

2018 Nebraska Crop Budgets

Developed and
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Note: These budget projections were created using assumptions thought to be valid for many Nebraska producers; however, each farming operation is unique. These budgets are being released in both Adobe PDF and Excel® worksheet formats. The worksheet format allows producers to modify them to match their specific situation. The danger of releasing a tool that can subsequently be modified is that there is no way to verify whether alterations were made or unrealistic data was entered. Users of this tool are responsible for independently verifying all results prior to relying on them. Original files for these budgets are available at <http://extension.unl.edu/publications> and on <http://cropwatch.unl.edu/economics/budgets>.

Additional Resource Persons

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**2018 Budget 9-Alfalfa, Large Round Bale (4.4 ton Actual Yield)
Dryland**

Field Operations		Times or Qty	Labor @ Unit \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1	1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2	Swath/Condition Hay	4	8.00	5.64	9.23	1.41	13.33	33.40	71.01	
3	Turn Windrows	1	1.67	0.49	0.72	0.00	2.25	0.00	5.13	
4	Double Windrows	3	3.30	0.89	1.30	0.16	4.04	1.11	10.80	
5	Large Round Bale	4.4 ton	9.68	3.57	3.80	4.73	11.86	4.55	38.19	
6	Move Large Round	4.4 ton	4.84	2.48	1.90	0.00	5.93	0.25	15.40	
7	Spray Insecticide	0.25	0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			29.31	14.00	17.72	7.10	39.80	41.02	148.95	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	1	100%	75 pound	0.24	18.00	
Twine Large Round	Other	5	100%	4.4 ton	0.91	4.00	
Mustang Max EC	Insecticide	7	25%	3 ounce	1.41	1.05	
Total Materials & Services						23.05	

Total listed costs for Field Operations and Materials and Services		172.00
Interest on Operations Capital \$ 91.18 cash expense @ 5.50% for 6.0 mo.		2.51
Total Operating and Use Related Ownership Costs		174.51
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity Dryland (State) \$ 3,145 per acre @ 3.00%		94.35
Real Estate Taxes \$ 3,145 per acre @ 1.00%		31.45
Total Cost per Acre Including Overhead		320.31
Cost per ton		72.80
Cash Cost per ton		21.29

**2018 Budget 10-Alfalfa, Large and Small Square Bale (6.7 ton Actual Yield)
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2 Swath/Condition Hay	4		8.00	5.64	9.23	1.41	13.33	33.40	71.01	
3 Turn Windrows	1		1.67	0.49	0.72	0.00	2.25	0.00	5.13	
4 Double Windrows	4		4.40	1.19	1.73	0.22	5.39	1.48	14.41	
5 Large Square Bale	4.5	ton	6.14	4.87	2.41	2.58	7.53	24.86	48.39	
6 Load Large Square	Custom	ton								
7 Bale Small Square	2.2	ton	12.28	5.51	4.82	8.75	15.05	2.02	48.43	
8 Stack Small Square	2.2	ton	4.47	1.26	1.93	0.00	6.02	0.00	13.68	
9 Pivot E 125' Lift	16	ai	11.11	46.72	4.68	25.82	8.20	14.17	110.70	
10 Spray Herbicide	0.25		0.25	0.07	0.09	0.07	0.27	0.01	0.76	
11 Spray Insecticide	0.25		0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			50.14	66.68	26.38	39.65	60.43	77.65	320.93	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	67%	4.467 ton	1.81	5.38	
Load Large Square Bales	Custom	6	100%	4.467 ton	2.94	13.12	
Twine Small Square	Other	7	33%	2.233 ton	2.33	1.74	
Electricity Fixed	Other	9	100%	1 acre	30.00	30.00	
Pursuit	Herbicide	10	25%	4.5 ounce	3.75	4.22	
Crop Oil Concentrate	Additive	10	25%	1.6 pint	1.04	0.42	
UAN	Additive	10	25%	2 pint	0.16	0.08	
Mustang Max EC	Insecticide	11	25%	3 ounce	1.41	1.05	
Total Materials & Services						74.01	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 256.86 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

Overhead (accounting, liability insurance, vehicle cost, office expense)

