

## University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irr. No-Till D. C. Grain Sorghum

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	125.00	25.00	
Nitrogen	125	Pounds	0.34	42.50	
Phosphate	60	Pounds	0.33	19.80	
Potash	40	Pounds	0.25	10.00	
Limestone	0.25	Tons	29.00	7.25	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Burn Down Herbicides	1	Acre	6.00	6.00	
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	35.00	35.00	
Drying Fuel & Electricity*	110	Bushels	0.12	13.20	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	11.00	11.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	110	Bushels	0.16	17.60	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
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%	9.37	
<b>Total Variable</b>		Acre		<b>\$ 321.72</b>	
Fixed Machinery Cost	1	Acre	41.00	41.00	
Fixed Buildings & Bins Cost	1	Acre	13.00	13.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
<b>Total (Excluding Land)</b>		Acre		<b>\$ 452.72</b>	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
<b>Total Cost</b>		Acre		<b>\$ 533.72</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	\$4.44	\$6.31	\$7.46	140	\$2.36	\$3.29	\$3.87
80	\$3.92	\$5.55	\$6.57	150	\$2.22	\$3.09	\$3.63
90	\$3.51	\$4.97	\$5.87	160	\$2.10	\$2.92	\$3.42
100	\$3.19	\$4.50	\$5.31	170	\$1.99	\$2.76	\$3.24
110	\$2.92	\$4.12	\$4.85	180	\$1.90	\$2.62	\$3.07
120	\$2.70	\$3.80	\$4.47	190	\$1.81	\$2.50	\$2.93
130	\$2.52	\$3.53	\$4.15	200	\$1.73	\$2.39	\$2.79