

**Cool Season Grass, No-Till Establishment  
Estimated Expenses per Acre**

Item	Description	Unit	Quantity	Price	Amount (\$/acre)	Your Farm
<b>Variable Expenses</b>						
Seed <sup>1</sup>	Fescue or Orchardgrass	lb	15.00	\$ 1.00	\$ 15.00	_____
No-Till Drill, Rental		acre	1.00	\$ 8.00	\$ 8.00	_____
Fertilizer	N	lb	30.00	\$ 0.48	\$ 14.40	_____
	P2O5	lb	60.00	\$ 0.34	\$ 20.40	_____
	K2O	lb	60.00	\$ 0.23	\$ 13.80	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
Lime	Custom Application	ton	2.00	\$ 21.00	\$ 42.00	_____
Weed Control						
Burndown <sup>2</sup>	Gramoxone Max	pt	1.50	\$ 4.91	\$ 7.37	_____
	Surfactant	pt	0.50	\$ 1.63	\$ 0.82	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
Machinery						
Fuel		acre	1.00	\$ 3.03	\$ 3.03	_____
Oil & Filter		acre	1.00	\$ 0.45	\$ 0.45	_____
Repairs & Maintenance		acre	1.00	\$ 1.00	\$ 1.00	_____
Interest on Operating Capital 6 Months		acre	\$ 131.78	8.0%	\$ 5.27	_____
<b>Total Variable Expenses</b>					\$ 141.53	_____
<b>Fixed Expenses</b>						
Machinery						
Depreciation		acre	1.00	\$ 0.60	\$ 0.60	_____
Interest		acre	1.00	\$ 0.72	\$ 0.72	_____
Housing & Insurance		acre	1.00	\$ 0.05	\$ 0.05	_____
<b>Total Fixed Expenses</b>					\$ 1.37	_____
<b>Labor Expenses</b>						
Labor <sup>3</sup>		hour	0.59	\$ 8.50	\$ 4.99	_____
<b>Total Establishment Expenses</b>					\$ 147.90	_____
Prorated Share		year	6.00	8.0%	\$ 31.99	_____

**Footnotes:**

<sup>1</sup>Seed variety selection should be based on harvest method (grazing, hay or haylage).

<sup>2</sup>Other herbicides may also be required, depending on the weeds present prior to establishment.

<sup>3</sup>Labor expense is \$8.50 per hour, including wages, Social Security and Medicaid taxes and payroll administration costs.

**Cool Season Grass, No-Till Establishment  
Estimated Machinery and Labor Requirements per Acre**

Month	Operation	Power Unit	Implement	Hours per Acre	
				Machine	Labor
Sep	Burndown (Gramoxone Max)	Custom	Custom	---	---
Sep	Fertilize & Lime	Custom	Custom	---	---
Sep	Plant	Tractor, 70 hp	No-Till Drill, Rental	0.47	0.59
<b>Total</b>					<b>0.59</b>

**Estimated Machinery Expenses per Acre**

Machine	Hours per Acre	Variable Cost			Total Variable Costs	Fixed Cost			Total Fixed Costs
		Fuel	Oil & Filter	Repairs	Depreciation	Interest	Housing & Insurance		
Tractor, 70 hp	0.47	3.03	0.45	1.00	4.48	0.60	0.72	0.05	1.37
<b>Total</b>		<b>\$ 3.03</b>	<b>\$ 0.45</b>	<b>\$ 1.00</b>	<b>\$ 4.48</b>	<b>\$ 0.60</b>	<b>\$ 0.72</b>	<b>\$ 0.05</b>	<b>\$ 1.37</b>
<b>Total Machinery Cost</b>									<b>\$ 5.85</b>