Real Estate Opportunity \$ 6,295 per acre @ 3.00%
Real Estate Taxes \$ 6,295 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

394.94	
7.06	
402.00	
20.00	
188.85	
62.95	
673.80	
100.57	
39.39	

**2018 Budget 11-Alfalfa, Roundup Ready®, Large and Small Square Bale (6.8 ton Actual Yield)
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2 Swath/Condition Hay	4		8.00	5.64	9.23	1.41	13.33	33.40	71.01	
3 Turn Windrows	1		1.67	0.49	0.72	0.00	2.25	0.00	5.13	
4 Double Windrows	4		4.40	1.19	1.73	0.22	5.39	1.48	14.41	
5 Large Square Bale	4.5	ton	6.23	4.94	2.45	2.62	7.64	25.23	49.11	
6 Load Lg Sq		Custom ton								
7 Bale Small Square	2.3	ton	12.47	5.59	4.89	8.88	15.28	2.05	49.16	
8 Stack Small Square	2.3	ton	4.53	1.28	1.96	0.00	6.11	0.00	13.88	
9 Pivot E 125' Lift	16	ai	11.11	46.72	4.68	25.82	8.20	14.17	110.70	
10 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
11 Spray Insecticide	0.25		0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			51.23	67.08	26.78	40.04	61.67	78.08	324.88	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	67%	4.53 ton	1.81	5.46	
Load Large Square Bales	Custom	6	100%	4.53 ton	2.94	13.31	
Twine Small Square	Other	7	33%	2.27 ton	2.33	1.76	
Electricity Fixed	Other	9	100%	1 acre	30.00	30.00	
Roundup WeatherMax	Herbicide	10	100%	44 ounce	0.25	11.00	
21-0-0-24S	Additive	10	100%	1.7 pound	0.28	0.48	
Mustang Max EC	Insecticide	11	25%	3 ounce	1.41	1.05	
Total Materials & Services						82.26	

Total listed costs for Field Operations and Materials and Services					407.14	
Interest on Operations Capital	\$ 267.39	cash expense @	5.50%	for 6.0 mo.	7.35	
Total Operating and Use Related Ownership Costs					414.49	
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,295	per acre @	3.00%	188.85	
Real Estate Taxes		\$ 6,295	per acre @	1.00%	62.95	
Total Cost per Acre Including Overhead					686.29	
Cost per ton					100.93	
Cash Cost per ton					40.40	

**2018 Budget 12-Alfalfa, Large and Small Square Bale (6.6 ton Actual Yield)
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2 Swath/Condition Hay	3		6.00	4.23	6.93	1.06	10.00	25.05	53.27	
3 Large Square Bale	4.4	ton	6.05	4.79	2.37	2.54	7.41	24.49	47.65	
4 Load Lg Sq		Custom ton								
5 Bale Small Square	2.2	ton	12.10	5.42	4.75	8.62	14.83	1.99	47.71	
6 Stack Small Square	2.2	ton	4.40	1.24	1.90	0.00	5.93	0.00	13.47	
7 Pivot E 125' Lift	16	ai	11.11	46.72	4.68	25.82	8.20	14.17	110.70	
8 Spray Herbicide	0.25		0.25	0.07	0.09	0.07	0.27	0.01	0.76	
9 Spray Insecticide	0.25		0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			41.73	63.40	21.49	38.91	49.03	67.42	281.98	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	3	100%	4.4 ton	1.81	7.95	
Load Large Square Bales	Custom	4	100%	4.4 ton	2.94	12.92	
Twine Small Square	Other	5	100%	2.2 ton	2.33	5.13	
Electricity Fixed	Other	7	100%	1 acre	30.00	30.00	
Velpar 75DF	Herbicide	8	25%	0.66 pound	40.00	6.60	
Mustang Max EC	Insecticide	9	25%	3 ounce	1.41	1.05	
Total Materials & Services						81.65	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 247.18 cash expense @ 5.50% for 6.0 mo. 363.63

Total Operating and Use Related Ownership Costs 6.80 370.43

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (Panhandle) \$ 2,815 per acre @ 3.00% 84.45

