

2016 Nebraska Crop Budgets

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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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**2016 Budget 9-Alfalfa, Large Round Bale (4.4 ton Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Swath/Condition Hay	4		8.00	5.18	9.14	0.00	14.45	0.00	36.77	
3 Turn Windrows	1		1.67	0.45	0.69	0.11	2.30	0.32	5.54	
4 Double Windrows	3		3.30	0.82	1.25	0.16	4.15	1.22	10.90	
5 Large Round Bale	4.4	ton	9.68	3.27	3.67	8.86	12.16	9.25	46.89	
6 Move Large Round	4.4	ton	4.84	2.28	1.83	0.00	6.08	0.26	15.29	
7 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations			29.31	12.86	17.32	9.29	41.60	11.27	121.65	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0	Fertilizer	1	100%	75	pound	0.28	21.00	
Twine Large Round	Other	5	100%	4.4	ton	0.91	4.00	
Mustang Max EC	Insecticide	7	25%	3	ounce	1.48	1.11	
Total Materials & Services						26.11		

Total listed costs for Field Operations and Materials and Services						147.76	
Interest on Operations Capital	\$ 94.89	cash expense @	5.50%	for 6.0 mo.		2.61	
Total Operating and Use Related Ownership Costs						150.37	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,390	per acre @	4.00%		135.60	
Real Estate Taxes		\$ 3,390	per acre @	1.00%		33.90	
Total Cost per Acre Including Overhead						339.87	
Cost per ton						77.24	
Cash Cost per ton						29.86	

2016 Budget 10-Alfalfa, Large and Small Square Bale (6.7 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Swath/Condition Hay	4		8.00	5.18	9.14	0.00	14.45	0.00	36.77	
3 Turn Windrows	1		1.67	0.45	0.69	0.11	2.30	0.32	5.54	
4 Double Windrows	4		4.40	1.09	1.67	0.22	5.53	1.63	14.54	
5 Large Square Bale	4.5	ton	6.14	4.47	2.33	2.58	7.72	26.98	50.22	
6 Load Large Square	Custom	ton								
7 Bale Small Square	2.2	ton	12.28	5.06	4.65	8.75	15.44	2.20	48.38	
8 Stack Small Square	2.2	ton	4.47	1.16	1.86	0.64	6.17	1.00	15.30	
9 Pivot E 125' Lift	16	ai	11.11	44.59	4.68	25.82	8.48	15.45	110.13	
10 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
11 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations			50.14	62.93	25.84	38.44	62.83	48.02	288.20	

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	3.83	4.31	
Crop Oil Concentrate	Additive	10	25%	1.6 pint	1.50	0.60	
UAN	Additive	10	25%	2 pint	0.21	0.10	
Mustang Max EC	Insecticide	11	25%	3 ounce	1.48	1.11	
Total Materials & Services						77.36	

Total listed costs for Field Operations and Materials and Services						365.56	
Interest on Operations Capital	\$ 254.71	cash expense @	5.50%	for 6.0 mo.		7.00	
Total Operating and Use Related Ownership Costs						372.56	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre @	4.00%		292.60	
Real Estate Taxes		\$ 7,315	per acre @	1.00%		73.15	
Total Cost per Acre Including Overhead						758.31	
Cost per ton						113.18	
Cash Cost per ton						49.98	

**2016 Budget 11-Alfalfa, Roundup Ready®, Large and Small Square Bale (6.8 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Swath/Condition Hay	4		8.00	5.18	9.14	0.00	14.45	0.00	36.77	
3 Turn Windrows	1		1.67	0.45	0.69	0.11	2.30	0.32	5.54	
4 Double Windrows	4		4.40	1.09	1.67	0.22	5.53	1.63	14.54	
5 Large Square Bale	4.5	ton	6.23	4.54	2.36	2.62	7.83	27.38	50.96	
6 Load Lg Sq	Custom	ton								
7 Bale Small Square	2.3	ton	12.47	5.13	4.72	8.88	15.67	2.23	49.10	
8 Stack Small Square	2.3	ton	4.53	1.17	1.89	0.65	6.27	1.02	15.53	
9 Pivot E 125' Lift	16	ai	11.11	44.59	4.68	25.82	8.48	15.45	110.13	
10 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
11 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations			51.23	63.28	26.22	39.10	64.10	49.13	293.06	

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%	4.4 ton	2.94	12.92	
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	0.30	13.06	
21-0-0-24S	Additive	10	100%	1.7 pound	0.35	0.60	
Mustang Max EC	Insecticide	11	25%	3 ounce	1.48	1.11	
Total Materials & Services						87.31	

