

University of Missouri Extension Southeast Missouri Crop Budgets 2020

This spreadsheet provides an estimate of the production costs and returns for the major row crops grown in Southeast Missouri for 2020. 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

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

Southwest Missouri Crop Budgets for 2020

Table of Contents	
Corn	Rice
Non-GMO Corn Budget	Rice – Conventional Variety Budget
Center Pivot Irrigated Non-GMO Corn Budget	Rice – Hybrid Variety Budget
GMO Corn	Rice – Clearfield Variety Budget
Center Pivot Irrigated GMO Corn	Rice – Hybrid Clearfield Variety Budget
Soybean	No-Till Double Crop Soybean
Roundup Ready 2 Xtend Soybean Budget	No-Till D.C. Roundup Ready 2 Xtend Soybean Budget
Center Pivot Irrigated Roundup Ready 2 Xtend Soybean Budget	No-Till D.C. Center Pivot Irrigated Roundup Ready 2 Xtend Soybean Budget
Enlist Soybean Budget	No-Till D.C. Enlist Soybean Budget
Center Pivot Irrigated Enlist Soybean Budget	No-Till D.C. Center Pivot Irrigated Enlist Soybean Budget
Liberty Link Soybean Budget	No-Till D.C. Liberty Link Soybean Budget
Center Pivot Irrigated Liberty Link Soybean Budget	No-Till D.C. Center Pivot Irrigated Liberty Link Soybean Budget
Conventional Soybean Budget	No-Till D.C. Conventional Soybean
Center Pivot Irrigated Conventional Soybean Budget	No-Till D.C. Center Pivot Irrigated Conventional Soybean Budget
Grain Sorghum, Wheat, & Popcorn	No-Till Double Crop Grain Sorghum
Grain Sorghum Budget	No-Till Double Crop Grain Sorghum Budget
Center Pivot Irrigated Grain Sorghum Budget	No-Till Double Crop Center Pivot Irrigated Grain Sorghum Budget
Wheat Budget	Double Crop Southern Pea
Center Pivot Irrigated Popcorn Budget	D.C. Southern Pea Budget
Cotton	D.C. Center Pivot Irrigated Southern Pea Budget
GMO Cotton Budget	Decision Aids
Center Pivot Irrigated GMO Cotton	Breakeven Analysis
Peanut	Net Returns
Peanut Budget	
Center Pivot Irrigated Peanut Budget	



<https://extension.missouri.edu/counties/scott/southeast-missouri-agricultural-business>

University of Missouri Extension Southeast Missouri Crop Budget 2020 Non-GMO Corn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.350	Bags	200.00	70.00	
Nitrogen	175	Pounds	0.34	59.50	
Phosphate	70	Pounds	0.25	17.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.5	Tons	30.00	15.00	
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	12.00	12.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	17.00	17.00	
Drying Fuel & Electricity*	160	Bushels	0.19	30.40	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	20.00	20.00	
Hauling & Transportation*	160	Bushels	0.17	27.20	
Labor	1	Acre	40.00	40.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	14.14	
Total Variable		Acre		\$ 418.24	
Fixed Machinery Cost	1	Acre	67.00	67.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 504.24	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 666.49	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$3.97	\$4.83	\$6.45	170	\$2.48	\$2.99	\$3.94
110	\$3.64	\$4.42	\$5.90	180	\$2.36	\$2.84	\$3.74
120	\$3.37	\$4.08	\$5.43	190	\$2.26	\$2.71	\$3.56
130	\$3.13	\$3.80	\$5.04	200	\$2.16	\$2.59	\$3.40
140	\$2.94	\$3.55	\$4.71	210	\$2.08	\$2.49	\$3.26
150	\$2.76	\$3.34	\$4.42	220	\$2.00	\$2.39	\$3.13
160	\$2.61	\$3.15	\$4.17	230	\$1.93	\$2.30	\$3.01

University of Missouri Extension Southeast Missouri Crop Budget

2020 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	200.00	85.00	
Nitrogen	220	Pounds	0.34	74.80	
Phosphate	90	Pounds	0.25	22.50	
Potash	60	Pounds	0.26	15.60	
Limestone	0.5	Tons	30.00	15.00	
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	12.00	12.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	17.00	17.00	
Drying Fuel & Electricity*	210	Bushels	0.19	39.90	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	20.00	20.00	
Hauling & Transportation*	210	Bushels	0.17	35.70	
Labor	1	Acre	40.00	40.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.65	31.80	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	17.81	
Total Variable		Acre		\$ 526.61	
Fixed Machinery Cost	1	Acre	67.00	67.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 699.61	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 861.86	

* 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	\$3.58	\$4.82	\$5.98	210	\$2.51	\$3.33	\$4.10
150	\$3.37	\$4.52	\$5.60	220	\$2.41	\$3.20	\$3.93
160	\$3.18	\$4.26	\$5.27	230	\$2.32	\$3.07	\$3.78
170	\$3.01	\$4.03	\$4.99	240	\$2.24	\$2.96	\$3.64
180	\$2.87	\$3.83	\$4.73	250	\$2.16	\$2.86	\$3.51
190	\$2.73	\$3.64	\$4.50	260	\$2.09	\$2.76	\$3.38
200	\$2.62	\$3.48	\$4.29	270	\$2.03	\$2.67	\$3.27

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	56.10	
Phosphate	70	Pounds	0.25	17.50	
Potash	45	Pounds	0.26	11.70	
Limestone	0.5	Tons	30.00	15.00	
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	16.00	16.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	160	Bushels	0.19	30.40	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	20.00	20.00	
Hauling & Transportation*	160	Bushels	0.17	27.20	
Labor	1	Acre	40.00	40.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	14.32	
Total Variable		Acre		\$ 423.47	
Fixed Machinery Cost	1	Acre	67.00	67.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 509.47	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 671.72	

* 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
100	\$4.02	\$4.88	\$6.50	170	\$2.51	\$3.02	\$3.97
110	\$3.69	\$4.47	\$5.94	180	\$2.39	\$2.87	\$3.77
120	\$3.41	\$4.13	\$5.48	190	\$2.29	\$2.74	\$3.59
130	\$3.17	\$3.84	\$5.08	200	\$2.19	\$2.62	\$3.43
140	\$2.97	\$3.59	\$4.75	210	\$2.10	\$2.51	\$3.28
150	\$2.80	\$3.37	\$4.45	220	\$2.02	\$2.41	\$3.15
160	\$2.65	\$3.18	\$4.20	230	\$1.95	\$2.32	\$3.03

