

2024 UNL #010 Alfalfa, Irrigated-Pivot Elec., Large and Small Square Bales - 2024

Total acres: 135 Yield per acre: 6.7 tons

Economic Enterprise Budget

Category	amt applied	cost per unit	cost per acre	Enterprise Total
Revenue		Value / ton	Value / acre	Total
Total Gross Revenue	Add Revenue		\$ ---	\$ ---
Operating Costs	Amount / acre	Cost / unit	Cost / acre	Total
▼ Seed			\$0.00	\$0.00
▼ Fertilizer			\$30.00	\$4,050.00
11-52-0	75 pound	\$0.40 / pound	\$30.00	\$4,050.00
▼ Pesticide			\$11.49	\$1,550.60
UAN	0.5 pint	\$2.00 / gallon	\$0.13	\$17.55
Crop Oil Concentrate	0.4 pint	\$13.00 / gallon	\$0.65	\$87.75
Mustang Maxx	0.6 ounce	\$240.00 / gallon	\$1.13	\$152.55
Pursuit	0.75 ounce	\$500.00 / gallon	\$2.93	\$395.55
Brox 2EC	0.25 pint	\$53.00 / gallon	\$1.66	\$224.10
Chateau SW	1 ounce	\$80.00 / pound	\$5.00	\$675.00
▼ Custom Services			\$16.40	\$2,214.00
Load large square	100 %	\$16.40 / acre	\$16.40	\$2,214.00
▼ Labor			\$73.88	\$9,974.21
Labor (Paid)			\$73.88	\$9,974.21
Labor (Unpaid)			\$0.00	\$0.00
Reconciled Labor			\$0.00	\$0.00
▼ Fuel and Energy			\$98.14	\$13,249.18
Originally Allocated			\$98.14	\$13,249.18
Reconciled Difference			\$0.00	\$0.00
▼ Repairs and Maintenance			\$53.42	\$7,211.22
Originally Allocated			\$53.42	\$7,211.22
Reconciled Difference			\$0.00	\$0.00
▼ Other:			\$86.67	\$11,700.40
Additional Irrigation Charges			\$0.00	\$0.00
Crop Insurance			\$0.00	\$0.00
Crop Marketing		\$0.00	\$0.00	\$0.00
Crop Scouting			\$0.00	\$0.00
Crop Drying		\$0.00	\$0.00	\$0.00
Crop Storage		\$0.00	\$0.00	\$0.00
Other Materials			\$86.67	\$11,700.40
Interest on Operating Capital			\$13.87	\$1,873.11
Total Operating Costs		\$57.29/ton	\$383.87	\$51,822.71
Net Return Above Total Operating		\$ ---	\$ ---	\$ ---
Ownership and Overhead Costs		Cost / ton	Cost / acre	Total
General Overhead			\$33.00	\$4,455.00
Facility Cash Costs			\$0.00	\$0.00
Vehicle Cash Costs			\$0.00	\$0.00
▼ Land Rent:			\$0.00	\$0.00
Cash Rent			\$0.00	\$0.00
Allocated Land Rent			\$0.00	\$0.00
▼ Real Estate Taxes:			\$109.50	\$14,782.50
Direct R.E. Taxes			\$109.50	\$14,782.50
Indirect R.E. Taxes			\$0.00	\$0.00
Equipment Depreciation			\$129.94	\$17,542.47
Facility Depreciation			\$0.00	\$0.00
Equipment Opportunity Cost			\$34.76	\$4,692.69

Category	amt applied	cost per unit	cost per acre	Enterprise Total
Facility Opportunity Cost			\$0.00	\$0.00
Land Opportunity Cost			\$263.00	\$35,505.00
Total Ownership and Overhead Costs		\$85.11/ton	\$570.20	\$76,977.66
Total Economic Cost		\$142.40/ton	\$954.08	\$128,800.37
Net Return Above Total Costs		\$ ---	\$ ---	\$ ---

