



**CROP BUDGETS
SOUTHEAST MISSOURI
2019**

**Roundup Ready 2 Xtend, Conventional,
Liberty Link, GMO, Hybrid, Clearfield, No-Till,
Double Crop, Irrigation**

**Corn
Soybeans
Wheat
Grain Sorghum
Cotton
Rice
Popcorn
Southern Peas**

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University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	75.90	
Phosphate	70	Pounds	0.42	29.40	
Potash	45	Pounds	0.31	13.95	
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	17.00	17.00	
Post-Emerge	1	Acre	12.00	12.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	150	Bushels	0.19	28.50	
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	2.65	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%	14.63	
Total Variable		Acre		\$ 432.63	
Fixed Machinery Cost	1	Acre	65.00	65.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 516.63	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 667.83	

* 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	\$4.15	\$4.99	\$6.50	170	\$2.59	\$3.08	\$3.97
110	\$3.80	\$4.57	\$5.94	180	\$2.46	\$2.93	\$3.77
120	\$3.52	\$4.22	\$5.48	190	\$2.35	\$2.79	\$3.59
130	\$3.27	\$3.92	\$5.08	200	\$2.25	\$2.67	\$3.43
140	\$3.06	\$3.66	\$4.74	210	\$2.16	\$2.56	\$3.28
150	\$2.88	\$3.44	\$4.45	220	\$2.08	\$2.46	\$3.15
160	\$2.73	\$3.25	\$4.20	230	\$2.01	\$2.37	\$3.03

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	101.20	
Phosphate	90	Pounds	0.42	37.80	
Potash	60	Pounds	0.31	18.60	
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	17.00	17.00	
Post-Emerge	1	Acre	12.00	12.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	200	Bushels	0.19	38.00	
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	2.65	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%	18.77	
Total Variable		Acre		\$ 555.04	
Fixed Machinery Cost	1	Acre	65.00	65.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 722.04	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 873.24	

* 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	\$3.81	\$5.00	\$6.08	210	\$2.66	\$3.46	\$4.18
150	\$3.58	\$4.69	\$5.70	220	\$2.56	\$3.31	\$4.00
160	\$3.38	\$4.42	\$5.37	230	\$2.46	\$3.19	\$3.84
170	\$3.20	\$4.18	\$5.07	240	\$2.37	\$3.07	\$3.70
180	\$3.04	\$3.97	\$4.81	250	\$2.29	\$2.96	\$3.56
190	\$2.90	\$3.78	\$4.58	260	\$2.22	\$2.86	\$3.44
200	\$2.78	\$3.61	\$4.37	270	\$2.15	\$2.77	\$3.33

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	75.90	
Phosphate	70	Pounds	0.42	29.40	
Potash	45	Pounds	0.31	13.95	
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	17.00	17.00	
Post-Emerge	1	Acre	17.00	17.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	150	Bushels	0.19	28.50	
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	2.65	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%	15.28	
Total Variable		Acre		\$ 451.78	
Fixed Machinery Cost	1	Acre	65.00	65.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 535.78	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 686.98	

* 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
100	\$4.34	\$5.18	\$6.69	170	\$2.70	\$3.19	\$4.08
110	\$3.98	\$4.74	\$6.11	180	\$2.57	\$3.04	\$3.88
120	\$3.67	\$4.37	\$5.63	190	\$2.45	\$2.90	\$3.69
130	\$3.42	\$4.07	\$5.23	200	\$2.35	\$2.77	\$3.52
140	\$3.20	\$3.80	\$4.88	210	\$2.25	\$2.65	\$3.37
150	\$3.01	\$3.57	\$4.58	220	\$2.17	\$2.55	\$3.24
160	\$2.85	\$3.37	\$4.32	230	\$2.09	\$2.45	\$3.11

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	101.20	
Phosphate	90	Pounds	0.42	37.80	
Potash	60	Pounds	0.31	18.60	
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	17.00	17.00	
Post-Emerge	1	Acre	17.00	17.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	200	Bushels	0.19	38.00	
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	2.65	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%	19.65	
Total Variable		Acre		\$ 581.18	
Fixed Machinery Cost	1	Acre	65.00	65.00	
Fixed Buildings & Bins Cost	1	Acre	24.00	24.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 748.18	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 899.38	