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	74.80	
Phosphate	90	Pounds	0.25	22.50	
Potash	60	Pounds	0.26	15.60	
Limestone	0.5	Tons	30.00	15.00	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	15	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	16.00	16.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	210	Bushels	0.19	39.90	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	21.00	21.00	
Machinery Repairs	1	Acre	20.00	20.00	
Hauling & Transportation*	210	Bushels	0.17	35.70	
Labor	1	Acre	40.00	40.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.65	31.80	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	18.32	
Total Variable		Acre		\$ 541.74	
Fixed Machinery Cost	1	Acre	67.00	67.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 714.74	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 876.99	

* 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	\$3.69	\$4.93	\$6.08	210	\$2.58	\$3.40	\$4.18
150	\$3.47	\$4.62	\$5.70	220	\$2.48	\$3.27	\$4.00
160	\$3.27	\$4.35	\$5.37	230	\$2.39	\$3.14	\$3.84
170	\$3.10	\$4.12	\$5.07	240	\$2.30	\$3.02	\$3.70
180	\$2.95	\$3.91	\$4.81	250	\$2.22	\$2.92	\$3.57
190	\$2.81	\$3.72	\$4.58	260	\$2.15	\$2.82	\$3.44
200	\$2.69	\$3.56	\$4.37	270	\$2.09	\$2.73	\$3.33

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	2	Acre	14.00	28.00	
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	13.00	13.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.75	
Total Variable		Acre		\$ 258.80	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 310.80	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 473.05	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.73	\$15.33	\$23.44	55	\$4.74	\$5.68	\$8.63
25	\$10.22	\$12.30	\$18.79	60	\$4.36	\$5.22	\$7.93
30	\$8.54	\$10.28	\$15.68	65	\$4.03	\$4.83	\$7.33
35	\$7.35	\$8.83	\$13.47	70	\$3.76	\$4.50	\$6.82
40	\$6.45	\$7.75	\$11.81	75	\$3.52	\$4.21	\$6.38
45	\$5.75	\$6.91	\$10.51	80	\$3.31	\$3.96	\$5.99
50	\$5.19	\$6.23	\$9.48	85	\$3.12	\$3.74	\$5.65

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	45	Pounds	0.25	11.25	
Potash	80	Pounds	0.26	20.80	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	2	Acre	14.00	28.00	
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	13.00	13.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	10.33	
Total Variable		Acre		\$ 305.43	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 440.43	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 602.68	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
30	\$10.04	\$14.54	\$19.95	65	\$4.73	\$6.80	\$9.30
35	\$8.63	\$12.49	\$17.12	70	\$4.40	\$6.33	\$8.65
40	\$7.57	\$10.95	\$15.00	75	\$4.12	\$5.92	\$8.08
45	\$6.75	\$9.75	\$13.36	80	\$3.87	\$5.56	\$7.59
50	\$6.09	\$8.79	\$12.04	85	\$3.65	\$5.24	\$7.15
55	\$5.55	\$8.01	\$10.96	90	\$3.46	\$4.96	\$6.76
60	\$5.10	\$7.35	\$10.06	95	\$3.29	\$4.71	\$6.42

University of Missouri Extension Southeast Missouri Crop Budget 2020 Enlist 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	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	13.00	13.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.75	
Total Variable		Acre		\$ 258.80	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 310.80	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 473.05	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.73	\$15.33	\$23.44	55	\$4.74	\$5.68	\$8.63
25	\$10.22	\$12.30	\$18.79	60	\$4.36	\$5.22	\$7.93
30	\$8.54	\$10.28	\$15.68	65	\$4.03	\$4.83	\$7.33
35	\$7.35	\$8.83	\$13.47	70	\$3.76	\$4.50	\$6.82
40	\$6.45	\$7.75	\$11.81	75	\$3.52	\$4.21	\$6.38
45	\$5.75	\$6.91	\$10.51	80	\$3.31	\$3.96	\$5.99
50	\$5.19	\$6.23	\$9.48	85	\$3.12	\$3.74	\$5.65

University of Missouri Extension Southeast Missouri Crop Budget 2020 Center Pivot Irrigation Enlist Soybeans

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	0.25	11.25	
Potash	80	Pounds	0.26	20.80	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	13.00	13.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	10.33	
Total Variable		Acre		\$ 305.43	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 440.43	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 602.68	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
30	\$10.04	\$14.54	\$19.95	65	\$4.73	\$6.80	\$9.30
35	\$8.63	\$12.49	\$17.12	70	\$4.40	\$6.33	\$8.65
40	\$7.57	\$10.95	\$15.00	75	\$4.12	\$5.92	\$8.08
45	\$6.75	\$9.75	\$13.36	80	\$3.87	\$5.56	\$7.59
50	\$6.09	\$8.79	\$12.04	85	\$3.65	\$5.24	\$7.15
55	\$5.55	\$8.01	\$10.96	90	\$3.46	\$4.96	\$6.76
60	\$5.10	\$7.35	\$10.06	95	\$3.29	\$4.71	\$6.42

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	13.00	13.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.40	
Total Variable		Acre		\$ 248.45	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 300.45	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 462.70	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.21	\$14.81	\$22.92	55	\$4.55	\$5.49	\$8.44
25	\$9.80	\$11.88	\$18.37	60	\$4.18	\$5.05	\$7.75
30	\$8.20	\$9.93	\$15.34	65	\$3.87	\$4.67	\$7.17
35	\$7.05	\$8.54	\$13.17	70	\$3.61	\$4.35	\$6.67
40	\$6.19	\$7.49	\$11.55	75	\$3.38	\$4.07	\$6.24
45	\$5.52	\$6.68	\$10.28	80	\$3.18	\$3.83	\$5.86
50	\$4.99	\$6.03	\$9.27	85	\$3.00	\$3.61	\$5.52

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	45	Pounds	0.25	11.25	
Potash	80	Pounds	0.26	20.80	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	13.00	13.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	9.98	
Total Variable		Acre		\$ 295.08	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 430.08	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 592.33	

* 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	\$14.46	\$21.21	\$29.32	55	\$5.37	\$7.82	\$10.77
25	\$11.60	\$17.00	\$23.49	60	\$4.93	\$7.18	\$9.89
30	\$9.69	\$14.19	\$19.60	65	\$4.57	\$6.64	\$9.14
35	\$8.33	\$12.19	\$16.83	70	\$4.25	\$6.18	\$8.50
40	\$7.31	\$10.69	\$14.74	75	\$3.98	\$5.78	\$7.94
45	\$6.52	\$9.52	\$13.13	80	\$3.74	\$5.43	\$7.46
50	\$5.88	\$8.58	\$11.83	85	\$3.53	\$5.12	\$7.03

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	27.00	27.00	
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	13.00	13.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	7.67	
Total Variable		Acre		\$ 226.72	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 278.72	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 440.97	

