

# 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

The following individuals contributed to the budgets in their specialty areas:

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**2016 Budget 42-Grass, Fall Establishment**  
**Pivot Irrigated, 800 GPM 35 PSI, 2 acre/inches**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Unit</b>	<b>Labor @ \$20.00 /Hr</b>	<b>Fuel @ \$2.25 and Lube</b>	<b>Repairs</b>		<b>Ownership</b>		<b>Total</b>	<b>Your Estimate</b>
						<b>Power</b>	<b>Imp.</b>	<b>Power</b>	<b>Imp.</b>		
1	Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Roll	1		2.22	1.57	0.93	0.00	3.07	0.00	7.79	
4	Grass Drill	1		2.44	1.23	0.93	6.46	3.07	2.88	17.01	
5	Pivot D 125' Lift	2	ai	1.39	9.60	0.69	3.23	0.99	1.93	17.83	
6	Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
<b>Total for Field Operations</b>				11.11	16.57	4.06	12.21	15.29	7.59	66.83	
<b>Materials &amp; Services</b>					<b>Operation Index</b>	<b>Percent Acres Applied</b>	<b>Application Rate Unit</b>	<b>Applied Price</b>	<b>Total</b>	<b>Your Estimate</b>	
Grass Seed			Seed		4	100%	1 acre	60.00	60.00		
11-52-0			Fertilizer		6	100%	60 pound	0.28	16.80		
<b>Total Materials &amp; Services</b>									76.80		
<b>Total listed costs for Field Operations and Materials and Services</b>										143.63	
Interest on Operations Capital \$ 120.75 cash expense @ 5.50% for 6.0 mo.										3.32	
<b>Total Operating and Use Related Ownership Costs</b>										146.95	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)										20.00	
Real Estate Opportunity			Fall Establishment	\$	-		per acre @	4.00%		0.00	
Real Estate Taxes				\$	-		per acre @	1.00%		0.00	
<b>Total Cost per Acre Including Overhead</b>										166.95	

**2016 Budget 43-Grass Hay, Large Round Bale (2.2 ton Actual Yield)  
Dryland**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Labor @ Unit</b>	<b>Fuel @ \$2.25 and Lube</b>	<b>Repairs</b>		<b>Ownership</b>		<b>Total</b>	<b>Your Estimate</b>
			<b>\$20.00 /Hr</b>		<b>Power</b>	<b>Imp.</b>	<b>Power</b>	<b>Imp.</b>		
1	Spread Fertilizer	1	1.57	0.79	0.66	0.00	2.18	0.00	5.20	_____
2	Swath/Condition Hay	1	2.00	1.29	2.29	0.00	3.61	0.00	9.19	_____
3	Large Round Bale	2.2 ton	4.84	1.64	1.83	4.43	6.08	4.62	23.44	_____
4	Move Large Round	2.2 ton	2.42	1.14	0.92	0.00	3.04	0.13	7.65	_____
<b>Total for Field Operations</b>			10.83	4.86	5.70	4.43	14.91	4.75	45.48	_____
<b>Materials &amp; Services</b>				<b>Operation Index</b>	<b>Percent Acres Applied</b>	<b>Application Rate Unit</b>	<b>Applied Price</b>	<b>Total</b>	<b>Your Estimate</b>	
46-0-0		Fertilizer		1	100%	40 lbs N	0.48	19.20	_____	
11-52-0		Fertilizer		1	100%	15 pound	0.28	4.20	_____	
Twine Large Round		Other		3	100%	2.2 ton	0.91	2.00	_____	
<b>Total Materials &amp; Services</b>								25.40	_____	
<b>Total listed costs for Field Operations and Materials and Services</b>									70.88	_____
Interest on Operations Capital \$ 51.22 cash expense @ 5.50% for 6.0 mo.									1.41	_____
<b>Total Operating and Use Related Ownership Costs</b>									72.29	_____
<b>Overhead</b> (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	_____	
<b>Total Cost per Acre Including Overhead</b>									261.79	_____
<b>Cost per ton</b>									118.99	_____
<b>Cash Cost per ton</b>									39.33	_____

**2016 Budget 44-Millet, Panhandle, Stubble Mulch Fallow, Followed by Wheat, Two Crops in Three Years (22 cwt 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 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
2 Fallow Master	1		1.76	1.78	0.25	0.92	3.62	1.57	9.90	_____
3 Rod Weeder	1		1.52	1.05	0.63	0.23	2.09	0.99	6.51	_____
4 Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	_____
5 Drill	1		1.76	1.03	0.67	2.94	2.21	2.62	11.23	_____
6 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
7 Windrow Grain	1		2.00	1.29	2.29	0.00	3.61	0.00	9.19	_____
8 Combine Small Grain	1		3.14	3.87	7.31	0.93	5.99	2.81	24.05	_____
9 Truck	Custom									_____
<b>Total for Field Operations</b>			13.18	9.83	12.14	6.49	20.85	11.96	74.45	_____