* 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
140	\$4.00	\$5.19	\$6.27	210	\$2.78	\$3.58	\$4.30
150	\$3.75	\$4.87	\$5.88	220	\$2.67	\$3.43	\$4.12
160	\$3.54	\$4.59	\$5.53	230	\$2.57	\$3.30	\$3.96
170	\$3.36	\$4.34	\$5.23	240	\$2.48	\$3.18	\$3.81
180	\$3.19	\$4.12	\$4.96	250	\$2.40	\$3.06	\$3.67
190	\$3.04	\$3.92	\$4.71	260	\$2.32	\$2.96	\$3.54
200	\$2.91	\$3.74	\$4.50	270	\$2.25	\$2.86	\$3.42

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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%	9.10	
Total Variable		Acre		\$ 269.20	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 321.20	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 472.40	

* 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	\$13.25	\$15.85	\$23.41	55	\$4.93	\$5.87	\$8.62
25	\$10.63	\$12.71	\$18.76	60	\$4.53	\$5.40	\$7.92
30	\$8.89	\$10.62	\$15.66	65	\$4.19	\$4.99	\$7.32
35	\$7.64	\$9.13	\$13.45	70	\$3.91	\$4.65	\$6.81
40	\$6.71	\$8.01	\$11.79	75	\$3.66	\$4.35	\$6.37
45	\$5.98	\$7.14	\$10.50	80	\$3.44	\$4.09	\$5.98
50	\$5.40	\$6.44	\$9.47	85	\$3.25	\$3.86	\$5.64

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	0.00	
Phosphate	45	Pounds	0.42	18.90	
Potash	80	Pounds	0.31	24.80	
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%	10.74	
Total Variable		Acre		\$ 317.49	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 448.49	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 599.69	

* 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	\$10.44	\$14.81	\$19.85	65	\$4.91	\$6.93	\$9.25
35	\$8.97	\$12.72	\$17.04	70	\$4.57	\$6.44	\$8.60
40	\$7.87	\$11.15	\$14.93	75	\$4.28	\$6.03	\$8.04
45	\$7.02	\$9.93	\$13.29	80	\$4.02	\$5.66	\$7.55
50	\$6.33	\$8.95	\$11.98	85	\$3.80	\$5.34	\$7.12
55	\$5.77	\$8.15	\$10.90	90	\$3.59	\$5.05	\$6.73
60	\$5.31	\$7.49	\$10.01	95	\$3.41	\$4.79	\$6.38

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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%	8.75	
Total Variable		Acre		\$ 258.85	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 310.85	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 462.05	

* 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	\$22.89	55	\$4.74	\$5.68	\$8.43
25	\$10.22	\$12.30	\$18.35	60	\$4.36	\$5.22	\$7.74
30	\$8.54	\$10.28	\$15.32	65	\$4.03	\$4.83	\$7.16
35	\$7.35	\$8.83	\$13.15	70	\$3.76	\$4.50	\$6.66
40	\$6.45	\$7.75	\$11.53	75	\$3.52	\$4.21	\$6.23
45	\$5.75	\$6.91	\$10.27	80	\$3.31	\$3.96	\$5.85
50	\$5.19	\$6.23	\$9.26	85	\$3.13	\$3.74	\$5.52

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	45	Pounds	0.42	18.90	
Potash	80	Pounds	0.31	24.80	
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%	10.39	
Total Variable		Acre		\$ 307.14	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 438.14	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 589.34	

* 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	\$15.06	\$21.61	\$29.17	55	\$5.58	\$7.97	\$10.72
25	\$12.08	\$17.32	\$23.37	60	\$5.13	\$7.32	\$9.84
30	\$10.10	\$14.46	\$19.50	65	\$4.75	\$6.77	\$9.09
35	\$8.68	\$12.42	\$16.74	70	\$4.42	\$6.30	\$8.46
40	\$7.61	\$10.89	\$14.67	75	\$4.14	\$5.89	\$7.90
45	\$6.79	\$9.70	\$13.06	80	\$3.89	\$5.53	\$7.42
50	\$6.13	\$8.75	\$11.77	85	\$3.67	\$5.21	\$6.99

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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	25.00	25.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	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%	7.95	
Total Variable		Acre		\$ 235.05	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 287.05	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 438.25	