* 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
20	\$11.12	\$13.72	\$21.84	55	\$4.15	\$5.10	\$8.05
25	\$8.93	\$11.01	\$17.50	60	\$3.82	\$4.69	\$7.39
30	\$7.47	\$9.21	\$14.61	65	\$3.54	\$4.34	\$6.84
35	\$6.43	\$7.91	\$12.55	70	\$3.30	\$4.04	\$6.36
40	\$5.65	\$6.95	\$11.00	75	\$3.09	\$3.78	\$5.95
45	\$5.04	\$6.19	\$9.80	80	\$2.91	\$3.56	\$5.59
50	\$4.55	\$5.59	\$8.84	85	\$2.75	\$3.36	\$5.27

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	45	Pounds	0.25	11.25	
Potash	80	Pounds	0.26	20.80	
Limestone	0.5	Tons	30.00	15.00	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	27.00	27.00	
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	13.00	13.00	
Hauling & Transportation*	55	Bushels	0.17	9.35	
Labor	1	Acre	21.00	21.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	9.24	
Total Variable		Acre		\$ 273.34	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 408.34	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 570.59	

* 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	\$13.37	\$20.12	\$28.23	55	\$4.97	\$7.42	\$10.37
25	\$10.73	\$16.13	\$22.62	60	\$4.57	\$6.82	\$9.52
30	\$8.97	\$13.47	\$18.88	65	\$4.23	\$6.31	\$8.80
35	\$7.71	\$11.57	\$16.21	70	\$3.94	\$5.87	\$8.19
40	\$6.77	\$10.14	\$14.20	75	\$3.69	\$5.49	\$7.65
45	\$6.04	\$9.04	\$12.64	80	\$3.47	\$5.16	\$7.19
50	\$5.45	\$8.15	\$11.39	85	\$3.28	\$4.86	\$6.77

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.25	15.00	
Potash	40	Pounds	0.26	10.40	
Limestone	0.5	Tons	30.00	15.00	
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	23.00	23.00	
Post-Emerge	1	Acre	5.00	5.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	110	Bushels	0.19	20.90	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	10.31	
Total Variable		Acre		\$ 304.81	
Fixed Machinery Cost	1	Acre	58.00	58.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 380.81	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 543.06	

* 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	\$4.15	\$5.23	\$7.55	140	\$2.25	\$2.80	\$3.96
80	\$3.68	\$4.63	\$6.65	150	\$2.13	\$2.63	\$3.72
90	\$3.31	\$4.15	\$5.95	160	\$2.02	\$2.49	\$3.51
100	\$3.01	\$3.77	\$5.39	170	\$1.92	\$2.37	\$3.32
110	\$2.77	\$3.46	\$4.94	180	\$1.83	\$2.26	\$3.16
120	\$2.57	\$3.20	\$4.56	190	\$1.76	\$2.16	\$3.01
130	\$2.40	\$2.98	\$4.23	200	\$1.69	\$2.07	\$2.88

University of Missouri Extension Southeast Missouri Crop Budget

2020 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	0.25	17.50	
Potash	45	Pounds	0.26	11.70	
Limestone	0.5	Tons	30.00	15.00	
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	23.00	23.00	
Post-Emerge	1	Acre	5.00	5.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	140	Bushels	0.19	26.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	140	Bushels	0.17	23.80	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.65	26.50	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	12.81	
Total Variable		Acre		\$ 378.91	
Fixed Machinery Cost	1	Acre	58.00	58.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 537.91	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 700.16	

* 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	\$5.24	\$6.86	170	\$2.29	\$3.23	\$4.18
110	\$3.35	\$4.79	\$6.27	180	\$2.19	\$3.07	\$3.97
120	\$3.10	\$4.42	\$5.77	190	\$2.09	\$2.93	\$3.78
130	\$2.89	\$4.11	\$5.36	200	\$2.00	\$2.80	\$3.61
140	\$2.71	\$3.84	\$5.00	210	\$1.92	\$2.68	\$3.45
150	\$2.55	\$3.61	\$4.69	220	\$1.85	\$2.58	\$3.31
160	\$2.41	\$3.41	\$4.42	230	\$1.79	\$2.48	\$3.19

University of Missouri Extension Southeast Missouri Crop Budget

2020 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	0.34	34.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	20	Pounds	0.26	5.20	
Limestone	0.25	Tons	30.00	7.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	2.00	0.00	
Sulfur	15	Pounds	0.33	4.95	
Boron	0	Pounds	5.45	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	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	7.81	
Total Variable		Acre		\$ 230.86	
Fixed Machinery Cost	1	Acre	41.00	41.00	
Fixed Buildings & Bins Cost	1	Acre	5.00	5.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 276.86	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 357.98	

* 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	\$5.64	\$6.79	\$8.82	75	\$3.09	\$3.70	\$4.78
45	\$5.04	\$6.06	\$7.86	80	\$2.91	\$3.48	\$4.50
50	\$4.55	\$5.47	\$7.09	85	\$2.75	\$3.29	\$4.24
55	\$4.15	\$4.99	\$6.46	90	\$2.60	\$3.11	\$4.02
60	\$3.82	\$4.59	\$5.94	95	\$2.47	\$2.96	\$3.81
65	\$3.54	\$4.25	\$5.49	100	\$2.36	\$2.82	\$3.63
70	\$3.30	\$3.96	\$5.11	105	\$2.26	\$2.69	\$3.47

University of Missouri Extension Southeast Missouri Crop Budget 2020 Center Pivot Irrigated Popcorn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Treatment	10	Pounds	5.00	60.00	
Nitrogen	185	Pounds	0.34	62.90	
Phosphate	80	Pounds	0.25	20.00	
Potash	60	Pounds	0.26	15.60	
Limestone	0.5	Tons	30.00	15.00	
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	32.00	32.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	17.00	17.00	
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	20.00	20.00	
Hauling & Transportation*	5000	Pounds	0.0015	7.50	
Labor	1	Acre	40.00	40.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.65	31.80	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	14.57	
Total Variable		Acre		\$ 430.87	
Fixed Machinery Cost	1	Acre	67.00	67.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 582.87	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 745.12	

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
3000	\$0.143	\$0.193	\$0.247	4750	\$0.091	\$0.123	\$0.157
3250	\$0.132	\$0.179	\$0.228	5000	\$0.086	\$0.117	\$0.149
3500	\$0.122	\$0.166	\$0.212	5250	\$0.082	\$0.111	\$0.142
3750	\$0.114	\$0.155	\$0.198	5500	\$0.078	\$0.106	\$0.136
4000	\$0.107	\$0.145	\$0.186	5750	\$0.075	\$0.102	\$0.130
4250	\$0.101	\$0.137	\$0.175	6000	\$0.072	\$0.097	\$0.124
4500	\$0.096	\$0.129	\$0.165	6250	\$0.069	\$0.094	\$0.120

