

University of Missouri Extension Southeast Missouri Crop Budget 2012 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	98.00	19.60	
Nitrogen	150	Pounds	0.65	97.50	
Phosphate	55	Pounds	0.75	41.25	
Potash	35	Pounds	0.55	19.25	
Limestone	0.5	Tons	28.00	14.00	
Starter Fertilizer	0	Acre	0.00	-	
Zinc	0	Pounds	0.00	-	
Sulfur	0	Pounds	0.00	-	
Boron	0	Pounds	0.00	-	
Pre-Emerge	1	Acre	28.00	28.00	
Post-Emerge	1	Acre	3.00	3.00	
Fungicide	0	Acre	0.00	-	
Insecticide	1	Acre	6.00	6.00	
Drying Fuel & Electricity*	130	Bushels	0.22	28.60	
Miscellaneous Overhead	1	Acre	10.00	10.00	
Machinery Fuel	1	Acre	26.00	26.00	
Machinery Repairs	1	Acre	13.00	13.00	
Hauling & Transportation*	130	Bushels	0.17	22.10	
Irrigation Fuel (Acre Inches)	10	Acre	3.00	30.00	
Irrigation Repairs	1	Acre	12.00	12.00	
Labor	1	Acre	36.00	36.00	
Irrigation Labor	1	Acre	3.00	3.00	
Custom Application	1	Acre	6.50	6.50	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	12.47	
Total Variable		Acre		\$ 428.27	
Fixed Machinery Cost	1	Acre	42.00	42.00	
Fixed Buildings & Bins Cost	1	Acre	16.00	16.00	
Fixed Irrigation Cost	1	Acre	72.00	72.00	
Total (Excluding Land)		Acre		\$ 558.27	
Land Real Estate Taxes	1	Acre	0.25%	8.05	
Land Interest	3220	Acre	4.00%	128.80	
Total Cost		Acre		\$ 695.12	

* 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	\$4.17	\$5.47	\$6.83	170	\$2.61	\$3.38	\$4.18
110	\$3.82	\$5.00	\$6.25	180	\$2.49	\$3.21	\$3.97
120	\$3.54	\$4.62	\$5.76	190	\$2.38	\$3.06	\$3.78
130	\$3.29	\$4.29	\$5.35	200	\$2.28	\$2.93	\$3.61
140	\$3.09	\$4.02	\$4.99	210	\$2.19	\$2.81	\$3.46
150	\$2.91	\$3.77	\$4.69	220	\$2.11	\$2.70	\$3.32
160	\$2.75	\$3.56	\$4.42	230	\$2.03	\$2.60	\$3.19