* 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	\$11.54	\$14.14	\$21.70	55	\$4.30	\$5.25	\$8.00
25	\$9.27	\$11.35	\$17.39	60	\$3.96	\$4.83	\$7.35
30	\$7.75	\$9.48	\$14.52	65	\$3.67	\$4.47	\$6.79
35	\$6.67	\$8.15	\$12.47	70	\$3.42	\$4.16	\$6.32
40	\$5.85	\$7.15	\$10.93	75	\$3.20	\$3.90	\$5.91
45	\$5.22	\$6.38	\$9.74	80	\$3.01	\$3.66	\$5.55
50	\$4.72	\$5.76	\$8.78	85	\$2.85	\$3.46	\$5.24

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	0.00	
Phosphate	45	Pounds	0.42	18.90	
Potash	80	Pounds	0.31	24.80	
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	25.00	25.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	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%	9.58	
Total Variable		Acre		\$ 283.33	
Fixed Machinery Cost	1	Acre	45.00	45.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 414.33	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 565.53	

* 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	\$13.87	\$20.42	\$27.98	55	\$5.15	\$7.53	\$10.28
25	\$11.13	\$16.37	\$22.42	60	\$4.74	\$6.92	\$9.44
30	\$9.30	\$13.67	\$18.71	65	\$4.39	\$6.40	\$8.73
35	\$8.00	\$11.74	\$16.06	70	\$4.08	\$5.96	\$8.12
40	\$7.02	\$10.29	\$14.07	75	\$3.82	\$5.57	\$7.59
45	\$6.26	\$9.17	\$12.53	80	\$3.59	\$5.23	\$7.12
50	\$5.65	\$8.27	\$11.29	85	\$3.39	\$4.93	\$6.71

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	57.50	
Phosphate	60	Pounds	0.42	25.20	
Potash	40	Pounds	0.31	12.40	
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	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	2.65	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%	11.22	
Total Variable		Acre		\$ 331.92	
Fixed Machinery Cost	1	Acre	58.00	58.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 407.92	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 559.12	

* 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	\$4.54	\$5.62	\$7.78	140	\$2.45	\$2.99	\$4.07
80	\$4.01	\$4.96	\$6.85	150	\$2.31	\$2.82	\$3.82
90	\$3.61	\$4.45	\$6.13	160	\$2.19	\$2.66	\$3.61
100	\$3.28	\$4.04	\$5.56	170	\$2.08	\$2.53	\$3.42
110	\$3.02	\$3.71	\$5.08	180	\$1.98	\$2.41	\$3.25
120	\$2.80	\$3.43	\$4.69	190	\$1.90	\$2.30	\$3.09
130	\$2.61	\$3.19	\$4.36	200	\$1.82	\$2.20	\$2.96

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	69.00	
Phosphate	70	Pounds	0.42	29.40	
Potash	45	Pounds	0.31	13.95	
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	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	2.65	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%	13.90	
Total Variable		Acre		\$ 411.15	
Fixed Machinery Cost	1	Acre	58.00	58.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 566.15	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 717.35	

* 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	\$5.52	\$7.03	170	\$2.48	\$3.39	\$4.28
110	\$3.64	\$5.05	\$6.42	180	\$2.36	\$3.23	\$4.07
120	\$3.37	\$4.66	\$5.92	190	\$2.26	\$3.07	\$3.87
130	\$3.14	\$4.33	\$5.49	200	\$2.16	\$2.94	\$3.69
140	\$2.94	\$4.04	\$5.12	210	\$2.08	\$2.82	\$3.54
150	\$2.77	\$3.80	\$4.81	220	\$2.00	\$2.70	\$3.39
160	\$2.61	\$3.58	\$4.53	230	\$1.93	\$2.60	\$3.26

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	46.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	20	Pounds	0.31	6.20	
Limestone	0.25	Tons	30.00	7.50	
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	2.65	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%	8.51	
Total Variable		Acre		\$ 251.66	
Fixed Machinery Cost	1	Acre	41.00	41.00	
Fixed Buildings & Bins Cost	1	Acre	5.00	5.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 297.66	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 373.26	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
40	\$6.16	\$7.31	\$9.20	75	\$3.37	\$3.98	\$4.99
45	\$5.50	\$6.52	\$8.20	80	\$3.17	\$3.74	\$4.69
50	\$4.97	\$5.89	\$7.40	85	\$2.99	\$3.53	\$4.42
55	\$4.53	\$5.37	\$6.74	90	\$2.83	\$3.35	\$4.19
60	\$4.17	\$4.93	\$6.19	95	\$2.69	\$3.18	\$3.97
65	\$3.86	\$4.57	\$5.73	100	\$2.57	\$3.03	\$3.78
70	\$3.60	\$4.25	\$5.33	105	\$2.45	\$2.89	\$3.61