Real Estate Taxes \$ 2,815 per acre @ 1.00% 28.15

Total Cost per Acre Including Overhead 503.03

Cost per ton 76.22

Cash Cost per ton 38.48

**2018 Budget 13-Alfalfa, Large Square Bale (6.6 ton Actual Yield)
Gravity Irrigated, fed by canal, 22 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2 Swath/Condition Hay	4		8.00	5.64	9.23	1.41	13.33	33.40	71.01	
3 Turn Windrows	1		1.67	0.49	0.72	0.00	2.25	0.00	5.13	
4 Double Windrows	4		4.40	1.19	1.73	0.22	5.39	1.48	14.41	
5 Large Square Bale	Custom									
6 Load Lg Sq	Custom									
7 Corrugate	1		3.13	1.76	1.23	0.90	3.84	5.05	15.91	
8 Ditch Irrigation	22	ai	24.44						24.44	
9 Spray Herbicide	0.25		0.25	0.07	0.09	0.07	0.27	0.01	0.76	
10 Spray Insecticide	0.25		0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			43.71	10.08	13.77	3.40	27.47	41.65	140.08	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Bale Lg Sq 1360 lb	Custom	5	100%	6.6 ton	22.06	145.59	
Load Large Square Bales	Custom	6	100%	6.6 ton	2.94	19.38	
Irrigation District O&M Charge	Other	8	100%	1 acre	30.00	30.00	
Pursuit	Herbicide	9	25%	4.5 ounce	3.75	4.22	
Crop Oil Concentrate	Additive	9	25%	1.6 pint	1.04	0.42	
UAN	Additive	9	25%	2 pint	0.16	0.08	
Mustang Max EC	Insecticide	10	25%	3 ounce	1.41	1.05	
Total Materials & Services						218.74	

Total listed costs for Field Operations and Materials and Services						358.82	
Interest on Operations Capital	\$ 289.70	cash expense @	5.50%	for 6.0 mo.		7.97	
Total Operating and Use Related Ownership Costs						366.79	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (State)	\$ 6,070	per acre @	3.00%		182.10	
Real Estate Taxes		\$ 6,070	per acre @	1.00%		60.70	
Total Cost per Acre Including Overhead						629.59	
Cost per ton						95.39	
Cash Cost per ton						45.10	

**2018 Budget 14-Alfalfa, Roundup Ready®, Large Square Bale (6.8 ton Actual Yield)
Gravity Irrigated, fed by canal, 14 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
2 Swath/Condition Hay	4		8.00	5.64	9.23	1.41	13.33	33.40	71.01	
3 Turn Windrows	1		1.67	0.49	0.72	0.00	2.25	0.00	5.13	
4 Double Windrows	4		4.40	1.19	1.73	0.22	5.39	1.48	14.41	
5 Lg Sq Bale	Custom									
6 Load Lg Sq	Custom									
7 Corrugate	1		3.13	1.76	1.23	0.90	3.84	5.05	15.91	
8 Ditch Irrigation	14	ai	15.56						15.56	
9 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
10 Spray Insecticide	0.25		0.25	0.07	0.09	0.16	0.27	0.20	1.04	
Total for Field Operations			35.58	10.31	14.03	3.62	28.28	41.68	133.50	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Bale Lg Sq 1360 lb	Custom	5	100%	6.8 ton	22.06	150.00	
Load Large Square Bales	Custom	6	100%	6.6 ton	2.94	19.38	
Irrigation District O&M Charge	Other	8	100%	1 acre	30.00	30.00	
Roundup WeatherMax	Herbicide	9	100%	44 ounce	0.25	11.00	
21-0-0-24S	Additive	9	100%	1.7 pound	0.28	0.48	
Mustang Max EC	Insecticide	10	25%	3 ounce	1.41	1.05	
Total Materials & Services						231.11	

Total listed costs for Field Operations and Materials and Services 364.61

Interest on Operations Capital \$ 294.65 cash expense @ 5.50% for 6.0 mo. 8.10

Total Operating and Use Related Ownership Costs 372.71

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Gravity (State) \$ 6,070 per acre @ 3.00% 182.10

Real Estate Taxes \$ 6,070 per acre @ 1.00% 60.70

Total Cost per Acre Including Overhead 635.51

Cost per ton 93.46

Cash Cost per ton 44.52