### 2015 Estimated Costs and Returns per Acre

**Alfalfa, Full Season, Baled - 7.5 Ton Goal, Center Pivot Irrigated, Dell City**

**Far West Extension District - 6**

<table>
<thead>
<tr>
<th>Crop Acres</th>
<th>122</th>
</tr>
</thead>
</table>

#### REVENUE

<table>
<thead>
<tr>
<th>Enterprise</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>$1,822.50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$222,345.00</td>
</tr>
</tbody>
</table>

#### VARIABLE COSTS

<table>
<thead>
<tr>
<th>Enterprise</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Revenue</strong></td>
<td>$1,822.50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$222,345.00</td>
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</tbody>
</table>

**Production Costs**

- **Custom**
  - Soil Test: 0.5 Each $5.00 $2.50 $305.00
  - Custom Apply Fertilizer: 1 Acre $4.00 $4.00 $480.00

- **Fertilizer**
  - Fertilizer 11-52-0: 73 Pound $0.34 $24.82 $3,028.04

- **Herbicide**
  - Trifluralin: 2 Pint $3.13 $6.26 $763.72
  - Pursuit: 5 Pint $2.65 $13.25 $1,616.50
  - Crop Oil Concentrate: 5 Pint $2.03 $10.15 $1,238.30

- **Insecticide**
  - Warrior Z: 7.04 Pint $1.36 $9.57 $1,168.09
  - Intrepid: 2.31 Pint $1.67 $3.86 $470.64

**Irrigation**

- **Energy Cost**
  - 25.71 Mcf $4.00 $102.84 $12,546.48

**Machinery Labor**

- **Tractors/Self-Propelled**
  - 2.48 Hour $12.00 $29.76 $3,630.72

**Diesel Fuel**

- **Tractors/Self-Propelled**
  - 13.49 Gallon $7.04 $96.90 $1,158.04

**Gasoline**

- **Pickup/General Use Equipment**
  - 1 Acre $7.04 $7.04 $859.36

**Repairs & Maintenance**

- **Pickup/General Use Equipment**
  - 1 Acre $1.61 $1.61 $196.20

**Irrigation Equipment**

- **Tractors/Self-Propelled**
  - 1 Acre $26.25 $26.25 $3,202.59

**Implements**

- **Pickup/General Use Equipment**
  - 1 Acre $5.45 $5.45 $664.74

**Equipment Investment**

- **Pickup/General Use Equipment**
  - $40.20 Dollars 6.50% $2.61 $318.83

- **Irrigation Equipment**
  - $859.87 Dollars 6.50% $55.89 $6,818.78

- **Tractors/Self-Propelled**
  - $282.65 Dollars 6.50% $18.37 $2,241.41

- **Implements**
  - $64.99 Dollars 6.50% $4.22 $515.36

**Allocated Establishment Cost**

- **Trans Pecos Irrigated Land**
  - 1 Acre $120.04 $120.04 $14,644.86

**Total Fixed Costs**

- **$336.20 Total** $41,015.97

**Returns Above Specified Costs**

- **$1,173.89 Total** $143,214.99

**Breakeven Price to Cover Total Costs**

- **$86.48 Ton**

### Example Breakeven Prices

<table>
<thead>
<tr>
<th>Example</th>
<th>Price Needed to Cover Example Total Costs</th>
<th>Price Needed to Cover Example Variable Costs</th>
<th>Example Yield</th>
<th>Example Percent</th>
<th>Yield</th>
<th>Price Needed to Cover Landlord</th>
<th>Price Needed to Cover Share Tenant</th>
<th>Price Needed to Cover Own/Rent</th>
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</thead>
<tbody>
<tr>
<td>75%</td>
<td>5.63</td>
<td>$35.54</td>
<td>5.63</td>
<td>75%</td>
<td>5.63</td>
<td>$46.28</td>
<td>$46.28</td>
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<tr>
<td>90%</td>
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<td>6.75</td>
<td>90%</td>
<td>6.75</td>
<td>$46.28</td>
<td>$46.28</td>
<td>$96.09</td>
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<tr>
<td>100%</td>
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<td>$41.65</td>
<td>7.50</td>
<td>100%</td>
<td>7.50</td>
<td>$41.65</td>
<td>$41.65</td>
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</tr>
<tr>
<td>110%</td>
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<td>$37.87</td>
<td>8.25</td>
<td>110%</td>
<td>8.25</td>
<td>$37.87</td>
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<tr>
<td>125%</td>
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<td>$33.32</td>
<td>9.38</td>
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<td>9.38</td>
<td>$33.32</td>
<td>$33.32</td>
<td>$86.48</td>
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</tbody>
</table>

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

*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.*