**TABLE 6.** Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Projected 2015

Planting dates: August 15 - September 15

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PURCHASED INPUTS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>PRICE</td>
<td>QUANTITY</td>
</tr>
<tr>
<td>SEED</td>
<td>$6.00</td>
<td>18 LBS</td>
</tr>
<tr>
<td>CANAL WATER</td>
<td></td>
<td>5 AC. IN.</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td>$108.00</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>INPUTS</th>
<th><strong>TOTAL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>$108.00</td>
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<table>
<thead>
<tr>
<th>ITEM</th>
<th>POWER UNIT</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREHARVEST OPERATIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHISEL</td>
<td>40 HP</td>
<td>0.20 HR</td>
<td>$1.71</td>
<td>$2.62</td>
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<td>DISC</td>
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<td>0.17 HR</td>
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<td>DRILL</td>
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<td>0.25 HR</td>
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<td>$4.28</td>
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<td></td>
<td></td>
<td>$4.28</td>
</tr>
<tr>
<td>IRRIGATE (1X)</td>
<td>0.75 HR</td>
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<td>$5.63</td>
<td></td>
<td></td>
<td></td>
<td>$5.63</td>
</tr>
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<td><strong>SUBTOTAL</strong></td>
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<td>1.87 HR</td>
<td>$15.20</td>
<td>$8.12</td>
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<td>$1.87</td>
<td>$25.85</td>
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| OVERHEAD EXPENSES         |            |                     |                  |             |         |            |       |
| DOWNTIME                 | 0.16 HR    |                     | $1.33            |             |         |            | $1.33 |
| EMPLOYEE BENEFITS        |            |                     | $2.74            |             |         |            | $2.74 |
| INSURANCE                | $0.30      |                     | $0.30            |             |         |            | $0.30 |
| SUPERVISION AND MANAGEMENT| $10.43     |                     | $10.43           |             |         |            | $10.43|
| **SUBTOTAL**             |            | 0.16 HR             | $14.49           |             |         |            | $14.80|

| TOTAL OPERATING EXPENSES  |            | 2.03 HR             | $108.30          | $29.69      | $8.12   | $0.67      | $1.87 | $148.65|
**TABLE 7.** Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Projected 2015

Harvesting dates: May 15 - September 15

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRICE</th>
<th>YIELD</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td>ALFALFA HAY</td>
<td>$245.00</td>
<td>4.00 TONS (STACKED)</td>
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<tr>
<td>GRAZING</td>
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<td>1.00 ACRE</td>
<td>$15.00</td>
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<td><strong>TOTAL</strong></td>
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**PURCHASED INPUTS**

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</thead>
<tbody>
<tr>
<td>LIVESTOCK FAC &amp; EQUIP</td>
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<td>: Interest</td>
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<td>BAILING WIRE</td>
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<tr>
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<td>16.00 AC. IN.</td>
<td>$5.00</td>
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<tr>
<td>PUMP WATER*</td>
<td></td>
<td>8.00 AC. IN.</td>
<td>$5.00</td>
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<tr>
<td><strong>SUBTOTAL</strong></td>
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<td><strong>$50.25</strong></td>
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**PREHARVEST OPERATIONS**

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<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DITCH MAINTENANCE</td>
<td></td>
<td>0.50 HR</td>
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<td></td>
<td>$4.28</td>
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</tr>
<tr>
<td>IRRIGATE (8X)</td>
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<td>4.00 HR</td>
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<td>$31.05</td>
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**HARVEST OPERATIONS**

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<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOWER (3X)</td>
<td>40 HP</td>
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<td>$9.49</td>
<td>$14.53</td>
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<td>RAKE (3X)</td>
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<td>$0.78</td>
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<tr>
<td>HAUL (3X)</td>
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**OVERHEAD EXPENSES**

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<th>ITEM</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
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<td>DOWNTIME</td>
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<td>$14.11</td>
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<td>$16.33</td>
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<td>INSURANCE</td>
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<td></td>
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<td>$1.81</td>
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<tr>
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<td>$0.21</td>
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<td>SUPERVISION AND MANAGEMENT</td>
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<td></td>
<td>$246.66</td>
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<td>$0.21</td>
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</table>

