UNIVERSITY OF MISSOURI
Extension

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

	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]	$3.90	$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

	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]	$3.90	$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