

University of Missouri Extension Southeast Missouri Crop Budgets 2018

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

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

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

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

Procedure to Use the Crop Decision Aid Worksheets

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

You may print and distribute the budgets.

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

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

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Crop Budgets

Corn Non-GMO	Corn Non-GMO Irrigated	GMO Corn	GMO Corn Irrigated
Liberty Link Soybeans	Liberty Link Soybeans Irrigated	Roundup Ready 2 Xtend Soybeans	R R 2 Xtend Soybeans Irrigated
Conventional Soybeans	Conventional Soybeans Irrigated	Grain Sorghum	Grain Sorghum Irrigated
Wheat	Popcorn	GMO Cotton	GMO Cotton Irrigated
Rice - Conventional	Rice - Clearfield	Rice - Hybrid	Rice - Hybrid Clearfield
No Till Double Crop Roundup Ready 2 Xtend Soybeans	Irrigated No Till Double Crop R R 2 Xtend Soybeans	No Till Double Crop Conventional Soybeans	Irrigated No Till Double Crop Conventional Soybeans
No Till Double Crop Liberty Link Soybeans	Irrigated No Till Double Crop Liberty Link Soybeans	No Till Double Crop Grain Sorghum	Irrigated No Till Double Crop Grain Sorghum
Double Crop Southern Pea	Irrigated Double Crop Southern Pea	Crop Decision Aid - Breakeven Analysis	Crop Decision Aid - Net Returns

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	59.40	
Phosphate	70	Pounds	0.34	23.80	
Potash	45	Pounds	0.28	12.60	
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	13.00	13.00	
Post-Emerge	1	Acre	19.00	19.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	150	Bushels	0.18	27.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	19.00	19.00	
Hauling & Transportation*	150	Bushels	0.17	25.50	
Labor	1	Acre	38.00	38.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	11.87	
Total Variable		Acre		\$ 407.42	
Fixed Machinery Cost	1	Acre	60.00	60.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 486.42	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 648.42	

* 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	\$3.90	\$4.69	\$6.31	170	\$2.44	\$2.90	\$3.86
110	\$3.58	\$4.29	\$5.77	180	\$2.32	\$2.76	\$3.66
120	\$3.31	\$3.97	\$5.32	190	\$2.22	\$2.63	\$3.49
130	\$3.08	\$3.69	\$4.93	200	\$2.12	\$2.52	\$3.33
140	\$2.89	\$3.45	\$4.61	210	\$2.04	\$2.42	\$3.19
150	\$2.72	\$3.24	\$4.32	220	\$1.96	\$2.32	\$3.06
160	\$2.57	\$3.06	\$4.07	230	\$1.89	\$2.24	\$2.94

University of Missouri Extension Southeast Missouri Crop Budget

2018 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	0.36	79.20	
Phosphate	90	Pounds	0.34	30.60	
Potash	60	Pounds	0.28	16.80	
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	13.00	13.00	
Post-Emerge	1	Acre	19.00	19.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	200	Bushels	0.18	36.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	19.00	19.00	
Hauling & Transportation*	200	Bushels	0.17	34.00	
Labor	1	Acre	38.00	38.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.50	30.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	15.06	
Total Variable		Acre		\$ 517.03	
Fixed Machinery Cost	1	Acre	60.00	60.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 687.03	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 849.03	

* 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	\$3.54	\$4.76	\$5.91	210	\$2.48	\$3.29	\$4.06
150	\$3.33	\$4.46	\$5.54	220	\$2.38	\$3.15	\$3.89
160	\$3.14	\$4.21	\$5.22	230	\$2.29	\$3.03	\$3.74
170	\$2.98	\$3.98	\$4.93	240	\$2.21	\$2.92	\$3.60
180	\$2.83	\$3.78	\$4.68	250	\$2.14	\$2.82	\$3.47
190	\$2.70	\$3.60	\$4.45	260	\$2.07	\$2.72	\$3.35
200	\$2.59	\$3.44	\$4.25	270	\$2.01	\$2.64	\$3.24

**University of Missouri Extension Southeast Missouri Crop Budget
2018 GMO Corn Budget**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.350	Bags	265.00	92.75	
Nitrogen	165	Pounds	0.36	59.40	
Phosphate	70	Pounds	0.34	23.80	
Potash	45	Pounds	0.28	12.60	
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	13.00	13.00	
Post-Emerge	1	Acre	21.00	21.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	150	Bushels	0.18	27.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	19.00	19.00	
Hauling & Transportation*	150	Bushels	0.17	25.50	
Labor	1	Acre	38.00	38.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	12.33	
Total Variable		Acre		\$ 423.38	
Fixed Machinery Cost	1	Acre	60.00	60.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 502.38	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 664.38	

* 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	\$4.06	\$4.85	\$6.47	170	\$2.53	\$3.00	\$3.95
110	\$3.72	\$4.44	\$5.91	180	\$2.41	\$2.85	\$3.75
120	\$3.44	\$4.10	\$5.45	190	\$2.30	\$2.72	\$3.57
130	\$3.20	\$3.81	\$5.06	200	\$2.20	\$2.60	\$3.41
140	\$3.00	\$3.56	\$4.72	210	\$2.12	\$2.49	\$3.26
150	\$2.82	\$3.35	\$4.43	220	\$2.04	\$2.39	\$3.13
160	\$2.67	\$3.16	\$4.17	230	\$1.96	\$2.31	\$3.01

University of Missouri Extension Southeast Missouri Crop Budget 2018 Center Pivot Irrigated GMO Corn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.4250	Bags	265.00	112.63	
Nitrogen	220	Pounds	0.36	79.20	
Phosphate	90	Pounds	0.34	30.60	
Potash	60	Pounds	0.28	16.80	
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	13.00	13.00	
Post-Emerge	1	Acre	21.00	21.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	200	Bushels	0.18	36.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	19.00	19.00	
Hauling & Transportation*	200	Bushels	0.17	34.00	
Labor	1	Acre	38.00	38.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.50	30.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	15.73	
Total Variable		Acre		\$ 539.95	
Fixed Machinery Cost	1	Acre	60.00	60.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 709.95	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 871.95	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
140	\$3.71	\$4.92	\$6.08	210	\$2.59	\$3.40	\$4.17
150	\$3.48	\$4.62	\$5.70	220	\$2.49	\$3.26	\$4.00
160	\$3.29	\$4.35	\$5.36	230	\$2.39	\$3.13	\$3.84
170	\$3.11	\$4.11	\$5.07	240	\$2.31	\$3.02	\$3.69
180	\$2.96	\$3.91	\$4.81	250	\$2.23	\$2.91	\$3.56
190	\$2.82	\$3.72	\$4.57	260	\$2.16	\$2.81	\$3.43
200	\$2.70	\$3.55	\$4.36	270	\$2.09	\$2.72	\$3.32

