

## University of Missouri Extension Southeast Missouri Crop Budget 2021 Center Pivot Irrigation Enlist Soybeans

| Variable Cost                 | Number of<br>Units | Units   | Cost<br>\$/Unit | Total<br>Cost/Acre | Your Cost<br>\$/Acre |
|-------------------------------|--------------------|---------|-----------------|--------------------|----------------------|
| Seed                          | 1                  | Bags    | 58.00           | 58.00              |                      |
| Nitrogen                      | 0                  | Pounds  | 0.32            | 0.00               |                      |
| Phosphate                     | 55                 | Pounds  | 0.41            | 22.55              |                      |
| Potash                        | 90                 | Pounds  | 0.28            | 25.20              |                      |
| Limestone                     | 0.5                | Tons    | 30.00           | 15.00              |                      |
| Foliar Fertilizer             | 0                  | Acres   | 0.00            | 0.00               |                      |
| Burn Down Herbicides          | 0                  | Quarts  | 0.00            | 0.00               |                      |
| Pre-Emerge                    | 1                  | Acre    | 17.00           | 17.00              |                      |
| Post-Emerge                   | 2                  | Acre    | 16.00           | 32.00              |                      |
| Fungicide                     | 1                  | Acres   | 15.00           | 15.00              |                      |
| Insecticide                   | 1                  | Acre    | 5.00            | 5.00               |                      |
| Drying Fuel & Electricity*    | 0                  | Bushels | 0.08            | 0.00               |                      |
| Miscellaneous Overhead        | 1                  | Acre    | 12.00           | 12.00              |                      |
| Machinery Fuel                | 1                  | Acre    | 9.00            | 9.00               |                      |
| Machinery Repairs             | 1                  | Acre    | 13.00           | 13.00              |                      |
| Hauling & Transportation*     | 55                 | Bushels | 0.17            | 9.35               |                      |
| Labor                         | 1                  | Acre    | 20.00           | 20.00              |                      |
| Irrigation Fuel (Acre Inches) | 8                  | Acre    | 2.10            | 16.80              |                      |
| 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%           | 10.62              |                      |
| <b>Total Variable</b>         |                    | Acre    |                 | <b>\$ 314.02</b>   |                      |
| Fixed Machinery Cost          | 1                  | Acre    | 40.00           | 40.00              |                      |
| Fixed Buildings & Bins Cost   | 1                  | Acre    | 10.00           | 10.00              |                      |
| Fixed Irrigation Cost         | 1                  | Acre    | 82.00           | 82.00              |                      |
| <b>Total (Excluding Land)</b> |                    | Acre    |                 | <b>\$ 446.02</b>   |                      |
| Land Real Estate Taxes        | 1                  | Acre    | 0.20%           | 11.60              |                      |
| Land Interest                 | 5800               | Acre    | 2.75%           | 159.50             |                      |
| <b>Total Cost</b>             |                    | Acre    |                 | <b>\$ 617.12</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 |
|------------------|------------------|---------------------------------|---------------|------------------|------------------|---------------------------------|---------------|
| 30               | \$10.33          | \$14.73                         | \$20.43       | 65               | \$4.86           | \$6.89                          | \$9.52        |
| 35               | \$8.87           | \$12.65                         | \$17.53       | 70               | \$4.52           | \$6.41                          | \$8.85        |
| 40               | \$7.79           | \$11.09                         | \$15.36       | 75               | \$4.23           | \$5.99                          | \$8.27        |
| 45               | \$6.94           | \$9.87                          | \$13.68       | 80               | \$3.98           | \$5.63                          | \$7.77        |
| 50               | \$6.26           | \$8.90                          | \$12.33       | 85               | \$3.75           | \$5.31                          | \$7.32        |
| 55               | \$5.71           | \$8.11                          | \$11.22       | 90               | \$3.56           | \$5.02                          | \$6.92        |
| 60               | \$5.25           | \$7.45                          | \$10.30       | 95               | \$3.38           | \$4.77                          | \$6.57        |