
1200	\$0.173	\$0.277	\$0.345	1900	\$0.111	\$0.177	\$0.219
1300	\$0.160	\$0.256	\$0.318	2000	\$0.105	\$0.168	\$0.208
1400	\$0.149	\$0.238	\$0.296	2100	\$0.101	\$0.160	\$0.199
1500	\$0.139	\$0.223	\$0.277	2200	\$0.096	\$0.153	\$0.190
1600	\$0.131	\$0.209	\$0.259	2300	\$0.092	\$0.147	\$0.182



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

**Crop 1 - Select Crop Below**

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

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

**Corn**

Price	Yield
\$4.10	150

Select Price and Yield  
For both crops

**Crop 2 - Select Crop Below**

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

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

**Soybeans**

Price	Yield	Price	Yield
\$9.50	45	\$0.00	0

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

Variable Costs	Total Cost
\$ 402.42	\$ 638.42
\$ 239.11	\$ 444.11

GMO Corn versus Liberty Link Soybeans Equal returns Based on Variable Production Costs						
GMO Corn yields with the same net income as				\$9.50 Soybeans		
Soybeans Yields	Corn		Prices			
	\$3.60	\$3.85	\$4.10	\$4.35	\$4.60	\$4.85
	Corn		Yields			
35	138	129	121	114	108	102
40	151	141	133	125	118	112
45	164	153	144	136	128	122
50	177	166	156	147	139	132
55	191	178	167	158	149	141

  

GMO Corn versus Liberty Link Soybeans Equal returns Based on Variable Production Costs						
LL Soybean yields with the same net income as				\$4.10 Corn		
Corn Yields	Soybeans		Prices			
	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00
	Soybeans		Yields			
130	43	41	39	37	35	34
140	48	46	43	41	39	37
150	53	50	48	45	43	41
160	58	55	52	49	47	45
170	63	59	56	53	51	49

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

**Crop 1 - Select Crop Below**

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

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

**Corn**

Price	Yield
\$4.10	150

Select Price and Yield  
For both crops

**Crop 2 - Select Crop Below**

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

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

**Soybeans**

Price	Yield	Price	Yield
\$9.50	45	\$0.00	0

Crop 1 - Select Crop Below

GMO Corn

Crop 2 - Select Crop Below

Liberty Link Soybeans

Variable Costs	Total Cost
\$ 402.42	\$ 638.42
\$ 239.11	\$ 444.11

GMO Corn versus Liberty Link Soybeans Net Returns Based on Variable Production Costs						
GMO Corn at	150	Bu/Ac	and	\$9.50	Soybeans	
Soybeans Yields	Corn		Prices			
	\$3.60	\$3.85	\$4.10	\$4.35	\$4.60	\$4.85
Corn Net Returns						
35	\$44	\$82	\$119	\$157	\$194	\$232
40	(\$3)	\$34	\$72	\$109	\$147	\$184
45	(\$51)	(\$13)	\$24	\$62	\$99	\$137
50	(\$98)	(\$61)	(\$23)	\$14	\$52	\$89
55	(\$146)	(\$108)	(\$71)	(\$33)	\$4	\$42

  

Liberty Link Soybeans versus GMO Corn Net Returns Based on Variable Production Costs						
Liberty Link Soybeans at	45	Bu/Ac	and	\$4.10	Corn	
Corn Yields	Soybeans		Prices			
	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00
Soybeans Net Returns						
130	13	35	58	80	103	125
140	(28)	(6)	17	39	62	84
150	(69)	(47)	(24)	(2)	21	43
160	(110)	(88)	(65)	(43)	(20)	2
170	(151)	(129)	(106)	(84)	(61)	(39)