University of Missouri Extension Southeast Missouri Crop Budget 2018 Roundup Ready 2 Xtend Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	62.00	62.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
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	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	7.69	
Total Variable		Acre		\$ 264.14	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 311.14	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 473.14	

* 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	\$12.99	\$15.34	\$23.44	55	\$4.83	\$5.69	\$8.63
25	\$10.43	\$12.31	\$18.79	60	\$4.44	\$5.23	\$7.93
30	\$8.72	\$10.29	\$15.69	65	\$4.12	\$4.84	\$7.33
35	\$7.50	\$8.84	\$13.47	70	\$3.83	\$4.51	\$6.82
40	\$6.58	\$7.76	\$11.81	75	\$3.59	\$4.22	\$6.38
45	\$5.87	\$6.91	\$10.51	80	\$3.38	\$3.96	\$5.99
50	\$5.30	\$6.24	\$9.48	85	\$3.19	\$3.74	\$5.65

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	62.00	62.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	45	Pounds	0.34	15.30	
Potash	80	Pounds	0.28	22.40	
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	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	8.97	
Total Variable		Acre		\$ 308.02	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 442.02	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 604.02	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
30	\$10.13	\$14.59	\$19.99	65	\$4.76	\$6.83	\$9.32
35	\$8.70	\$12.53	\$17.16	70	\$4.44	\$6.35	\$8.67
40	\$7.64	\$10.99	\$15.04	75	\$4.15	\$5.94	\$8.10
45	\$6.81	\$9.78	\$13.38	80	\$3.90	\$5.58	\$7.60
50	\$6.14	\$8.82	\$12.06	85	\$3.68	\$5.26	\$7.17
55	\$5.60	\$8.04	\$10.98	90	\$3.49	\$4.98	\$6.78
60	\$5.15	\$7.38	\$10.08	95	\$3.31	\$4.72	\$6.43

University of Missouri Extension Southeast Missouri Crop Budget 2018 Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	54.00	54.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
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	16.00	16.00	
Post-Emerge - Liberty	65	Ounces	0.40	26.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	7.27	
Total Variable		Acre		\$ 249.72	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 296.72	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 458.72	

* 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	\$12.27	\$14.62	\$22.72	55	\$4.57	\$5.43	\$8.37
25	\$9.85	\$11.73	\$18.21	60	\$4.20	\$4.99	\$7.69
30	\$8.24	\$9.81	\$15.21	65	\$3.89	\$4.62	\$7.11
35	\$7.09	\$8.43	\$13.06	70	\$3.63	\$4.30	\$6.61
40	\$6.22	\$7.40	\$11.45	75	\$3.40	\$4.02	\$6.18
45	\$5.55	\$6.59	\$10.19	80	\$3.20	\$3.78	\$5.81
50	\$5.01	\$5.95	\$9.19	85	\$3.02	\$3.57	\$5.48

University of Missouri Extension Southeast Missouri Crop Budget 2018 Center Pivot Irr. Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	54.00	54.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	45	Pounds	0.34	15.30	
Potash	80	Pounds	0.28	22.40	
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	16.00	16.00	
Post-Emerge - Liberty	65	Ounces	0.40	26.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	8.43	
Total Variable		Acre		\$ 289.48	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 423.48	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 585.48	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$14.18	\$20.88	\$28.98	55	\$5.26	\$7.70	\$10.65
25	\$11.38	\$16.74	\$23.22	60	\$4.84	\$7.07	\$9.77
30	\$9.51	\$13.97	\$19.37	65	\$4.48	\$6.54	\$9.03
35	\$8.17	\$12.00	\$16.63	70	\$4.17	\$6.09	\$8.40
40	\$7.17	\$10.52	\$14.57	75	\$3.91	\$5.69	\$7.85
45	\$6.40	\$9.37	\$12.97	80	\$3.67	\$5.35	\$7.37
50	\$5.77	\$8.45	\$11.69	85	\$3.47	\$5.04	\$6.95

University of Missouri Extension Southeast Missouri Crop Budget

2018 Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	32.00	32.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
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	16.00	16.00	
Post-Emerge	1	Acre	19.00	19.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	6.40	
Total Variable		Acre		\$ 219.85	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 266.85	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 428.85	

* 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	\$10.78	\$13.13	\$21.23	55	\$4.03	\$4.88	\$7.83
25	\$8.66	\$10.54	\$17.02	60	\$3.71	\$4.49	\$7.19
30	\$7.24	\$8.81	\$14.21	65	\$3.43	\$4.16	\$6.65
35	\$6.23	\$7.58	\$12.20	70	\$3.20	\$3.87	\$6.19
40	\$5.48	\$6.65	\$10.70	75	\$3.00	\$3.63	\$5.79
45	\$4.89	\$5.93	\$9.53	80	\$2.82	\$3.41	\$5.44
50	\$4.41	\$5.35	\$8.59	85	\$2.67	\$3.22	\$5.13

University of Missouri Extension Southeast Missouri Crop Budget 2018 Center Pivot Irr. Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1	Bags	32.00	32.00	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	45	Pounds	0.34	15.30	
Potash	80	Pounds	0.28	22.40	
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	16.00	16.00	
Post-Emerge	1	Acre	19.00	19.00	
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	11.00	11.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	7.56	
Total Variable		Acre		\$ 259.61	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 393.61	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 555.61	

* 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	\$12.68	\$19.38	\$27.48	55	\$4.72	\$7.16	\$10.10
25	\$10.18	\$15.54	\$22.02	60	\$4.34	\$6.57	\$9.27
30	\$8.51	\$12.98	\$18.38	65	\$4.02	\$6.08	\$8.57
35	\$7.32	\$11.15	\$15.78	70	\$3.75	\$5.66	\$7.97
40	\$6.43	\$9.78	\$13.83	75	\$3.51	\$5.29	\$7.45
45	\$5.73	\$8.71	\$12.31	80	\$3.30	\$4.97	\$7.00
50	\$5.18	\$7.86	\$11.10	85	\$3.11	\$4.69	\$6.60

University of Missouri Extension Southeast Missouri Crop Budget

2018 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	0.36	45.00	
Phosphate	60	Pounds	0.34	20.40	
Potash	40	Pounds	0.28	11.20	
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	18.00	18.00	
Post-Emerge	1	Acre	8.00	8.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	110	Bushels	0.18	19.80	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	17.00	17.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	8.96	
Total Variable		Acre		\$ 307.56	
Fixed Machinery Cost	1	Acre	55.00	55.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 380.56	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 542.56	