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	85.10	
Phosphate	80	Pounds	0.42	33.60	
Potash	60	Pounds	0.31	18.60	
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	18.00	18.00	
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	2.65	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%	15.86	
Total Variable		Acre		\$ 468.96	
Fixed Machinery Cost	1	Acre	65.00	65.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 614.96	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 766.16	

* 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	\$0.155	\$0.204	\$0.254	4750	\$0.099	\$0.129	\$0.161
3250	\$0.143	\$0.188	\$0.235	5000	\$0.094	\$0.123	\$0.153
3500	\$0.133	\$0.175	\$0.218	5250	\$0.089	\$0.117	\$0.146
3750	\$0.125	\$0.163	\$0.204	5500	\$0.085	\$0.112	\$0.139
4000	\$0.117	\$0.153	\$0.191	5750	\$0.082	\$0.107	\$0.133
4250	\$0.110	\$0.144	\$0.180	6000	\$0.078	\$0.103	\$0.128
4500	\$0.104	\$0.136	\$0.170	6250	\$0.075	\$0.099	\$0.123

**University of Missouri Extension Southeast Missouri Crop Budget
2019 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	0.46	36.80	
Phosphate	40	Pounds	0.42	16.80	
Potash	35	Pounds	0.31	10.85	
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	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	29.00	29.00	
Machinery Repairs	1	Acre	33.00	33.00	
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%	16.87	
Total Variable		Acre		\$ 498.82	
Fixed Machinery Cost	1	Acre	140.00	140.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 641.82	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 793.02	

**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	\$1.039	\$1.337	\$1.652	900	\$0.554	\$0.713	\$0.881
540	\$0.924	\$1.189	\$1.469	960	\$0.520	\$0.669	\$0.826
600	\$0.831	\$1.070	\$1.322	1020	\$0.489	\$0.629	\$0.777
660	\$0.756	\$0.972	\$1.202	1080	\$0.462	\$0.594	\$0.734
720	\$0.693	\$0.891	\$1.101	1140	\$0.438	\$0.563	\$0.696
780	\$0.640	\$0.823	\$1.017	1200	\$0.416	\$0.535	\$0.661
840	\$0.594	\$0.764	\$0.944	1260	\$0.396	\$0.509	\$0.629

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	36.80	
Phosphate	50	Pounds	0.42	21.00	
Potash	45	Pounds	0.31	13.95	
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	29.00	29.00	
Machinery Repairs	1	Acre	33.00	33.00	
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%	18.76	
Total Variable		Acre		\$ 554.86	
Fixed Machinery Cost	1	Acre	140.00	140.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 775.86	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 927.06	

**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	\$0.771	\$1.078	\$1.288	1140	\$0.487	\$0.681	\$0.813
780	\$0.711	\$0.995	\$1.189	1200	\$0.462	\$0.647	\$0.773
840	\$0.661	\$0.924	\$1.104	1260	\$0.440	\$0.616	\$0.736
900	\$0.617	\$0.862	\$1.030	1320	\$0.420	\$0.588	\$0.702
960	\$0.578	\$0.808	\$0.966	1380	\$0.402	\$0.562	\$0.672
1020	\$0.544	\$0.761	\$0.909	1440	\$0.385	\$0.539	\$0.644
1080	\$0.514	\$0.718	\$0.858	1500	\$0.370	\$0.517	\$0.618

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	69.00	
Phosphate	50	Pounds	0.42	21.00	
Potash	30	Pounds	0.31	9.30	
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	16.00	16.00	
Post-Emerge	1	Acre	50.00	50.00	
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	18.00	18.00	
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%	17.28	
Total Variable		Acre		\$ 511.03	
Fixed Machinery Cost	1	Acre	73.00	73.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 682.03	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 833.23	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$4.83	\$6.54	\$8.05	170	\$3.03	\$4.04	\$4.93
110	\$4.43	\$5.99	\$7.36	180	\$2.89	\$3.84	\$4.68
120	\$4.10	\$5.53	\$6.79	190	\$2.76	\$3.66	\$4.46
130	\$3.82	\$5.14	\$6.30	200	\$2.65	\$3.50	\$4.26
140	\$3.58	\$4.80	\$5.88	210	\$2.55	\$3.36	\$4.08
150	\$3.38	\$4.52	\$5.52	220	\$2.45	\$3.23	\$3.92
160	\$3.19	\$4.26	\$5.21	230	\$2.36	\$3.11	\$3.77

