Costs and Returns per acre from growing barley, 2006
Millard County - Fillmore

Receipts

<table>
<thead>
<tr>
<th>Item</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>Barley</td>
<td>88.0</td>
<td>bushels</td>
<td>$2.27</td>
<td>$199.41</td>
<td>$199.41</td>
<td></td>
</tr>
<tr>
<td>Straw</td>
<td>0.75</td>
<td>tons</td>
<td>$43.00</td>
<td>$32.25</td>
<td>$32.25</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>$231.66</td>
<td>$231.66</td>
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</tr>
</tbody>
</table>

Operating costs

- Land preparation
  - Ripping 1 acre $5.88 $5.88 $5.88
  - Discing - Roller harrow 1 acre $3.64 $3.64 $3.64
  - Planting 1 acre $2.96 $2.96 $2.96
- Seed 100 pounds $0.17 $17.00 $17.00
- Fertilization
  - Nitrogen (34-0-0) 241 pounds $0.18 $43.02 $43.02
  - Phosphate (11-52-0) 163 pounds $0.18 $29.10 $29.10
- Custom application
  - 1 acre $7.82 $7.82 $7.82
- Pesticides/herbicides
  - 2,4-D 1.25 pints $2.75 $3.44 $3.44
  - Sevin XLR Plus 1.0 quart $4.10 $4.10 $4.10
- Irrigation (wheel line) 2 irrigations
  - Labor 0.67 hours $10.00 $6.67 $6.67
  - Water assessment - share $20.00 $0.00 $0.00
  - Repairs/maintenance 1 acre $2.30 $2.30 $2.30
  - Pumping 22 acre inch $0.00 $0.00 $0.00
- Harvesting
  - Custom combine 1 acre $26.00 $26.00 $26.00
  - Haul grain (custom) 88.0 bushel $0.06 $5.28 $5.28
- Harvesting straw
  - Swathing 1 acre $4.03 $4.03 $4.03
  - Baling 0.75 tons $4.79 $3.59 $3.59
  - Haul/stack straw 0.75 tons $3.63 $2.72 $2.72
- Crop insurance (75% Yield, 100% Price) 1 acre $10.14 $10.14 $10.14
- Interest on operating capital 7.51% $3.11 $3.11

Subtotal $188.62 $189.29

Ownership costs (excludes cost of land)

- Farm insurance 1 acre $2.00 $2.00 $2.00
- Machinery ownership costs 1 acre $61.17 $61.17 $61.17
- Irrigation equipment costs 1 acre $8.25 $8.25 $8.25

Total costs $260.04 $260.71

Net returns to owner for unpaid labor, management, equity and risk

- Above operating costs $43.04 $42.37
- Above total listed costs $-28.38 $-29.05

Breakeven Table - Barley

Net returns per acre above operating costs

<table>
<thead>
<tr>
<th>Yield (Bu/Ac)</th>
<th>Selling Price ($/Bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$1.27</td>
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<tr>
<td>73.00</td>
<td>-$63.05</td>
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<tr>
<td>78.00</td>
<td>-$57.02</td>
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<td>83.00</td>
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<tr>
<td>88.00</td>
<td>-$44.96</td>
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<tr>
<td>93.00</td>
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<tr>
<td>98.00</td>
<td>-$32.90</td>
</tr>
<tr>
<td>103.00</td>
<td>-$26.87</td>
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</table>

Assumptions
1. Grain planted in late March and harvested in early August.
2. Interest computed on land preparation and planting costs for 6 months and fertilization/herbicides/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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Craig Poulson