# 2024 UNL #014 Alfalfa, Gravity Irr. Roundup Ready, Large Square Bales - 2024 Total acres: 50 Yield per acre: 6.8 tons

### Economic Enterprise Budget

11-52-0       80 pound       \$0.40 / pound       \$32.00       \$33.43         21-0-0-24S       1.7 pound       \$0.40 / pound       \$0.68         Mustang Maxx       0.6 ounce       \$24.00.0 / gallon       \$1.13         Raptor       4 ounce       \$600.00 / gallon       \$1.13         Baytor       4 ounce       \$600.00 / gallon       \$18.75         Brox 2EC       1 pint       \$53.30 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Vastor Services       \$24.96       \$2       \$2         Load large square       6.8 ton       \$3.67 / ton       \$24.96       \$2         V Labor       \$71.66       \$2       \$0.00       \$0.00       \$0.00         Reconciled Labor       \$0.00       \$0.00       \$0.00       \$0.00       \$0.00         V Fuel and Energy       \$58.08       \$2       \$2       \$2       \$2       \$3<	Total \$ Fotal \$0.00 \$1,600.00 \$1,600.00 \$1,671.50 \$34.00 \$56.50
Operating Costs         Amount / acre         Cost / unit         Cost / acre           v Seed         \$0.00         \$0.00         \$32.00         \$32.00         \$32.00         \$32.00         \$32.00         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$33.43         \$32.00         \$32.00         \$33.43         \$32.00         \$32.00         \$33.43         \$32.00         \$32.00         \$33.43         \$32.00         \$32.00         \$33.43         \$32.00         \$32.00         \$31.13         \$32.00         \$31.13         \$32.00         \$30.00         \$56.33         \$32.00         \$31.07         \$31.70         \$\$24.96         \$32.00         \$32.00         \$30.00         \$56.03         \$32.00         \$30.00         \$31.67         \$571.66         \$32.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00         \$30.00 <td>Total \$0.00 \$1,600.00 \$1,600.00 \$1,671.50 \$34.00</td>	Total \$0.00 \$1,600.00 \$1,600.00 \$1,671.50 \$34.00
Y Seed         \$0.00           Y Fertilizer         \$32.00<	<b>\$0.00</b> <b>\$1,600.00</b> \$1,600.00 <b>\$1,671.50</b> \$34.00
Fertilizer       \$32.00       \$32.00       \$32.00       \$32.00       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$33.43       \$32.00       \$31.13       \$31.13       \$32.00       \$11.13       \$36.00       \$11.13       \$36.00       \$11.13       \$36.00       \$6.63       \$35.00 / gallon       \$16.63       \$35.00 / gallon       \$6.63       \$36.7       \$56.03       \$24.96       \$25.00 / gallon       \$6.25       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$24.96       \$25.00       \$26.00       \$26.00       \$26.00       \$26.00       \$26.00       \$26.00 </td <td><b>\$1,600.00</b> \$1,600.00 <b>\$1,671.50</b> \$34.00</td>	<b>\$1,600.00</b> \$1,600.00 <b>\$1,671.50</b> \$34.00
11-52-0       80 pound       \$0.40 / pound       \$32.00       \$33.43         21-0-0-24S       1.7 pound       \$0.40 / pound       \$0.68         Mustang Maxx       0.6 ounce       \$240.00 / gallon       \$1.13         Raptor       4 ounce       \$600.00 / gallon       \$1.13         Brox 2EC       1 pint       \$53.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Vation Services       \$24.96       \$24.96       \$24.96         Load large square       6.8 ton       \$3.67 / ton       \$24.96       \$24.96         V Labor       \$71.66       \$71.66       \$71.66       \$25         V Fuel and Energy       \$58.08       \$20.00       \$0.00         Reconciled Labor       \$0.00       \$0.00       \$0.00         V Repairs and Maintenance       \$0.00       \$0.00       \$0.00         Originally Allocated       \$50.34       \$50.04       \$0.00         Reconciled Difference       \$0.00       \$0.00       \$0.00         Vother:       \$50.00       \$0.00       \$0.00         Crop Insurance       \$0.00	\$1,600.00 <b>\$1,671.50</b> \$34.00
v Pesticide       \$33.43       \$3         21-0-0-24S       1.7 pound       \$0.40 / pound       \$0.68         Mustang Maxx       0.6 ounce       \$240.00 / gallon       \$1.13         Raptor       4 ounce       \$600.00 / gallon       \$1.13         Brox 2EC       1 pint       \$55.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         V custom Services       \$24.96       \$2         Load large square       6.8 ton       \$3.67 / ton       \$24.96       \$2         V Labor       \$71.66       \$2       \$2       \$24.96       \$2         Labor (Paid)       \$71.66       \$2       \$24.96       \$2       \$2         Labor (Unpaid)       \$71.66       \$2       \$2       \$2       \$6       \$2         V Fuel and Energy       \$58.08       \$2       \$2       \$2       \$5       \$2       \$3         Originally Allocated       \$55.034       \$2       \$2       \$3       \$2       \$3       \$2       \$3         V Other:       \$50.34       \$5       \$3       \$5       \$3       \$3       \$3       \$3       \$3       \$3       \$3       \$3       \$3	<b>\$1,671.50</b> \$34.00