University of Missouri Extension Southeast Missouri Crop Budget

2019 Hybrid Rice Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed (Tech Fee & Seed Treat)	1	Unit	152.00	152.00	
Nitrogen	150	Pounds	0.46	69.00	
Phosphate	55	Pounds	0.42	23.10	
Potash	30	Pounds	0.31	9.30	
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	16.00	16.00	
Post-Emerge	1	Acre	50.00	50.00	
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	18.00	18.00	
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%	21.12	
Total Variable		Acre		\$ 624.62	
Fixed Machinery Cost	1	Acre	73.00	73.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 797.62	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 948.82	

* 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	\$4.97	\$6.41	\$7.67	190	\$3.31	\$4.22	\$5.02
130	\$4.62	\$5.95	\$7.12	200	\$3.17	\$4.04	\$4.79
140	\$4.33	\$5.56	\$6.64	210	\$3.04	\$3.87	\$4.59
150	\$4.07	\$5.22	\$6.23	220	\$2.92	\$3.71	\$4.40
160	\$3.85	\$4.93	\$5.87	230	\$2.82	\$3.57	\$4.23
170	\$3.65	\$4.66	\$5.55	240	\$2.72	\$3.44	\$4.07
180	\$3.47	\$4.43	\$5.27	250	\$2.63	\$3.32	\$3.93

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	69.00	
Phosphate	50	Pounds	0.42	21.00	
Potash	30	Pounds	0.31	9.30	
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	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	18.00	18.00	
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%	18.99	
Total Variable		Acre		\$ 561.49	
Fixed Machinery Cost	1	Acre	73.00	73.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 732.49	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 883.69	

* 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	\$5.33	\$7.04	\$8.55	170	\$3.33	\$4.34	\$5.23
110	\$4.89	\$6.45	\$7.82	180	\$3.17	\$4.12	\$4.96
120	\$4.52	\$5.95	\$7.21	190	\$3.03	\$3.93	\$4.73
130	\$4.21	\$5.53	\$6.69	200	\$2.90	\$3.76	\$4.51
140	\$3.94	\$5.16	\$6.24	210	\$2.79	\$3.60	\$4.32
150	\$3.71	\$4.85	\$5.86	220	\$2.68	\$3.46	\$4.14
160	\$3.51	\$4.58	\$5.52	230	\$2.58	\$3.33	\$3.99

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	69.00	
Phosphate	55	Pounds	0.42	23.10	
Potash	30	Pounds	0.31	9.30	
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	27.00	27.00	
Post-Emerge	1	Acre	27.00	27.00	
Fungicide	0	Ounces	18.00	0.00	
Insecticide	0	Acre	0.00	0.00	
Drying (Custom/Bushel)*	180	Bushels	0.30	54.00	
Hauling & Transportation*	180	Bushels	0.17	30.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	25.00	25.00	
Machinery Repairs	1	Acre	18.00	18.00	
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%	20.63	
Total Variable		Acre		\$ 610.13	
Fixed Machinery Cost	1	Acre	73.00	73.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 783.13	
Land Real Estate Taxes	1	Acre	0.20%	11.20	
Land Interest	5600	Acre	2.50%	140.00	
Total Cost		Acre		\$ 934.33	

* 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
120	\$4.85	\$6.29	\$7.55	190	\$3.24	\$4.15	\$4.94
130	\$4.51	\$5.84	\$7.01	200	\$3.10	\$3.96	\$4.72
140	\$4.22	\$5.46	\$6.54	210	\$2.97	\$3.80	\$4.52
150	\$3.97	\$5.13	\$6.13	220	\$2.86	\$3.65	\$4.33
160	\$3.75	\$4.84	\$5.78	230	\$2.75	\$3.51	\$4.16
170	\$3.56	\$4.58	\$5.47	240	\$2.66	\$3.38	\$4.01
180	\$3.39	\$4.35	\$5.19	250	\$2.57	\$3.26	\$3.87

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	30	Pounds	0.42	12.60	
Potash	50	Pounds	0.31	15.50	
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%	8.76	
Total Variable		Acre		\$ 259.01	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 300.01	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 375.61	

