

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2019 Estimated Costs and Returns per Acre
Alfalfa Establishment, Sprinkler Irrigated (NG), Fall Seeding Only
Panhandle Extension District - 1

| Crop Acres | | 122 | | | |
|---|----------|----------|----------|------------|------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Total Revenue | | | | \$0.00 | \$0.00 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Production Costs | | | | | |
| Custom | | | | | |
| Fertilizer Application | 1 | Acre | \$5.12 | \$5.12 | \$624.64 |
| Fertilizer | | | | | |
| Fertilizer (P) - Dry | 80 | Pound | \$0.49 | \$39.20 | \$4,782.40 |
| Herbicide | | | | | |
| Herbicide and Application Alfalfa | 1 | Acre | \$22.85 | \$22.85 | \$2,787.70 |
| Seed | | | | | |
| Seed - Alfalfa | 18 | Pound | \$5.76 | \$103.68 | \$12,648.96 |
| Irrigation | | | | | |
| Energy Cost | 6.00 | AcreInch | \$3.40 | \$20.40 | \$2,488.80 |
| Irrigation Labor | 0.38 | Hour | \$13.24 | \$5.08 | \$620.27 |
| Machinery Labor | | | | | |
| Tractors/Self-Propelled | 0.64 | Hour | \$13.03 | \$8.34 | \$1,017.38 |
| Other Labor | 0.73 | Hour | \$13.03 | \$9.51 | \$1,160.45 |
| Diesel Fuel | | | | | |
| Tractors/Self-Propelled | 2.96 | Gallon | \$2.33 | \$6.90 | \$841.41 |
| 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 | \$22.50 | \$22.50 | \$2,745.00 |
| Tractors/Self-Propelled | 1 | Acre | \$4.45 | \$4.45 | \$542.95 |
| Implements | 1 | Acre | \$14.26 | \$14.26 | \$1,739.57 |
| Interest on Credit Line | | | 6.04% | \$5.74 | \$700.78 |
| Total Variable Costs | | | | \$275.36 | \$33,593.82 |
| Planned Returns Above Variable Costs: | | | | (\$275.36) | (\$33,593.82) |
| Breakeven Price to Cover Variable Costs | | | n/a | | |
| 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 | \$11.83 | \$11.83 | \$1,443.75 |
| Tractors/Self-Propelled | 1 | Acre | \$4.34 | \$4.34 | \$528.95 |
| Implements | 1 | Acre | \$17.45 | \$17.45 | \$2,128.49 |
| Equipment Investment | | | | | |
| Pickup/General Use Equipment | \$18.18 | Dollars | 6.32% | \$1.15 | \$140.21 |
| Irrigation Equipment | \$142.93 | Dollars | 6.32% | \$9.03 | \$1,102.05 |
| Tractors/Self-Propelled | \$33.78 | Dollars | 6.32% | \$2.13 | \$260.43 |
| Implements | \$74.63 | Dollars | 6.32% | \$4.72 | \$575.45 |
| Cash Rent - Alfalfa | 1 | Acre | \$120.00 | \$120.00 | \$14,640.00 |
| Total Fixed Costs | | | | \$173.28 | \$21,140.62 |
| Total Specified Costs | | | | \$448.64 | \$54,734.43 |
| Returns Above Specified Costs | | | | (\$448.64) | (\$54,734.43) |
| Breakeven Price to Cover Total Costs | | | n/a | | |

| Example Breakeven Prices | | | |
|--------------------------|---------------|-------------------------|----------------------|
| Example Yield Percent | Example Yield | To Cover Variable Costs | To Cover Total Costs |
| 75% | 0.00 | \$0.00 | \$0.00 |
| 90% | 0.00 | \$0.00 | \$0.00 |
| 100% | 0.00 | \$0.00 | \$0.00 |
| 110% | 0.00 | \$0.00 | \$0.00 |
| 125% | 0.00 | \$0.00 | \$0.00 |

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.