v Pesticide       \$33.43       \$3         21-0-0-24S       1.7 pound       \$0.40 / pound       \$0.68         Mustang Maxx       0.6 ounce       \$240.00 / gallon       \$1.13         Raptor       4 ounce       \$600.00 / gallon       \$1.13         Brox 2EC       1 pint       \$53.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$22.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$24.96       \$2         Load large square       6.8 ton       \$3.67 / ton       \$24.96       \$2         Labor (Paid)       \$71.66       \$2       \$2       \$2       \$2         Labor (Unpaid)       \$71.66       \$2       \$2       \$6       \$2         Reconciled Labor       \$0.00       \$0.00       \$0.00       \$2       \$5       \$3       \$2         Originally Allocated       \$58.08       \$2       \$2       \$5       \$2       \$2       \$2       \$2       \$2       \$3         Vother:       \$50.34       \$5       \$5       \$5	<b>\$1,671.50</b> \$34.00
21-0-0-24S       1.7 pound       \$0.40 / pound       \$0.68         Mustang Maxx       0.6 ounce       \$240.00 / gallon       \$1.13         Raptor       4 ounce       \$600.00 / gallon       \$18.75         Brox 2EC       1 pint       \$53.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.25         V Custom Services       \$24.96       \$         Load large square       6.8 ton       \$3.67 / ton       \$24.96         V Labor       \$71.66       \$         Labor (Paid)       \$71.66       \$         Labor (Paid)       \$71.66       \$         Labor (Unpaid)       \$0.00       \$         Reconciled Labor       \$0.00       \$         V Fuel and Energy       \$\$88.08       \$         Originally Allocated       \$\$50.34       \$         Reconciled Difference       \$0.00       \$         V Other:       \$\$0.00       \$         Additional Irrigation Charges       \$0.00       \$         Crop Insurance       \$0.00       \$         Crop Insurance       \$0.00       \$	\$34.00
Mustang Maxx         0.6 ounce         \$240.00 / gallon         \$1.13           Raptor         4 ounce         \$600.00 / gallon         \$18.75           Brox 2EC         1 pint         \$53.00 / gallon         \$6.63           Roundup PowerMax 3         32 ounce         \$25.00 / gallon         \$6.25 <b>v Custom Services</b> \$24.96         \$24.96         \$24.96           Load large square         6.8 ton         \$3.67 / ton         \$24.96         \$24.96           Labor (Paid)         \$71.66         \$24.96         \$25.96         \$24.96         \$26.00	\$56.50
Raptor       4 ounce       \$600.00 / gallon       \$18.75         Brox 2EC       1 pint       \$53.00 / gallon       \$6.63         Roundup PowerMax 3       32 ounce       \$25.00 / gallon       \$6.25 <b>v Custom Services</b> \$24.96       \$         Load large square       6.8 ton       \$3.67 / ton       \$24.96       \$ <b>v Labor</b> \$71.66       \$       \$       \$         Labor (Paid)       \$71.66       \$	
Roundup PowerMax 3         32 ounce         \$25.00 / gallon         \$6.25           V Custom Services         \$24.96         \$24.96         \$24.96         \$24.96         \$25.00 / gallon         \$6.25           V Labor         \$6.8 ton         \$3.67 / ton         \$24.96         \$25.00 / gallon         \$6.25           V Labor         \$71.66         \$71.66         \$71.66         \$25.00 / gallon         \$6.25           Labor (Paid)         \$71.66         \$25.00         \$71.66         \$25.00         \$71.66         \$25.00           Labor (Unpaid)         \$71.66         \$50.00         \$71.66         \$25.00	\$937.50
V Custom Services\$24.96Load large square6.8 ton\$3.67 / ton\$24.96V Labor\$71.66\$71.66Labor (Paid)\$71.66\$0.00Reconciled Labor\$0.00\$0.00V Fuel and Energy\$58.08\$2Originally Allocated\$50.34\$2Reconciled Difference\$0.00\$0.00V Repairs and Maintenance\$50.34\$2Originally Allocated\$50.34\$2Reconciled Difference\$0.00\$0.00V Other:\$52.08\$2Additional Irrigation Charges\$0.00\$0.00Crop Insurance\$0.00\$0.00Crop Marketing\$0.00\$0.00Crop Drying\$0.00\$0.00Crop Drying\$0.00\$0.00Origo Scouting\$0.00\$0.00Origo Storage\$0.00\$0.00Other Materials\$52.08\$2	\$331.50
Load large square         6.8 ton         \$3.67 / ton         \$24.96         \$           V Labor         \$71.66         \$         \$         \$           Labor (Paid)         \$71.66         \$<	\$312.50
v Labor         \$71.66         \$           Labor (Paid)         \$0.00         \$0.00           Reconciled Labor         \$0.00         \$           v Fuel and Energy         \$58.08         \$           Originally Allocated         \$58.08         \$           Reconciled Difference         \$0.00         \$           v Repairs and Maintenance         \$         \$           Originally Allocated         \$         \$           Reconciled Difference         \$         \$           V Other:         \$         \$           Additional Irrigation Charges         \$         \$           Crop Insurance         \$         \$           Crop Marketing         \$         \$           Crop Drying         \$         \$           Crop Drying         \$         \$           Crop Storage         \$         \$           Other Materials         \$         \$	\$1,247.80