University of Missouri Extension Southeast Missouri Crop Budget 2020 GMO Cotton Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed**	1	Acre	140.00	140.00	
Nitrogen	80	Pounds	0.34	27.20	
Phosphate	40	Pounds	0.25	10.00	
Potash	35	Pounds	0.26	9.10	
Limestone	0.5	Tons	30.00	15.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	1	Acre	45.00	45.00	
Post-Emerge - Layby	0	Acre	0.00	0.00	
Insecticide	1	Acre	37.00	37.00	
Boll Weevil Eradication	0	Acre	5.00	0.00	
Growth Regulator	1	Acre	6.00	6.00	
Defoliation	1	Acre	20.00	20.00	
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	35.00	35.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	0.00	
Irrigation Labor	0	Acre	5.00	0.00	
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 7.0%)	0.5	Acre	7.00%	17.28	
Total Variable		Acre		\$ 511.08	
Fixed Machinery Cost	1	Acre	140.00	140.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 654.08	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 816.33	

**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	\$1.065	\$1.363	\$1.701	900	\$0.568	\$0.727	\$0.907
540	\$0.946	\$1.211	\$1.512	960	\$0.532	\$0.681	\$0.850
600	\$0.852	\$1.090	\$1.361	1020	\$0.501	\$0.641	\$0.800
660	\$0.774	\$0.991	\$1.237	1080	\$0.473	\$0.606	\$0.756
720	\$0.710	\$0.908	\$1.134	1140	\$0.448	\$0.574	\$0.716
780	\$0.655	\$0.839	\$1.047	1200	\$0.426	\$0.545	\$0.680
840	\$0.608	\$0.779	\$0.972	1260	\$0.406	\$0.519	\$0.648

**University of Missouri Extension Southeast Missouri Crop Budget
2020 Center Pivot Irrigated GMO Cotton**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed**	1	Acre	140.00	140.00	
Nitrogen	100	Pounds	0.34	34.00	
Phosphate	50	Pounds	0.25	12.50	
Potash	45	Pounds	0.26	11.70	
Limestone	0.5	Tons	30.00	15.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	1	Acre	40.00	40.00	
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	6.00	12.00	
Defoliation	1	Acre	20.00	20.00	
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	35.00	35.00	
Labor	1	Acre	46.00	46.00	
Irrigation Fuel (Acre Inches)	9	Acre	2.65	23.85	
Irrigation Repairs	1	Acre	12.00	12.00	
Irrigation Labor	1	Acre	5.00	5.00	
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 7.0%)	0.5	Acre	7.00%	19.02	
Total Variable		Acre		\$ 562.57	
Fixed Machinery Cost	1	Acre	140.00	140.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 787.57	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 949.82	

**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	\$0.781	\$1.094	\$1.319	1140	\$0.493	\$0.691	\$0.833
780	\$0.721	\$1.010	\$1.218	1200	\$0.469	\$0.656	\$0.792
840	\$0.670	\$0.938	\$1.131	1260	\$0.446	\$0.625	\$0.754
900	\$0.625	\$0.875	\$1.055	1320	\$0.426	\$0.597	\$0.720
960	\$0.586	\$0.820	\$0.989	1380	\$0.408	\$0.571	\$0.688
1020	\$0.552	\$0.772	\$0.931	1440	\$0.391	\$0.547	\$0.660
1080	\$0.521	\$0.729	\$0.879	1500	\$0.375	\$0.525	\$0.633

**University of Missouri Extension Southeast Missouri Crop Budget
2020 Peanut Budget**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	130	Acre	0.87	113.10	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	65	Pounds	0.25	16.25	
Potash	85	Pounds	0.26	22.10	
Limestone	0.5	Tons	30.00	15.00	
Sulfur	15	Pounds	0.33	4.95	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	1	Acre	27.00	27.00	
Fungicide	1	Acre	34.50	34.50	
Insecticide	1	Acre	16.20	16.20	
Innoculate	1	Acre	6.50	6.50	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	40.00	40.00	
Machinery Repairs	1	Acre	25.00	25.00	
Labor + Chopping	1	Acre	57.00	57.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	0.00	
Irrigation Labor	0	Acre	5.00	0.00	
Scout	1	Acre	8.00	8.00	
Custom Application	0	Acre	6.50	0.00	
Crop Insurance	1	Acre	10.00	10.00	
Hauling	2.2	Tons	0.00	0.00	
Cleaning and Drying	2.2	Tons	8.50	18.70	
Checkoff, Board - State	2.2	Tons	2.50	5.50	
National Peanut Bd Check Off	2.2	Tons	3.50	7.70	
Interest (1/2 year at 7.0%)	0.5	Acre	7.00%	16.29	
Total Variable		Acre		\$ 481.79	
Fixed Machinery Cost	1	Acre	120.00	120.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 604.79	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 767.04	

Breakeven Price in \$/Ton

Yield Ton/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Ton/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
1.8	\$264.44	\$335.22	\$425.36	2.5	\$193.14	\$242.34	\$307.24
1.9	\$251.29	\$317.76	\$403.15	2.6	\$185.84	\$233.15	\$295.55
2.0	\$239.45	\$302.05	\$383.17	2.7	\$179.09	\$224.65	\$284.74
2.1	\$228.73	\$287.83	\$365.09	2.8	\$172.82	\$216.75	\$274.69
2.2	\$219.00	\$274.91	\$348.66	2.9	\$166.98	\$209.39	\$265.34
2.3	\$210.11	\$263.11	\$333.65	3.0	\$161.53	\$202.53	\$256.61
2.4	\$201.96	\$252.29	\$319.89	3.1	\$156.43	\$196.11	\$248.45

**University of Missouri Extension Southeast Missouri Crop Budget
2020 Center Pivot Irrigation Peanut Budget**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	130	Acre	0.87	113.10	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	65	Pounds	0.25	16.25	
Potash	85	Pounds	0.26	22.10	
Limestone	0.5	Tons	30.00	15.00	
Sulfur	15	Pounds	0.33	4.95	
Boron	1	Pounds	6.00	6.00	
Pre-Emerge	1	Acre	20.00	20.00	
Post-Emerge	1	Acre	27.00	27.00	
Fungicide	1	Acre	34.50	34.50	
Insecticide	1	Acre	16.20	16.20	
Innoculate	1	Acre	6.50	6.50	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	40.00	40.00	
Machinery Repairs	1	Acre	25.00	25.00	
Labor + Chopping	1	Acre	57.00	57.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.65	31.80	
Irrigation Repairs	1	Acre	12.00	12.00	
Irrigation Labor	1	Acre	5.00	5.00	
Scout	1	Acre	8.00	8.00	
Custom Application	0	Acre	6.50	0.00	
Crop Insurance	1	Acre	10.00	10.00	
Hauling	2.9	Tons	0.00	0.00	
Cleaning and Drying	2.9	Tons	8.50	24.65	
Checkoff, Board - State	2.9	Tons	2.50	7.25	
National Peanut Bd Check Off	2.9	Tons	3.50	10.15	
Interest (1/2 year at 7.0%)	0.5	Acre	7.00%	18.36	
Total Variable		Acre		\$ 542.81	
Fixed Machinery Cost	1	Acre	120.00	120.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 747.81	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 910.06	