* 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	\$4.19	\$5.24	\$7.55	140	\$2.27	\$2.79	\$3.95
80	\$3.71	\$4.63	\$6.65	150	\$2.14	\$2.63	\$3.71
90	\$3.34	\$4.15	\$5.95	160	\$2.03	\$2.49	\$3.50
100	\$3.04	\$3.77	\$5.39	170	\$1.93	\$2.36	\$3.32
110	\$2.80	\$3.46	\$4.93	180	\$1.84	\$2.25	\$3.15
120	\$2.59	\$3.20	\$4.55	190	\$1.77	\$2.15	\$3.00
130	\$2.42	\$2.98	\$4.23	200	\$1.70	\$2.06	\$2.87

University of Missouri Extension Southeast Missouri Crop Budget

2018 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	0.36	54.00	
Phosphate	70	Pounds	0.34	23.80	
Potash	45	Pounds	0.28	12.60	
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	18.00	18.00	
Post-Emerge	1	Acre	8.00	8.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	140	Bushels	0.18	25.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	17.00	17.00	
Hauling & Transportation*	140	Bushels	0.17	23.80	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.50	25.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.04	
Total Variable		Acre		\$ 378.94	
Fixed Machinery Cost	1	Acre	55.00	55.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 538.94	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 700.94	

* 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	\$3.65	\$5.25	\$6.87	170	\$2.29	\$3.23	\$4.18
110	\$3.35	\$4.80	\$6.28	180	\$2.18	\$3.07	\$3.97
120	\$3.10	\$4.43	\$5.78	190	\$2.09	\$2.93	\$3.78
130	\$2.89	\$4.12	\$5.36	200	\$2.00	\$2.80	\$3.61
140	\$2.71	\$3.85	\$5.01	210	\$1.92	\$2.68	\$3.45
150	\$2.55	\$3.62	\$4.70	220	\$1.85	\$2.58	\$3.31
160	\$2.41	\$3.41	\$4.42	230	\$1.78	\$2.48	\$3.18

University of Missouri Extension Southeast Missouri Crop Budget

2018 Wheat Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	2.25	Bags	16.00	36.00	
Nitrogen	100	Pounds	0.36	36.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	20	Pounds	0.28	5.60	
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	16.00	16.00	
Post-Emerge - Broadleaf	1	Acre	6.00	6.00	
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	12.00	12.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	70	Bushels	0.17	11.90	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	6.87	
Total Variable		Acre		\$ 235.97	
Fixed Machinery Cost	1	Acre	38.00	38.00	
Fixed Buildings & Bins Cost	1	Acre	5.00	5.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 278.97	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 359.97	

* 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	\$5.77	\$6.85	\$8.87	75	\$3.16	\$3.73	\$4.81
45	\$5.15	\$6.10	\$7.90	80	\$2.97	\$3.51	\$4.52
50	\$4.65	\$5.51	\$7.13	85	\$2.81	\$3.31	\$4.26
55	\$4.24	\$5.03	\$6.50	90	\$2.66	\$3.14	\$4.04
60	\$3.90	\$4.62	\$5.97	95	\$2.53	\$2.98	\$3.83
65	\$3.62	\$4.28	\$5.52	100	\$2.41	\$2.84	\$3.65
70	\$3.37	\$3.99	\$5.14	105	\$2.30	\$2.71	\$3.48

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	66.60	
Phosphate	80	Pounds	0.34	27.20	
Potash	60	Pounds	0.28	16.80	
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	11.00	11.00	
Post-Emerge	1	Acre	32.00	32.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	0	Bushels	0.18	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	19.00	19.00	
Hauling & Transportation*	5000	Pounds	0.0015	7.50	
Labor	1	Acre	38.00	38.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.50	30.00	
Irrigation Repairs	1	Acre	15.00	15.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	12.36	
Total Variable		Acre		\$ 424.46	
Fixed Machinery Cost	1	Acre	60.00	60.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 573.46	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 735.46	

* 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	\$0.140	\$0.190	\$0.244	4750	\$0.089	\$0.121	\$0.155
3250	\$0.130	\$0.176	\$0.225	5000	\$0.085	\$0.115	\$0.147
3500	\$0.121	\$0.163	\$0.209	5250	\$0.081	\$0.109	\$0.140
3750	\$0.113	\$0.152	\$0.196	5500	\$0.077	\$0.104	\$0.134
4000	\$0.106	\$0.143	\$0.183	5750	\$0.074	\$0.100	\$0.128
4250	\$0.100	\$0.135	\$0.173	6000	\$0.071	\$0.096	\$0.123
4500	\$0.094	\$0.127	\$0.163	6250	\$0.068	\$0.092	\$0.118

**University of Missouri Extension Southeast Missouri Crop Budget
2018 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	0.36	28.80	
Phosphate	40	Pounds	0.34	13.60	
Potash	35	Pounds	0.28	9.80	
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	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
Post-Emerge - Layby	0	Acre	0.00	0.00	
Insecticide	1	Acre	33.00	33.00	
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	28.00	28.00	
Machinery Repairs	1	Acre	33.00	33.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	13.40	
Total Variable		Acre		\$ 460.10	
Fixed Machinery Cost	1	Acre	127.00	127.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 590.10	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 752.10	

**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	\$0.959	\$1.229	\$1.567	900	\$0.511	\$0.656	\$0.836
540	\$0.852	\$1.093	\$1.393	960	\$0.479	\$0.615	\$0.783
600	\$0.767	\$0.984	\$1.254	1020	\$0.451	\$0.579	\$0.737
660	\$0.697	\$0.894	\$1.140	1080	\$0.426	\$0.546	\$0.696
720	\$0.639	\$0.820	\$1.045	1140	\$0.404	\$0.518	\$0.660
780	\$0.590	\$0.757	\$0.964	1200	\$0.383	\$0.492	\$0.627
840	\$0.548	\$0.703	\$0.895	1260	\$0.365	\$0.468	\$0.597

**University of Missouri Extension Southeast Missouri Crop Budget
2018 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	0.36	28.80	
Phosphate	50	Pounds	0.34	17.00	
Potash	45	Pounds	0.28	12.60	
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	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
Post-Emerge - Layby	0	Acre	0.00	0.00	
Insecticide	1	Acre	33.00	33.00	
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	28.00	28.00	
Machinery Repairs	1	Acre	33.00	33.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	9	Acre	2.50	22.50	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	14.86	
Total Variable		Acre		\$ 510.26	
Fixed Machinery Cost	1	Acre	127.00	127.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 726.26	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 888.26	

**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	\$0.709	\$1.009	\$1.234	1140	\$0.448	\$0.637	\$0.779
780	\$0.654	\$0.931	\$1.139	1200	\$0.425	\$0.605	\$0.740
840	\$0.607	\$0.865	\$1.057	1260	\$0.405	\$0.576	\$0.705
900	\$0.567	\$0.807	\$0.987	1320	\$0.387	\$0.550	\$0.673
960	\$0.532	\$0.757	\$0.925	1380	\$0.370	\$0.526	\$0.644
1020	\$0.500	\$0.712	\$0.871	1440	\$0.354	\$0.504	\$0.617
1080	\$0.472	\$0.672	\$0.822	1500	\$0.340	\$0.484	\$0.592