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	32	ounce	0.13	4.00	_____
2,4-D Ester 4#	Herbicide	1	100%	1.5	pint	2.56	3.84	_____
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	_____
28-0-0	Fertilizer	4	100%	45	lbs N	0.47	21.00	_____
Millet	Seed	5	100%	12	pound	0.45	5.40	_____
2,4-D Amine	Herbicide	6	100%	0.75	pint	1.88	1.41	_____
Dicamba	Herbicide	6	100%	0.5	ounce	0.59	0.29	_____
Haul Grain (Millet)	Custom	9	100%	22	cwt	0.24	5.28	_____
<b>Total Materials &amp; Services</b>							41.82	_____

<b>Total listed costs for Field Operations and Materials and Services</b>							116.27	_____
Interest on Operations Capital \$ 83.46 cash expense @ 5.50% for 6.0 mo.							2.30	_____
<b>Total Operating and Use Related Ownership Costs</b>							118.57	_____
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)							20.00	_____
Real Estate Opportunity	Dryland (Panhandle)	\$	730	per acre @	4.00%		29.20	_____
Real Estate Taxes		\$	730	per acre @	1.00%		7.30	_____
<b>Total Cost per Acre Including Overhead</b>							175.07	_____
<b>Cost per cwt</b>							7.96	_____
<b>Cash Cost per cwt</b>							4.23	_____

**2016 Budget 45-Millet, No-Till (22 cwt Actual Yield)  
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
				Power	Imp.	Power	Imp.		
1 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
2 Spray Fertilizer	1	1.00	0.27	0.33	0.19	1.11	2.21	5.11	_____
3 No-Till Drill	1	1.83	1.31	0.69	1.57	2.30	3.54	11.24	_____
4 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
5 Windrow Grain	1	2.00	1.29	2.29	0.00	3.61	0.00	9.19	_____
6 Combine Small Grain	1	3.14	3.87	7.31	0.93	5.99	2.81	24.05	_____
7 Truck	Custom								_____
<b>Total for Field Operations</b>		9.97	7.28	11.28	3.97	15.23	10.32	58.05	_____

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate w/Surf	Herbicide	1	100%	36	ounce	0.13	4.50	_____
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	_____
28-0-0	Fertilizer	2	100%	45	lbs N	0.47	21.00	_____
Glyphosate w/Surf	Herbicide	2	100%	20	ounce	0.13	2.50	_____
Vida	Herbicide	2	100%	2	ounce	0.03	0.05	_____
Millet	Seed	3	100%	12	pound	0.45	5.40	_____
2,4-D Amine	Herbicide	4	100%	0.75	pint	1.88	1.41	_____
Dicamba	Herbicide	4	100%	0.5	ounce	0.59	0.29	_____
Haul Grain (Millet)	Custom	7	100%	22	cwt	0.24	5.28	_____
<b>Total Materials &amp; Services</b>							41.03	_____

<b>Total listed costs for Field Operations and Materials and Services</b>							99.08	_____
Interest on Operations Capital	\$	73.53	cash expense @	5.50%	for 6.0 mo.		2.02	_____
<b>Total Operating and Use Related Ownership Costs</b>							101.10	_____
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)							20.00	_____
Real Estate Opportunity							29.20	_____
Real Estate Taxes							7.30	_____
<b>Total Cost per Acre Including Overhead</b>							157.60	_____
<b>Cost per cwt</b>							7.16	_____
<b>Cash Cost per cwt</b>							3.43	_____

**2016 Budget 46-Oats, No-Till, 90 bu Yield Goal (85 bu Actual Yield)  
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate	
				Power	Imp.	Power	Imp.			
1 Spray Fertilizer	1	1.00	0.27	0.33	0.19	1.11	2.21	5.11		
2 No-Till Drill	1	1.83	1.31	0.69	1.57	2.30	3.54	11.24		
3 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23		
4 Combine Small Grain	1	3.14	3.87	7.31	0.93	5.99	2.81	24.05		
5 Truck	Custom									
<b>Total for Field Operations</b>			6.97	5.72	8.66	3.33	10.51	9.44	44.63	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Oats	Seed	2	100%	2 bushel	9.00	18.00
10-34-0	Fertilizer	2	100%	6 gallon	2.80	16.80
Aim 2EC	Herbicide	3	100%	0.5 ounce	6.25	3.13
2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.56	1.28
NIS	Additive	3	100%	6 ounce	0.17	1.03
Haul Grain Bushels	Custom	5	100%	85 bushel	0.11	9.35
<b>Total Materials &amp; Services</b>						96.26

**Total listed costs for Field Operations and Materials and Services** 140.89

Interest on Operations Capital \$ 120.94 cash expense @ 5.50% for 6.0 mo. 3.33

**Total Operating and Use Related Ownership Costs** 144.22

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

Real Estate Opportunity  \$ 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** 333.72

