## 2015 Estimated Costs and Returns per Acre

**Corn, Reduced Tillage, Furrow Irrigated, Rio Grande Valley - 100 Acres**

**South Extension District - 12**

### Crop Acres

**100**

#### REVENUE

<table>
<thead>
<tr>
<th>Crop</th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn</td>
<td>110.00</td>
<td>Bushel</td>
<td>$6.25</td>
<td>$687.50</td>
<td>$68,750.00</td>
</tr>
</tbody>
</table>

**Total Revenue**

$687.50  
$68,750.00

#### VARIABLE COSTS

**Production Costs**

- **Custom Harvest Corn**
  - Quantity: 110 
  - Units: Bushel 
  - $/Unit: $0.33 
  - Total: $36.30  
  - Enterprise Total: $3,630.00

- **Custom Haul Corn**
  - Quantity: 110 
  - Units: Bushel 
  - $/Unit: $0.16 
  - Total: $17.60  
  - Enterprise Total: $1,760.00

- **Fertilizer**
  - **UAN (32% N)**
    - Quantity: 2.6 
    - Units: CWT 
    - $/Unit: $18.60 
    - Total: $48.36  
    - Enterprise Total: $4,836.00

- **Herbicide**
  - **Glyphosate**
    - Quantity: 1.25 
    - Units: Pint 
    - $/Unit: $2.25 
    - Total: $2.81  
    - Enterprise Total: $281.25

  - **AAitrex 4L**
    - Quantity: 2 
    - Units: Pint 
    - $/Unit: $2.08 
    - Total: $4.16  
    - Enterprise Total: $416.00

- **Seed**
  - **Corn Seed**
    - Quantity: 20 
    - Units: Thousand 
    - $/Unit: $2.15 
    - Total: $43.00  
    - Enterprise Total: $4,300.00

- **Miscellaneous**
  - **MPCI: Irrigated Corn**
    - Quantity: 1 
    - Units: Acre 
    - $/Unit: $5.00 
    - Total: $5.00  
    - Enterprise Total: $500.00

- **Other Labor**
  - **Unallocated Labor**
    - Quantity: 0.2096 
    - Units: Hour 
    - $/Unit: $9.00 
    - Total: $1.89  
    - Enterprise Total: $188.64

- **Irrigation**
  - **Water Cost**
    - Quantity: 0.80 
    - Units: Acre/Foot 
    - $/Unit: $20.00 
    - Total: $16.00  
    - Enterprise Total: $1,600.00

  - **Irrigation Labor**
    - Quantity: 2.20 
    - Units: Hour 
    - $/Unit: $9.00 
    - Total: $19.80  
    - Enterprise Total: $1,980.00

- **Machinery Labor**
  - **Tractors/Self-Propelled**
    - Quantity: 0.79 
    - Units: Hour 
    - $/Unit: $9.00 
    - Total: $7.11  
    - Enterprise Total: $711.00

- **Diesel Fuel**
  - **Tractors/Self-Propelled**
    - Quantity: 3.52 
    - Units: Gallon 
    - $/Unit: $3.00 
    - Total: $10.56  
    - Enterprise Total: $1,056.00

- **Repairs & Maintenance**
  - **Tractors/Self-Propelled**
    - Quantity: 1 
    - Units: Acre 
    - $/Unit: $5.43 
    - Total: $5.43  
    - Enterprise Total: $543.13

  - **Implements**
    - Quantity: 1 
    - Units: Acre 
    - $/Unit: $10.02 
    - Total: $10.02  
    - Enterprise Total: $1,001.76

- **Interest on Credit Line**
  - **Tractors/Self-Propelled**
    - Quantity: 1 
    - Units: Acre 
    - $/Unit: $5.70 
    - Total: $5.70  
    - Enterprise Total: $570.29

  - **Implements**
    - Quantity: 1 
    - Units: Acre 
    - $/Unit: $9.31 
    - Total: $9.31  
    - Enterprise Total: $930.61

- **Total Variable Costs**
  - $234.24  
  - Enterprise Total: $23,424.22

#### Planned Returns Above Variable Costs:

- **$453.26**  
  - Enterprise Total: $45,325.78

**Breakeven Price to Cover Variable Costs**

$2.13  
$213.00

### FIXED COSTS

**Machinery Depreciation**

- **Tractors/Self-Propelled**
  - Quantity: 1 
  - Units: Acre 
  - $/Unit: $5.61 
  - Total: $5.61  
  - Enterprise Total: $561.24

- **Implements**
  - Quantity: 1 
  - Units: Acre 
  - $/Unit: $11.96 
  - Total: $11.96  
  - Enterprise Total: $1,195.75

**Equipment Investment**

- **Tractors/Self-Propelled**
  - Quantity: $63.37  
  - Units: Dollars 
  - %: 9.0% 
  - $/Unit: $5.70 
  - Total: $570.29

- **Implements**
  - Quantity: $103.40  
  - Units: Dollars 
  - %: 9.0% 
  - $/Unit: $9.31 
  - Total: $930.61

**Total Fixed Costs**

$32.58  
$3,257.89

**Total Specified Costs**

$266.82  
$26,682.11

**Returns Above Specified Costs**

$420.68  
$42,067.89

**Breakeven Price to Cover Total Costs**

$2.43  
$243.00

### Example Breakeven Prices

<table>
<thead>
<tr>
<th>Example</th>
<th>Yield Percent</th>
<th>Yield Bushel</th>
<th>Price Needed to Cover Example Variable Costs</th>
<th>Price Needed to Cover Example Total Costs</th>
</tr>
</thead>
</table>
| 75%     | 82.50         |              | $2.84  
  | Share Tenant | $4.24        | $3.23  
  | Landlord    | $2.43        | $0.00 |
| 90%     | 99.00         |              | $2.37  
  | Share Tenant | $3.53        | $2.70  
  | Landlord    | $4.02        | $0.00 |
| 100%    | 110.00        |              | $2.13  
  | Share Tenant | $3.18        | $2.43  
  | Landlord    | $3.62        | $0.00 |
| 110%    | 121.00        |              | $1.94  
  | Share Tenant | $2.89        | $2.21  
  | Landlord    | $3.29        | $0.00 |
| 125%    | 137.50        |              | $1.70  
  | Share Tenant | $2.54        | $1.94  
  | Landlord    | $2.90        | $0.00 |

Developed by Luis Ribera, 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.*