**University of Missouri Extension**  
**Southeast Missouri Non-Irrigation Crop Budgets 2017**

	Corn Non-GMO	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Soybean Conv.	Grain Sorghum	Cotton	Wheat	D. C. Soybean R.R. 2 Xtend	D. C. Soybean L.L.	D. C. Soybean Conv.	D. C. Grain Sorghum	D. C. Southern Peas
<b>Revenue</b>													
Estimated Yield (Bu/Acre) <sup>A</sup>	160	160	47	47	47	110	850	70	40	40	40	90	1200
Estimated Price (\$/Bushel) <sup>B</sup>	\$3.75	\$3.75	\$10.30	\$10.30	\$10.30	\$3.50	\$0.710	\$4.30	\$10.30	\$10.30	\$10.30	\$3.50	\$0.20
Estimated Gross Revenue (\$/Acre)	\$600.00	\$600.00	\$484.10	\$484.10	\$484.10	\$385.00	\$603.50	\$301.00	\$412.00	\$412.00	\$412.00	\$315.00	\$240.00
<b>Variable Cost<sup>C</sup></b>													
	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre
Seed	61.25	96.25	65.00	58.00	35.00	20.00	120.00	38.25	71.50	63.80	38.50	20.00	22.00
Nitrogen	56.10	56.10	0.00	0.00	0.00	42.50	27.20	34.00	0.00	0.00	0.00	30.60	0.00
Phosphate	23.10	23.10	13.20	13.20	13.20	19.80	13.20	13.20	9.90	9.90	9.90	13.20	9.90
Potash	11.25	11.25	16.25	16.25	16.25	10.00	8.75	5.00	12.50	12.50	12.50	6.25	12.50
Limestone	14.50	14.50	14.50	14.50	14.50	14.50	14.50	7.25	7.25	7.25	7.25	7.25	7.25
Starter & Foliar Fertilizer	0.00	0.00	0.00	0.00	0.00	0.00	6.00	5.25	0.00	0.00	0.00	0.00	0.00
Pre-Emerge	12.00	12.00	15.00	15.00	15.00	17.00	15.00	0.00	15.00	15.00	15.00	17.00	20.00
Post-Emerge	18.00	20.00	30.00	19.50	18.00	7.00	30.00	20.00	36.00	25.50	24.00	13.00	0.00
Fungicide	15.00	15.00	15.00	15.00	15.00	0.00	0.00	15.00	15.00	15.00	15.00	0.00	0.00
Insecticide	18.00	0.00	5.00	5.00	5.00	15.00	32.00	10.00	18.00	18.00	18.00	35.00	8.00
Drying Fuel & Electricity	18.00	18.00	0.00	0.00	0.00	13.20	0.00	0.00	0.00	0.00	0.00	8.40	0.00
Miscellaneous Overhead	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	6.00	6.00	6.00	6.00	4.80
Machinery Fuel	17.00	17.00	9.00	9.00	9.00	16.00	22.00	9.00	6.00	6.00	6.00	11.00	6.00
Machinery Repairs	18.00	18.00	11.00	11.00	11.00	16.00	32.00	10.00	7.00	7.00	7.00	15.00	14.00
Hauling & Transportation	24.00	24.00	7.20	7.20	7.20	17.60	0.00	11.20	5.60	5.60	5.60	11.20	13.00
Growth Regulator (Cotton)	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
Defoliation & Desiccation	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	7.00
