

University of Missouri Extension Southeast Missouri Crop Budget 2009 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed	0.2	Bags	90.00	18.00	
Nitrogen	150	Pounds	0.44	66.00	
Phosphate	65	Pounds	0.65	42.25	
Potash	40	Pounds	0.70	28.00	
Limestone	0.5	Tons	25.00	12.50	
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	26.00	26.00	
Post-Emerge	1	Acre	4.00	4.00	
Fungicide	0	Acre	0.00	-	
Insecticide	1	Acre	6.00	6.00	
Drying Fuel & Electricity*	130	Bushels	0.17	22.10	
Miscellaneous Overhead	1	Acre	10.00	10.00	
Machinery Fuel	1	Acre	19.00	19.00	
Machinery Repairs	1	Acre	12.00	12.00	
Hauling & Transportation*	130	Bushels	0.17	22.10	
Irrigation Fuel (Acre Inches)	10	Acre	2.50	25.00	
Irrigation Repairs	1	Acre	12.00	12.00	
Labor	1	Acre	19.00	19.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Subtotal		Acre		\$ 354.45	
Interest (1/2 year at 8.0%)	0.5	Acre	8.00%	14.18	
Total Variable		Acre		\$ 368.63	
Fixed Machinery Cost	1	Acre	40.00	40.00	
Fixed Irrigation Cost	1	Acre	66.00	70.00	
Total (Excluding Land)		Acre		\$ 478.63	
Land Real Estate Taxes	1	Acre	0.30%	8.90	
Land Interest	2966	Acre	4.00%	118.64	
Total Cost		Acre		\$ 606.17	

* 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	\$3.58	\$4.68	\$5.96	170	\$2.25	\$2.90	\$3.65
110	\$3.29	\$4.29	\$5.45	180	\$2.14	\$2.75	\$3.46
120	\$3.04	\$3.96	\$5.02	190	\$2.05	\$2.63	\$3.30
130	\$2.84	\$3.68	\$4.66	200	\$1.96	\$2.51	\$3.15
140	\$2.66	\$3.44	\$4.35	210	\$1.88	\$2.41	\$3.02
150	\$2.50	\$3.24	\$4.09	220	\$1.81	\$2.31	\$2.89
160	\$2.37	\$3.06	\$3.85	230	\$1.75	\$2.23	\$2.78