**TOTAL OPERATING EXPENSES**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.75 HR</td>
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**NET OPERATING PROFIT**

<table>
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<th>ITEM</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTEREST ON OPERATING CAPITAL</td>
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<tr>
<td>INTEREST ON EQUIPMENT INVESTMENT</td>
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**RETURN TO LAND AND RISK**

<table>
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<th>ITEM</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.65 HR</td>
<td></td>
<td>$246.66</td>
<td></td>
<td>$107.38</td>
<td></td>
<td>$0.21</td>
</tr>
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</table>

**BUDGET SUMMARY**

**GROSS RETURN**

<table>
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<tr>
<th>ITEM</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>FUEL &amp; LUBE</th>
<th>REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VARIABLE OPERATING EXPENSES</td>
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<td></td>
<td></td>
<td>$112.21</td>
</tr>
<tr>
<td>LABOR AND MANAGEMENT COST</td>
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<td></td>
<td></td>
<td>$411.11</td>
<td>(RETURN TO CAPITAL, LABOR, LAND &amp; RISK)</td>
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<tr>
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<td></td>
<td></td>
<td></td>
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<td>(RETURN TO CAPITAL, LABOR, LAND &amp; RISK)</td>
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<td></td>
<td></td>
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<td>$208.63</td>
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* Pump water costs are shown under irrigation in the preharvest operations section.
### TABLE 8. Native grass hay, flood-irrigated, budgeted per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Projected 2015

Harvesting dates: July 20 - September 15

<table>
<thead>
<tr>
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<td>GRAZING</td>
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<p>| | | |</p>
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</tr>
</thead>
<tbody>
<tr>
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<td>$343.00</td>
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<th>PREHARVEST OPERATIONS</th>
<th>POWER UNIT</th>
<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>LABOR</th>
<th>FUEL &amp; LUBE REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
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<tr>
<td>LIVESTOCK FAC &amp; EQUIP</td>
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<td>$5.00</td>
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<tr>
<td>PUMP WATER*</td>
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<td>6 AC. IN.</td>
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<td>$4.00</td>
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<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>LABOR</th>
<th>FUEL &amp; LUBE REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOWER (2X)</td>
<td>40 HP</td>
<td>0.74 HR</td>
<td>$6.33</td>
<td>$9.69</td>
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<th>ACCOMPLISHMENT RATE</th>
<th>PURCHASED INPUTS</th>
<th>LABOR</th>
<th>FUEL &amp; LUBE REPAIRS</th>
<th>FIXED COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOWNTIME</td>
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<td>$6.41</td>
<td></td>
<td></td>
<td>$6.41</td>
<td></td>
</tr>
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<td>$9.23</td>
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</tr>
<tr>
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<td>$1.03</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>$0.21</td>
<td>$0.21</td>
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<tr>
<td>SUPERVISION AND MANAGEMENT</td>
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<td>$25.51</td>
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<td>$58.88</td>
<td>$31.62</td>
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</table>

| TOTAL OPERATING EXPENSES | 3.75 HR | | $268.04 | $92.46 | $58.88 | $15.27 | $46.64 |

| NET OPERATING PROFIT | | | | | | $138.29 | |

| RETURN TO LAND AND RISK | | | | | | $160.38 | |

* Pump water costs are shown under irrigation in the preharvest operations section.

**BUDGET SUMMARY**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRICE</th>
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</thead>
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</tr>
<tr>
<td>CAPITAL COSTS</td>
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<tr>
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TABLE 9. Summary of per acre costs and returns for an 80 acre part-time farm, Dry Cimarron area, Union County, Projected 2015

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<thead>
<tr>
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### TABLE 10. Whole farm summary, Union County, Projected 2015

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<th>RETURN ON INVESTMENT**</th>
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<tr>
<td>$500 /ACRE</td>
<td>$730</td>
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* RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)  
** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)