* 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	\$12.82	\$14.87	\$18.65	55	\$4.77	\$5.52	\$6.89
25	\$10.29	\$11.93	\$14.96	60	\$4.39	\$5.07	\$6.33
30	\$8.61	\$9.97	\$12.49	65	\$4.06	\$4.69	\$5.86
35	\$7.40	\$8.57	\$10.73	70	\$3.79	\$4.37	\$5.45
40	\$6.50	\$7.52	\$9.41	75	\$3.54	\$4.09	\$5.10
45	\$5.79	\$6.70	\$8.38	80	\$3.33	\$3.85	\$4.79
50	\$5.23	\$6.05	\$7.56	85	\$3.15	\$3.63	\$4.52

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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%	10.47	
Total Variable		Acre		\$ 309.47	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 428.47	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 504.07	

* 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	\$15.26	\$21.21	\$24.99	55	\$5.66	\$7.82	\$9.20
25	\$12.24	\$17.00	\$20.03	60	\$5.20	\$7.18	\$8.44
30	\$10.23	\$14.20	\$16.72	65	\$4.81	\$6.64	\$7.81
35	\$8.79	\$12.19	\$14.35	70	\$4.48	\$6.18	\$7.26
40	\$7.72	\$10.69	\$12.58	75	\$4.19	\$5.78	\$6.79
45	\$6.88	\$9.52	\$11.20	80	\$3.94	\$5.43	\$6.38
50	\$6.21	\$8.59	\$10.10	85	\$3.72	\$5.12	\$6.01

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	0.00	
Phosphate	30	Pounds	0.42	12.60	
Potash	50	Pounds	0.31	15.50	
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%	8.38	
Total Variable		Acre		\$ 247.83	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 288.83	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 364.43	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$12.26	\$14.31	\$18.09	55	\$4.57	\$5.31	\$6.69
25	\$9.85	\$11.49	\$14.51	60	\$4.20	\$4.88	\$6.14
30	\$8.23	\$9.60	\$12.12	65	\$3.89	\$4.52	\$5.69
35	\$7.08	\$8.25	\$10.41	70	\$3.63	\$4.21	\$5.29
40	\$6.22	\$7.24	\$9.13	75	\$3.40	\$3.94	\$4.95
45	\$5.55	\$6.46	\$8.14	80	\$3.19	\$3.71	\$4.65
50	\$5.01	\$5.83	\$7.34	85	\$3.02	\$3.50	\$4.39

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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%	10.09	
Total Variable		Acre		\$ 298.29	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 417.29	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 492.89	

* 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	\$14.70	\$20.65	\$24.43	55	\$5.45	\$7.62	\$8.99
25	\$11.80	\$16.56	\$19.58	60	\$5.01	\$7.00	\$8.26
30	\$9.86	\$13.82	\$16.34	65	\$4.64	\$6.47	\$7.64
35	\$8.47	\$11.87	\$14.03	70	\$4.32	\$6.02	\$7.10
40	\$7.44	\$10.41	\$12.30	75	\$4.05	\$5.63	\$6.64
45	\$6.63	\$9.27	\$10.95	80	\$3.80	\$5.29	\$6.24
50	\$5.98	\$8.36	\$9.87	85	\$3.59	\$4.99	\$5.88

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	30	Pounds	0.42	12.60	
Potash	50	Pounds	0.31	15.50	
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%	7.50	
Total Variable		Acre		\$ 221.75	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 262.75	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 338.35	

* 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	\$10.96	\$13.01	\$16.79	55	\$4.09	\$4.84	\$6.21
25	\$8.80	\$10.44	\$13.47	60	\$3.77	\$4.45	\$5.71
30	\$7.36	\$8.73	\$11.25	65	\$3.49	\$4.12	\$5.28
35	\$6.34	\$7.51	\$9.67	70	\$3.25	\$3.84	\$4.92
40	\$5.56	\$6.59	\$8.48	75	\$3.05	\$3.59	\$4.60
45	\$4.97	\$5.88	\$7.56	80	\$2.87	\$3.38	\$4.32
50	\$4.49	\$5.31	\$6.82	85	\$2.71	\$3.19	\$4.08