Breakeven Price in \$/Ton

Yield Ton/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Ton/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
2.0	\$264.88	\$372.33	\$453.45	2.7	\$199.97	\$276.71	\$336.80
2.1	\$252.96	\$354.76	\$432.03	2.8	\$193.34	\$266.95	\$324.89
2.2	\$242.12	\$338.80	\$412.55	2.9	\$187.17	\$257.86	\$313.81
2.3	\$232.22	\$324.22	\$394.76	3.0	\$181.42	\$249.39	\$303.47
2.4	\$223.15	\$310.86	\$378.46	3.1	\$176.03	\$241.45	\$293.79
2.5	\$214.80	\$298.56	\$363.46	3.2	\$170.99	\$234.02	\$284.72
2.6	\$207.10	\$287.21	\$349.62	3.3	\$166.24	\$227.03	\$276.20

**University of Missouri Extension Southeast Missouri Crop Budget
2020 Rice Budget - Conventional Variety**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	65	Pounds	0.45	29.25	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	50	Pounds	0.25	12.50	
Potash	30	Pounds	0.26	7.80	
Limestone	0	Tons	30.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	65.00	65.00	
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	30.00	30.00	
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 7.0%)	0.5	Acre	7.00%	17.32	
Total Variable		Acre		\$ 512.07	
Fixed Machinery Cost	1	Acre	80.00	80.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 690.07	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 852.32	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$4.84	\$6.62	\$8.24	170	\$3.04	\$4.09	\$5.04
110	\$4.44	\$6.06	\$7.53	180	\$2.90	\$3.89	\$4.79
120	\$4.11	\$5.59	\$6.95	190	\$2.77	\$3.71	\$4.56
130	\$3.83	\$5.20	\$6.45	200	\$2.65	\$3.54	\$4.36
140	\$3.59	\$4.86	\$6.02	210	\$2.55	\$3.40	\$4.17
150	\$3.38	\$4.57	\$5.65	220	\$2.46	\$3.26	\$4.00
160	\$3.20	\$4.31	\$5.33	230	\$2.37	\$3.14	\$3.85

University of Missouri Extension Southeast Missouri Crop Budget 2020 Hybrid Rice Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed (Tech Fee & Seed Treat)	1	Unit	160.00	160.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	55	Pounds	0.25	13.75	
Potash	30	Pounds	0.26	7.80	
Limestone	0	Tons	30.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	65.00	65.00	
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	30.00	30.00	
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 7.0%)	0.5	Acre	7.00%	21.41	
Total Variable		Acre		\$ 633.06	
Fixed Machinery Cost	1	Acre	80.00	80.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 813.06	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 975.31	

* 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	\$5.04	\$6.54	\$7.89	190	\$3.36	\$4.30	\$5.16
130	\$4.69	\$6.07	\$7.32	200	\$3.21	\$4.11	\$4.92
140	\$4.39	\$5.67	\$6.83	210	\$3.08	\$3.94	\$4.71
150	\$4.13	\$5.33	\$6.41	220	\$2.96	\$3.78	\$4.52
160	\$3.90	\$5.02	\$6.04	230	\$2.85	\$3.64	\$4.34
170	\$3.70	\$4.76	\$5.71	240	\$2.76	\$3.51	\$4.18
180	\$3.52	\$4.52	\$5.42	250	\$2.66	\$3.38	\$4.03

**University of Missouri Extension Southeast Missouri Crop Budget
2020 Rice Budget - Clearfield**

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Tech fee	65	Pounds	1.20	90.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	50	Pounds	0.25	12.50	
Potash	30	Pounds	0.26	7.80	
Limestone	0	Tons	30.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre/Post-Emerge	1	Acre	31.00	31.00	
Post-Emerge	1	Acre	30.00	30.00	
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	30.00	30.00	
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 7.0%)	0.5	Acre	7.00%	18.67	
Total Variable		Acre		\$ 552.17	
Fixed Machinery Cost	1	Acre	80.00	80.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 730.17	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 892.42	

* 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	\$5.24	\$7.02	\$8.64	170	\$3.28	\$4.32	\$5.28
110	\$4.81	\$6.42	\$7.90	180	\$3.12	\$4.11	\$5.01
120	\$4.44	\$5.93	\$7.28	190	\$2.98	\$3.92	\$4.77
130	\$4.14	\$5.51	\$6.76	200	\$2.85	\$3.74	\$4.56
140	\$3.88	\$5.15	\$6.31	210	\$2.74	\$3.59	\$4.36
150	\$3.65	\$4.84	\$5.92	220	\$2.64	\$3.45	\$4.18
160	\$3.45	\$4.56	\$5.58	230	\$2.54	\$3.32	\$4.02

**University of Missouri Extension Southeast Missouri Crop Budget
2020 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	150.00	150.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	55	Pounds	0.25	13.75	
Potash	30	Pounds	0.26	7.80	
Limestone	0	Tons	30.00	0.00	
Zinc	3	Pounds	2.00	6.00	
Sulfur	0	Pounds	0.00	0.00	
Pre/Post-Emerge	1	Acre	31.00	31.00	
Post-Emerge	1	Acre	30.00	30.00	
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	30.00	30.00	
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 7.0%)	0.5	Acre	7.00%	20.29	
Total Variable		Acre		\$ 599.94	
Fixed Machinery Cost	1	Acre	80.00	80.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 779.94	
Land Real Estate Taxes	1	Acre	0.20%	11.00	
Land Interest	5500	Acre	2.75%	151.25	
Total Cost		Acre		\$ 942.19	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
120	\$4.76	\$6.26	\$7.62	190	\$3.18	\$4.13	\$4.98
130	\$4.43	\$5.82	\$7.07	200	\$3.05	\$3.95	\$4.76
140	\$4.15	\$5.44	\$6.60	210	\$2.92	\$3.78	\$4.55
150	\$3.91	\$5.11	\$6.19	220	\$2.81	\$3.63	\$4.37
160	\$3.69	\$4.82	\$5.83	230	\$2.71	\$3.49	\$4.20
170	\$3.50	\$4.56	\$5.51	240	\$2.62	\$3.37	\$4.04
180	\$3.33	\$4.33	\$5.23	250	\$2.53	\$3.25	\$3.90

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	30	Pounds	0.25	7.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	2	Acre	14.00	28.00	
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	10.00	10.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.49	
Total Variable		Acre		\$ 251.14	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 292.14	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 373.27	

