

University of Missouri Extension Southeast Missouri Crop Budget

2017 Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.16	Bags	125.00	20.00	
Nitrogen	125	Pounds	0.34	42.50	
Phosphate	60	Pounds	0.33	19.80	
Potash	40	Pounds	0.25	10.00	
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	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	110	Bushels	0.12	13.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	16.00	16.00	
Machinery Repairs	1	Acre	16.00	16.00	
Hauling & Transportation*	110	Bushels	0.16	17.60	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
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%	8.36	
Total Variable		Acre		\$ 286.96	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	17.00	17.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		\$ 353.96	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 515.96	

* 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	\$3.94	\$4.90	\$7.21	140	\$2.11	\$2.59	\$3.75
80	\$3.48	\$4.32	\$6.34	150	\$1.99	\$2.43	\$3.51
90	\$3.13	\$3.87	\$5.67	160	\$1.88	\$2.30	\$3.31
100	\$2.84	\$3.51	\$5.13	170	\$1.79	\$2.18	\$3.13
110	\$2.61	\$3.22	\$4.69	180	\$1.70	\$2.08	\$2.98
120	\$2.41	\$2.97	\$4.32	190	\$1.63	\$1.98	\$2.83
130	\$2.25	\$2.77	\$4.01	200	\$1.56	\$1.90	\$2.71