Labor	37.00	37.00	20.00	20.00	20.00	35.00	46.00	20.00	15.00	15.00	15.00	27.00	30.00
Scouting	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom Application	6.50	6.50	6.50	6.50	6.50	13.00	13.00	6.50	6.50	6.50	6.50	13.00	0.00
Crop Insurance	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Interest (1/2 year at 6.0%)	11.15	11.72	7.49	6.96	6.23	8.36	12.98	6.62	7.24	6.69	5.89	7.32	4.93
<b>Total Variable Cost</b>	<b>\$ 382.85</b>	<b>\$ 402.42</b>	<b>\$ 257.14</b>	<b>\$ 239.11</b>	<b>\$ 213.88</b>	<b>\$ 286.96</b>	<b>\$ 445.63</b>	<b>\$ 227.27</b>	<b>\$ 248.49</b>	<b>\$ 229.74</b>	<b>\$ 202.14</b>	<b>\$ 251.22</b>	<b>\$ 169.38</b>
<b>Fixed Costs</b>													
Fixed Machinery Cost	56.00	56.00	36.00	36.00	36.00	50.00	117.00	35.00	26.00	26.00	26.00	41.00	45.00
Fixed Buildings & Bins Cost	18.00	18.00	7.00	7.00	7.00	17.00	3.00	4.00	7.00	7.00	7.00	11.00	3.00
Fixed Irrigation Cost	#VALUE!	#VALUE!	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
<b>Total Costs (Excluding Land)</b>	<b>\$ 456.85</b>	<b>\$ 476.42</b>	<b>\$ 300.14</b>	<b>\$ 282.11</b>	<b>\$ 256.88</b>	<b>\$ 353.96</b>	<b>\$ 565.63</b>	<b>\$ 266.27</b>	<b>\$ 281.49</b>	<b>\$ 262.74</b>	<b>\$ 235.14</b>	<b>\$ 303.22</b>	<b>\$ 217.38</b>
Land Real Estate Taxes	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	6.00	6.00	6.00	6.00	6.00
Land Interest	150.00	150.00	150.00	150.00	150.00	150.00	150.00	75.00	75.00	75.00	75.00	75.00	75.00
<b>Total Cost (Including Land or Rent)</b>	<b>\$ 618.85</b>	<b>\$ 638.42</b>	<b>\$ 462.14</b>	<b>\$ 444.11</b>	<b>\$ 418.88</b>	<b>\$ 515.96</b>	<b>\$ 727.63</b>	<b>\$ 347.27</b>	<b>\$ 362.49</b>	<b>\$ 343.74</b>	<b>\$ 316.14</b>	<b>\$ 384.22</b>	<b>\$ 298.38</b>
<b>Estimated Returns</b>													
Returns Above Variable Costs	\$217.15	\$197.58	\$226.96	\$244.99	\$270.22	\$98.04	\$157.87	\$73.73	\$163.51	\$182.26	\$209.86	\$63.78	\$70.62
Returns Above Mach & Buildings	\$143.15	\$123.58	\$183.96	\$201.99	\$227.22	\$31.04	\$37.87	\$34.73	\$130.51	\$149.26	\$176.86	\$11.78	\$22.62
Returns Above Total Costs	(\$18.85)	(\$38.42)	\$21.96	\$39.99	\$65.22	(\$130.96)	(\$124.13)	(\$46.27)	\$49.51	\$68.26	\$95.86	(\$69.22)	(\$58.38)
Breakeven Price	\$3.87	\$3.99	\$9.83	\$9.45	\$8.91	\$4.69	\$0.86	\$4.96	\$9.06	\$8.59	\$7.90	\$4.27	\$0.25