* 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	\$12.43	\$14.48	\$18.54	55	\$4.63	\$5.37	\$6.85
25	\$9.98	\$11.62	\$14.86	60	\$4.26	\$4.94	\$6.29
30	\$8.34	\$9.71	\$12.41	65	\$3.94	\$4.57	\$5.82
35	\$7.18	\$8.35	\$10.66	70	\$3.67	\$4.26	\$5.42
40	\$6.30	\$7.32	\$9.35	75	\$3.44	\$3.99	\$5.07
45	\$5.62	\$6.53	\$8.33	80	\$3.23	\$3.75	\$4.76
50	\$5.07	\$5.89	\$7.52	85	\$3.05	\$3.54	\$4.49

**University of Missouri Extension Southeast Missouri Crop Budget
2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	2	Acre	14.00	28.00	
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	10.00	10.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	10.11	
Total Variable		Acre		\$ 299.06	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 422.06	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 503.19	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$14.74	\$20.89	\$24.95	55	\$5.47	\$7.70	\$9.18
25	\$11.83	\$16.75	\$19.99	60	\$5.03	\$7.08	\$8.43
30	\$9.88	\$13.98	\$16.69	65	\$4.65	\$6.55	\$7.79
35	\$8.50	\$12.01	\$14.33	70	\$4.33	\$6.09	\$7.25
40	\$7.46	\$10.53	\$12.56	75	\$4.06	\$5.70	\$6.78
45	\$6.65	\$9.38	\$11.18	80	\$3.81	\$5.35	\$6.36
50	\$6.00	\$8.46	\$10.08	85	\$3.60	\$5.05	\$6.00

University of Missouri Extension Southeast Missouri Crop Budget 2020 No-till Double Crop Enlist 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	0.25	7.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	10.00	10.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.48	
Total Variable		Acre		\$ 250.73	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 291.73	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 372.85	

* 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	\$12.41	\$14.46	\$18.52	55	\$4.62	\$5.37	\$6.84
25	\$9.96	\$11.60	\$14.85	60	\$4.25	\$4.93	\$6.29
30	\$8.33	\$9.70	\$12.40	65	\$3.94	\$4.57	\$5.81
35	\$7.16	\$8.34	\$10.65	70	\$3.67	\$4.25	\$5.41
40	\$6.29	\$7.31	\$9.34	75	\$3.43	\$3.98	\$5.06
45	\$5.61	\$6.52	\$8.32	80	\$3.23	\$3.74	\$4.76
50	\$5.07	\$5.89	\$7.51	85	\$3.05	\$3.53	\$4.49

University of Missouri Extension Southeast Missouri Crop Budget 2020 Ct Pivot Irr. Double Crop Enlist Soybeans

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	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	10.00	10.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	10.10	
Total Variable		Acre		\$ 298.65	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 421.65	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 502.77	

* 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	\$9.87	\$13.97	\$16.67	65	\$4.65	\$6.54	\$7.79
35	\$8.48	\$12.00	\$14.32	70	\$4.33	\$6.08	\$7.24
40	\$7.44	\$10.52	\$12.55	75	\$4.05	\$5.69	\$6.77
45	\$6.64	\$9.37	\$11.17	80	\$3.81	\$5.34	\$6.36
50	\$5.99	\$8.45	\$10.07	85	\$3.59	\$5.04	\$5.99
55	\$5.46	\$7.70	\$9.17	90	\$3.40	\$4.77	\$5.67
60	\$5.02	\$7.07	\$8.42	95	\$3.23	\$4.53	\$5.38

University of Missouri Extension Southeast Missouri Crop Budget

2020 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	0.34	0.00	
Phosphate	30	Pounds	0.25	7.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	10.00	10.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.11	
Total Variable		Acre		\$ 239.96	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 280.96	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 362.09	

* 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	\$11.87	\$13.92	\$17.98	55	\$4.42	\$5.17	\$6.65
25	\$9.53	\$11.17	\$14.42	60	\$4.07	\$4.75	\$6.11
30	\$7.97	\$9.34	\$12.04	65	\$3.77	\$4.40	\$5.65
35	\$6.86	\$8.03	\$10.35	70	\$3.51	\$4.10	\$5.26
40	\$6.02	\$7.05	\$9.07	75	\$3.29	\$3.84	\$4.92
45	\$5.37	\$6.28	\$8.08	80	\$3.10	\$3.61	\$4.62
50	\$4.85	\$5.67	\$7.29	85	\$2.92	\$3.41	\$4.36

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Quarts	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
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	10.00	10.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	9.74	
Total Variable		Acre		\$ 287.89	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 410.89	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 492.01	

* 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
20	\$14.18	\$20.33	\$24.39	55	\$5.27	\$7.50	\$8.98
25	\$11.38	\$16.30	\$19.54	60	\$4.84	\$6.89	\$8.24
30	\$9.51	\$13.61	\$16.32	65	\$4.48	\$6.37	\$7.62
35	\$8.18	\$11.69	\$14.01	70	\$4.17	\$5.93	\$7.09
40	\$7.18	\$10.25	\$12.28	75	\$3.91	\$5.55	\$6.63
45	\$6.40	\$9.13	\$10.93	80	\$3.67	\$5.21	\$6.22
50	\$5.77	\$8.23	\$9.86	85	\$3.47	\$4.91	\$5.87

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	30	Pounds	0.25	7.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	25.00	25.00	
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	10.00	10.00	
Hauling & Transportation*	35	Bushels	0.17	5.95	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	7.23	
Total Variable		Acre		\$ 213.88	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 254.88	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 336.01	

* 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
20	\$10.57	\$12.62	\$16.67	55	\$3.95	\$4.70	\$6.17
25	\$8.49	\$10.13	\$13.37	60	\$3.64	\$4.32	\$5.67
30	\$7.10	\$8.47	\$11.17	65	\$3.37	\$4.00	\$5.25
35	\$6.11	\$7.28	\$9.60	70	\$3.14	\$3.73	\$4.89
40	\$5.37	\$6.39	\$8.42	75	\$2.94	\$3.49	\$4.57
45	\$4.79	\$5.70	\$7.50	80	\$2.77	\$3.28	\$4.30
50	\$4.33	\$5.15	\$6.77	85	\$2.62	\$3.10	\$4.05

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.25	Tons	30.00	7.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	1	Acre	7.00	7.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	25.00	25.00	
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	10.00	10.00	
Hauling & Transportation*	45	Bushels	0.17	7.65	
Labor	1	Acre	15.00	15.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	8.85	
Total Variable		Acre		\$ 261.80	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 384.80	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 465.93	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.88	\$19.03	\$23.08	55	\$4.79	\$7.03	\$8.50
25	\$10.34	\$15.26	\$18.50	60	\$4.41	\$6.46	\$7.81
30	\$8.64	\$12.74	\$15.45	65	\$4.08	\$5.97	\$7.22
35	\$7.43	\$10.95	\$13.26	70	\$3.80	\$5.56	\$6.72
40	\$6.52	\$9.60	\$11.63	75	\$3.56	\$5.20	\$6.28
45	\$5.82	\$8.55	\$10.35	80	\$3.35	\$4.88	\$5.90
50	\$5.25	\$7.71	\$9.34	85	\$3.16	\$4.61	\$5.56

