

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 Estimated Costs and Returns per Acre**  
**Irrigated Corn**  
**Southwest Extension District - 10**

| Crop Acres                                  |          | 122      |               |                   |                      |
|---|----------|----------|---------------|-------------------|----------------------|
| REVENUE                                     | Quantity | Units    | \$/Unit       | Total             | Enterprise Total     |
| Corn  | 140.00   | Bushel   | \$3.88        | \$543.20          | \$66,270.40          |
| <b>Total Revenue</b>                        |          |          |               | <b>\$543.20</b>   | <b>\$66,270.40</b>   |
| VARIABLE COSTS                              | Quantity | Units    | \$/Unit       | Total             | Enterprise Total     |
| <b>Production Costs</b>                     |          |          |               |                   |                      |
| Custom                                      |          |          |               |                   |                      |
| Haul Corn                                   | 140      | Bushel   | \$0.16        | \$22.40           | \$2,732.80           |
| Fertilizer                                  |          |          |               |                   |                      |
| UAN(32% N)                                  | 2.75     | CWT      | \$13.00       | \$35.75           | \$4,361.50           |
| Fertilizer 18-46-0                          | 174      | Pound    | \$0.29        | \$50.46           | \$6,156.12           |
| Herbicide                                   |          |          |               |                   |                      |
| Glyphosate                                  | 4.4      | Pint     | \$2.25        | \$9.90            | \$1,207.80           |
| Insecticide                                 |          |          |               |                   |                      |
| Oberon 2 SC                                 | 2        | Ounce    | \$2.70        | \$5.40            | \$658.80             |
| Miscellaneous                               |          |          |               |                   |                      |
| Crop Insurance - Corn Irrigated             | 1        | Acre     | \$43.00       | \$43.00           | \$5,246.00           |
| Miscellaneous Corn Overhead                 | 1        | Acre     | \$4.00        | \$4.00            | \$488.00             |
| Seed  |          |          |               |                   |                      |
| Corn Seed BtRR                              | 30       | Thousand | \$4.23        | \$126.90          | \$15,481.80          |
| Irrigation                                  |          |          |               |                   |                      |
| Energy Cost                                 | 1650.00  | kWh      | \$0.17        | \$280.50          | \$34,221.00          |
| Irrigation Labor                            | 0.20     | Hour     | \$11.00       | \$2.20            | \$268.40             |
| Machinery Labor                             |          |          |               |                   |                      |
| Tractors/Self-Propelled                     | 0.91     | Hour     | \$12.00       | \$10.92           | \$1,332.24           |
| Other Labor                                 | 0.05     | Hour     | \$8.50        | \$0.43            | \$51.85              |
| Diesel Fuel                                 |          |          |               |                   |                      |
| Tractors/Self-Propelled                     | 8.45     | Gallon   | \$2.99        | \$25.27           | \$3,082.39           |
| Gasoline                                    |          |          |               |                   |                      |
| Pickup/General Use Equipment                | 1        | Acre     | \$27.97       | \$27.97           | \$3,412.06           |
| Repairs & Maintenance                       |          |          |               |                   |                      |
| Pickup/General Use Equipment                | 1        | Acre     | \$4.84        | \$4.84            | \$590.37             |
| Irrigation Equipment                        | 1        | Acre     | \$15.55       | \$15.55           | \$1,897.45           |
| Tractors/Self-Propelled                     | 1        | Acre     | \$27.34       | \$27.34           | \$3,335.17           |
| Implements                                  | 1        | Acre     | \$16.42       | \$16.42           | \$2,002.97           |
| Interest on Credit Line                     |          |          | 6.50%         | \$26.73           | \$3,261.56           |
| <b>Total Variable Costs</b>                 |          |          |               | <b>\$735.97</b>   | <b>\$89,788.29</b>   |
| Planned Returns Above Variable Costs:       |          |          |               | <b>(\$192.77)</b> | <b>(\$23,517.89)</b> |
| Breakeven Price to Cover Variable Costs     |          |          | \$5.26        | Bushel            |                      |
| FIXED COSTS                                 | Quantity | Units    | \$/Unit       | Total             | Enterprise Total     |
| Machinery Depreciation                      |          |          |               |                   |                      |
| Pickup/General Use Equipment                | 1        | Acre     | \$25.20       | \$25.20           | \$3,074.85           |
| Irrigation Equipment                        | 1        | Acre     | \$80.58       | \$80.58           | \$9,831.25           |
| Tractors/Self-Propelled                     | 1        | Acre     | \$28.22       | \$28.22           | \$3,442.28           |
| Implements                                  | 1        | Acre     | \$19.41       | \$19.41           | \$2,368.10           |
| Equipment Investment                        |          |          |               |                   |                      |
| Pickup/General Use Equipment                | \$105.02 | Dollars  | 6.50%         | \$6.83            | \$832.77             |
| Irrigation Equipment                        | \$646.00 | Dollars  | 6.50%         | \$41.99           | \$5,122.81           |
| Tractors/Self-Propelled                     | \$215.04 | Dollars  | 6.50%         | \$13.98           | \$1,705.27           |
| Implements                                  | \$92.09  | Dollars  | 6.50%         | \$5.99            | \$730.24             |
| Irrigated Winter Garden Rent                | 1        | Acre     | \$50.00       | \$50.00           | \$6,100.00           |
| <b>Total Fixed Costs</b>                    |          |          |               | <b>\$272.19</b>   | <b>\$33,207.58</b>   |
| <b>Total Specified Costs</b>                |          |          |               | <b>\$1,008.16</b> | <b>\$122,995.86</b>  |
| Returns Above Specified Costs               |          |          |               | <b>(\$464.96)</b> | <b>(\$56,725.46)</b> |
| <b>Breakeven Price to Cover Total Costs</b> |          |          | <b>\$7.20</b> | Bushel            |                      |

| Example Breakeven Prices |                      |                         |                      |  |
|--------------------------|----------------------|-------------------------|----------------------|--|
| Example Yield Percent    | Example Yield Bushel | To Cover Variable Costs | To Cover Total Costs |  |
| 75%                      | 105.00               | \$7.01                  | \$9.60               |  |
| 90%                      | 126.00               | \$5.84                  | \$8.00               |  |
| 100%                     | 140.00               | \$5.26                  | \$7.20               |  |
| 110%                     | 154.00               | \$4.78                  | \$6.55               |  |
| 125%                     | 175.00               | \$4.21                  | \$5.76               |  |

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

**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.**