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	54.00	
Phosphate	50	Pounds	0.34	17.00	
Potash	30	Pounds	0.28	8.40	
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	16.00	16.00	
Post-Emerge	1	Acre	47.00	47.00	
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	0.17	27.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	25.00	25.00	
Machinery Repairs	1	Acre	21.00	21.00	
Labor	1	Acre	45.00	45.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	4	Acre	6.50	26.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	14.15	
Total Variable		Acre		\$ 485.75	
Fixed Machinery Cost	1	Acre	74.00	74.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	74.00	74.00	
Total (Excluding Land)		Acre		\$ 649.75	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 811.75	

* 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	\$4.58	\$6.22	\$7.84	170	\$2.88	\$3.85	\$4.80
110	\$4.20	\$5.69	\$7.17	180	\$2.75	\$3.66	\$4.56
120	\$3.89	\$5.26	\$6.61	190	\$2.63	\$3.49	\$4.35
130	\$3.63	\$4.89	\$6.14	200	\$2.52	\$3.34	\$4.15
140	\$3.40	\$4.57	\$5.73	210	\$2.42	\$3.21	\$3.98
150	\$3.21	\$4.30	\$5.38	220	\$2.34	\$3.08	\$3.82
160	\$3.04	\$4.06	\$5.07	230	\$2.25	\$2.97	\$3.67

**University of Missouri Extension Southeast Missouri Crop Budget
2018 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	0.36	54.00	
Phosphate	55	Pounds	0.34	18.70	
Potash	30	Pounds	0.28	8.40	
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	16.00	16.00	
Post-Emerge	1	Acre	47.00	47.00	
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	0.17	30.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	25.00	25.00	
Machinery Repairs	1	Acre	21.00	21.00	
Labor	1	Acre	45.00	45.00	
Irrigation Fuel	1	Acre	40.00	40.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	7.00	7.00	
Scout	1	Acre	8.00	8.00	
Custom Application	3	Acre	6.50	19.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	17.08	
Total Variable		Acre		\$ 586.28	
Fixed Machinery Cost	1	Acre	74.00	74.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	74.00	74.00	
Total (Excluding Land)		Acre		\$ 752.28	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 914.28	

* 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	\$4.65	\$6.03	\$7.38	190	\$3.11	\$3.98	\$4.84
130	\$4.33	\$5.61	\$6.85	200	\$2.98	\$3.81	\$4.62
140	\$4.05	\$5.24	\$6.40	210	\$2.86	\$3.65	\$4.42
150	\$3.81	\$4.92	\$6.00	220	\$2.75	\$3.50	\$4.24
160	\$3.61	\$4.64	\$5.66	230	\$2.65	\$3.37	\$4.08
170	\$3.42	\$4.40	\$5.35	240	\$2.56	\$3.25	\$3.93
180	\$3.26	\$4.18	\$5.08	250	\$2.48	\$3.14	\$3.79

**University of Missouri Extension Southeast Missouri Crop Budget
2018 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	0.36	54.00	
Phosphate	50	Pounds	0.34	17.00	
Potash	30	Pounds	0.28	8.40	
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	0.17	27.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	25.00	25.00	
Machinery Repairs	1	Acre	21.00	21.00	
Labor	1	Acre	45.00	45.00	
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%	15.70	
Total Variable		Acre		\$ 539.05	
Fixed Machinery Cost	1	Acre	74.00	74.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	74.00	74.00	
Total (Excluding Land)		Acre		\$ 703.05	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 865.05	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$5.11	\$6.75	\$8.37	170	\$3.20	\$4.16	\$5.12
110	\$4.69	\$6.18	\$7.65	180	\$3.05	\$3.96	\$4.86
120	\$4.34	\$5.70	\$7.05	190	\$2.91	\$3.77	\$4.63
130	\$4.04	\$5.30	\$6.55	200	\$2.79	\$3.61	\$4.42
140	\$3.78	\$4.95	\$6.11	210	\$2.68	\$3.46	\$4.23
150	\$3.56	\$4.66	\$5.74	220	\$2.58	\$3.32	\$4.06
160	\$3.37	\$4.39	\$5.41	230	\$2.49	\$3.20	\$3.90

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	54.00	
Phosphate	55	Pounds	0.34	18.70	
Potash	30	Pounds	0.28	8.40	
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	28.00	28.00	
Post-Emerge	1	Acre	28.00	28.00	
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	0.17	30.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	25.00	25.00	
Machinery Repairs	1	Acre	21.00	21.00	
Labor	1	Acre	45.00	45.00	
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%	16.81	
Total Variable		Acre		\$ 577.01	
Fixed Machinery Cost	1	Acre	74.00	74.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	74.00	74.00	
Total (Excluding Land)		Acre		\$ 743.01	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 905.01	

* 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	\$4.57	\$5.96	\$7.31	190	\$3.06	\$3.94	\$4.79
130	\$4.26	\$5.53	\$6.78	200	\$2.93	\$3.76	\$4.57
140	\$3.99	\$5.17	\$6.33	210	\$2.81	\$3.61	\$4.38
150	\$3.75	\$4.86	\$5.94	220	\$2.71	\$3.46	\$4.20
160	\$3.55	\$4.59	\$5.60	230	\$2.61	\$3.33	\$4.04
170	\$3.37	\$4.34	\$5.30	240	\$2.52	\$3.21	\$3.89
180	\$3.21	\$4.13	\$5.03	250	\$2.44	\$3.10	\$3.75

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	62.00	68.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	30	Pounds	0.34	10.20	
Potash	50	Pounds	0.28	14.00	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	7.41	
Total Variable		Acre		\$ 254.51	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 289.51	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 370.51	

* 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	\$12.60	\$14.35	\$18.40	55	\$4.69	\$5.33	\$6.80
25	\$10.11	\$11.51	\$14.75	60	\$4.31	\$4.90	\$6.25
30	\$8.46	\$9.62	\$12.32	65	\$3.99	\$4.53	\$5.78
35	\$7.27	\$8.27	\$10.59	70	\$3.72	\$4.22	\$5.38
40	\$6.38	\$7.26	\$9.28	75	\$3.48	\$3.95	\$5.03
45	\$5.69	\$6.47	\$8.27	80	\$3.28	\$3.71	\$4.73
50	\$5.14	\$5.84	\$7.46	85	\$3.09	\$3.51	\$4.46

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	62.00	68.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge	2	Acre	16.00	32.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	8.74	
Total Variable		Acre		\$ 300.14	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 421.14	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 502.14	

