

2017 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>.

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**2017 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	0.68	0.00	2.26	0.00	5.30	_____
2	Swath/Condition Hay	4		8.00	5.18	9.23	0.00	14.60	0.00	37.01	_____
3	Turn Windrows	1		1.67	0.45	0.72	0.11	2.39	0.32	5.66	_____
4	Double Windrows	3		3.30	0.82	1.30	0.16	4.30	1.22	11.10	_____
5	Large Round Bale	4.4	ton	9.68	3.27	3.80	4.73	12.61	4.94	39.03	_____
6	Move Large Round	4.4	ton	4.84	2.28	1.90	0.00	6.30	0.27	15.59	_____
7	Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	_____
Total for Field Operations				29.31	12.86	17.72	5.16	42.75	6.97	114.77	_____

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
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	1.48	1.11	_____
Total Materials & Services							23.11	_____

Total listed costs for Field Operations and Materials and Services							137.88	_____
Interest on Operations Capital	\$	88.16	cash expense @	5.50%	for 6.0 mo.		2.42	_____
Total Operating and Use Related Ownership Costs							140.30	_____
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	_____
Real Estate Opportunity								_____

Real Estate Taxes							34.70	_____
Total Cost per Acre Including Overhead							333.80	_____
Cost per ton							75.86	_____
Cash Cost per ton							28.47	_____

2017 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	0.68	0.00	2.26	0.00	5.30	
2 Swath/Condition Hay	4		8.00	5.18	9.23	0.00	14.60	0.00	37.01	
3 Turn Windrows	1		1.67	0.45	0.72	0.11	2.39	0.32	5.66	
4 Double Windrows	4		4.40	1.09	1.73	0.22	5.73	1.63	14.80	
5 Large Square Bale	4.5	ton	6.14	4.47	2.41	2.58	8.00	26.98	50.58	
6 Load Large Square		Custom ton								
7 Bale Small Square	2.2	ton	12.28	5.06	4.82	8.75	16.00	2.20	49.11	
8 Stack Small Square	2.2	ton	4.47	1.16	1.93	0.64	6.40	1.00	15.60	
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	0.09	0.16	0.29	0.22	1.08	
11 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
Total for Field Operations			50.14	62.93	26.38	38.44	64.44	48.02	290.35	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
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	1.13	0.45	
UAN	Additive	10	25%	2 pint	0.19	0.09	
Mustang Max EC	Insecticide	11	25%	3 ounce	1.48	1.11	
Total Materials & Services						74.20	

Total listed costs for Field Operations and Materials and Services						364.55	
Interest on Operations Capital \$ 252.09	cash expense @	5.50%	for 6.0 mo.			6.93	
Total Operating and Use Related Ownership Costs						371.48	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,940	per acre @	4.00%		277.60	
Real Estate Taxes		\$ 6,940	per acre @	1.00%		69.40	
Total Cost per Acre Including Overhead						738.48	
Cost per ton						110.22	
Cash Cost per ton						49.02	

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Swath/Condition Hay	4		8.00	5.18	9.23	0.00	14.60	0.00	37.01	
3 Turn Windrows	1		1.67	0.45	0.72	0.11	2.39	0.32	5.66	
4 Double Windrows	4		4.40	1.09	1.73	0.22	5.73	1.63	14.80	
5 Large Square Bale	4.5	ton	6.23	4.54	2.45	2.62	8.12	27.38	51.34	
6 Load Lg Sq		Custom ton								
7 Bale Small Square	2.3	ton	12.47	5.13	4.89	8.88	16.24	2.23	49.84	
8 Stack Small Square	2.3	ton	4.53	1.17	1.96	0.65	6.49	1.02	15.82	
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	0.35	0.64	1.15	0.88	4.29	
11 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
Total for Field Operations			51.23	63.28	26.78	39.10	65.75	49.13	295.27	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	1	100%	80 pound	0.24	19.20	
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	0.25	11.00	
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						82.05		

Total listed costs for Field Operations and Materials and Services						377.32	
Interest on Operations Capital	\$ 262.44	cash expense @	5.50%	for 6.0 mo.		7.22	
Total Operating and Use Related Ownership Costs						384.54	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,940	per acre @	4.00%		277.60	
Real Estate Taxes		\$ 6,940	per acre @	1.00%		69.40	
Total Cost per Acre Including Overhead						751.54	
Cost per ton						110.52	
Cash Cost per ton						49.86	

