

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Soybeans, Roundup Ready, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

| Crop Acres | | 122 | | | | |
|---|--------------------------------|----------|----------|---------|-----------|------------------|
| REVENUE | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Soybeans | | 60.00 | Bushel | \$8.20 | \$492.00 | \$60,024.00 |
| Total Revenue | | | | | \$492.00 | \$60,024.00 |
| VARIABLE COSTS | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Production Costs | | | | | | |
| Seed | | | | | | |
| | Seed - Soybeans | 1 | Bag | \$69.12 | \$69.12 | \$8,432.84 |
| | Innoculant Soybeans | 1 | Acre | \$7.67 | \$7.67 | \$935.32 |
| Fertilizer | | | | | | |
| | Fertilizer (P) - Liquid | 50 | Pound | \$0.48 | \$23.88 | \$2,913.31 |
| Custom | | | | | | |
| | Harvest and Haul - Soybeans | 60 | Bushel | \$0.71 | \$42.64 | \$5,201.66 |
| Herbicide | | | | | | |
| | Herbicide and Apply Soybeans | 2 | Acre | \$13.11 | \$26.22 | \$3,198.89 |
| Insecticide | | | | | | |
| | Insecticide and Apply Soybeans | 0.5 | Acre | \$9.72 | \$4.86 | \$593.18 |
| Miscellaneous | | | | | | |
| | Crop Insurance Soybeans | 1 | Acre | \$37.00 | \$37.00 | \$4,514.00 |
| Irrigation | | | | | | |
| | Energy Cost | 14.00 | AcreInch | \$3.96 | \$55.44 | \$6,763.68 |
| | Irrigation Labor | 0.90 | Hour | \$13.65 | \$12.23 | \$1,492.11 |
| Machinery Labor | | | | | | |
| | Tractors/Self-Propelled | 0.34 | Hour | \$13.43 | \$4.57 | \$557.08 |
| | Other Labor | 0.38 | Hour | \$13.43 | \$5.10 | \$622.61 |
| Diesel Fuel | | | | | | |
| | Tractors/Self-Propelled | 2 | Gallon | \$2.33 | \$4.66 | \$568.52 |
| Gasoline | | | | | | |
| | Pickup/General Use Equipment | 1 | Acre | \$4.82 | \$4.82 | \$587.50 |
| Repairs & Maintenance | | | | | | |
| | Pickup/General Use Equipment | 1 | Acre | \$2.51 | \$2.51 | \$306.00 |
| | Irrigation Equipment | 1 | Acre | \$52.50 | \$52.50 | \$6,405.00 |
| | Tractors/Self-Propelled | 1 | Acre | \$3.84 | \$3.84 | \$468.86 |
| | Implements | 1 | Acre | \$14.64 | \$14.64 | \$1,786.27 |
| | Interest on Credit Line | | | 6.25% | \$8.01 | \$977.22 |
| Total Variable Costs | | | | | \$379.71 | \$46,324.05 |
| Planned Returns Above Variable Costs: | | | | | \$112.29 | \$13,699.95 |
| Breakeven Price to Cover Variable Costs | | | | \$6.33 | Bushel | |
| FIXED COSTS | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Machinery Depreciation | | | | | | |
| | Pickup/General Use Equipment | 1 | Acre | \$2.63 | \$2.63 | \$321.30 |
| | Irrigation Equipment | 1 | Acre | \$40.42 | \$40.42 | \$4,931.25 |
| | Tractors/Self-Propelled | 1 | Acre | \$3.77 | \$3.77 | \$459.35 |
| | Implements | 1 | Acre | \$18.70 | \$18.70 | \$2,281.23 |
| Equipment Investment | | | | | | |
| | Pickup/General Use Equipment | \$18.18 | Dollars | 6.25% | \$1.14 | \$138.66 |
| | Irrigation Equipment | \$521.00 | Dollars | 6.25% | \$32.56 | \$3,972.66 |
| | Tractors/Self-Propelled | \$29.33 | Dollars | 6.25% | \$1.83 | \$223.65 |
| | Implements | \$79.99 | Dollars | 6.25% | \$5.00 | \$609.91 |
| | Cash Rent - Soybeans | 1 | Acre | \$76.00 | \$76.00 | \$9,272.00 |
| Total Fixed Costs | | | | | \$182.05 | \$22,210.01 |
| Total Specified Costs | | | | | \$561.75 | \$68,534.05 |
| Returns Above Specified Costs | | | | | (\$69.75) | (\$8,510.05) |
| Breakeven Price to Cover Total Costs | | | | \$9.36 | Bushel | |

| Example Breakeven Prices | | | |
|--------------------------|----------------------|-------------------------|----------------------|
| Example Yield Percent | Example Yield Bushel | To Cover Variable Costs | To Cover Total Costs |
| 75% | 45.00 | \$8.44 | \$12.48 |
| 90% | 54.00 | \$7.03 | \$10.40 |
| 100% | 60.00 | \$6.33 | \$9.36 |
| 110% | 66.00 | \$5.75 | \$8.51 |
| 125% | 75.00 | \$5.06 | \$7.49 |

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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.