* 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	\$14.79	\$20.84	\$24.89	55	\$5.49	\$7.69	\$9.16
25	\$11.87	\$16.71	\$19.95	60	\$5.04	\$7.06	\$8.41
30	\$9.92	\$13.95	\$16.65	65	\$4.67	\$6.53	\$7.78
35	\$8.53	\$11.98	\$14.30	70	\$4.35	\$6.08	\$7.23
40	\$7.48	\$10.51	\$12.53	75	\$4.07	\$5.68	\$6.76
45	\$6.67	\$9.36	\$11.16	80	\$3.83	\$5.34	\$6.35
50	\$6.02	\$8.44	\$10.06	85	\$3.61	\$5.03	\$5.99

University of Missouri Extension Southeast Missouri Crop Budget

2018 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	54.00	59.40	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	30	Pounds	0.34	10.20	
Potash	50	Pounds	0.28	14.00	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge - Liberty	65	Ounces	0.40	26.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	6.97	
Total Variable		Acre		\$ 239.27	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 274.27	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 355.27	

* 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	\$11.84	\$13.59	\$17.64	55	\$4.41	\$5.05	\$6.52
25	\$9.50	\$10.90	\$14.14	60	\$4.06	\$4.64	\$5.99
30	\$7.95	\$9.11	\$11.81	65	\$3.76	\$4.30	\$5.54
35	\$6.84	\$7.84	\$10.15	70	\$3.50	\$4.00	\$5.16
40	\$6.00	\$6.88	\$8.90	75	\$3.28	\$3.75	\$4.83
45	\$5.35	\$6.13	\$7.93	80	\$3.09	\$3.52	\$4.54
50	\$4.84	\$5.54	\$7.16	85	\$2.91	\$3.33	\$4.28

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	54.00	59.40	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge - Liberty	65	Ounces	0.40	26.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	8.30	
Total Variable		Acre		\$ 284.90	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 405.90	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 486.90	

* 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	\$14.03	\$20.08	\$24.13	55	\$5.21	\$7.41	\$8.88
25	\$11.26	\$16.10	\$19.34	60	\$4.79	\$6.81	\$8.16
30	\$9.41	\$13.44	\$16.14	65	\$4.44	\$6.30	\$7.54
35	\$8.09	\$11.55	\$13.86	70	\$4.13	\$5.86	\$7.02
40	\$7.10	\$10.13	\$12.15	75	\$3.87	\$5.48	\$6.56
45	\$6.33	\$9.02	\$10.82	80	\$3.64	\$5.15	\$6.16
50	\$5.71	\$8.13	\$9.75	85	\$3.43	\$4.86	\$5.81

University of Missouri Extension Southeast Missouri Crop Budget 2018 No-Till Double Crop Conventional Soybean

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	1.1	Bags	32.00	35.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	30	Pounds	0.34	10.20	
Potash	50	Pounds	0.28	14.00	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge	1	Acre	19.00	19.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	6.03	
Total Variable		Acre		\$ 207.13	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 242.13	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 323.13	

* 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	\$10.23	\$11.98	\$16.03	55	\$3.83	\$4.46	\$5.94
25	\$8.22	\$9.62	\$12.86	60	\$3.52	\$4.11	\$5.46
30	\$6.88	\$8.04	\$10.74	65	\$3.27	\$3.80	\$5.05
35	\$5.92	\$6.92	\$9.23	70	\$3.04	\$3.54	\$4.70
40	\$5.20	\$6.07	\$8.10	75	\$2.85	\$3.32	\$4.40
45	\$4.64	\$5.42	\$7.22	80	\$2.68	\$3.12	\$4.13
50	\$4.19	\$4.89	\$6.51	85	\$2.54	\$2.95	\$3.90

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	32.00	35.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
Limestone	0.25	Tons	29.00	7.25	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	16.00	16.00	
Post-Emerge	1	Acre	19.00	19.00	
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	8.00	8.00	
Machinery Repairs	1	Acre	8.00	8.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
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%	7.36	
Total Variable		Acre		\$ 252.76	
Fixed Machinery Cost	1	Acre	28.00	28.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 373.76	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 454.76	

* 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	\$12.43	\$18.48	\$22.53	55	\$4.63	\$6.83	\$8.30
25	\$9.97	\$14.81	\$18.05	60	\$4.26	\$6.27	\$7.62
30	\$8.34	\$12.37	\$15.07	65	\$3.94	\$5.80	\$7.05
35	\$7.17	\$10.63	\$12.94	70	\$3.67	\$5.40	\$6.56
40	\$6.30	\$9.32	\$11.35	75	\$3.44	\$5.05	\$6.13
45	\$5.62	\$8.31	\$10.11	80	\$3.23	\$4.75	\$5.76
50	\$5.07	\$7.49	\$9.11	85	\$3.05	\$4.48	\$5.43

University of Missouri Extension Southeast Missouri Crop Budget

2018 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	0.36	32.40	
Phosphate	40	Pounds	0.34	13.60	
Potash	25	Pounds	0.28	7.00	
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	7.00	7.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	8.00	8.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	36.00	36.00	
Drying Fuel & Electricity*	70	Bushels	0.18	12.60	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	13.00	13.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	70	Bushels	0.17	11.90	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	5.00	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%	7.73	
Total Variable		Acre		\$ 265.48	
Fixed Machinery Cost	1	Acre	44.00	44.00	
Fixed Buildings & Bins Cost	1	Acre	12.00	12.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 321.48	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 402.48	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
50	\$5.17	\$6.29	\$7.91	120	\$2.36	\$2.82	\$3.50
60	\$4.37	\$5.30	\$6.65	130	\$2.20	\$2.63	\$3.26
70	\$3.79	\$4.59	\$5.75	140	\$2.07	\$2.47	\$3.05
80	\$3.36	\$4.06	\$5.07	150	\$1.96	\$2.33	\$2.87
90	\$3.03	\$3.65	\$4.55	160	\$1.86	\$2.21	\$2.71
100	\$2.76	\$3.32	\$4.13	170	\$1.77	\$2.10	\$2.57
110	\$2.54	\$3.05	\$3.79	180	\$1.69	\$2.00	\$2.45

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	45.00	
Phosphate	60	Pounds	0.34	20.40	
Potash	40	Pounds	0.28	11.20	
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	7.00	7.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	8.00	8.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	36.00	36.00	
Drying Fuel & Electricity*	110	Bushels	0.18	19.80	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	13.00	13.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	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%	10.03	
Total Variable		Acre		\$ 344.38	
Fixed Machinery Cost	1	Acre	44.00	44.00	
Fixed Buildings & Bins Cost	1	Acre	14.00	14.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 488.38	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 569.38	

