### 2015 Estimated Costs and Returns per Acre

**Confectionary Sunflowers, Sprinkler Irrigated, Strip Tillage**  
- 122 Acres  
Panhandle Extension District - 1

#### Crop Acres
- 122

<table>
<thead>
<tr>
<th>Crop</th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confectionary Sunflowers</td>
<td>18.00</td>
<td>CWT</td>
<td>$22.00</td>
<td>$396.00</td>
</tr>
</tbody>
</table>

#### Revenue

**Total Revenue**  
- $396.00  
- $48,312.00

#### Variable Costs

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
</tr>
</thead>
</table>

**Production Costs**
- Seed  
  - Seed - Confectionary Sunflower  
    - 1 Acre  
    - $35.00  
    - $35.00  
    - $4,270.00
- Fertilizer  
  - Fertilizer (N) - Liquid  
    - 70 Pound  
    - $0.55  
    - $38.50  
    - $4,697.00
  - Fertilizer (P) - Liquid  
    - 24 Pound  
    - $0.85  
    - $20.40  
    - $2,488.80
- Custom  
  - Herbicide Application  
    - 3 Acre  
    - $5.10  
    - $15.30  
    - $1,866.60
  - Pesticide Application  
    - 1 Acre  
    - $5.00  
    - $5.00  
    - $610.00
  - Custom Harvest - Sorghum Dryland  
    - 20 CWT  
    - $0.37  
    - $7.40  
    - $902.80

**Miscellaneous**
- Crop Insurance Sunflowers - Irrigated  
  - 1 Acre  
  - $12.67  
  - $12.67  
  - $1,545.98
- Herbicide  
  - Glyphosate  
    - 3 Acre  
    - $4.50  
    - $13.50  
    - $1,647.00
  - 2-4D  
    - 1 Acre  
    - $2.42  
    - $2.42  
    - $295.24
  - Prowel H2O  
    - 1 Acre  
    - $13.35  
    - $13.35  
    - $1,628.70
- Insecticide  
  - Ammo  
    - 1 Acre  
    - $3.47  
    - $3.47  
    - $423.34
  - Seed Insecticide - Sunflower Confection  
    - 1 Acre  
    - $5.00  
    - $5.00  
    - $610.00

**Irrigation**
- Energy Cost  
  - 7.00 AcreInch  
  - $4.40  
  - $30.80  
  - $3,757.60
  - Irrigation Labor  
    - 0.45 Hour  
    - $11.75  
    - $5.26  
    - $642.21

**Machinery Labor**
- Tractors/Self-Propelled  
  - 0.47 Hour  
  - $11.75  
  - $5.52  
  - $673.75

**Diesel Fuel**
- Tractors/Self-Propelled  
  - 1.6 Gallon  
  - $3.30  
  - $5.28  
  - $644.16

**Gasoline**
- Pickup/General Use Equipment  
  - 1 Acre  
  - $13.48  
  - $13.48  
  - $1,644.50
- Repairs & Maintenance  
  - Pickup/General Use Equipment  
    - 1 Acre  
    - $5.52  
    - $5.52  
    - $673.20
  - Irrigation Equipment  
    - 1 Acre  
    - $22.50  
    - $22.50  
    - $2,745.60
  - Tractors/Self-Propelled  
    - 1 Acre  
    - $2.82  
    - $2.82  
    - $344.63
  - Implants  
    - 1 Acre  
    - $8.79  
    - $8.79  
    - $1,071.79

**Interest on Credit Line**
- 4.90%  
- $6.54  
- $797.61

**Total Variable Costs**  
- $306.15  
- $37,350.77

**Planned Returns Above Variable Costs**  
- $89.85  
- $10,961.23

**Breakeven Price to Cover Variable Costs**  
- $17.01 CWT

#### Fixed Costs

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
</tr>
</thead>
</table>

**Machinery Depreciation**
- Pickup/General Use Equipment  
  - 1 Acre  
  - $5.79  
  - $5.79  
  - $706.86
- Irrigation Equipment  
  - 1 Acre  
  - $28.28  
  - $28.28  
  - $3,450.16
- Tractors/Self-Propelled  
  - 1 Acre  
  - $2.92  
  - $2.92  
  - $356.12
- Implants  
  - 1 Acre  
  - $8.79  
  - $8.79  
  - $1,071.79

**Equipment Investment**
- Pickup/General Use Equipment  
  - $68.98 Dollars  
  - 5.40%  
  - $3.72  
  - $454.41
- Irrigation Equipment  
  - $703.28 Dollars  
  - 5.40%  
  - $37.98  
  - $4,633.20
- Tractors/Self-Propelled  
  - $32.96 Dollars  
  - 5.40%  
  - $1.78  
  - $217.12
- Implants  
  - $86.21 Dollars  
  - 5.40%  
  - $4.66  
  - $567.97

**Cash Rent - Sunflowers Irrigated**  
- 1 Acre  
- $80.75  
- $80.75  
- $9,851.50

**Total Fixed Costs**  
- $171.19  
- $20,885.10

**Total Specified Costs**  
- $477.34  
- $58,235.87

**Returns Above Specified Costs**  
- ($81.34)  
- ($9,923.87)

**Breakeven Price to Cover Total Costs**  
- $26.52 CWT

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**Example Breakeven Prices**

<table>
<thead>
<tr>
<th>Example Yield</th>
<th>Example Price Needed to Cover</th>
<th>Price Needed to Cover</th>
<th>Price Needed to Cover</th>
<th>Example Total Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Own Rent</td>
<td>Share Tenant</td>
<td>Landlord</td>
<td>Rent</td>
</tr>
<tr>
<td>75%</td>
<td>$22.68</td>
<td>$35.36</td>
<td>$35.36</td>
<td>$0.00</td>
</tr>
<tr>
<td>90%</td>
<td>$18.90</td>
<td>$29.47</td>
<td>$29.47</td>
<td>$0.00</td>
</tr>
<tr>
<td>100%</td>
<td>$17.01</td>
<td>$21.22</td>
<td>$21.22</td>
<td>$0.00</td>
</tr>
<tr>
<td>110%</td>
<td>$15.46</td>
<td>$24.11</td>
<td>$24.11</td>
<td>$0.00</td>
</tr>
<tr>
<td>125%</td>
<td>$13.61</td>
<td>$21.22</td>
<td>$21.22</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

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Developed by Steve Amosson, Regents Fellow, 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.*