

Alfalfa, Traditional Establishment
Estimated Expenses per Acre

Item	Description	Unit	Quantity	Price	Amount (\$/acre)	Your Farm
Variable Expenses						
Alfalfa Seed ¹	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						
Post-Emerge	2,4-DB	pt	4.00	\$ 4.26	\$ 17.04	_____
	Custom Application	acre	1.00	\$ 5.00	\$ 5.00	_____
	Poast Plus ²	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	\$ 23.28	\$ 23.28	_____
Oil & Filter		acre	1.00	\$ 3.49	\$ 3.49	_____
Repairs & Maintenance		acre	1.00	\$ 19.07	\$ 19.07	_____
Interest on Operating Capital	6 Months	acre	\$ 274.25	8.0%	\$ 10.97	_____
					Total Variable Expenses	\$ 285.22 _____
Fixed Expenses						
Machinery						
Depreciation		acre	1.00	\$ 14.34	\$ 14.34	_____
Interest		acre	1.00	\$ 17.95	\$ 17.95	_____
Housing & Insurance		acre	1.00	\$ 1.79	\$ 1.79	_____
					Total Fixed Expenses	\$ 34.08 _____
Labor Expenses						
Labor ³		hour	3.98	\$ 8.50	\$ 33.79	_____
					Total Establishment Expenses	\$ 353.10 _____
Credit for hay ⁴		ton	2.00	\$ 90.00	\$ 180.00	_____
					Net Establishment Expenses	\$ 173.10 _____
Prorated Share		year	4.00	8.0%	\$ 52.26	_____

Footnotes:

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

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

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

⁴A 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, Traditional Establishment
Estimated Machinery and Labor Requirements per Acre

Month	Operation	Power Unit	Implement	Hours per Acre	
				Machine	Labor
Mar	Chisel	Tractor, 100 hp	Chisel Plow, 9'	0.22	0.27
Mar	Disk, 2X	Tractor, 100 hp	Disk, 12'	0.34	0.43
Mar	Fertilize & Lime	Custom	Custom	---	---
Apr	Disk & Cultimulch	Tractor, 100 hp	Disk, 12' Cultimulcher, 12'	0.17	0.21
Apr	Plant	Tractor, 100 hp	Cultipacker-Seeder, 10'	0.28	0.35
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
				Total	3.98

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, 100 hp	1.01	9.33	1.40	3.75	14.48	2.72	3.41	0.18	6.31
Tractor, 70 hp	2.17	13.95	2.09	4.59	20.63	2.78	3.31	0.25	6.33
Chisel Plow, 9'	0.22	0.00	0.00	0.21	0.21	0.09	0.19	0.02	0.30
Disk, 12'	0.52	0.00	0.00	0.96	0.96	1.25	1.31	0.21	2.77
Cultimulcher, 12'	0.17	0.00	0.00	0.51	0.51	0.21	0.47	0.08	0.76
Cultipacker-Seeder, 10'	0.28	0.00	0.00	0.47	0.47	0.26	0.43	0.05	0.75
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
Total		\$ 23.28	\$ 3.49	\$ 19.07	\$ 45.83	\$ 14.34	\$ 17.95	\$ 1.79	\$ 34.08
Total Machinery Cost									\$ 79.91