* 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	\$4.72	\$6.78	\$7.93	140	\$2.53	\$3.56	\$4.14
80	\$4.17	\$5.97	\$6.99	150	\$2.39	\$3.35	\$3.89
90	\$3.75	\$5.35	\$6.25	160	\$2.26	\$3.16	\$3.67
100	\$3.41	\$4.85	\$5.66	170	\$2.15	\$3.00	\$3.47
110	\$3.13	\$4.44	\$5.18	180	\$2.05	\$2.85	\$3.30
120	\$2.90	\$4.10	\$4.77	190	\$1.96	\$2.72	\$3.14
130	\$2.70	\$3.81	\$4.43	200	\$1.88	\$2.60	\$3.00

University of Missouri Extension Southeast Missouri Crop Budget

2018 Double Crop Southern Pea Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	22	Pounds	1.10	24.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	30	Pounds	0.34	10.20	
Potash	50	Pounds	0.28	14.00	
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	22.00	22.00	
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	17.00	17.00	
Machinery Repairs	1	Acre	13.00	13.00	
Labor	1	Acre	31.00	31.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.50	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%	5.23	
Total Variable		Acre		\$ 179.68	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	86.00	0.00	
Total (Excluding Land)		Acre		\$ 232.68	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 313.68	

* 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	\$0.295	\$0.384	\$0.519	1300	\$0.139	\$0.179	\$0.242
700	\$0.254	\$0.330	\$0.445	1400	\$0.129	\$0.167	\$0.225
800	\$0.223	\$0.289	\$0.390	1500	\$0.121	\$0.156	\$0.210
900	\$0.198	\$0.257	\$0.347	1600	\$0.113	\$0.146	\$0.197
1000	\$0.179	\$0.232	\$0.313	1700	\$0.107	\$0.138	\$0.186
1100	\$0.163	\$0.211	\$0.285	1800	\$0.101	\$0.131	\$0.176
1200	\$0.150	\$0.194	\$0.261	1900	\$0.096	\$0.124	\$0.167

University of Missouri Extension Southeast Missouri Crop Budget 2018 Center Pivot Irrigated D. C. Southern Pea

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	22	Pounds	1.10	24.20	
Nitrogen	0	Pounds	0.36	0.00	
Phosphate	40	Pounds	0.34	13.60	
Potash	65	Pounds	0.28	18.20	
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	22.00	22.00	
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	17.00	17.00	
Machinery Repairs	1	Acre	13.00	13.00	
Labor	1	Acre	31.00	31.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	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%	6.53	
Total Variable		Acre		\$ 224.18	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 363.18	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 444.18	

* 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	\$0.222	\$0.361	\$0.442	1700	\$0.132	\$0.214	\$0.262
1100	\$0.202	\$0.328	\$0.402	1800	\$0.125	\$0.202	\$0.247
1200	\$0.185	\$0.301	\$0.369	1900	\$0.119	\$0.192	\$0.234
1300	\$0.172	\$0.278	\$0.341	2000	\$0.113	\$0.182	\$0.223
1400	\$0.160	\$0.259	\$0.317	2100	\$0.108	\$0.174	\$0.212
1500	\$0.149	\$0.242	\$0.296	2200	\$0.103	\$0.166	\$0.203
1600	\$0.140	\$0.227	\$0.278	2300	\$0.099	\$0.159	\$0.194

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

Crop 1 - Select Crop Below

Liberty Link Soybeans

Xtend Soybeans
 Irr. Xtend Soybeans
 Liberty Link Soybeans
 Irr. Liberty Link Soybeans

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

Soybeans

Price Yield

\$6.80 55

▲ ▼ ▲ ▼

Select Price and Yield
 For both crops

Crop 2 - Select Crop Below

Irr. Conventional Soybeans

Irr. Liberty Link Soybeans
 Conventional Soybeans
 Irr. Conventional Soybeans
 Grain Sorghum

No Till Xtend Soybeans
 Irrigated No Till Xtend Soybeans
 No Till Convent. Soybeans
 Irr No Till Convent. Soybeans

Soybeans

Price Yield

\$7.20 47

▲ ▼ ▲ ▼

Price Yield

\$0.00 0

▲ ▼ ▲ ▼

Variable Total
 Costs Cost

Crop 1 - Select Crop Below

Liberty Link Soybeans

\$ 249.72 \$ 458.72

Crop 2 - Select Crop Below

Irr. Conventional Soybeans

\$ 259.61 \$ 555.61

Liberty Link Soybeans versus Irr. Conventional Soybeans Equal returns Based on Variable Production Costs						
LL Soybean yields with the same net income as				\$7.20	Soybeans	
Soybeans Yields	Soybeans		Prices			
	\$5.80	\$6.30	\$6.80	\$7.30	\$7.80	\$8.30
37	44	40	38	35	33	31
42	50	46	43	40	37	35
47	56	52	48	45	42	39
52	63	58	53	50	47	44
57	69	63	59	55	51	48

Liberty Link Soybeans versus Irr. Conventional Soybeans Equal returns Based on Variable Production Costs						
Irr Conventional Soybeans yields with the same net income				\$6.80	Soybeans	
Soybeans Yields	Soybeans		Prices			
	\$6.20	\$6.70	\$7.20	\$7.70	\$8.20	\$8.70
45	51	47	44	41	38	36
50	56	52	49	45	43	40
55	62	57	53	50	47	44
60	67	62	58	54	51	48
65	73	67	63	59	55	52

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

Crop 1 - Select Crop Below

Liberty Link Soybeans

Non-GMO Corn
Irrigated Non-GMO Corn
GMO Corn
Irrigated GMO Corn

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

Soybeans

Price Yield

\$6.80 55

▲ ▼ ▲ ▼

Select Price and Yield
For both crops

Crop 2 - Select Crop Below

Irr. Conventional Soybeans

Wheat (Single Crop)
Wheat (Double Crop)
Popcorn
GMO Cotton

No Till Xtend Soybeans
Irrigated No Till Xtend Soybeans
No Till Convent. Soybeans
Irr No Till Convent. Soybeans

Soybeans

Price Yield

\$7.20 47

▲ ▼ ▲ ▼

Price Yield

\$0.00 0

▲ ▼ ▲ ▼

Variable Total
Costs Cost

Crop 1 - Select Crop Below

Liberty Link Soybeans

\$ 249.72 \$ 458.72

Crop 2 - Select Crop Below

Irr. Conventional Soybeans

\$ 259.61 \$ 555.61

Liberty Link Soybeans versus Irr. Conventional Soybeans Net Returns Based on Variable Production Costs						
Liberty Link Soybeans at 55 Bu/Ac		Irr. Conventional Soybeans and \$7.20 Soybeans				
Soybeans Yields	Soybeans		Prices			
	\$5.80	\$6.30	\$6.80	\$7.30	\$7.80	\$8.30
Soybeans Net Returns						
37	\$63	\$91	\$118	\$146	\$173	\$201
42	\$27	\$55	\$82	\$110	\$137	\$165
47	(\$9)	\$19	\$46	\$74	\$101	\$129
52	(\$45)	(\$17)	\$10	\$38	\$65	\$93
57	(\$81)	(\$53)	(\$26)	\$2	\$29	\$57

