

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 Estimated Costs and Returns per Acre**  
**Oilseed Sunflowers, Sprinkler Irrigated, Strip Tillage**  
**Panhandle Extension District - 1**

| Crop Acres                              |  | 122      |          |         |            |                  |
|---|--|----------|----------|---------|------------|------------------|
|   |  | Quantity | Units    | \$/Unit | Total      | Enterprise Total |
| <b>REVENUE</b>                          |  |          |          |         |            |                  |
| Oilseed Sunflowers                      |  | 20.00    | CWT      | \$16.80 | \$336.00   | \$40,992.00      |
| Total Revenue                           |  |          |          |         | \$336.00   | \$40,992.00      |
| <b>VARIABLE COSTS</b>                   |  |          |          |         |            |                  |
| <b>Production Costs</b>                 |  | Quantity | Units    | \$/Unit | Total      | Enterprise Total |
| Herbicide                               |  |          |          |         |            |                  |
| Glyphosphate                            |  | 3        | Acre     | \$4.63  | \$13.89    | \$1,694.58       |
| 2-4D                                    |  | 1        | Acre     | \$2.47  | \$2.47     | \$301.34         |
| Prowel H2O                              |  | 1        | Acre     | \$13.69 | \$13.69    | \$1,670.18       |
| Seed                                    |  |          |          |         |            |                  |
| Seed - Oilseed Sunflower                |  | 1        | Acre     | \$31.41 | \$31.41    | \$3,832.02       |
| Fertilizer                              |  |          |          |         |            |                  |
| Fertilizer (N) - Liquid                 |  | 70       | Pound    | \$0.47  | \$32.90    | \$4,013.80       |
| Fertilizer (P) - Liquid                 |  | 25       | Pound    | \$0.54  | \$13.50    | \$1,647.00       |
| Custom                                  |  |          |          |         |            |                  |
| Herbicide Application                   |  | 3        | Acre     | \$5.12  | \$15.36    | \$1,873.92       |
| Pesticide Application                   |  | 1        | Acre     | \$5.12  | \$5.12     | \$624.64         |
| Custom Harvest - Sorghum Dryland        |  | 1        | Acre     | \$25.61 | \$25.61    | \$3,124.42       |
| Custom Haul - Sunflowers                |  | 20       | CWT      | \$0.46  | \$9.20     | \$1,122.40       |
| Miscellaneous                           |  |          |          |         |            |                  |
| Crop Insurance Sunflowers - Irrigated   |  | 1        | Acre     | \$21.00 | \$21.00    | \$2,562.00       |
| Insecticide                             |  |          |          |         |            |                  |
| Ammo                                    |  | 1        | Acre     | \$3.39  | \$3.39     | \$413.58         |
| Seed Insecticide - Sunflower Irrigated  |  | 1        | Acre     | \$4.66  | \$4.66     | \$568.52         |
| Irrigation                              |  |          |          |         |            |                  |
| Energy Cost                             |  | 7.00     | AcreInch | \$3.40  | \$23.80    | \$2,903.60       |
| Irrigation Labor                        |  | 0.45     | Hour     | \$13.24 | \$5.93     | \$723.65         |
| Machinery Labor                         |  |          |          |         |            |                  |
| Tractors/Self-Propelled                 |  | 0.21     | Hour     | \$13.03 | \$2.74     | \$333.83         |
| Other Labor                             |  | 0.25     | Hour     | \$13.03 | \$3.26     | \$397.42         |
| Diesel Fuel                             |  |          |          |         |            |                  |
| Tractors/Self-Propelled                 |  | 1.57     | Gallon   | \$2.33  | \$3.66     | \$446.29         |
| Gasoline                                |  |          |          |         |            |                  |
| Pickup/General Use Equipment            |  | 1        | Acre     | \$10.59 | \$10.59    | \$1,292.50       |
| Repairs & Maintenance                   |  |          |          |         |            |                  |
| Pickup/General Use Equipment            |  | 1        | Acre     | \$5.52  | \$5.52     | \$673.20         |
| Irrigation Equipment                    |  | 1        | Acre     | \$26.25 | \$26.25    | \$3,202.50       |
| Tractors/Self-Propelled                 |  | 1        | Acre     | \$3.28  | \$3.28     | \$400.33         |
| Implements                              |  | 1        | Acre     | \$7.72  | \$7.72     | \$941.36         |
| Interest on Credit Line                 |  |          |          | 6.04%   | \$7.44     | \$907.58         |
| Total Variable Costs                    |  |          |          |         | \$292.38   | \$35,670.65      |
| Planned Returns Above Variable Costs:   |  |          |          |         | \$43.62    | \$5,321.35       |
| Breakeven Price to Cover Variable Costs |  |          |          | \$14.62 | CWT        |                  |
| <b>FIXED COSTS</b>                      |  |          |          |         |            |                  |
| <b>Machinery Depreciation</b>           |  | Quantity | Units    | \$/Unit | Total      | Enterprise Total |
| Pickup/General Use Equipment            |  | 1        | Acre     | \$5.79  | \$5.79     | \$706.86         |
| Irrigation Equipment                    |  | 1        | Acre     | \$28.80 | \$28.80    | \$3,513.75       |
| Tractors/Self-Propelled                 |  | 1        | Acre     | \$3.39  | \$3.39     | \$413.68         |
| Implements                              |  | 1        | Acre     | \$9.92  | \$9.92     | \$1,210.32       |
| Equipment Investment                    |  |          |          |         |            |                  |
| Pickup/General Use Equipment            |  | \$40.01  | Dollars  | 6.32%   | \$2.53     | \$308.46         |
| Irrigation Equipment                    |  | \$435.80 | Dollars  | 6.32%   | \$27.54    | \$3,360.19       |
| Tractors/Self-Propelled                 |  | \$26.42  | Dollars  | 6.32%   | \$1.67     | \$203.67         |
| Implements                              |  | \$42.44  | Dollars  | 6.32%   | \$2.68     | \$327.22         |
| Cash Rent - Sunflowers Irrigated        |  | 1        | Acre     | \$72.00 | \$72.00    | \$8,784.00       |
| Total Fixed Costs                       |  |          |          |         | \$154.33   | \$18,828.14      |
| Total Specified Costs                   |  |          |          |         | \$446.71   | \$54,498.80      |
| Returns Above Specified Costs           |  |          |          |         | (\$110.71) | (\$13,506.80)    |
| Breakeven Price to Cover Total Costs    |  |          |          | \$22.34 | CWT        |                  |

| Example Breakeven Prices |                   |                         |                      |
|--------------------------|-------------------|-------------------------|----------------------|
| Example Yield Percent    | Example Yield CWT | To Cover Variable Costs | To Cover Total Costs |
| 75%                      | 15.00             | \$19.49                 | \$29.78              |
| 90%                      | 18.00             | \$16.24                 | \$24.82              |
| 100%                     | 20.00             | \$14.62                 | \$22.34              |
| 110%                     | 22.00             | \$13.29                 | \$20.31              |
| 125%                     | 25.00             | \$11.70                 | \$17.87              |

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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.**