**Enterprise Budget**

10/31/2018

**2019 CS Pasture Estab**

Yield, tons air-dry: 0.83

Establishment year

Weighted value per ton, air-dry: $36.36

Owned land

Dryland

<table>
<thead>
<tr>
<th>Business unit</th>
<th>Income per acre</th>
<th>Yield</th>
<th>Price</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grazing</td>
<td></td>
<td>2</td>
<td>15.00</td>
<td>30.00</td>
</tr>
<tr>
<td>Other income</td>
<td></td>
<td></td>
<td></td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total income per acre</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$30.00</strong></td>
</tr>
</tbody>
</table>

Operating costs per acre

Seed, orchard+red clover 31.70
Fertilizer 100.80
Nitrogen 12.60
Phosphorus 14.70
Potassium 13.50
Other amendments 60.00
Crop protection 10.50
Herbicide 10.50
Insecticide-fungicide 0.00
Crop supplies, storage 3.50
Crop consulting 0.00
Custom hire and rental 26.00
Machinery fuel and irrigation energy 5.84
Machinery repairs and maintenance 3.15
Operator and hired labor 11.12
Other expense 0.00
Operating interest 5.78

**Operating costs per acre** $198.40

Ownership costs per acre

Farm business overhead 5.00
Machinery overhead 5.58
Machinery depreciation 8.71
Real estate charge 39.90

**Ownership costs per acre** $59.19

**Total costs per acre** $257.59

Income over operating costs per acre -$168.40
Income over total costs per acre -$227.59

Operating costs per ton, air-dry basis $240.48
Ownership costs per ton, air-dry basis $71.74
Total costs per ton, air-dry basis $312.23

The Forage Budget Generator is a product of the Food and Agricultural Policy Research Institute at the University of Missouri

www.fapri.missouri.edu
Detailed Report

Establishment year 2019 CS Pasture Estab
10/31/18

Selected input quantities | per acre | Selected input prices | $ per unit
--- | --- | --- | ---
Forage yield, tons | 0.83 | Farm diesel, per gallon | 2.86
Seeding rate, lbs | 14 | Operating interest, % | 6.00
Nitrogen rate, lbs | 30 | Nitrogen, per lb | 0.42
Phosphorus rate, lbs | 35 | Phosphorus, per lb | 0.42
Potassium rate, lbs | 45 | Potassium, per lb | 0.30
Lime rate, tons | 3 | Lime, per ton | 20.00
Sum of allocated labor, hours | 0.77 | Skilled labor, per hour | 18.00
Irrigation, inches | 0 | Land value, per acre | 2,100

<table>
<thead>
<tr>
<th>Machine activity (not custom)</th>
<th>Labor Costs</th>
<th>Fuel Costs</th>
<th>Operating Costs</th>
<th>Ownership Costs</th>
<th>Total Costs</th>
<th>Trips</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours</td>
<td>Gallons</td>
<td>$ per acre</td>
<td>$ per acre</td>
<td>$ per acre</td>
<td>per acre</td>
</tr>
<tr>
<td>Rent, No-till drill (15 ft); 130 MFWD</td>
<td>0.16</td>
<td>0.90</td>
<td>18.35</td>
<td>3.93</td>
<td>22.28</td>
<td>1</td>
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<tr>
<td>Rotary mower (12 ft); 130 MFWD</td>
<td>0.11</td>
<td>0.66</td>
<td>4.73</td>
<td>7.05</td>
<td>11.79</td>
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<tr>
<td>Pickup truck</td>
<td>0.52</td>
<td>2.28</td>
<td>3.31</td>
<td>5.59</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>0.27</strong></td>
<td><strong>2.07</strong></td>
<td><strong>25.37</strong></td>
<td><strong>14.29</strong></td>
<td><strong>39.66</strong></td>
<td><strong>2</strong></td>
</tr>
</tbody>
</table>

1 Farm business overhead includes liability insurance, utilities, accounting, etc. Machinery overhead is the sum of opportunity interest, property taxes, insurance, and housing. Machinery depreciation is a market value decline due to aging and usage. Thus, a portion of depreciation should be considered an operating costs for some decisions. Real estate charge includes land, improvements, taxes. Economic costs may differ from rental rates.

2 Machinery operating cost is the sum of fuel, repairs, maintenance, and the value of labor.

3 Machinery ownership cost is the sum of machinery overhead and depreciation (see page 1).