University of Missouri Extension Southeast Missouri Crop Budget

2020 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	0.25	10.00	
Potash	25	Pounds	0.26	6.50	
Limestone	0.25	Tons	30.00	7.50	
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	23.00	23.00	
Post-Emerge	1	Acre	5.00	5.00	
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	16.00	16.00	
Hauling & Transportation*	70	Bushels	0.17	11.90	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	0.00	
Irrigation Repairs	0	Acre	12.00	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 7.0%)	0.5	Acre	7.00%	8.93	
Total Variable		Acre		\$ 264.03	
Fixed Machinery Cost	1	Acre	47.00	47.00	
Fixed Buildings & Bins Cost	1	Acre	12.00	12.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 323.03	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 404.15	

* 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	\$5.14	\$6.32	\$7.94	120	\$2.35	\$2.84	\$3.51
60	\$4.34	\$5.33	\$6.68	130	\$2.19	\$2.65	\$3.27
70	\$3.77	\$4.61	\$5.77	140	\$2.06	\$2.48	\$3.06
80	\$3.34	\$4.08	\$5.10	150	\$1.95	\$2.34	\$2.88
90	\$3.01	\$3.67	\$4.57	160	\$1.85	\$2.22	\$2.72
100	\$2.75	\$3.34	\$4.15	170	\$1.76	\$2.11	\$2.58
110	\$2.53	\$3.06	\$3.80	180	\$1.68	\$2.01	\$2.46

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.25	15.00	
Potash	40	Pounds	0.26	10.40	
Limestone	0.25	Tons	30.00	7.50	
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	23.00	23.00	
Post-Emerge	1	Acre	5.00	5.00	
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	16.00	16.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
Irrigation Repairs	1	Acre	12.00	12.00	
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 7.0%)	0.5	Acre	7.00%	11.66	
Total Variable		Acre		\$ 344.76	
Fixed Machinery Cost	1	Acre	47.00	47.00	
Fixed Buildings & Bins Cost	1	Acre	14.00	14.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 487.76	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 568.88	

* 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	\$4.73	\$6.77	\$7.93	140	\$2.54	\$3.56	\$4.14
80	\$4.18	\$5.97	\$6.98	150	\$2.39	\$3.35	\$3.89
90	\$3.75	\$5.34	\$6.24	160	\$2.26	\$3.16	\$3.66
100	\$3.41	\$4.84	\$5.65	170	\$2.15	\$2.99	\$3.47
110	\$3.13	\$4.43	\$5.17	180	\$2.05	\$2.85	\$3.30
120	\$2.90	\$4.09	\$4.77	190	\$1.96	\$2.71	\$3.14
130	\$2.71	\$3.81	\$4.43	200	\$1.88	\$2.60	\$3.00

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	30	Pounds	0.25	7.50	
Potash	50	Pounds	0.26	13.00	
Limestone	0.25	Tons	30.00	7.50	
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	15.00	15.00	
Machinery Repairs	1	Acre	14.00	14.00	
Labor	1	Acre	31.00	31.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.65	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 7.0%)	0.5	Acre	7.00%	5.95	
Total Variable		Acre		\$ 175.95	
Fixed Machinery Cost	1	Acre	52.00	52.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
Total (Excluding Land)		Acre		\$ 230.95	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 312.08	

* 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	\$0.289	\$0.381	\$0.516	1300	\$0.136	\$0.178	\$0.240
700	\$0.249	\$0.327	\$0.443	1400	\$0.126	\$0.166	\$0.223
800	\$0.218	\$0.287	\$0.388	1500	\$0.118	\$0.155	\$0.209
900	\$0.194	\$0.255	\$0.345	1600	\$0.111	\$0.145	\$0.196
1000	\$0.175	\$0.230	\$0.311	1700	\$0.105	\$0.137	\$0.185
1100	\$0.160	\$0.210	\$0.283	1800	\$0.099	\$0.130	\$0.175
1200	\$0.147	\$0.192	\$0.260	1900	\$0.094	\$0.123	\$0.166

University of Missouri Extension Southeast Missouri Crop Budget 2020 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	0.34	0.00	
Phosphate	40	Pounds	0.25	10.00	
Potash	65	Pounds	0.26	16.90	
Limestone	0.25	Tons	30.00	7.50	
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	15.00	15.00	
Machinery Repairs	1	Acre	14.00	14.00	
Labor	1	Acre	31.00	31.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.65	21.20	
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 7.0%)	0.5	Acre	7.00%	7.46	
Total Variable		Acre		\$ 220.66	
Fixed Machinery Cost	1	Acre	52.00	52.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 357.66	
Land Real Estate Taxes	1	Acre	0.20%	5.50	
Land Interest	2750	Acre	2.75%	75.63	
Total Cost		Acre		\$ 438.79	

* 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	\$0.218	\$0.355	\$0.436	1700	\$0.130	\$0.211	\$0.258
1100	\$0.199	\$0.323	\$0.397	1800	\$0.123	\$0.199	\$0.244
1200	\$0.183	\$0.297	\$0.364	1900	\$0.117	\$0.189	\$0.232
1300	\$0.169	\$0.274	\$0.337	2000	\$0.111	\$0.180	\$0.220
1400	\$0.157	\$0.255	\$0.313	2100	\$0.106	\$0.171	\$0.210
1500	\$0.147	\$0.238	\$0.292	2200	\$0.101	\$0.164	\$0.201
1600	\$0.138	\$0.224	\$0.274	2300	\$0.097	\$0.157	\$0.192

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

Crop 1 - Select Crop Below

Irrigated GMO Corn

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

Corn

Price	Yield
\$5.23	231

Select Price and Yield
For both crops

Crop 2 - Select Crop Below

Wheat (Double Crop)

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

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

Wheat		Grain Sorghum	
Price	Yield	Price	Yield
\$4.78	81	\$4.16	133

	Variable Costs	Total Cost
Crop 1 - Select Crop Below Irrigated GMO Corn	\$ 541.74	\$ 876.99
Crop 2 - Select Crop Below Wheat (Double Crop)	\$ 230.86	\$ 357.98

Irrigated GMO Corn versus Wheat & No Till Grain Sorghum Equal returns Based on Variable Production Costs						
Irr GMO Corn yields with the same net income as			\$4.16 Milo			
Wheat at	81	Bushels/Acre at	\$4.78 per Bushel			
Grain Sorghum		Corn	Prices			
Yields	\$4.73	\$4.98	\$5.23	\$5.48	\$5.73	\$5.98
			Corn	Yields		
113	191	181	173	165	158	151
123	200	190	181	172	165	158
133	209	198	189	180	172	165
143	217	206	197	188	179	172
153	226	215	205	195	187	179

