

University of Missouri Extension Southeast Missouri Crop Budget 2017 Center Pivot Irrigated Popcorn Budget

Variable Cost	Number of Units	Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Treatment	10	Pounds	4.00	50.00	
Nitrogen	185	Pounds	0.34	62.90	
Phosphate	80	Pounds	0.33	26.40	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	10.00	10.00	
Post-Emerge	1	Acre	30.00	30.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	0	Bushels	0.12	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	5000	Pounds	0.0015	7.50	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	15.00	15.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.69	
Total Variable		Acre		\$ 401.49	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	3.00	3.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		\$ 537.49	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		\$ 699.49	

* Drying & Transportation Costs Change With Yields

Breakeven Price in Cents/Pound

Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Lb/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
3000	\$0.133	\$0.178	\$0.232	4750	\$0.084	\$0.113	\$0.147
3250	\$0.123	\$0.165	\$0.214	5000	\$0.080	\$0.107	\$0.140
3500	\$0.114	\$0.153	\$0.199	5250	\$0.077	\$0.102	\$0.133
3750	\$0.107	\$0.143	\$0.186	5500	\$0.073	\$0.098	\$0.127
4000	\$0.100	\$0.134	\$0.174	5750	\$0.070	\$0.094	\$0.122
4250	\$0.094	\$0.126	\$0.164	6000	\$0.067	\$0.090	\$0.117
4500	\$0.089	\$0.119	\$0.155	6250	\$0.065	\$0.086	\$0.112