Irr. Conventional Soybeans versus Liberty Link Soybeans Net Returns Based on Variable Production Costs						
Irr Conv Soybeans at 47 Bu/Ac		Liberty Link Soybeans and \$6.80 Soybeans				
Soybeans Yields	Soybeans		Prices			
	\$6.20	\$6.70	\$7.20	\$7.70	\$8.20	\$8.70
Soybeans Net Returns						
45	(25)	(2)	22	45	69	92
50	(59)	(36)	(12)	11	35	58
55	(93)	(70)	(46)	(23)	1	24
60	(127)	(104)	(80)	(57)	(33)	(10)
65	(161)	(138)	(114)	(91)	(67)	(44)

University of Missouri Extension
Southeast Missouri Non-Irrigation Crop Budgets 2018

	Corn Non-GMO	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Soybean Convnt.	Grain Sorghum	Cotton	Wheat	D. C. Soybean R.R. 2 Xtend	D. C. Soybean L.L.	D. C. Soybean Convnt.	D. C. Grain Sorghum	D. C. Southern Peas
Revenue													
Estimated Yield (Bu/Acre) ^A	160	160	47	47	47	110	850	70	40	40	40	90	1200
Estimated Price (\$/Bushel) ^B	\$3.55	\$3.55	\$9.56	\$9.56	\$9.56	\$3.20	\$0.710	\$4.87	\$9.56	\$9.56	\$9.56	\$3.20	\$0.20
Estimated Gross Revenue (\$/Acre)	\$568.00	\$568.00	\$449.32	\$449.32	\$449.32	\$352.00	\$603.50	\$340.90	\$382.40	\$382.40	\$382.40	\$288.00	\$240.00
Variable Cost^C													
	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre	\$/Acre
Seed	61.25	92.75	62.00	54.00	32.00	20.00	120.00	36.00	68.20	59.40	35.20	20.00	24.20
Nitrogen	59.40	59.40	0.00	0.00	0.00	45.00	28.80	36.00	0.00	0.00	0.00	32.40	0.00
Phosphate	23.80	23.80	13.60	13.60	13.60	20.40	13.60	13.60	10.20	10.20	10.20	13.60	10.20
Potash	12.60	12.60	18.20	18.20	18.20	11.20	9.80	5.60	14.00	14.00	14.00	7.00	14.00
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	13.00	13.00	16.00	16.00	16.00	18.00	16.00	0.00	16.00	16.00	16.00	18.00	22.00
Post-Emerge	19.00	21.00	32.00	26.00	19.00	8.00	32.00	22.00	39.00	33.00	26.00	15.00	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	33.00	10.00	18.00	18.00	18.00	36.00	8.00
Drying Fuel & Electricity	27.00	27.00	0.00	0.00	0.00	19.80	0.00	0.00	0.00	0.00	0.00	12.60	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	21.00	21.00	11.00	11.00	11.00	20.00	28.00	12.00	8.00	8.00	8.00	13.00	6.00
Machinery Repairs	19.00	19.00	12.00	12.00	12.00	17.00	33.00	11.00	8.00	8.00	8.00	15.00	17.00
Hauling & Transportation	25.50	25.50	7.65	7.65	7.65	18.70	0.00	11.90	5.95	5.95	5.95	11.90	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	38.00	38.00	21.00	21.00	21.00	36.00	46.00	21.00	15.00	15.00	15.00	27.00	31.00
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%)	11.87	12.33	7.69	7.27	6.40	8.96	13.40	6.87	7.41	6.97	6.03	7.73	5.23
Total Variable Cost	\$ 407.42	\$ 423.38	\$ 264.14	\$ 249.72	\$ 219.85	\$ 307.56	\$ 460.10	\$ 235.97	\$ 254.51	\$ 239.27	\$ 207.13	\$ 265.48	\$ 179.68
Fixed Costs													
Fixed Machinery Cost	60.00	60.00	40.00	40.00	40.00	55.00	127.00	38.00	28.00	28.00	28.00	44.00	50.00
Fixed Buildings & Bins Cost	19.00	19.00	7.00	7.00	7.00	18.00	3.00	5.00	7.00	7.00	7.00	12.00	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
Total Costs (Excluding Land)	\$ 486.42	\$ 502.38	\$ 311.14	\$ 296.72	\$ 266.85	\$ 380.56	\$ 590.10	\$ 278.97	\$ 289.51	\$ 274.27	\$ 242.13	\$ 321.48	\$ 232.68
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
Total Cost (Including Land or Rent)	\$ 648.42	\$ 664.38	\$ 473.14	\$ 458.72	\$ 428.85	\$ 542.56	\$ 752.10	\$ 359.97	\$ 370.51	\$ 355.27	\$ 323.13	\$ 402.48	\$ 313.68
Estimated Returns													
Returns Above Variable Costs	\$160.58	\$144.62	\$185.18	\$199.60	\$229.47	\$44.44	\$143.40	\$104.93	\$127.89	\$143.13	\$175.27	\$22.52	\$60.32
Returns Above Mach & Buildings	\$81.58	\$65.62	\$138.18	\$152.60	\$182.47	(\$28.56)	\$13.40	\$61.93	\$92.89	\$108.13	\$140.27	(\$33.48)	\$7.32
Returns Above Total Costs	(\$80.42)	(\$96.38)	(\$23.82)	(\$9.40)	\$20.47	(\$190.56)	(\$148.60)	(\$19.07)	\$11.89	\$27.13	\$59.27	(\$114.48)	(\$73.68)
Breakeven Price	\$4.05	\$4.15	\$10.07	\$9.76	\$9.12	\$4.93	\$0.88	\$5.14	\$9.26	\$8.88	\$8.08	\$4.47	\$0.26
Breakeven Yield	183	187	49	48	45	170	1,059	74	39	37	34	126	1,568

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B - Estimated Price is from the November 2017 FAPRI

