

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 Estimated Costs and Returns per Acre**  
**Alfalfa Establishment, Center Pivot Irrigated**  
**Far West Extension District - 6**

| Crop Acres                              |          | 122     |         |            |                  |
|---|----------|---------|---------|------------|------------------|
| REVENUE                                 | Quantity | Units   | \$/Unit | Total      | Enterprise Total |
| Total Revenue                           |          |         |         | \$0.00     | \$0.00           |
| VARIABLE COSTS                          | Quantity | Units   | \$/Unit | Total      | Enterprise Total |
| <b>Production Costs</b>                 |          |         |         |            |                  |
| Fertilizer                              |          |         |         |            |                  |
| Fertilizer 11-52-0                      | 38       | Pound   | \$0.25  | \$9.50     | \$1,159.00       |
| Custom                                  |          |         |         |            |                  |
| Custom Apply Fertilizer                 | 1        | Acre    | \$4.00  | \$4.00     | \$488.00         |
| Seed                                    |          |         |         |            |                  |
| Alfalfa Seed Inoculated RR              | 32       | Pound   | \$7.00  | \$224.00   | \$27,328.00      |
| Herbicide                               |          |         |         |            |                  |
| Glyphosate                              | 2        | Pint    | \$2.25  | \$4.50     | \$549.00         |
| Irrigation                              |          |         |         |            |                  |
| Energy Cost                             | 3.04     | Mcf     | \$4.00  | \$12.16    | \$1,483.52       |
| Irrigation Labor                        | 0.02     | Hour    | \$11.00 | \$0.19     | \$23.62          |
| Machinery Labor                         |          |         |         |            |                  |
| Tractors/Self-Propelled                 | 0.4      | Hour    | \$12.00 | \$4.80     | \$585.60         |
| Diesel Fuel                             |          |         |         |            |                  |
| Tractors/Self-Propelled                 | 3.91     | Gallon  | \$2.14  | \$8.37     | \$1,020.82       |
| Gasoline                                |          |         |         |            |                  |
| Pickup/General Use Equipment            | 1        | Acre    | \$3.84  | \$3.84     | \$468.92         |
| Repairs & Maintenance                   |          |         |         |            |                  |
| Pickup/General Use Equipment            | 1        | Acre    | \$0.80  | \$0.80     | \$98.10          |
| Irrigation Equipment                    | 1        | Acre    | \$8.01  | \$8.01     | \$977.38         |
| Tractors/Self-Propelled                 | 1        | Acre    | \$8.92  | \$8.92     | \$1,088.42       |
| Implements                              | 1        | Acre    | \$10.86 | \$10.86    | \$1,325.28       |
| Interest on Credit Line                 |          |         | 6.50%   | \$6.67     | \$814.33         |
| Total Variable Costs                    |          |         |         | \$306.64   | \$37,410.00      |
| Planned Returns Above Variable Costs:   |          |         |         | (\$306.64) | (\$37,410.00)    |
| Breakeven Price to Cover Variable Costs |          |         | n/a     |            |                  |
| FIXED COSTS                             | Quantity | Units   | \$/Unit | Total      | Enterprise Total |
| <b>Machinery Depreciation</b>           |          |         |         |            |                  |
| Pickup/General Use Equipment            | 1        | Acre    | \$3.02  | \$3.02     | \$367.88         |
| Irrigation Equipment                    | 1        | Acre    | \$45.01 | \$45.01    | \$5,491.76       |
| Tractors/Self-Propelled                 | 1        | Acre    | \$10.06 | \$10.06    | \$1,227.15       |
| Implements                              | 1        | Acre    | \$13.61 | \$13.61    | \$1,660.63       |
| <b>Equipment Investment</b>             |          |         |         |            |                  |
| Pickup/General Use Equipment            | \$12.56  | Dollars | 6.50%   | \$0.82     | \$99.63          |
| Irrigation Equipment                    | \$337.61 | Dollars | 6.50%   | \$21.94    | \$2,677.23       |
| Tractors/Self-Propelled                 | \$77.97  | Dollars | 6.50%   | \$5.07     | \$618.30         |
| Implements                              | \$58.23  | Dollars | 6.50%   | \$3.78     | \$461.75         |
| Total Fixed Costs                       |          |         |         | \$103.31   | \$12,604.33      |
| Total Specified Costs                   |          |         |         | \$409.95   | \$50,014.32      |
| Returns Above Specified Costs           |          |         |         | (\$409.95) | (\$50,014.32)    |
| 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               |

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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.**