

University of Missouri Extension Southeast Missouri Crop Budget 2018 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	0.36	45.00	
Phosphate	60	Pounds	0.34	20.40	
Potash	40	Pounds	0.28	11.20	
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	7.00	7.00	
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	36.00	36.00	
Drying Fuel & Electricity*	110	Bushels	0.18	19.80	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	13.00	13.00	
Machinery Repairs	1	Acre	15.00	15.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Labor	1	Acre	27.00	27.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	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%	10.03	
Total Variable		Acre		\$ 344.38	
Fixed Machinery Cost	1	Acre	44.00	44.00	
Fixed Buildings & Bins Cost	1	Acre	14.00	14.00	
Fixed Irrigation Cost	1	Acre	86.00	86.00	
Total (Excluding Land)		Acre		\$ 488.38	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		\$ 569.38	

* 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	\$4.72	\$6.78	\$7.93	140	\$2.53	\$3.56	\$4.14
80	\$4.17	\$5.97	\$6.99	150	\$2.39	\$3.35	\$3.89
90	\$3.75	\$5.35	\$6.25	160	\$2.26	\$3.16	\$3.67
100	\$3.41	\$4.85	\$5.66	170	\$2.15	\$3.00	\$3.47
110	\$3.13	\$4.44	\$5.18	180	\$2.05	\$2.85	\$3.30
120	\$2.90	\$4.10	\$4.77	190	\$1.96	\$2.72	\$3.14
130	\$2.70	\$3.81	\$4.43	200	\$1.88	\$2.60	\$3.00