

**Bermudagrass Sm Sq Bales, 2010**

Estimated Nov 2009

Yield, tons air-dry: 6.00  
 Weighted value per ton, air-dry: \$141.67

Income per acre	Yield	Price	Business unit total
Hay	60 lb bales 200	4.25	850.00
Other income			0.00
<b>Total income per acre</b>			<b>\$850.00</b>

Operating costs per acre			
Seed			0.00
Fertilizer			234.60
Nitrogen		105.60	
Phosphorus		16.20	
Potassium		112.80	
Other amendments		0.00	
Crop protection			0.00
Herbicide		0.00	
Insecticide-fungicide		0.00	
Crop supplies, storage			11.00
Crop consulting			0.00
Custom hire and rental			120.00
Machinery fuel and irrigation energy			19.43
Machinery repairs and maintenance			14.36
Operator and hired labor			34.44
Other expense			0.00
Operating interest			15.18
<b>Operating costs per acre</b>			<b>\$449.01</b>

Ownership costs per acre <sup>1</sup>			
Farm business overhead			5.43
Machinery overhead			9.14
Machinery depreciation			35.70
Real estate charge			67.60
<b>Ownership costs per acre</b>			<b>\$117.87</b>

**Total costs per acre \$566.88**

Income over operating costs per acre	\$400.99
Income over total costs per acre	\$283.12

Operating costs per ton, air-dry basis	\$74.84
Ownership costs per ton, air-dry basis	\$19.64
Total costs per ton, air-dry basis	\$94.48

## Detailed Report

Production Bermudagrass 5m Sq Bales, 2010

Selected input quantities	per acre	Selected input prices	\$ per unit
Forage yield, tons	6.00	Farm diesel, per gallon	2.45
Seeding rate, lbs	0	Operating interest, %	7.00
Nitrogen rate, lbs	240	Nitrogen, per lb	0.44
Phosphorus rate, lbs	60	Phosphorus, per lb	0.27
Potassium rate, lbs	240	Potassium, per lb	0.47
Lime rate, tons	0	Lime, per ton	0.00
Sum of allocated labor, hours	2.15	Skilled labor, per hour	17.00
Irrigation, inches	0	Land value, per acre	1,690

Machine activity (not custom)	Labor	Fuel	Operating	Ownership	Total	Trips
	Hours	Gallons	Costs <sup>2</sup>	Costs <sup>3</sup>	Costs	
	per acre	per acre	\$ per acre	\$ per acre	\$ per acre	per acre
Fertilizer spreader 4 T (40 ft); 75 HP	0.17	0.56	5.54	4.68	10.22	4
Swather (haybine) mower-conditioner (9 ft); 1	0.76	3.53	27.01	14.89	41.91	4
Wheel rake, V hitch (8 wheel); 60 HP	0.20	0.53	4.49	10.05	14.54	4
Small square baler; 75 HP	0.81	2.69	26.59	12.54	39.14	4
Pickup truck		0.58	2.23	2.68	4.91	
<b>Total</b>	<b>1.95</b>	<b>7.88</b>	<b>65.87</b>	<b>44.84</b>	<b>110.72</b>	<b>16</b>

<sup>1</sup> 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.

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

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