

## University of Missouri Extension Southeast Missouri Crop Budget

### 2021 Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.16	Bags	130.00	20.80	
Nitrogen	125	Pounds	0.32	40.00	
Phosphate	60	Pounds	0.41	24.60	
Potash	40	Pounds	0.23	9.20	
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*	110	Bushels	0.19	20.90	
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*	110	Bushels	0.17	18.70	
Labor	1	Acre	36.00	36.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.10	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%	10.30	
<b>Total Variable</b>		Acre		<b>\$ 304.50</b>	
Fixed Machinery Cost	1	Acre	55.00	55.00	
Fixed Buildings & Bins Cost	1	Acre	20.00	20.00	
Fixed Irrigation Cost	0	Acre	82.00	0.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 379.50</b>	
Land Real Estate Taxes	1	Acre	0.20%	11.60	
Land Interest	5800	Acre	2.75%	159.50	
<b>Total Cost</b>		Acre		<b>\$ 550.60</b>	

\* 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	\$4.14	\$5.22	\$7.66	140	\$2.25	\$2.79	\$4.01
80	\$3.67	\$4.61	\$6.75	150	\$2.13	\$2.63	\$3.77
90	\$3.30	\$4.14	\$6.04	160	\$2.02	\$2.48	\$3.55
100	\$3.01	\$3.76	\$5.47	170	\$1.92	\$2.36	\$3.37
110	\$2.77	\$3.45	\$5.01	180	\$1.83	\$2.25	\$3.20
120	\$2.57	\$3.19	\$4.62	190	\$1.75	\$2.15	\$3.05
130	\$2.40	\$2.97	\$4.29	200	\$1.68	\$2.06	\$2.91