

**Alfalfa, Intensive Grazing  
Estimated Expenses per Acre**

Item	Description	Unit	Quantity	Price	Amount (\$/acre)	Your Farm
<b>Variable Expenses</b>						
Fertilizer	P2O5	lb	60.00	\$ 0.34	\$ 20.40	_____
	K2O	lb	190.00	\$ 0.23	\$ 43.70	_____
	Boron	lb	2.00	\$ 2.38	\$ 4.76	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
Lime <sup>1</sup>	Custom Application	ton	0.67	\$ 21.00	\$ 14.07	_____
Insect Control <sup>2</sup>	Furadan 4F	pt	2.00	\$ 9.23	\$ 18.46	_____
Weed Control						
Post-Emerge	Poast Plus <sup>3</sup>	pt	1.50	\$ 2.04	\$ 3.06	_____
	Crop Oil	pt	2.00	\$ 1.73	\$ 3.46	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
	2,4-DB <sup>4</sup>	pt	1.00	\$ 2.05	\$ 2.05	_____
	Custom Application	acre	0.25	\$ 5.00	\$ 1.25	_____
Dormant Spray	Gramoxone Max	pt	1.00	\$ 4.91	\$ 4.91	_____
	Surfactant	pt	0.50	\$ 1.63	\$ 0.82	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
Machinery						
Fuel		acre	1.00	\$ 3.20	\$ 3.20	_____
Oil & Filter		acre	1.00	\$ 0.48	\$ 0.48	_____
Repairs & Maintenance		acre	1.00	\$ 2.84	\$ 2.84	_____
Fence Repairs		acre	1.00	\$ 6.86	\$ 6.86	_____
Interest on Operating Capital	6 months	acre	\$ 145.32	8.0%	\$ 5.81	_____
<b>Total Variable Expenses</b>					\$ 151.13	_____
<b>Fixed Expenses</b>						
Establishment Cost	Prorated over 4 years	acre	1.00	\$ 50.31	\$ 50.31	_____
Machinery						
Depreciation		acre	1.00	\$ 1.21	\$ 1.21	_____
Interest		acre	1.00	\$ 1.67	\$ 1.67	_____
Housing & Insurance	Machinery & Equipment	acre	1.00	\$ 0.19	\$ 0.19	_____
Fencing						
Depreciation	Perimeter Fence	acre	1.00	\$ 6.94	\$ 6.94	_____
Depreciation	Divider Fence	acre	1.00	\$ 6.50	\$ 6.50	_____
Interest	Perimeter Fence	acre	1.00	\$ 5.56	\$ 5.56	_____
Interest	Divider Fence	acre	1.00	\$ 1.30	\$ 1.30	_____
<b>Total Fixed Expenses</b>					\$ 73.68	_____
<b>Labor Expenses</b>						
Labor <sup>5,6</sup>		hour	0.73	\$ 8.50	\$ 6.17	_____
<b>Total Budgeted Expenses</b>					\$ 230.98	_____

**Footnotes:**

<sup>1</sup>Lime is applied at the rate of 2 tons every 3 years.

<sup>2</sup>Other materials may be used at slightly less cost, but do not appear as effective.

<sup>3</sup>Poast Plus is included for control of crabgrass, which is a common problem. If johnsongrass is a problem, Select may be used.

<sup>4</sup>Applied once every four years.

<sup>5</sup>Labor expense is \$8.50 per hour, including wages, Social Security and Medicaid taxes and payroll administration costs.

<sup>6</sup>Labor for managing livestock grazing is not included in this budget. Hours devoted to moving cattle and fences should be included in livestock enterprise analyses.

**Alfalfa, Intensive Grazing**  
**Estimated Machinery and Labor Requirements per Acre**

Month	Operation	Power Unit	Implement	Hours per Acre	
				Machine	Labor
Feb	Fertilize	Custom	Custom	---	---
Mar	Insect Control	Tractor, 60 hp	Boom Sprayer, 20'	0.07	0.08
May	Post-Emerge (Poast Plus)	Custom	Custom	---	---
May	Post-Emerge (2,4-DB)	Custom	Custom	---	---
Jun	Mow	Tractor, 60 hp	Rotary Mower, 10'	0.26	0.32
Aug	Mow	Tractor, 60 hp	Rotary Mower, 10'	0.26	0.32
Oct	Lime	Custom	Custom	---	---
Dec	Spray (Gramoxone Max)	Custom	Custom	---	---
				<b>Total</b>	<b>0.73</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, 60 hp	0.58	3.20	0.48	1.02	4.71	0.62	0.73	0.06	1.41
Rotary Mower, 10'	0.52	0.00	0.00	1.77	1.77	0.53	0.86	0.13	1.52
Boom Sprayer, 20'	0.07	0.00	0.00	0.05	0.05	0.06	0.07	0.01	0.14
<b>Total</b>		\$ 3.20	\$ 0.48	\$ 2.84	\$ 6.52	\$ 1.21	\$ 1.67	\$ 0.19	\$ 3.07
<b>Total Machinery Cost</b>									<b>\$ 9.60</b>