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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%	9.21	
Total Variable		Acre		\$ 272.21	
Fixed Machinery Cost	1	Acre	34.00	34.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 391.21	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 466.81	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	\$13.40	\$19.35	\$23.13	55	\$4.98	\$7.14	\$8.52
25	\$10.75	\$15.51	\$18.54	60	\$4.58	\$6.56	\$7.82
30	\$8.99	\$12.96	\$15.48	65	\$4.24	\$6.07	\$7.23
35	\$7.73	\$11.13	\$13.29	70	\$3.95	\$5.65	\$6.73
40	\$6.78	\$9.76	\$11.65	75	\$3.70	\$5.28	\$6.29
45	\$6.05	\$8.69	\$10.37	80	\$3.48	\$4.96	\$5.91
50	\$5.46	\$7.84	\$9.35	85	\$3.28	\$4.68	\$5.57

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	41.40	
Phosphate	40	Pounds	0.42	16.80	
Potash	25	Pounds	0.31	7.75	
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	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	2.65	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%	9.55	
Total Variable		Acre		\$ 282.50	
Fixed Machinery Cost	1	Acre	46.00	46.00	
Fixed Buildings & Bins Cost	1	Acre	12.00	12.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 340.50	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 416.10	

* 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	\$5.51	\$6.67	\$8.18	120	\$2.50	\$2.98	\$3.61
60	\$4.65	\$5.62	\$6.88	130	\$2.33	\$2.78	\$3.36
70	\$4.04	\$4.86	\$5.94	140	\$2.19	\$2.61	\$3.15
80	\$3.58	\$4.30	\$5.25	150	\$2.07	\$2.46	\$2.96
90	\$3.22	\$3.86	\$4.70	160	\$1.96	\$2.33	\$2.80
100	\$2.93	\$3.51	\$4.27	170	\$1.87	\$2.21	\$2.65
110	\$2.70	\$3.22	\$3.91	180	\$1.78	\$2.11	\$2.53

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	57.50	
Phosphate	60	Pounds	0.42	25.20	
Potash	40	Pounds	0.31	12.40	
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	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	2.65	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%	12.58	
Total Variable		Acre		\$ 371.88	
Fixed Machinery Cost	1	Acre	46.00	46.00	
Fixed Buildings & Bins Cost	1	Acre	14.00	14.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 509.88	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
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
70	\$5.11	\$7.08	\$8.16	140	\$2.73	\$3.72	\$4.26
80	\$4.52	\$6.24	\$7.19	150	\$2.57	\$3.49	\$4.00
90	\$4.05	\$5.59	\$6.43	160	\$2.43	\$3.30	\$3.77
100	\$3.68	\$5.06	\$5.82	170	\$2.31	\$3.12	\$3.57
110	\$3.38	\$4.64	\$5.32	180	\$2.20	\$2.97	\$3.39
120	\$3.13	\$4.28	\$4.91	190	\$2.10	\$2.83	\$3.23
130	\$2.91	\$3.98	\$4.56	200	\$2.02	\$2.71	\$3.08

University of Missouri Extension Southeast Missouri Crop Budget

2019 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	0.46	0.00	
Phosphate	30	Pounds	0.42	12.60	
Potash	50	Pounds	0.31	15.50	
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	17.00	17.00	
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%	6.29	
Total Variable		Acre		\$ 185.89	
Fixed Machinery Cost	1	Acre	51.00	51.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	0	Acre	78.00	0.00	
Total (Excluding Land)		Acre		\$ 239.89	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 315.49	

* 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	\$0.306	\$0.396	\$0.522	1300	\$0.143	\$0.185	\$0.243
700	\$0.263	\$0.340	\$0.448	1400	\$0.133	\$0.172	\$0.226
800	\$0.230	\$0.298	\$0.392	1500	\$0.125	\$0.161	\$0.211
900	\$0.205	\$0.265	\$0.349	1600	\$0.117	\$0.151	\$0.198
1000	\$0.185	\$0.239	\$0.315	1700	\$0.111	\$0.142	\$0.187
1100	\$0.169	\$0.218	\$0.286	1800	\$0.105	\$0.135	\$0.177
1200	\$0.155	\$0.200	\$0.263	1900	\$0.099	\$0.128	\$0.168

University of Missouri Extension Southeast Missouri Crop Budget 2019 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	0.46	0.00	
Phosphate	40	Pounds	0.42	16.80	
Potash	65	Pounds	0.31	20.15	
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	17.00	17.00	
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%	7.88	
Total Variable		Acre		\$ 233.13	
Fixed Machinery Cost	1	Acre	51.00	51.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	78.00	78.00	
Total (Excluding Land)		Acre		\$ 365.13	
Land Real Estate Taxes	1	Acre	0.20%	5.60	
Land Interest	2800	Acre	2.50%	70.00	
Total Cost		Acre		\$ 440.73	

