

University of Missouri Extension Southeast Missouri Crop Budget 2018 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 | 0.36 | 66.60 | |
| Phosphate | 80 | Pounds | 0.34 | 27.20 | |
| Potash | 60 | Pounds | 0.28 | 16.80 | |
| 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 | 11.00 | 11.00 | |
| Post-Emerge | 1 | Acre | 32.00 | 32.00 | |
| Fungicide | 1 | Acre | 15.00 | 15.00 | |
| Insecticide | 1 | Acre | 15.00 | 15.00 | |
| Drying Fuel & Electricity* | 0 | Bushels | 0.18 | 0.00 | |
| Miscellaneous Overhead | 1 | Acre | 12.00 | 12.00 | |
| Machinery Fuel | 1 | Acre | 21.00 | 21.00 | |
| Machinery Repairs | 1 | Acre | 19.00 | 19.00 | |
| Hauling & Transportation* | 5000 | Pounds | 0.0015 | 7.50 | |
| Labor | 1 | Acre | 38.00 | 38.00 | |
| Irrigation Fuel (Acre Inches) | 12 | Acre | 2.50 | 30.00 | |
| Irrigation Repairs | 1 | Acre | 15.00 | 15.00 | |
| 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 6.0%) | 0.5 | Acre | 6.00% | 12.36 | |
| Total Variable | | Acre | | \$ 424.46 | |
| Fixed Machinery Cost | 1 | Acre | 60.00 | 60.00 | |
| Fixed Buildings & Bins Cost | 1 | Acre | 3.00 | 3.00 | |
| Fixed Irrigation Cost | 1 | Acre | 86.00 | 86.00 | |
| Total (Excluding Land) | | Acre | | \$ 573.46 | |
| Land Real Estate Taxes | 1 | Acre | 0.20% | 12.00 | |
| Land Interest | 6000 | Acre | 2.50% | 150.00 | |
| Total Cost | | Acre | | \$ 735.46 | |

* 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 | \$0.140 | \$0.190 | \$0.244 | 4750 | \$0.089 | \$0.121 | \$0.155 |
| 3250 | \$0.130 | \$0.176 | \$0.225 | 5000 | \$0.085 | \$0.115 | \$0.147 |
| 3500 | \$0.121 | \$0.163 | \$0.209 | 5250 | \$0.081 | \$0.109 | \$0.140 |
| 3750 | \$0.113 | \$0.152 | \$0.196 | 5500 | \$0.077 | \$0.104 | \$0.134 |
| 4000 | \$0.106 | \$0.143 | \$0.183 | 5750 | \$0.074 | \$0.100 | \$0.128 |
| 4250 | \$0.100 | \$0.135 | \$0.173 | 6000 | \$0.071 | \$0.096 | \$0.123 |
| 4500 | \$0.094 | \$0.127 | \$0.163 | 6250 | \$0.068 | \$0.092 | \$0.118 |