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

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

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

**University of Missouri Extension  
Southeast Missouri Irrigation Crop Budgets 2017**

	Corn GMO	Non- GMO	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Soybean Conv.	Grain Sorghum	Pop Corn	Cotton	Rice Conv.	Rice Hybrid	Rice Clearfield	Rice Clearfield Hybrid	Wheat	D. C. Soybean R.R. 2 Xtend	D. C. Soybean L.L.	D. C. Soybean Conv.	D. C. Grain Sorghum	D. C. Southern Peas
<b>Revenue</b>																			
Estimated Yield (Bu/Acre) <sup>A</sup>	210	210	60	60	60	140	5000	1200	180	180	180	180	70	50	50	50	120	1600	
Estimated Price (\$/Bushel) <sup>B</sup>	\$3.75	\$3.75	\$10.30	\$10.30	\$10.30	\$3.50	\$0.15	\$0.710	\$5.00	\$5.00	\$5.00	\$5.00	\$4.50	\$10.30	\$10.30	\$10.30	\$3.50	\$0.20	
Estimated Gross Revenue (\$/Acre)	\$787.50	\$787.50	\$618.00	\$618.00	\$618.00	\$490.00	\$750.00	\$852.00	\$900.00	\$900.00	\$900.00	\$900.00	\$315.00	\$515.00	\$515.00	\$515.00	\$420.00	\$320.00	
<b>Variable Cost<sup>C</sup></b>																			
Seed	74.38	116.88	65.00	58.00	35.00	25.00	50.00	120.00	26.00	137.00	86.75	135.00	38.25	71.50	63.80	38.50	25.00	22.00	
Nitrogen	74.80	74.80	0.00	0.00	0.00	51.00	62.90	27.20	51.00	51.00	51.00	51.00	34.00	0.00	0.00	0.00	42.50	0.00	
Phosphate	29.70	29.70	14.85	14.85	14.85	23.10	26.40	16.50	18.15	16.50	18.15	16.50	13.20	13.20	13.20	13.20	19.80	13.20	
Potash	15.00	15.00	20.00	20.00	20.00	11.25	15.00	11.25	7.50	7.50	7.50	7.50	5.00	16.25	16.25	16.25	10.00	16.25	
Limestone	14.50	14.50	14.50	14.50	14.50	14.50	14.50	0.00	0.00	0.00	0.00	0.00	7.25	7.25	7.25	7.25	7.25	7.25	
Starter & Foliar Fertilizer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	5.25	0.00	0.00	0.00	0.00	0.00	
Pre-Emerge	12.00	12.00	15.00	15.00	15.00	17.00	10.00	15.00	15.00	15.00	27.00	27.00	0.00	15.00	15.00	15.00	17.00	20.00	
Post-Emerge	18.00	20.00	30.00	19.50	18.00	7.00	30.00	30.00	45.00	45.00	27.00	27.00	20.00	36.00	25.50	24.00	13.00	0.00	
Fungicide	15.00	15.00	15.00	15.00	15.00	0.00	15.00	0.00	18.00	0.00	18.00	0.00	15.00	15.00	15.00	15.00	0.00	0.00	
Insecticide	18.00	0.00	5.00	5.00	5.00	15.00	15.00	32.00	0.00	0.00	0.00	0.00	10.00	18.00	18.00	18.00	35.00	8.00	
Drying Fuel & Electricity	24.00	24.00	0.00	0.00	0.00	15.60	0.00	0.00	48.00	54.00	48.00	54.00	0.00	0.00	0.00	0.00	13.20	0.00	
Miscellaneous Overhead	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	6.00	6.00	6.00	6.00	6.00	
Machinery Fuel	17.00	17.00	9.00	9.00	9.00	16.00	17.00	22.00	20.00	20.00	20.00	20.00	9.00	6.00	6.00	6.00	11.00	14.00	
Machinery Repairs	18.00	18.00	11.00	11.00	11.00	16.00	18.00	32.00	20.00	20.00	20.00	20.00	10.00	7.00	7.00	7.00	15.00	13.00	
Hauling & Transportation	32.00	32.00	8.80	8.80	8.80	20.80	7.50	0.00	25.60	28.80	25.60	28.80	11.20	7.20	7.20	7.20	17.60	6.40	
Growth Regulator (Cotton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Defoliation & Desiccation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	
Labor	37.00	37.00	20.00	20.00	20.00	35.00	37.00	46.00	44.00	44.00	44.00	44.00	20.00	15.00	15.00	15.00	27.00	30.00	
Irrigation Fuel (Acre Inches)	24.00	24.00	16.00	16.00	16.00	20.00	24.00	18.00	40.00	40.00	40.00	40.00	0.00	16.00	16.00	16.00	16.00	16.00	
