

University of Missouri Extension Southeast Missouri Crop Budget

2021 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	130.00	26.00	
Nitrogen	150	Pounds	0.32	48.00	
Phosphate	70	Pounds	0.41	28.70	
Potash	45	Pounds	0.23	10.35	
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	20.00	20.00	
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	16.00	16.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	140	Bushels	0.17	23.80	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.10	21.00	
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%	12.65	
Total Variable		Acre		\$ 374.10	
Fixed Machinery Cost	1	Acre	55.00	55.00	
Fixed Buildings & Bins Cost	1	Acre	21.00	21.00	
Fixed Irrigation Cost	1	Acre	82.00	82.00	
Total (Excluding Land)		Acre		\$ 532.10	
Land Real Estate Taxes	1	Acre	0.20%	11.60	
Land Interest	5800	Acre	2.75%	159.50	
Total Cost		Acre		\$ 703.20	

* 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	\$3.60	\$5.18	\$6.89	170	\$2.26	\$3.19	\$4.20
110	\$3.30	\$4.74	\$6.29	180	\$2.16	\$3.04	\$3.99
120	\$3.06	\$4.37	\$5.80	190	\$2.06	\$2.90	\$3.80
130	\$2.85	\$4.07	\$5.38	200	\$1.98	\$2.77	\$3.62
140	\$2.67	\$3.80	\$5.02	210	\$1.90	\$2.65	\$3.47
150	\$2.52	\$3.57	\$4.71	220	\$1.83	\$2.55	\$3.33
160	\$2.38	\$3.37	\$4.44	230	\$1.77	\$2.45	\$3.20