v Labor         \$71.66         \$           Labor (Paid)         \$71.66         \$           Labor (Unpaid)         \$0.00         \$           Reconciled Labor         \$0.00         \$           V Fuel and Energy         \$         \$           Originally Allocated         \$         \$           Reconciled Difference         \$         \$           V Repairs and Maintenance         \$         \$           Originally Allocated         \$         \$           Reconciled Difference         \$         \$           V Other:         \$         \$           Additional Irrigation Charges         \$         \$           Crop Insurance         \$         \$           Crop Marketing         \$         \$         0.00           Crop Drying         \$         \$         0.00           Oriop Storage         \$         <	\$1,248.00
Labor (Paid)\$71.66Labor (Unpaid)\$0.00Reconciled Labor\$0.00V Fuel and Energy\$58.08Originally Allocated\$58.08Reconciled Difference\$0.00V Repairs and Maintenance\$50.34Originally Allocated\$50.34Reconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Drying\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$3,582.95
Labor (Unpaid)       \$0.00         Reconciled Labor       \$0.00         V Fuel and Energy       \$58.08         Originally Allocated       \$58.08         Reconciled Difference       \$0.00         V Repairs and Maintenance       \$50.34         Originally Allocated       \$50.34         Reconciled Difference       \$0.00         V Other:       \$52.08         Additional Irrigation Charges       \$0.00         Crop Insurance       \$0.00         Crop Scouting       \$0.00         Crop Drying       \$0.00         Crop Storage       \$0.00         Other Materials       \$52.08	\$3,582.95
Reconciled Labor\$0.00V Fuel and Energy\$58.08Originally Allocated\$58.08Reconciled Difference\$0.00V Repairs and Maintenance\$50.34Originally Allocated\$50.34Peconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$0.00
Originally Allocated\$58.08Reconciled Difference\$0.00V Repairs and Maintenance\$50.34Originally Allocated\$50.34Reconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$0.00
Originally Allocated\$58.08Reconciled Difference\$0.00V Repairs and Maintenance\$50.34Originally Allocated\$50.34Reconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$2,903.75
Reconciled Difference\$0.00V Repairs and Maintenance\$50.34Originally Allocated\$50.34Peconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$2,903.75
<ul> <li>▼ Repairs and Maintenance Originally Allocated Reconciled Difference</li> <li>▼ Other:</li> <li>Additional Irrigation Charges Crop Insurance</li> <li>S 0.00</li> <li>♥ Other:</li> <li>\$ 0.00</li> <li>\$ 0.00<!--</td--><td>\$0.00</td></li></ul>	\$0.00
Originally Allocated\$50.34\$Reconciled Difference\$0.00 <b>v Other:\$52.08</b> Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$2,516.92
Reconciled Difference\$0.00V Other:\$52.08Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$2,516.92
▼ Other:\$52.08\$Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$0.00
Additional Irrigation Charges\$0.00Crop Insurance\$0.00Crop Marketing\$0.00Crop Scouting\$0.00Crop Drying\$0.00Crop Storage\$0.00Other Materials\$52.08	\$2,603.90
Crop Insurance         \$ 0.00           Crop Marketing         \$0.00           Crop Scouting         \$0.00           Crop Drying         \$0.00           Crop Storage         \$0.00           Other Materials         \$52.08	\$0.00
Crop Marketing         \$0.00         \$0.00           Crop Scouting         \$0.00         \$0.00           Crop Drying         \$0.00         \$0.00           Crop Storage         \$0.00         \$0.00           Other Materials         \$52.08         \$	\$0.00
Crop Scouting         \$0.00           Crop Drying         \$0.00           Crop Storage         \$0.00           Other Materials         \$52.08	\$0.00
Crop Drying         \$0.00         \$0.00           Crop Storage         \$0.00         \$0.00           Other Materials         \$52.08         \$52.08	\$0.00
Other Materials \$52.08	\$0.00
	\$0.00
Interest on Operating Capital \$12.10	\$2,603.90
	\$604.76
Total Operating Costs\$49.21/ton\$334.63\$	16,731.58
Net Return Above Total Operating\$\$	\$
Ownership and Overhead Costs         Cost / ton         Cost / acre	Tota
General Overhead \$33.00	\$1,650.00
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: \$98.81	\$4,940.50
	\$4,940.50
Indirect R.E. Taxes \$0.00	\$0.00
Facility Depreciation \$0.00	\$5,267.72
	\$5,267.72 \$0.00
Facility Opportunity Cost \$0.00	\$5,267.72\$ \$0.00 \$2,885.00
Land Opportunity Cost\$237.00\$\$	\$5,267.72 \$0.00