Total listed costs for Field Operations and Materials and Services 380.37

Interest on Operations Capital \$ 267.14 cash expense @ 5.50% for 6.0 mo. 7.35

Total Operating and Use Related Ownership Costs 387.72

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

Real Estate Opportunity Pivot (State) \$ 7,315 per acre @ 4.00% 292.60

Real Estate Taxes \$ 7,315 per acre @ 1.00% 73.15

Total Cost per Acre Including Overhead 773.47

Cost per ton 113.75

Cash Cost per ton 51.12

2016 Budget 12-Alfalfa, Large and Small Square Bale (6.6 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Swath/Condition Hay	3		6.00	3.88	6.86	0.00	10.84	0.00	27.58	
3 Large Square Bale	4.4	ton	6.05	4.40	2.29	2.54	7.60	26.57	49.45	
4 Load Lg Sq	Custom	ton								
5 Bale Small Square	2.2	ton	12.10	4.98	4.58	8.62	15.21	2.16	47.65	
6 Stack Small Square	2.2	ton	4.40	1.14	1.83	0.63	6.08	0.99	15.07	
7 Pivot E 125' Lift	16	ai	11.11	44.59	4.68	25.82	8.48	15.45	110.13	
8 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
9 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations			41.73	59.92	21.06	37.93	50.95	45.61	257.20	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
11-52-0							
	Fertilizer	1	100%	75 pound	0.28	21.00	
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	37.00	6.11	
Mustang Max EC	Insecticide	9	25%	3 ounce	1.48	1.11	
Total Materials & Services						84.22	

Total listed costs for Field Operations and Materials and Services						341.42	
Interest on Operations Capital \$ 244.86 cash expense @ 5.50% for 6.0 mo.						6.73	
Total Operating and Use Related Ownership Costs						348.15	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (Panhandle)	\$ 3,625	per acre @	4.00%		145.00	
Real Estate Taxes		\$ 3,625	per acre @	1.00%		36.25	
Total Cost per Acre Including Overhead						549.40	
Cost per ton						83.24	
Cash Cost per ton						38.12	

**2016 Budget 13-Alfalfa, Large Square Bale (6.6 ton Actual Yield)
Canal Irrigated, 22 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Swath/Condition Hay	4		8.00	5.18	9.14	0.00	14.45	0.00	36.77	
3 Turn Windrows	1		1.67	0.45	0.69	0.11	2.30	0.32	5.54	
4 Double Windrows	4		4.40	1.09	1.67	0.22	5.53	1.63	14.54	
5 Large Square Bale	Custom									
6 Load Lg Sq	Custom									
7 Corrugate	1		3.13	1.62	1.19	0.90	3.94	5.47	16.25	
8 Ditch Irrigation	22	ai	24.44						24.44	
9 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
10 Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations			43.71	9.27	13.51	1.55	28.96	7.86	104.86	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
11-52-0							
Fertilizer	1	100%	75	pound	0.28	21.00	
Bale Lg Sq 1360 lb	5	100%	6.6	ton	19.12	126.18	
Load Large Square Bales	6	100%	6.6	ton	2.94	19.38	
Irrigation District O&M Charge	8	100%	1	acre	30.00	30.00	
Pursuit	9	25%	4.5	ounce	3.83	4.31	
Crop Oil Concentrate	9	25%	1.6	pint	1.50	0.60	
UAN	9	25%	2	pint	0.21	0.10	
Mustang Max EC	10	25%	3	ounce	1.48	1.11	
Total Materials & Services						202.68	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 270.72	cash expense @	5.50%	for 6.0 mo.	7.44
Total Operating and Use Related Ownership Costs				314.98

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

Real Estate Opportunity	Gravity (State)	\$ 6,900	per acre @	4.00%	276.00	
Real Estate Taxes		\$ 6,900	per acre @	1.00%	69.00	
Total Cost per Acre Including Overhead						679.98

Cost per ton	103.03
Cash Cost per ton	52.60

**2016 Budget 14-Alfalfa, Roundup Ready®, Large Square Bale (6.8 ton Actual Yield)
Canal Irrigated, 22 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2	Swath/Condition Hay	4		8.00	5.18	9.14	0.00	14.45	0.00	36.77	
3	Turn Windrows	1		1.67	0.45	0.69	0.11	2.30	0.32	5.54	
4	Double Windrows	4		4.40	1.09	1.67	0.22	5.53	1.63	14.54	
5	Lg Sq Bale	Custom									
6	Load Lg Sq	Custom									
7	Corrugate	1		3.13	1.62	1.19	0.90	3.94	5.47	16.25	
8	Ditch Irrigation	22	ai	24.44						24.44	
9	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
10	Spray	0.25		0.25	0.07	0.08	0.16	0.28	0.22	1.06	
Total for Field Operations				44.46	9.47	13.76	2.03	29.79	8.52	108.03	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	80	pound	0.28	22.40	
Bale Lg Sq 1360 lb	Custom	5	100%	6.8	ton	19.12	130.00	
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	0.30	13.06	
21-0-0-24S	Additive	9	100%	1.7	pound	0.35	0.60	
Mustang Max EC	Insecticide	10	25%	3	ounce	1.48	1.11	
Total Materials & Services							216.55	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 286.27	cash expense @	5.50%	for 6.0 mo.	7.87
Total Operating and Use Related Ownership Costs				332.45

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

Real Estate Opportunity	Gravity (State)	\$ 6,900	per acre @	4.00%	276.00
Real Estate Taxes		\$ 6,900	per acre @	1.00%	69.00
Total Cost per Acre Including Overhead					697.45

Cost per ton	102.57
Cash Cost per ton	53.40