

Caucasian Bluestem Establishment, 2010

Estimated Nov 2009

Yield, tons air-dry: 0.00

Income per acre	Yield	Price	Business unit total
Hay	tons 0	0.00	0.00
Other income			0.00
Total income per acre			\$0.00
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Operating costs per acre			
Seed			45.60
Fertilizer			98.80
Nitrogen		26.40	
Phosphorus		10.80	
Potassium		37.60	
Other amendments		24.00	
Crop protection			20.95
Herbicide, <i>Burndown+picloram</i>		20.95	
Insecticide-fungicide		0.00	
Crop supplies, storage			2.00
Crop consulting			0.00
Custom hire and rental			0.00
Machinery fuel and irrigation energy			12.30
Machinery repairs and maintenance			9.29
Operator and hired labor			17.62
Other expense			0.00
Operating interest			8.26
Operating costs per acre			\$214.82
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Ownership costs per acre ¹			
Farm business overhead			3.88
Machinery overhead			13.60
Machinery depreciation			21.43
Real estate charge			27.80
Ownership costs per acre			\$66.70
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Total costs per acre			\$281.52
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Income over operating costs per acre			-\$214.82
Income over total costs per acre			-\$281.52
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Detailed Report

Establishment year *Caucasian Bluestem Establishment, 2010*

Selected input quantities	per acre	Selected input prices	\$ per unit
Forage yield, tons	0.00	Farm diesel, per gallon	2.45
Seeding rate, lbs	4	Operating interest, %	8.00
Nitrogen rate, lbs	60	Nitrogen, per lb	0.44
Phosphorus rate, lbs	40	Phosphorus, per lb	0.27
Potassium rate, lbs	80	Potassium, per lb	0.47
Lime rate, tons	2	Lime, per ton	12.00
Sum of allocated labor, hours	1.28	Skilled labor, per hour	17.00
Irrigation, inches	0	Land value, per acre	1,390

Machine activity (not custom)	Labor	Fuel	Operating	Ownership	Total	Trips per acre
	Hours per acre	Gallons per acre	Costs ² \$ per acre	Costs ³ \$ per acre	Costs \$ per acre	
Chisel plow (15 ft); 130 MFWD	0.12	0.67	4.23	5.56	9.79	1
Tandem disk (21 ft); 130 MFWD	0.16	0.94	6.68	7.21	13.88	2
Roller harrow (12 ft); 75 HP	0.13	0.44	3.40	3.16	6.56	1
Rotary mower (15 ft); 130 MFWD	0.13	0.74	4.42	6.05	10.48	1
Boom sprayer (30 ft); 75 HP	0.13	0.43	4.39	2.73	7.12	2
Fertilizer spreader 4 T (40 ft); 75 HP	0.21	0.69	6.93	5.63	12.56	5
Field roller (12 ft); 75 HP	0.14	0.47	3.98	2.01	6.00	1
Pickup truck		0.58	2.23	2.68	4.91	
Total	1.03	4.97	36.26	35.03	71.28	13

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).