

University of Missouri Extension Southeast Missouri Crop Budget

2018 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	125.00	25.00	
Nitrogen	150	Pounds	0.36	54.00	
Phosphate	70	Pounds	0.34	23.80	
Potash	45	Pounds	0.28	12.60	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	18.00	18.00	
Post-Emerge	1	Acre	8.00	8.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	140	Bushels	0.18	25.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	20.00	20.00	
Machinery Repairs	1	Acre	17.00	17.00	
Hauling & Transportation*	140	Bushels	0.17	23.80	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.50	25.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.04	
Total Variable		Acre		\$ 378.94	
Fixed Machinery Cost	1	Acre	55.00	55.00	
Fixed Buildings & Bins Cost	1	Acre	19.00	19.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 538.94	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 700.94	

* Drying & Transportation Costs Change With Yields

Breakeven Price in \$/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	\$3.65	\$5.25	\$6.87	170	\$2.29	\$3.23	\$4.18
110	\$3.35	\$4.80	\$6.28	180	\$2.18	\$3.07	\$3.97
120	\$3.10	\$4.43	\$5.78	190	\$2.09	\$2.93	\$3.78
130	\$2.89	\$4.12	\$5.36	200	\$2.00	\$2.80	\$3.61
140	\$2.71	\$3.85	\$5.01	210	\$1.92	\$2.68	\$3.45
150	\$2.55	\$3.62	\$4.70	220	\$1.85	\$2.58	\$3.31
160	\$2.41	\$3.41	\$4.42	230	\$1.78	\$2.48	\$3.18