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Total acres: 135

Yield per acre: 6.7 tons

Field Operation Costs / Acre

Field Operation	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
Spread fertilizer	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	2.75	2.18	0.83	2.65	1.10	
UNL Fertilizer Spreader			1.07	2.00	0.73	
	\$2.75	\$2.18	\$1.90	\$4.65	\$1.83	\$13.31
Swath /Condition Hay	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Windrower	9.90	7.86	4.75	30.22	3.19	
UNL Mower-conditioner			3.27	18.00	3.15	
	\$9.90	\$7.86	\$8.02	\$48.22	\$6.34	\$80.34
Turn windrows	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	2.75	2.18	0.83	2.65	1.10	
UNL Rake			0.23	1.00	0.21	
	\$2.75	\$2.18	\$1.06	\$3.65	\$1.31	\$10.95
Double windrows	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	4.13	3.27	1.25	3.97	1.65	
UNL Rake			0.35	1.50	0.32	
	\$4.13	\$3.27	\$1.59	\$5.47	\$1.96	\$16.42
Bale large square	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	16.50	13.09	5.00	15.88	6.59	
UNL Baler - Large Square			14.40	11.26	3.43	
	\$16.50	\$13.09	\$19.40	\$27.13	\$10.02	\$86.15
Spray herbicide	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	0.24	0.19	0.07	0.23	0.10	
UNL Boom Sprayer			0.27	0.48	0.13	
	\$0.24	\$0.19	\$0.34	\$0.72	\$0.22	\$1.72
Bale small square	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	16.50	13.09	5.00	15.88	6.59	
UNL Baler - Small Square			5.65	10.48	1.22	
	\$16.50	\$13.09	\$10.65	\$26.35	\$7.81	\$74.40
Load small square	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	3.30	2.62	1.00	3.17	1.32	
UNL Bale Mover			0.28	0.59	0.15	
	\$3.30	\$2.62	\$1.28	\$3.76	\$1.46	\$12.43
Spray insecticide	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	0.19	0.15	0.06	0.19	0.08	
UNL Boom Sprayer			0.21	0.39	0.10	
	\$0.19	\$0.15	\$0.27	\$0.57	\$0.18	\$1.37
UNL Pivot E 125' Lift	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
System	17.62		5.93	6.56	2.46	
Pump			1.48	0.89	0.33	
Power Unit		53.50	1.48	0.74	0.28	
Well			0.00	1.23	0.56	
	\$17.62	\$53.50	\$8.89	\$9.42	\$3.63	\$93.05
Operations Totals:	\$73.88	\$98.14	\$53.42	\$129.94	\$34.76	\$390.15

Machine costs shown in this report do not include taxes, housing, insurance or licensing costs. 'THILM' expenses may be entered in detail for your own enterprises as cash overhead costs and summarized in 'Ownership and Overhead' costs.

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Purchased Materials, Inputs, and Services

Operation / Name	% of acres Applied	Qty Applied / acre	Cost / unit	Total \$ / acre
Spread fertilizer	% acres	qty / acre	cost / unit	total / acre
11-52-0	100 %	75 pound	\$0.40/ pound	30.00
				\$30.00
Bale large square	% acres	qty / acre	cost / unit	total / acre
Twine Large Square	100 %	4.467 ton	\$1.83/ ton	8.17
				\$8.17
Load large square (Custom Service)	% acres	qty / acre	cost / unit	total / acre
Load large square	100 %		\$14.76/ acre	14.76
				\$14.76
Spray herbicide	% acres	qty / acre	cost / unit	total / acre
Pursuit	25 %	3 ounce	\$500.00/ gallon	2.93
Crop Oil Concentrate	25 %	1.6 pint	\$13.00/ gallon	0.65
UAN	25 %	2 pint	\$2.00/ gallon	0.13
Brox 2EC	25 %	1 pint	\$53.00/ gallon	1.66
Chateau SW	25 %	4 ounce	\$80.00/ pound	5.00
				\$10.36
Bale small square	% acres	qty / acre	cost / unit	total / acre
Twine small square	100 %	2.233 ton	\$15.00/ ton	33.50
				\$33.50
Spray insecticide	% acres	qty / acre	cost / unit	total / acre
Mustang Maxx	20 %	3 ounce	\$240.00/ gallon	1.13
				\$1.13
UNL Pivot E 125' Lift	% acres	qty / acre	cost / unit	total / acre
Electricity Fixed	100.0 %	1 acre	\$45.00/ acre	45.00
				\$45.00
			Material, Input, and Service Total:	\$142.92