## Irrigated Wheat (Center-Pivot) Cost-Return Budget

---Western Kansas

### INCOME

<table>
<thead>
<tr>
<th>Product</th>
<th>unit</th>
<th>price</th>
<th>quantity</th>
<th>amount</th>
<th>Sub-total</th>
<th>your farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat - Western KS</td>
<td>bu</td>
<td>$3.53</td>
<td>65.00</td>
<td>$229.45</td>
<td>$229.45</td>
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</tr>
</tbody>
</table>

---TOTAL INCOME---

### EXPENSES

<table>
<thead>
<tr>
<th>Fertilizers</th>
<th>lb</th>
<th>$0.32</th>
<th>89.80</th>
<th>$28.36</th>
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<tbody>
<tr>
<td>Nitrogen</td>
<td>lb</td>
<td>$0.34</td>
<td>30.82</td>
<td>$10.38</td>
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<tr>
<td>Phosphorus</td>
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<tr>
<td>Herbicides</td>
<td></td>
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<tr>
<td>Pre-emergence</td>
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<td>$6.31</td>
<td>$6.31</td>
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<tr>
<td>Seeds</td>
<td></td>
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<tr>
<td>Crop insurance</td>
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<td></td>
<td></td>
<td></td>
<td>$29.62</td>
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</tr>
<tr>
<td>Miscellaneous</td>
<td></td>
<td></td>
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<td>$10.00</td>
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</tr>
<tr>
<td>Fungicides</td>
<td></td>
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<td>$8.79</td>
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<tr>
<td>Crop consulting</td>
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<td>$6.00</td>
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<tr>
<td>Labor (beyond custom field operations)</td>
<td></td>
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<td>$22.80</td>
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</tr>
<tr>
<td>Custom Field Operations</td>
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<tr>
<td>Fertilizer application</td>
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<td>Hauling</td>
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<td>Planting</td>
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<td>Spraying</td>
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<td>Natural Gas</td>
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<td>$25.68</td>
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<tr>
<td>Repair &amp; Maintenance</td>
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<td></td>
<td></td>
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<td>$2.64</td>
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<tr>
<td>Interest on operating capital</td>
<td>6% on direct expenses</td>
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<td></td>
<td>$7.44</td>
<td>$7.44</td>
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<tr>
<td>Depreciation</td>
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<td>$76.67</td>
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<tr>
<td>Interest on durable equipment</td>
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<tr>
<td>Cash rent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$129.00</td>
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</tbody>
</table>

---TOTAL SPECIFIED EXPENSES---

$520.24

RETURNS ABOVE TOTAL SPECIFIED EXPENSES

-$290.79
### 2018 Irrigated Wheat (Center-Pivot) Cost-Return Budget

---Western Kansas

**Gregg Ibendahl, Dan O'Brien, Lucas Haag, and John Holman**

**Budget date:** Oct-30-2017

#### INCOME

<table>
<thead>
<tr>
<th>Product</th>
<th>unit</th>
<th>price</th>
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<th>your farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat - Western KS</td>
<td>bu</td>
<td>$3.53</td>
<td>65.00</td>
<td>$229.45</td>
<td>$229.45</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
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<tr>
<td>Govt payments, indemnity payments, etc.</td>
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</tbody>
</table>

