

**Alfalfa, No-Till Establishment  
Estimated Expenses per Acre**

Item	Description	Unit	Quantity	Price	Amount (\$/acre)	Your Farm
<b>Variable Expenses</b>						
Alfalfa Seed <sup>1</sup>	Pre-inoculated	lb	20.00	\$ 3.09	\$ 61.80	_____
Fertilizer	N	lb	15.00	\$ 0.48	\$ 7.20	_____
	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	Custom Application	ton	2.00	\$ 21.00	\$ 42.00	_____
Weed Control						
Burndown	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	_____
Post-Emerge	2,4-DB	pt	4.00	\$ 4.26	\$ 17.04	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
	Poast Plus <sup>2</sup>	pt	1.50	\$ 6.50	\$ 9.75	_____
	Crop Oil	pt	2.00	\$ 1.73	\$ 3.46	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
Twine		bale	80.00	\$ 0.04	\$ 3.31	_____
Machinery						
Fuel		acre	1.00	\$ 15.85	\$ 15.85	_____
Oil & Filter		acre	1.00	\$ 2.55	\$ 2.55	_____
Repairs & Maintenance		acre	1.00	\$ 19.21	\$ 19.21	_____
Interest on Operating Capital 6 Months		acre	\$ 238.29	8.0%	\$ 9.53	_____
				<b>Total Variable Expenses</b>	\$ 288.73	_____
<b>Fixed Expenses</b>						
Machinery						
Depreciation		acre	1.00	\$ 12.33	\$ 12.33	_____
Interest		acre	1.00	\$ 16.00	\$ 16.00	_____
Housing & Insurance		acre	1.00	\$ 1.55	\$ 1.55	_____
				<b>Total Fixed Expenses</b>	\$ 29.87	_____
<b>Labor Expenses</b>						
Labor <sup>3</sup>		hour	3.30	\$ 8.50	\$ 28.01	_____
				<b>Total Establishment Expenses</b>	\$ 346.62	_____
Credit for hay <sup>4</sup>		ton	2.00	\$ 90.00	\$ 180.00	_____
				<b>Net Establishment Expenses</b>	\$ 166.62	_____
Prorated Share		year	4.00	8.0%	\$ 50.31	_____

**Footnotes:**

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

<sup>2</sup>Poast Plus is included for control of crabgrass, which is a common problem. If johnsongrass is a problem, Select may be used.

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

<sup>4</sup>A partial crop is harvested during the establishment period. The value of this crop is used to partially offset establishment costs. The balance, plus interest, is recovered over the stand-life of 4 years.

**Alfalfa, No-Till Establishment**  
**Estimated Machinery and Labor Requirements per Acre**

Month	Operation	Power Unit	Implement	Hours per Acre	
				Machine	Labor
Mar	Fertilize & Lime	Custom	Custom	---	---
Apr	Burndown (Gramoxone Max)	Custom	Custom	---	---
Apr	Plant	Tractor, 70 hp	No-Till Drill, 10'	0.47	0.59
May	Post-Emerge (2-4,DB)	Custom	Custom	---	---
May	Post-Emerge (Poast Plus)	Custom	Custom	---	---
Jul	Mow	Tractor, 70 hp	Mower-Conditioner, 9'	0.37	0.46
Jul	Rake, 18'	Tractor, 70 hp	Rake, 18'	0.19	0.24
Jul	Bale	Tractor, 70 hp	Baler, Square	0.35	0.44
Jul	Stack & Move	Tractor, 70 hp	Bale Wagon, Pull Type	0.17	0.22
Aug	Mow	Tractor, 70 hp	Mower-Conditioner, 9'	0.37	0.46
Aug	Rake, 18'	Tractor, 70 hp	Rake, 18'	0.19	0.24
Aug	Bale	Tractor, 70 hp	Baler, Square	0.35	0.44
Aug	Stack & Move	Tractor, 70 hp	Bale Wagon, Pull Type	0.17	0.22
				<b>Total</b>	<b>3.30</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	2.64	15.85	2.55	5.59	23.99	3.38	4.02	0.30	7.71
No-Till Drill, 10'	0.47	0.00	0.00	5.05	5.05	1.91	3.15	0.24	5.30
Mower-Conditioner, 9'	0.74	0.00	0.00	3.76	3.76	2.03	3.31	0.27	5.62
Rake, 18'	0.38	0.00	0.00	0.27	0.27	0.22	0.25	0.07	0.54
Baler, Square	0.70	0.00	0.00	3.40	3.40	3.08	3.38	0.40	6.87
Bale Wagon, Pull Type	0.35	0.00	0.00	1.14	1.14	1.70	1.88	0.26	3.84
<b>Total</b>		<b>\$ 15.85</b>	<b>\$ 2.55</b>	<b>\$ 19.21</b>	<b>\$ 37.60</b>	<b>\$ 12.33</b>	<b>\$ 16.00</b>	<b>\$ 1.55</b>	<b>\$ 29.87</b>
<b>Total Machinery Cost</b>									<b>\$ 67.48</b>