

University of Missouri Extension Southeast Missouri Crop Budget
2009 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	90.00	18.00	
Nitrogen	125	Pounds	0.44	55.00	
Phosphate	55	Pounds	0.65	35.75	
Potash	35	Pounds	0.70	24.50	
Limestone	0.25	Tons	25.00	6.25	
Starter Fertilizer	0	Acre	0.00	-	
Zinc	0	Pounds	0.00	-	
Sulfur	0	Pounds	0.00	-	
Burn Down Herbicides	1	Acre	10.00	10.00	
Pre-Emerge	1	Acre	26.00	26.00	
Post-Emerge	1	Acre	4.00	4.00	
Fungicide	0	Acre	0.00	-	
Insecticide	1	Acre	16.00	16.00	
Drying Fuel & Electricity*	110	Bushels	0.17	18.70	
Miscellaneous Overhead	1	Acre	5.00	5.00	
Machinery Fuel	1	Acre	14.00	14.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	110	Bushels	0.17	18.70	
Irrigation Fuel (Acre Inches)	8	Acre	2.50	20.00	
Irrigation Repairs	1	Acre	12.00	12.00	
Labor	1	Acre	15.00	15.00	
Irrigation Labor	1	Acre	5.00	5.00	
Custom Application	2	Acre	6.50	13.00	
Subtotal		Acre		\$ 327.90	
Interest (1/2 year at 8.0%)	0.5	Acre	8.00%	13.12	
Total Variable		Acre		\$ 341.02	
Fixed Machinery Cost	1	Acre	35.00	35.00	
Fixed Irrigation Cost	1	Acre	70.00	70.00	
Total (Excluding Land)		Acre		\$ 446.02	
Land Real Estate Taxes	1	Acre	0.30%	4.45	
Land Interest	1483	Acre	4.00%	59.32	
Total Cost		Acre		\$ 509.79	

* 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	\$4.68	\$6.18	\$7.09	140	\$2.51	\$3.26	\$3.71
80	\$4.14	\$5.45	\$6.24	150	\$2.36	\$3.06	\$3.49
90	\$3.71	\$4.88	\$5.59	160	\$2.24	\$2.89	\$3.29
100	\$3.38	\$4.43	\$5.06	170	\$2.13	\$2.74	\$3.12
110	\$3.10	\$4.05	\$4.63	180	\$2.03	\$2.61	\$2.96
120	\$2.87	\$3.75	\$4.28	190	\$1.94	\$2.49	\$2.83
130	\$2.68	\$3.48	\$3.97	200	\$1.86	\$2.38	\$2.70