

## University of Missouri Extension Southeast Missouri Crop Budget 2018 Center Pivot Irrigated GMO Corn Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.4250             | Bags    | 265.00          | 112.63             |                      |
| Nitrogen                      | 220                | Pounds  | 0.36            | 79.20              |                      |
| Phosphate                     | 90                 | Pounds  | 0.34            | 30.60              |                      |
| 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    | 13.00           | 13.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 21.00           | 21.00              |                      |
| Fungicide                     | 1                  | Acre    | 15.00           | 15.00              |                      |
| Insecticide                   | 0                  | Acre    | 5.00            | 0.00               |                      |
| Drying Fuel & Electricity*    | 200                | Bushels | 0.18            | 36.00              |                      |
| 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*     | 200                | Bushels | 0.17            | 34.00              |                      |
| Labor                         | 1                  | Acre    | 38.00           | 38.00              |                      |
| Irrigation Fuel (Acre Inches) | 12                 | Acre    | 2.50            | 30.00              |                      |
| Irrigation Repairs            | 1                  | Acre    | 10.00           | 10.00              |                      |
| 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%           | 15.73              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 539.95</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 60.00           | 60.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 24.00           | 24.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 86.00           | 86.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 709.95</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.20%           | 12.00              |                      |
| Land Interest                 | 6000               | Acre    | 2.50%           | 150.00             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 871.95</b>   |                      |

\* Drying & Transportation Costs Change With Yields

### Breakeven Price in \$/Bushel

| Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost | Yield<br>Bu/Acre | Variable<br>Cost | Total Cost<br>Excluding<br>Land | Total<br>Cost |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 140              | \$3.71           | \$4.92                          | \$6.08        | 210              | \$2.59           | \$3.40                          | \$4.17        |
| 150              | \$3.48           | \$4.62                          | \$5.70        | 220              | \$2.49           | \$3.26                          | \$4.00        |
| 160              | \$3.29           | \$4.35                          | \$5.36        | 230              | \$2.39           | \$3.13                          | \$3.84        |
| 170              | \$3.11           | \$4.11                          | \$5.07        | 240              | \$2.31           | \$3.02                          | \$3.69        |
| 180              | \$2.96           | \$3.91                          | \$4.81        | 250              | \$2.23           | \$2.91                          | \$3.56        |
| 190              | \$2.82           | \$3.72                          | \$4.57        | 260              | \$2.16           | \$2.81                          | \$3.43        |
| 200              | \$2.70           | \$3.55                          | \$4.36        | 270              | \$2.09           | \$2.72                          | \$3.32        |