

**2022 Estimated Costs and Returns per Acre  
Seed Sorghum, Sprinkler Irrigated (NG)  
Panhandle Extension District - 1**

| Crop Acres                                     |          | 122         |                |                   |                     | Enterprise          |
|--|----------|-------------|----------------|-------------------|---------------------|---------------------|
| REVENUE  | Quantity | Units       | \$/Unit        | Total             | Total               | Total               |
| Seed Sorghum - Female Only                     | 45.00    | CWT         | \$27.01        | \$1,215.45        | \$148,284.90        | \$148,284.90        |
| <b>Total Revenue</b>                           |          |             |                | <b>\$1,215.45</b> | <b>\$148,284.90</b> | <b>\$148,284.90</b> |
| VARIABLE COSTS                                 | Quantity | Units       | \$/Unit        | Total             | Total               | Enterprise          |
| <b>Production Costs</b>                        |          |             |                |                   |                     |                     |
| <b>Herbicide</b>                               |          |             |                |                   |                     |                     |
| Herbicide and Apply Sorghum Irrig.             | 1        | Acre        | \$46.66        | \$46.66           | \$5,692.52          | \$5,692.52          |
| <b>Seed</b>                                    |          |             |                |                   |                     |                     |
| Seed - Sorghum                                 | 0        | Pound       | \$2.12         | \$0.00            | \$0.00              | \$0.00              |
| <b>Fertilizer</b>                              |          |             |                |                   |                     |                     |
| Fertilizer (N) - ANH3                          | 65       | Pound       | \$0.41         | \$26.65           | \$3,251.30          | \$3,251.30          |
| Fertilizer (P) - Liquid                        | 50       | Pound       | \$0.72         | \$36.00           | \$4,392.00          | \$4,392.00          |
| Fertilizer (N) - Liquid                        | 60       | Pound       | \$0.69         | \$41.40           | \$5,050.80          | \$5,050.80          |
| <b>Custom</b>                                  |          |             |                |                   |                     |                     |
| Fertilizer Application - ANH3                  | 1        | Acre        | \$17.59        | \$17.59           | \$2,145.98          | \$2,145.98          |
| Harvest and Haul - Sorghum                     | 45       | CWT         | \$1.05         | \$47.25           | \$5,764.50          | \$5,764.50          |
| <b>Miscellaneous</b>                           |          |             |                |                   |                     |                     |
| Crop Insurance Sorghum - Irrigated             | 1        | Acre        | \$32.40        | \$32.40           | \$3,952.80          | \$3,952.80          |
| <b>Insecticide</b>                             |          |             |                |                   |                     |                     |
| Insecticide Head Worm                          | 0.67     | Application | \$21.16        | \$14.18           | \$1,729.62          | \$1,729.62          |
| Insecticide Sugar Cane Aphid                   | 1        | Application | \$45.36        | \$45.36           | \$5,533.92          | \$5,533.92          |
| <b>Irrigation</b>                              |          |             |                |                   |                     |                     |
| Energy Cost                                    | 16.00    | AcreInch    | \$3.91         | \$62.56           | \$7,632.32          | \$7,632.32          |
| Irrigation Labor                               | 1.02     | Hour        | \$16.38        | \$16.77           | \$2,046.32          | \$2,046.32          |
| <b>Machinery Labor</b>                         |          |             |                |                   |                     |                     |
| Tractors/Self-Propelled                        | 0.16     | Hour        | \$16.12        | \$2.58            | \$314.58            | \$314.58            |
| Other Labor                                    | 0.19     | Hour        | \$16.12        | \$3.06            | \$373.57            | \$373.57            |
| <b>Diesel Fuel</b>                             |          |             |                |                   |                     |                     |
| Tractors/Self-Propelled                        | 1.09     | Gallon      | \$2.67         | \$2.91            | \$355.06            | \$355.06            |
| <b>Gasoline</b>                                |          |             |                |                   |                     |                     |
| Pickup/General Use Equipment                   | 1        | Acre        | \$5.12         | \$5.12            | \$625.00            | \$625.00            |
| <b>Repairs &amp; Maintenance</b>               |          |             |                |                   |                     |                     |
| Pickup/General Use Equipment                   | 1        | Acre        | \$2.51         | \$2.51            | \$306.00            | \$306.00            |
| Irrigation Equipment                           | 1        | Acre        | \$60.00        | \$60.00           | \$7,320.00          | \$7,320.00          |
| Tractors/Self-Propelled                        | 1        | Acre        | \$2.55         | \$2.55            | \$311.52            | \$311.52            |
| Implements                                     | 1        | Acre        | \$6.25         | \$6.25            | \$762.61            | \$762.61            |
| Interest on Credit Line                        |          |             | 6.30%          | \$10.00           | \$1,219.95          | \$1,219.95          |
| <b>Total Variable Costs</b>                    |          |             |                | <b>\$481.81</b>   | <b>\$58,780.36</b>  | <b>\$58,780.36</b>  |
| <b>Planned Returns Above Variable Costs:</b>   |          |             |                | <b>\$733.64</b>   | <b>\$89,504.54</b>  | <b>\$89,504.54</b>  |
| <b>Breakeven Price to Cover Variable Costs</b> |          |             | <b>\$10.71</b> | <b>CWT</b>        |                     |                     |
| FIXED COSTS                                    | Quantity | Units       | \$/Unit        | Total             | Total               | Enterprise          |
| <b>Machinery Depreciation</b>                  |          |             |                |                   |                     |                     |
| Pickup/General Use Equipment                   | 1        | Acre        | \$2.63         | \$2.63            | \$321.30            | \$321.30            |
| Irrigation Equipment                           | 1        | Acre        | \$40.42        | \$40.42           | \$4,931.25          | \$4,931.25          |
| Tractors/Self-Propelled                        | 1        | Acre        | \$2.60         | \$2.60            | \$316.78            | \$316.78            |
| Implements                                     | 1        | Acre        | \$7.72         | \$7.72            | \$941.49            | \$941.49            |
| <b>Equipment Investment</b>                    |          |             |                |                   |                     |                     |
| Pickup/General Use Equipment                   | \$18.18  | Dollars     | 6.30%          | \$1.15            | \$139.77            | \$139.77            |
| Irrigation Equipment                           | \$521.00 | Dollars     | 6.30%          | \$32.82           | \$4,004.44          | \$4,004.44          |
| Tractors/Self-Propelled                        | \$20.23  | Dollars     | 6.30%          | \$1.27            | \$155.47            | \$155.47            |
| Implements                                     | \$33.01  | Dollars     | 6.30%          | \$2.08            | \$253.73            | \$253.73            |
| Cash Rent - Sorghum f                          | 1        | Acre        | \$79.00        | \$79.00           | \$9,638.00          | \$9,638.00          |
| <b>Total Fixed Costs</b>                       |          |             |                | <b>\$169.69</b>   | <b>\$20,702.23</b>  | <b>\$20,702.23</b>  |
| <b>Total Specified Costs</b>                   |          |             |                | <b>\$651.50</b>   | <b>\$79,482.59</b>  | <b>\$79,482.59</b>  |
| <b>Returns Above Specified Costs</b>           |          |             |                | <b>\$563.95</b>   | <b>\$68,802.31</b>  | <b>\$68,802.31</b>  |
| <b>Breakeven Price to Cover Total Costs</b>    |          |             | <b>\$14.48</b> | <b>CWT</b>        |                     |                     |

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**Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.**