### Costs and Returns per acre from growing corn for silage, 2006

#### Millard County - Delta

<table>
<thead>
<tr>
<th>Receipts</th>
<th>Quantity per acre</th>
<th>Unit</th>
<th>Price/cost per unit</th>
<th>Value/cost per acre</th>
<th>Base Value</th>
<th>Your Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn silage</td>
<td>19.3</td>
<td>tons</td>
<td>$30.80</td>
<td>$594.44</td>
<td>$594.44</td>
<td>$594.44</td>
</tr>
<tr>
<td>Residue</td>
<td>-</td>
<td>AUM</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
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<td>$594.44</td>
<td>$594.44</td>
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</tbody>
</table>

**Operating costs**

#### Land preparation
- Discing 1 acre: $3.73
- Land plane 1 acre: $3.34
- Planting 1 acre: $5.28
- Cultivation 1 acre: $2.94

#### Fertilization
- Nitrogen (34-0-0) 550 pounds: $0.18
- Phosphate (11-52-0) 100 pounds: $0.18
- Custom application 1 acre: $7.82

#### Pesticides/herbicides
- Roundup Ultra Max 2.00 quart: $6.32
- Custom application 1 acre: $7.82

#### Irrigation (flood)
- Labor 2.00 hours: $10.00
- Water assessment 1 share: $20.00
- Repairs/maintenance 1 acre: $2.30
- Pumping 36 acre inch: $0.00

#### Harvesting
- Chopping 1 acre: $6.79
- Packing and pushing 1 acre: $5.73
- Trucking 1.9 loads/acre: $16.04

#### Crop insurance (75% Yield, 100% Price)
- 1 acre: $15.14

#### Interest on operating capital
- 7.61%: $5.79

**Subtotal**
- $311.32

#### Ownership costs (excludes cost of land)
- Farm insurance 1 acre: $2.00
- Machinery ownership costs 1 acre: $82.08
- Irrigation equipment costs 1 acre: $8.25

**Total costs**
- $403.66

**Net returns to owner for unpaid labor, management, equity and risk**
- Above operating costs: $283.12
- Above total listed costs: $190.78

<table>
<thead>
<tr>
<th>Yield (Ton/acre)</th>
<th>Selling Price ($/ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$20.80</td>
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<tr>
<td>17.80</td>
<td>$58.92</td>
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<td>20.30</td>
<td>$110.92</td>
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<tr>
<td>20.80</td>
<td>$121.32</td>
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</tbody>
</table>

**Assumptions**
1. Corn planted in late April and harvested in September.
2. Interest computed on land preparation and planting costs for 6 months and cultivation, fertilization, herbicide and irrigation costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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