Category	amt applied	cost per unit	cost per acre	Enterprise Total
Total Ownership and Overhead Costs		\$78.22/ton	\$531.86	\$26,593.21
Total Economic Cost		\$127.43/ton	\$866.50	\$43,324.79
Net Return Above Total Costs		\$	\$	\$

## 2024 UNL #014 Alfalfa, Gravity Irr. Roundup Ready, Large Square Bales - 2024 Total acres: 50 Yield per acre: 6.8 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	8.25	6.55	3.96	25.19	2.66	
UNL Mower-conditioner			2.73	15.00	2.63	
	\$8.25	\$6.55	\$6.69	\$40.19	\$5.28	\$66.95
Spray Herbicide	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Medium Tractor >80 hp	0.97	0.77	0.29	0.93	0.39	
UNL Boom Sprayer			1.07	1.93	0.51	
	\$0.97	\$0.77	\$1.36	\$2.86	\$0.90	\$6.87
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
Bale Large Square	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Large Tractor >150 hp	24.75	32.73	5.63	18.00	27.90	
UNL Baler - Large Square			21.60	16.89	5.15	
	\$24.75	\$32.73	\$27.23	\$34.89	\$33.05	\$152.64
Double Windrows	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Large Tractor >150 hp	5.50	7.27	1.25	4.00	6.20	
UNL Rake			0.46	2.00	0.42	
	\$5.50	\$7.27	\$1.71	\$6.00	\$6.62	\$27.10
Corrugate	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
UNL Large Tractor >150 hp	4.71	6.23	1.07	3.43	5.31	
UNL Corrugator			2.71	8.00	2.64	
	\$4.71	\$6.23	\$3.78	\$11.43	\$7.95	\$34.11
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 Gravity Irrigated-Canal Fed- Panhandle	Labor	Fuel	Repairs	Deprec.	Opp.	Total / acre
System	21.78		2.67	0.00	0.00	
Pump			2.00	0.56	0.29	
Power Unit		0.00	1.67	0.56	0.29	
Well			0.00	0.00	0.00	
	\$21.78	\$0.00	\$6.33	\$1.12	\$0.58	\$29.81
Operations Totals:	\$71.66	\$58.08	\$50.34	\$105.35	\$57.70	\$343.13

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.

# 2024 UNL #014 Alfalfa, Gravity Irr. Roundup Ready, Large Square Bales - 2024 Total acres: 50 Yield per acre: 6.8 tons

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 %	80 pound	\$0.40/ pound	32.00
				\$32.00
Spray Herbicide	% acres	qty / acre	cost / unit	total / acre
Brox 2EC	100 %	1 pint	\$53.00/ gallon	6.63
Roundup PowerMax 3	100 %	32 ounce	\$25.00/ gallon	6.25
21-0-0-24S	100 %	1.7 pound	\$0.40/ pound	0.68
Raptor	100 %	4 ounce	\$600.00/ gallon	18.75
			Ū	\$32.30
Bale Large Square	% acres	qty / acre	cost / unit	total / acre
Twine Large Square	100 %	6.6 ton	\$1.83/ ton	12.08
5				\$12.08
Spray Insecticide	% acres	qty / acre	cost / unit	total / acre
Mustang Maxx	20 %	3 ounce	\$240.00/ gallon	1.13
			-	\$1.13
Load Large Square (Custom Service)	% acres	qty / acre	cost / unit	total / acre
Load large square	100 %		\$2.94/ ton	19.99
-				\$19.99
UNL Gravity Irrigated-Canal Fed- Panhandle	% acres	qty / acre	cost / unit	total / acre
Irrigation District O & M Charge	100.0 %	1 acre	\$40.00/ acre	40.00
		Material, Input, a	nd Service Total:	\$40.00 \$137.50