

## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 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	0.34	51.00	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
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*	130	Bushels	0.12	15.60	
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*	130	Bushels	0.16	20.80	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.00	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
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%	10.09	
Total Variable		Acre		<b>\$ 346.34</b>	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		<b>\$ 491.34</b>	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		<b>\$ 653.34</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
100	\$3.38	\$4.83	\$6.45	170	\$2.10	\$2.96	\$3.91
110	\$3.10	\$4.42	\$5.89	180	\$2.00	\$2.81	\$3.71
120	\$2.86	\$4.07	\$5.42	190	\$1.91	\$2.67	\$3.53
130	\$2.66	\$3.78	\$5.03	200	\$1.83	\$2.55	\$3.36
140	\$2.49	\$3.53	\$4.69	210	\$1.76	\$2.45	\$3.22
150	\$2.35	\$3.31	\$4.39	220	\$1.69	\$2.35	\$3.08
160	\$2.22	\$3.12	\$4.14	230	\$1.63	\$2.26	\$2.96