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
1000	\$0.231	\$0.363	\$0.438	1700	\$0.137	\$0.215	\$0.259
1100	\$0.210	\$0.330	\$0.399	1800	\$0.130	\$0.203	\$0.245
1200	\$0.193	\$0.303	\$0.366	1900	\$0.123	\$0.193	\$0.233
1300	\$0.178	\$0.280	\$0.338	2000	\$0.117	\$0.183	\$0.221
1400	\$0.166	\$0.260	\$0.314	2100	\$0.112	\$0.175	\$0.211
1500	\$0.155	\$0.243	\$0.294	2200	\$0.107	\$0.167	\$0.201
1600	\$0.146	\$0.228	\$0.275	2300	\$0.103	\$0.160	\$0.193

University of Missouri Extension

Southeast Missouri Non-Irrigation Crop Budgets 2019

Revenue	Corn GMO	Soybean			Wheat	D. C. Soybean L.L.
		Roundup Ready 2 Xtend	Liberty Link	Cotton		
Estimated Yield (Bu/Acre) ^A	165	48	48	900	70	42
Estimated Price (\$/Bushel) ^B	\$3.90	\$8.75	\$8.75	\$0.712	\$5.20	\$8.75
Estimated Gross Revenue (\$/Acre)	\$643.50	\$420.00	\$420.00	\$640.80	\$364.00	\$367.50

Total Variable Cost	\$ 451.78	\$ 269.20	\$ 258.85	\$ 498.82	\$ 251.66	\$ 247.83
Total Costs (Excluding Land)	\$ 535.78	\$ 321.20	\$ 310.85	\$ 641.82	\$ 297.66	\$ 288.83
Total Cost (Including Land or Rent)	\$ 686.98	\$ 472.40	\$ 462.05	\$ 793.02	\$ 373.26	\$ 364.43

Estimated Returns

Returns Above Variable Costs	\$191.72	\$150.80	\$161.15	\$141.98	\$112.34	\$119.67
Returns Above Mach & Buildings	\$107.72	\$98.80	\$109.15	(\$1.02)	\$66.34	\$78.67
Returns Above Total Costs	(\$43.48)	(\$52.40)	(\$42.05)	(\$152.22)	(\$9.26)	\$3.07
Breakeven Price	\$4.16	\$9.84	\$9.63	\$0.88	\$5.33	\$8.68
Breakeven Yield	176	54	53	1,114	72	42

A -

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 2019

Revenue	Corn		Soybean		Cotton	Rice Convent.	Wheat	D. C.	
	GMO	Roundup Ready 2 Xtend	Liberty Link	Liberty Link				Soybean L.L.	Soybean L.L.
Estimated Yield (Bu/Acre) ^A	220	65	65	1300	180	75	50		
Estimated Price (\$/Bushel) ^B	\$3.90	\$8.75	\$8.75	\$0.712	\$5.35	\$5.20	\$8.75		
Estimated Gross Revenue (\$/Acre)	\$858.00	\$568.75	\$568.75	\$925.60	\$963.00	\$390.00	\$437.50		
Total Variable Cost	\$ 581.18	\$ 317.49	\$ 307.14	\$ 554.86	\$ 511.03	\$ 251.66	\$ 298.29		
Total Costs (Excluding Land)	\$ 748.18	\$ 448.49	\$ 438.14	\$ 775.86	\$ 682.03	\$ 297.66	\$ 417.29		
Total Cost (Including Land or Rent)	\$ 899.38	\$ 599.69	\$ 589.34	\$ 927.06	\$ 833.23	\$ 373.26	\$ 492.89		

Estimated Returns

Returns Above Variable Costs	\$276.82	\$251.26	\$261.61	\$370.74	\$451.97	\$138.34	\$139.21
Returns Above Mach & Buildings	\$109.82	\$120.26	\$130.61	\$149.74	\$280.97	\$92.34	\$20.21
Returns Above Total Costs	(\$41.38)	(\$30.94)	(\$20.59)	(\$1.46)	\$129.77	\$16.74	(\$55.39)
Breakeven Price	\$4.09	\$9.23	\$9.07	\$0.71	\$4.63	\$4.98	\$9.86
Breakeven Yield	231	69	67	1,302	156	72	56

A -

B - Estimated Price is from the November 2017 FAPRI

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