Irrigated GMO Corn versus Wheat & No Till Grain Sorghum Equal returns Based on Variable Production Costs						
No Till Grain Sorghum with the same net income as			\$5.23 Corn			
Wheat at	81	Bushels/Acre at	\$4.78 per Bushel			
Corn		Grain Sorghum	Prices			
Yields	\$3.66	\$3.91	\$4.16	\$4.41	\$4.66	\$4.91
			Grain Sorghum	Yields		
211	183	172	161	152	144	137
221	198	185	174	164	155	147
231	212	198	186	176	166	158
241	226	212	199	188	178	169
251	240	225	211	199	189	179

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

Crop 1 - Select Crop Below

Irrigated GMO Corn

- Xtend Soybeans
- Irr. Xtend Soybeans
- Enlist Soybeans
- Irr Enlist Soybeans

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

Corn

Price Yield

\$5.23 231

▲ ▼ ▲ ▼

Select Price and Yield
 For both crops

Crop 2 - Select Crop Below

Wheat (Double Crop)

- Grain Sorghum
- Irrigated Grain Sorghum
- Wheat (Single Crop)
- Wheat (Double Crop)

- No Till Enlist Soybeans
- Irrigated No Till Enlist Soybeans
- No Till LL Soybeans
- Irrigated No Till LL Soybeans

Wheat

Price Yield

\$4.78 81

▲ ▼ ▲ ▼

Grain Sorghum

Price Yield

\$4.16 133

▲ ▼ ▲ ▼

Crop 1 - Select Crop Below

Irrigated GMO Corn

Crop 2 - Select Crop Below

Wheat (Double Crop)

	Variable Costs	Total Cost
Irrigated GMO Corn	\$ 541.74	\$ 876.99
Wheat (Double Crop)	\$ 230.86	\$ 357.98

Irrigated GMO Corn versus Wheat & No Till Grain Sorghum						
Net Returns Based on Variable Production Costs						
Irr GMO Corn at 231 Bu/Ac		Wheat & No Till Grain Sorghum and \$4.16 Milo				
Wheat at 81 Bushels/Acre at \$4.78 per Bushel						
Grain Sorghum Yields	\$4.73	\$4.98	\$5.23	\$5.48	\$5.73	\$5.98
Corn Net Returns						
113	\$191	\$249	\$307	\$365	\$423	\$480
123	\$150	\$207	\$265	\$323	\$381	\$439
133	\$108	\$166	\$224	\$282	\$339	\$397
143	\$67	\$124	\$182	\$240	\$298	\$356
153	\$25	\$83	\$141	\$199	\$256	\$314

Wheat & No Till Grain Sorghum versus Irrigated GMO Corn						
Net Returns Based on Variable Production Costs						
Grain Sorghum 133 Bu/Ac		Wheat & No Till Grain Sorghum and \$5.23 Corn				
Wheat at 81 Bushels/Acre at \$4.78 per Bushel						
Corn Yields	\$3.66	\$3.91	\$4.16	\$4.41	\$4.66	\$4.91
Grain Sorghum Net Returns						
211	(186)	(152)	(119)	(86)	(53)	(20)
221	(238)	(205)	(172)	(138)	(105)	(72)
231	(290)	(257)	(224)	(191)	(158)	(124)
241	(342)	(309)	(276)	(243)	(210)	(177)
251	(395)	(361)	(328)	(295)	(262)	(229)

University of Missouri Extension

Southeast Missouri Non-Irrigation Crop Budgets 2020

	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Cotton	Wheat	D. C. Soybean L.L.
Revenue						
Estimated Yield (Bu/Acre) ^A	165	48	48	900	70	42
Estimated Price (\$/Bushel) ^B	\$3.30	\$8.30	\$9.20	\$0.550	\$5.50	\$8.78
Estimated Gross Revenue (\$/Acre)	\$544.50	\$398.40	\$441.60	\$495.00	\$385.00	\$368.76
Total Variable Cost	\$ 423.47	\$ 258.80	\$ 248.45	\$ 511.08	\$ 230.86	\$ 239.96
Total Costs (Excluding Land)	\$ 509.47	\$ 310.80	\$ 300.45	\$ 654.08	\$ 276.86	\$ 280.96
Total Cost (Including Land or Rent)	\$ 671.72	\$ 473.05	\$ 462.70	\$ 816.33	\$ 357.98	\$ 362.09
Estimated Returns						
Returns Above Variable Costs	\$121.03	\$139.60	\$193.15	(\$16.08)	\$154.14	\$128.80
Returns Above Mach & Buildings	\$35.03	\$87.60	\$141.15	(\$159.08)	\$108.14	\$87.80
Returns Above Total Costs	(\$127.22)	(\$74.65)	(\$21.10)	(\$321.33)	\$27.02	\$6.67
Breakeven Price	\$4.07	\$9.86	\$9.64	\$0.91	\$5.11	\$8.62
Breakeven Yield	204	57	50	1,484	65	41

University of Missouri Extension Southeast Missouri Irrigation Crop Budgets 2020

	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Cotton	Rice Convent.	Wheat	D. C. Soybean L.L.
Revenue							
Estimated Yield (Bu/Acre) ^A	220	65	65	1300	180	75	50
Estimated Price (\$/Bushel) ^B	\$3.56	\$8.78	\$9.60	\$0.720	\$5.50	\$5.50	\$9.60
Estimated Gross Revenue (\$/Acre)	\$783.20	\$570.70	\$624.00	\$936.00	\$990.00	\$412.50	\$480.00
Total Variable Cost	\$ 541.74	\$ 305.43	\$ 295.08	\$ 562.57	\$ 512.07	\$ 230.86	\$ 287.89
Total Costs (Excluding Land)	\$ 714.74	\$ 440.43	\$ 430.08	\$ 787.57	\$ 690.07	\$ 276.86	\$ 410.89
Total Cost (Including Land or Rent)	\$ 876.99	\$ 602.68	\$ 592.33	\$ 949.82	\$ 852.32	\$ 357.98	\$ 492.01
Estimated Returns							
Returns Above Variable Costs	\$241.46	\$265.27	\$328.92	\$373.43	\$477.93	\$181.64	\$192.11
Returns Above Mach & Buildings	\$68.46	\$130.27	\$193.92	\$148.43	\$299.93	\$135.64	\$69.11
Returns Above Total Costs	(\$93.79)	(\$31.98)	\$31.67	(\$13.82)	\$137.68	\$54.52	(\$12.01)
Breakeven Price	\$3.99	\$9.27	\$9.11	\$0.73	\$4.74	\$4.77	\$9.84
Breakeven Yield	246	69	62	1,319	155	65	51