---TOTAL INCOME--

$229.45

#### DIRECT EXPENSES

**Fertilizers**

- **C - DAP (18-46-0) (1)**
  - lb
  - $0.21
  - 67.00
  - $14.24

- **C - Urea**
  - lb
  - $0.14
  - 169.00
  - $24.50

- **- - ACTUAL POUNDS - 90 N, 31 P, 0 K**

**Herbicides**

- **B - 2, 4-D LV Ester (1)**
  - oz
  - $0.14
  - 8.00
  - $1.13

- **B - Ally**
  - oz
  - $7.37
  - 0.10
  - $0.74

- **B - Banvel 4**
  - oz
  - $0.31
  - 4.00
  - $1.25

**Seeds**

- Wheat (base)
  - lb
  - $0.20
  - 90.00
  - $18.00

**Crop insurance**

- Wheat_West_Irr
  - acre
  - $29.62
  - 1.00
  - $29.62

**Miscellaneous**

- Wheat_West_Irr
  - acre
  - $10.00
  - 1.00
  - $10.00

**Fungicides**

- **Folicur (1)**
  - oz
  - $0.86
  - 1.33
  - $1.14

- **Headline**
  - oz
  - $2.68
  - 1.33
  - $3.56

- **Quilt**
  - oz
  - $1.17
  - 3.50
  - $4.09

**Crop consulting**

- Wheat_West_Irr
  - acre
  - $6.00
  - 1.00
  - $6.00

**Labor (beyond custom field operations)**

- Additional labor
  - hour
  - $15.00
  - 1.20
  - $18.00

- Irrigation labor
  - hour
  - $15.00
  - 0.32
  - $4.80

**Custom Field Operations**

- **FERTAPP-Dry fertilizer**
  - acre
  - $5.29
  - 1.00
  - $5.29

- **HARVEST-Wheat (base)**
  - acre
  - $22.41
  - 1.00
  - $22.41

- **HARVEST-Wheat (extra charge for yields above 21 bu)**
  - bu
  - $0.23
  - 44.00
  - $9.95

- **HAUL-Wheat - hauling**
  - bu
  - $0.22
  - 65.00
  - $14.06

- **PLANT-Wheat, min-till planting**
  - acre
  - $16.37
  - 1.00
  - $16.37

- **SPRAY-Ground herbicide**
  - acre
  - $5.61
  - 1.00
  - $5.61

- **SPRAY-Ground insecticide**
  - acre
  - $5.65
  - 1.00
  - $5.65

**Natural Gas**

- Well, pump, and gearhead
  - ac-in
  - $3.21
  - 8.00
  - $25.68

**Repair & Maintenance**

- Well, pump, and gearhead
  - ac-in
  - $0.33
  - 8.00
  - $2.64

**Other**

- Crop consulting, drying, etc.

**Interest on operating capital**

- 6% on direct expenses
  - $7.44

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Department of Agricultural Economics - Kansas State University

AgManager.info
## Irrigated Wheat (Center-Pivot) Cost-Return Budget

### Western Kansas

<table>
<thead>
<tr>
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<th>price</th>
<th>quantity</th>
<th>amount</th>
<th>Sub-total</th>
<th>your farm</th>
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</thead>
<tbody>
<tr>
<td>----TOTAL DIRECT EXPENSES--</td>
<td></td>
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</tr>
<tr>
<td>FIXED EXPENSES</td>
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<tr>
<td>Depreciation</td>
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<td>$22.43</td>
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<td>Well, pump, and gearhead</td>
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<td>1.00</td>
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<td>Interest on durable equipment</td>
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<td>$28.04</td>
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<td>Irrigation - Center Pivot</td>
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<td>Well, pump, and gearhead</td>
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<td>$129.00</td>
<td>1.00</td>
<td>$129.00</td>
<td>$129.00</td>
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<tr>
<td>All crops_West_ire</td>
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<td>1.00</td>
<td>$129.00</td>
<td>$129.00</td>
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<tr>
<td>----TOTAL FIXED EXPENSES--</td>
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<td>$264.89</td>
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<td>----TOTAL SPECIFIED EXPENSES--</td>
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<td>$520.24</td>
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<td>RETURNS ABOVE DIRECT EXPENSES</td>
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<td>-$25.91</td>
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<td>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</td>
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<td></td>
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<td>-$290.79</td>
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</tbody>
</table>

- 12 acre-inches of water applied
- 300 foot well depth
- $ fuel cost per acre-inch of water applied
- Mcf of natural gas per acre-inch of water applied
- $ per Mcf for cost of natural gas
- 0 Mcf of fuel used in total