

University of Missouri Extension Southeast Missouri Crop Budget

2021 Center Pivot Irrigated Popcorn Budget

Variable Cost	Number of Units	Cost \$/Unit	Total Cost/Acre	Your Cost \$/Acre
Seed + Treatment	10	Pounds 5.00	60.00	
Nitrogen	185	Pounds 0.32	59.20	
Phosphate	95	Pounds 0.41	38.95	
Potash	80	Pounds 0.23	18.40	
Limestone	0.5	Tons 30.00	15.00	
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 13.00	13.00	
Post-Emerge	1	Acre 32.00	32.00	
Fungicide	1	Acre 15.00	15.00	
Insecticide	1	Acre 17.00	17.00	
Drying Fuel & Electricity*	0	Bushels 0.18	0.00	
Miscellaneous Overhead	1	Acre 12.00	12.00	
Machinery Fuel	1	Acre 17.00	17.00	
Machinery Repairs	1	Acre 20.00	20.00	
Hauling & Transportation*	5000	Pounds 0.0015	7.50	
Labor	1	Acre 40.00	40.00	
Irrigation Fuel (Acre Inches)	12	Acre 2.65	31.80	
Irrigation Repairs	1	Acre 12.00	12.00	
Irrigation Labor	1	Acre 5.00	5.00	
Custom Application	1	Acre 6.50	6.50	
Crop Insurance	1	Acre 10.00	10.00	
Interest (1/2 year at 7.0%)	0.5	Acre 7.00%	15.06	
Total Variable		Acre	\$ 445.41	
Fixed Machinery Cost	1	Acre 63.00	63.00	
Fixed Buildings & Bins Cost	1	Acre 5.00	5.00	
Fixed Irrigation Cost	1	Acre 82.00	82.00	
Total (Excluding Land)		Acre	\$ 595.41	
Land Real Estate Taxes	1	Acre 0.20%	11.60	
Land Interest	5800	Acre 2.75%	159.50	
Total Cost		Acre	\$ 766.51	

* 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	\$0.147	\$0.197	\$0.255	4750	\$0.094	\$0.125	\$0.161
3250	\$0.136	\$0.182	\$0.235	5000	\$0.089	\$0.119	\$0.153
3500	\$0.127	\$0.169	\$0.218	5250	\$0.085	\$0.113	\$0.146
3750	\$0.118	\$0.158	\$0.204	5500	\$0.081	\$0.108	\$0.140
4000	\$0.111	\$0.148	\$0.191	5750	\$0.078	\$0.104	\$0.134
4250	\$0.105	\$0.140	\$0.180	6000	\$0.074	\$0.099	\$0.128
4500	\$0.099	\$0.132	\$0.170	6250	\$0.072	\$0.096	\$0.123