Irrigation Repairs	10.00	10.00	10.00	10.00	10.00	10.00	15.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00	10.00	
Irrigation Labor	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	7.00	7.00	7.00	7.00	0.00	4.00	4.00	4.00	4.00	4.00	
Scouting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	
Custom Application	6.50	6.50	6.50	6.50	6.50	13.00	6.50	13.00	26.00	19.50	26.00	19.50	6.50	6.50	6.50	6.50	13.00	0.00	
Crop Insurance	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
Interest (1/2 year at 6.0%)	13.98	14.77	8.60	8.07	7.34	10.09	11.69	14.26	13.67	16.59	15.31	16.35	6.62	8.40	7.85	7.05	9.37	6.09	
<b>Total Variable Cost</b>	<b>\$ 479.85</b>	<b>\$ 507.15</b>	<b>\$ 295.25</b>	<b>\$ 277.22</b>	<b>\$ 251.99</b>	<b>\$ 346.34</b>	<b>\$ 401.49</b>	<b>\$ 489.71</b>	<b>\$ 469.27</b>	<b>\$ 569.54</b>	<b>\$ 525.66</b>	<b>\$ 561.30</b>	<b>\$ 227.27</b>	<b>\$ 288.30</b>	<b>\$ 269.55</b>	<b>\$ 241.95</b>	<b>\$ 321.72</b>	<b>\$ 209.19</b>	
<b>Fixed Costs</b>																			
Fixed Machinery Cost	56.00	56.00	36.00	36.00	36.00	50.00	56.00	117.00	69.00	69.00	69.00	69.00	35.00	26.00	26.00	26.00	41.00	45.00	
Fixed Buildings & Bins Cost	23.00	23.00	8.00	8.00	8.00	18.00	3.00	3.00	15.00	17.00	15.00	17.00	4.00	7.00	7.00	7.00	13.00	3.00	
Fixed Irrigation Cost	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	73.00	73.00	73.00	73.00	0.00	77.00	77.00	77.00	77.00	77.00	
Fixed Irrigation Cost	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	73.00	73.00	73.00	73.00	0.00	77.00	77.00	77.00	77.00	77.00	
<b>Total Costs (Excluding Land)</b>	<b>\$ 635.85</b>	<b>\$ 663.15</b>	<b>\$ 416.25</b>	<b>\$ 398.22</b>	<b>\$ 372.99</b>	<b>\$ 491.34</b>	<b>\$ 537.49</b>	<b>\$ 686.71</b>	<b>\$ 626.27</b>	<b>\$ 728.54</b>	<b>\$ 682.66</b>	<b>\$ 720.30</b>	<b>\$ 266.27</b>	<b>\$ 398.30</b>	<b>\$ 379.55</b>	<b>\$ 351.95</b>	<b>\$ 452.72</b>	<b>\$ 334.19</b>	
<b>Total Cost (Including Land or Rent)</b>	<b>\$ 797.85</b>	<b>\$ 825.15</b>	<b>\$ 578.25</b>	<b>\$ 560.22</b>	<b>\$ 534.99</b>	<b>\$ 653.34</b>	<b>\$ 699.49</b>	<b>\$ 848.71</b>	<b>\$ 788.27</b>	<b>\$ 890.54</b>	<b>\$ 844.66</b>	<b>\$ 882.30</b>	<b>\$ 347.27</b>	<b>\$ 479.30</b>	<b>\$ 460.55</b>	<b>\$ 432.95</b>	<b>\$ 533.72</b>	<b>\$ 415.19</b>	
<b>Estimated Returns</b>																			
Returns Above Variable Costs	\$307.65	\$280.35	\$322.75	\$340.78	\$366.01	\$143.66	\$348.51	\$362.29	\$430.73	\$330.46	\$374.34	\$338.70	\$87.73	\$226.70	\$245.45	\$273.05	\$98.28	\$110.81	
Returns Above Mach & Buildings	\$151.65	\$124.35	\$201.75	\$219.78	\$245.01	(\$1.34)	\$212.51	\$165.29	\$273.73	\$171.46	\$217.34	\$179.70	\$48.73	\$116.70	\$135.45	\$163.05	(\$32.72)	(\$14.19)	
Returns Above Total Costs	(\$10.35)	(\$37.65)	\$39.75	\$57.78	\$83.01	(\$163.34)	\$50.51	\$3.29	\$111.73	\$9.46	\$55.34	\$17.70	(\$32.27)	\$35.70	\$54.45	\$82.05	(\$113.72)	(\$95.19)	
Breakeven Price	\$3.80	\$3.93	\$9.64	\$9.34	\$8.92	\$4.67	\$0.14	\$0.71	\$4.38	\$4.95	\$4.69	\$4.90	\$4.96	\$9.59	\$9.21	\$8.66	\$4.45	\$0.26	

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

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

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