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Swath/Condition Hay	3		6.00	3.88	6.93	0.00	10.95	0.00	27.76	
3 Large Square Bale	4.4	ton	6.05	4.40	2.37	2.54	7.88	26.57	49.81	
4 Load Lg Sq	Custom	ton								
5 Bale Small Square	2.2	ton	12.10	4.98	4.75	8.62	15.76	2.16	48.37	
6 Stack Small Square	2.2	ton	4.40	1.14	1.90	0.63	6.30	0.99	15.36	
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	0.09	0.16	0.29	0.22	1.08	
9 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
Total for Field Operations			41.73	59.92	21.49	37.93	52.21	45.61	258.89	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0	Fertilizer	1	100%	75	pound	0.24	18.00	
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						81.22		

Total listed costs for Field Operations and Materials and Services 340.11

Interest on Operations Capital \$ 242.29 cash expense @ 5.50% for 6.0 mo. 6.66

Total Operating and Use Related Ownership Costs 346.77

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,290 per acre @ 4.00% 131.60

Real Estate Taxes \$ 3,290 per acre @ 1.00% 32.90

Total Cost per Acre Including Overhead 531.27

Cost per ton 80.50

Cash Cost per ton 37.72

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Swath/Condition Hay	4		8.00	5.18	9.23	0.00	14.60	0.00	37.01	
3 Turn Windrows	1		1.67	0.45	0.72	0.11	2.39	0.32	5.66	
4 Double Windrows	4		4.40	1.09	1.73	0.22	5.73	1.63	14.80	
5 Large Square Bale	Custom									
6 Load Lg Sq	Custom									
7 Corrugate	1		3.13	1.62	1.23	0.90	4.08	5.47	16.43	
8 Ditch Irrigation	22	ai	24.44						24.44	
9 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
10 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
Total for Field Operations			43.71	9.27	13.77	1.55	29.64	7.86	105.80	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	1	100%	75 pound	0.24	18.00	
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	3.83	4.31	
Crop Oil Concentrate		Additive	9	25%	1.6 pint	1.13	0.45	
UAN		Additive	9	25%	2 pint	0.19	0.09	
Mustang Max EC		Insecticide	10	25%	3 ounce	1.48	1.11	
Total Materials & Services						218.93		

Total listed costs for Field Operations and Materials and Services						324.73	
Interest on Operations Capital	\$ 287.23	cash expense @	5.50%	for 6.0 mo.		7.90	
Total Operating and Use Related Ownership Costs						332.63	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (State)	\$ 6,480	per acre @	4.00%		259.20	
Real Estate Taxes		\$ 6,480	per acre @	1.00%		64.80	
Total Cost per Acre Including Overhead						676.63	
Cost per ton						102.52	
Cash Cost per ton						54.53	

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Swath/Condition Hay	4		8.00	5.18	9.23	0.00	14.60	0.00	37.01	
3 Turn Windrows	1		1.67	0.45	0.72	0.11	2.39	0.32	5.66	
4 Double Windrows	4		4.40	1.09	1.73	0.22	5.73	1.63	14.80	
5 Lg Sq Bale	Custom									
6 Load Lg Sq	Custom									
7 Corrugate	1		3.13	1.62	1.23	0.90	4.08	5.47	16.43	
8 Ditch Irrigation	22	ai	24.44						24.44	
9 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
10 Spray	0.25		0.25	0.07	0.09	0.16	0.29	0.22	1.08	
Total for Field Operations			44.46	9.47	14.03	2.03	30.50	8.52	109.01	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	1	100%	80 pound	0.24	19.20	
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	0.35	0.60	
Mustang Max EC		Insecticide	10	25%	3 ounce	1.48	1.11	
Total Materials & Services						231.29		

Total listed costs for Field Operations and Materials and Services						340.30	
Interest on Operations Capital \$ 301.28	cash expense @	5.50%	for 6.0 mo.			8.29	
Total Operating and Use Related Ownership Costs						348.59	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (State)	\$ 6,480	per acre @	4.00%		259.20	
Real Estate Taxes		\$ 6,480	per acre @	1.00%		64.80	
Total Cost per Acre Including Overhead						692.59	
Cost per ton						101.85	
Cash Cost per ton						55.05	