

## University of Missouri Extension Southeast Missouri Crop Budget

### 2017 Non-GMO Corn Budget

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 0.350              | Bags    | 175.00          | 61.25              |                      |
| Nitrogen                      | 165                | Pounds  | 0.34            | 56.10              |                      |
| Phosphate                     | 70                 | Pounds  | 0.33            | 23.10              |                      |
| Potash                        | 45                 | Pounds  | 0.25            | 11.25              |                      |
| 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    | 12.00           | 12.00              |                      |
| Post-Emerge                   | 1                  | Acre    | 18.00           | 18.00              |                      |
| Fungicide                     | 1                  | Acre    | 15.00           | 15.00              |                      |
| Insecticide                   | 1                  | Acre    | 18.00           | 18.00              |                      |
| Drying Fuel & Electricity*    | 150                | Bushels | 0.12            | 18.00              |                      |
| 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*     | 150                | Bushels | 0.16            | 24.00              |                      |
| Labor                         | 1                  | Acre    | 37.00           | 37.00              |                      |
| Irrigation Fuel (Acre Inches) | 0                  | Acre    | 2.00            | 0.00               |                      |
| Irrigation Repairs            | 0                  | Acre    | 10.00           | 0.00               |                      |
| Irrigation Labor              | 0                  | Acre    | 4.00            | 0.00               |                      |
| 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%           | 11.15              |                      |
| Total Variable                |                    | Acre    |                 | <b>\$ 382.85</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 56.00           | 56.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 18.00           | 18.00              |                      |
| Fixed Irrigation Cost         | 0                  | Acre    | 77.00           | 0.00               |                      |
| Total (Excluding Land)        |                    | Acre    |                 | <b>\$ 456.85</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.20%           | 12.00              |                      |
| Land Interest                 | 6000               | Acre    | 2.50%           | 150.00             |                      |
| Total Cost                    |                    | Acre    |                 | <b>\$ 618.85</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 |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 100              | \$3.69           | \$4.43                          | \$6.05        | 170              | \$2.29           | \$2.72                          | \$3.67        |
| 110              | \$3.38           | \$4.05                          | \$5.52        | 180              | \$2.17           | \$2.58                          | \$3.48        |
| 120              | \$3.12           | \$3.74                          | \$5.09        | 190              | \$2.07           | \$2.46                          | \$3.32        |
| 130              | \$2.90           | \$3.47                          | \$4.72        | 200              | \$1.98           | \$2.35                          | \$3.16        |
| 140              | \$2.71           | \$3.24                          | \$4.40        | 210              | \$1.90           | \$2.26                          | \$3.03        |
| 150              | \$2.55           | \$3.05                          | \$4.13        | 220              | \$1.83           | \$2.17                          | \$2.90        |
| 160              | \$2.41           | \$2.87                          | \$3.89        | 230              | \$1.76           | \$2.08                          | \$2.79        |