C - Costs are from the Southeast Missouri Crop Budgets for 2018

**University of Missouri Extension
Southeast Missouri Irrigation Crop Budgets 2018**

	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
Revenue																			
Estimated Yield (Bu/Acre) ^A	220	220	65	65	60	140	5000	1200	180	180	180	180	75	50	50	50	120	1600	
Estimated Price (\$/Bushel) ^B	\$3.55	\$3.55	\$9.56	\$9.56	\$9.56	\$3.20	\$0.13	\$0.710	\$4.88	\$4.88	\$4.88	\$4.88	\$4.80	\$9.56	\$9.56	\$9.56	\$3.20	\$0.20	
Estimated Gross Revenue (\$/Acre)	\$781.00	\$781.00	\$621.40	\$621.40	\$573.60	\$448.00	\$650.00	\$852.00	\$878.40	\$878.40	\$878.40	\$878.40	\$360.00	\$478.00	\$478.00	\$478.00	\$384.00	\$320.00	
Variable Cost^C																			
Seed	74.38	112.63	62.00	54.00	32.00	25.00	50.00	120.00	26.00	137.00	86.75	135.00	36.00	68.20	59.40	35.20	25.00	24.20	
Nitrogen	79.20	79.20	0.00	0.00	0.00	54.00	66.60	28.80	54.00	54.00	54.00	54.00	36.00	0.00	0.00	0.00	45.00	0.00	
Phosphate	30.60	30.60	15.30	15.30	15.30	23.80	27.20	17.00	17.00	18.70	17.00	18.70	13.60	13.60	13.60	13.60	20.40	13.60	
Potash	16.80	16.80	22.40	22.40	22.40	12.60	16.80	12.60	8.40	8.40	8.40	8.40	5.60	18.20	18.20	18.20	11.20	18.20	
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	13.00	13.00	16.00	16.00	16.00	18.00	11.00	16.00	16.00	16.00	27.00	28.00	0.00	16.00	16.00	16.00	18.00	22.00	
Post-Emerge	19.00	21.00	32.00	26.00	19.00	8.00	32.00	32.00	47.00	47.00	27.00	28.00	22.00	39.00	33.00	26.00	15.00	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	33.00	0.00	0.00	0.00	0.00	10.00	18.00	18.00	18.00	36.00	8.00	
Drying Fuel & Electricity	36.00	36.00	0.00	0.00	0.00	25.20	0.00	0.00	48.00	54.00	48.00	54.00	0.00	0.00	0.00	0.00	19.80	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	21.00	21.00	11.00	11.00	11.00	20.00	21.00	28.00	25.00	25.00	25.00	25.00	12.00	8.00	8.00	8.00	13.00	17.00	
Machinery Repairs	19.00	19.00	12.00	12.00	12.00	17.00	19.00	33.00	21.00	21.00	21.00	21.00	11.00	8.00	8.00	8.00	15.00	13.00	
Hauling & Transportation	34.00	34.00	9.35	9.35	9.35	23.80	7.50	0.00	27.20	30.60	27.20	30.60	11.90	7.65	7.65	7.65	18.70	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	38.00	38.00	21.00	21.00	21.00	36.00	38.00	46.00	45.00	45.00	45.00	45.00	21.00	15.00	15.00	15.00	27.00	31.00	
Irrigation Fuel (Acre Inches)	30.00	30.00	20.00	16.00	16.00	25.00	30.00	22.50	40.00	40.00	40.00	40.00	0.00	20.00	20.00	20.00	20.00	20.00	
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	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.00	7.00	7.00	7.00	7.00	0.00	5.00	5.00	5.00	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%)	15.06	15.73	8.97	8.43	7.56	11.04	12.36	14.86	14.15	17.08	15.70	16.81	6.87	8.74	8.30	7.36	10.03	6.53	
Total Variable Cost	\$ 517.03	\$ 539.95	\$ 308.02	\$ 289.48	\$ 259.61	\$ 378.94	\$ 424.46	\$ 510.26	\$ 485.75	\$ 586.28	\$ 539.05	\$ 577.01	\$ 235.97	\$ 300.14	\$ 284.90	\$ 252.76	\$ 344.38	\$ 224.18	
Fixed Costs																			
Fixed Machinery Cost	60.00	60.00	40.00	40.00	40.00	55.00	60.00	127.00	74.00	74.00	74.00	74.00	38.00	28.00	28.00	28.00	44.00	50.00	
Fixed Buildings & Bins Cost	24.00	24.00	8.00	8.00	8.00	19.00	3.00	3.00	16.00	18.00	16.00	18.00	5.00	7.00	7.00	7.00	14.00	3.00	
Fixed Irrigation Cost	86.00	86.00	86.00	86.00	86.00	86.00	86.00	86.00	74.00	74.00	74.00	74.00	0.00	86.00	86.00	86.00	86.00	86.00	
Fixed Irrigation Cost	86.00	86.00	86.00	86.00	86.00	86.00	86.00	86.00	74.00	74.00	74.00	74.00	0.00	86.00	86.00	86.00	86.00	86.00	
Total Costs (Excluding Land)	\$ 687.03	\$ 709.95	\$ 442.02	\$ 423.48	\$ 393.61	\$ 538.94	\$ 573.46	\$ 726.26	\$ 649.75	\$ 752.28	\$ 703.05	\$ 743.01	\$ 278.97	\$ 421.14	\$ 405.90	\$ 373.76	\$ 488.38	\$ 363.18	
Land Real Estate Taxes	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	
Land Interest	150.00	150.00	150.00	150.00	150.00	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	
Total Cost (Including Land or Rent)	\$ 849.03	\$ 871.95	\$ 604.02	\$ 585.48	\$ 555.61	\$ 700.94	\$ 735.46	\$ 888.26	\$ 811.75	\$ 914.28	\$ 865.05	\$ 905.01	\$ 359.97	\$ 502.14	\$ 486.90	\$ 454.76	\$ 569.38	\$ 444.18	
Estimated Returns																			
Returns Above Variable Costs	\$263.97	\$241.05	\$313.38	\$331.92	\$313.99	\$69.06	\$225.54	\$341.74	\$392.65	\$292.12	\$339.35	\$301.39	\$124.03	\$177.86	\$193.10	\$225.24	\$39.62	\$95.82	
Returns Above Mach & Buildings	\$93.97	\$71.05	\$179.38	\$197.92	\$179.99	(\$90.94)	\$76.54	\$125.74	\$228.65	\$126.12	\$175.35	\$135.39	\$81.03	\$56.86	\$72.10	\$104.24	(\$104.38)	(\$43.18)	
Returns Above Total Costs	(\$68.03)	(\$90.95)	\$17.38	\$35.92	\$17.99	(\$252.94)	(\$85.46)	(\$36.26)	\$66.65	(\$35.88)	\$13.35	(\$26.61)	\$0.03	(\$24.14)	(\$8.90)	\$23.24	(\$185.38)	(\$124.18)	
Breakeven Price	\$3.86	\$3.96	\$9.29	\$9.01	\$9.26	\$5.01	\$0.15	\$0.74	\$4.51	\$5.08	\$4.81	\$5.03	\$4.80	\$10.04	\$9.74	\$9.10	\$4.74	\$0.28	
Breakeven Yield	239	246	63	61	58	219	5,657	1,251	166	187	177	185	75	53	51	48	178	2,221	

A -

B - Estimated Price is from the November 2017 FAPRI

C - Costs are from the Southeast Missouri Crop Budgets for 2018