**Cost per bu** 3.93

**Cash Cost per bu** 1.86

**2016 Budget 47-Pasture, Grazing (11 AUM Actual Yield)**  
**Pivot Irrigated, 800 GPM 35 PSI, 18 acre/inches**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Unit</b>	<b>Labor @ \$20.00 /Hr</b>	<b>Fuel @ \$2.25 and Lube</b>	<b>Repairs</b>		<b>Ownership</b>		<b>Total</b>	<b>Your Estimate</b>
						<b>Power</b>	<b>Imp.</b>	<b>Power</b>	<b>Imp.</b>		
1	Pivot D 125' Lift	18	ai	12.50	86.42	6.17	29.05	8.94	17.38	160.46	
<b>Total for Field Operations</b>				12.50	86.42	6.17	29.05	8.94	17.38	160.46	
<b>Materials &amp; Services</b>				<b>Operation Index</b>	<b>Percent Acres Applied</b>	<b>Application</b>		<b>Applied Price</b>	<b>Total</b>	<b>Your Estimate</b>	
	28-0-0		Fertilizer	1	100%	220 lbs N		0.47	102.67		
	Fence/Water Repairs		Other		100%	1 acre		2.00	2.00		
	Fence/Water Repairs		Other		100%	1 acre		2.00	2.00		
	Move Cattle		Other		100%	1 hour		20.00	20.00		
<b>Total Materials &amp; Services</b>									126.67		
<b>Total listed costs for Field Operations and Materials and Services</b>										287.13	
Interest on Operations Capital \$ 260.81 cash expense @ 5.50% for 6.0 mo.										7.17	
<b>Total Operating and Use Related Ownership Costs</b>										294.30	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)										20.00	
	Real Estate Opportunity		Pivot (Marginal Land)	\$ 5,121	per acre @			4.00%	204.82		
	Real Estate Taxes			\$ 5,121	per acre @			1.00%	51.21		
<b>Total Cost per Acre Including Overhead</b>										570.33	
<b>Cost per AUM</b>										51.85	
<b>Cash Cost per AUM</b>										29.02	

**2016 Budget 48-Peas, Panhandle, No-Till (35 bu Actual Yield)  
Dryland**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Labor @ Unit \$20.00 /Hr</b>	<b>Fuel @ \$2.25 and Lube</b>	<b>Repairs</b>		<b>Ownership</b>		<b>Total</b>	<b>Your Estimate</b>
					<b>Power</b>	<b>Imp.</b>	<b>Power</b>	<b>Imp.</b>		
1	No-Till Drill	1	1.83	1.31	0.69	1.57	2.30	3.54	11.24	_____
2	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
3	Combine Small Grain	1	3.14	3.87	7.31	0.93	5.99	2.81	24.05	_____
4	Truck	Custom								_____
<b>Total for Field Operations</b>			5.97	5.45	8.33	3.14	9.40	7.23	39.52	_____
<b>Materials &amp; Services</b>			<b>Operation Index</b>	<b>Percent Acres Applied</b>	<b>Application Rate Unit</b>	<b>Applied Price</b>	<b>Total</b>	<b>Your Estimate</b>		
	Peas	Seed	1	100%	3 bushel	18.00	54.00	_____		
	Pea Seed Inoculant	Fungicide	1	100%	1 pound	8.00	8.00	_____		
	Sharpen	Herbicide	2	100%	2 ounce	6.80	13.59	_____		
	Glyphosate w/Surf	Herbicide	2	100%	32 ounce	0.13	4.00	_____		
	21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60	_____		
	Haul Grain Bushels	Custom	4	100%	35 bushel	0.11	3.85	_____		
<b>Total Materials &amp; Services</b>							84.04	_____		
<b>Total listed costs for Field Operations and Materials and Services</b>									123.56	_____
Interest on Operations Capital \$ 106.93 cash expense @ 5.50% for 6.0 mo.									2.94	_____
<b>Total Operating and Use Related Ownership Costs</b>									126.50	_____
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)									20.00	_____
Real Estate Opportunity <span style="border: 1px solid black; padding: 2px;">Dryland (Panhandle)</span> \$ 730 per acre @ 4.00%									29.20	_____
Real Estate Taxes \$ 730 per acre @ 1.00%									7.30	_____
<b>Total Cost per Acre Including Overhead</b>									183.00	_____
<b>Cost per bu</b>									5.23	_____
<b>Cash Cost per bu</b>									3.14	_____



**2016 Budget 49-Sorghum-Sudan, Annually Planted, Large Round Bale (3.3 ton Actual Yield)  
Dryland**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Labor @ Unit</b>	<b>Fuel @ \$2.25 and Lube</b>	<b>Repairs</b>		<b>Ownership</b>		<b>Total</b>	<b>Your Estimate</b>
			<b>\$20.00 /Hr</b>		<b>Power</b>	<b>Imp.</b>	<b>Power</b>	<b>Imp.</b>		
1	Disk	1	2.02	1.97	0.29	1.24	4.14	1.21	10.87	_____
2	Spray Fertilizer	1	1.00	0.27	0.33	0.19	1.11	2.21	5.11	_____
3	Field Cultivation	1	1.47	1.41	0.56	1.28	1.84	1.57	8.13	_____
4	Drill	1	1.76	1.03	0.67	2.94	2.21	2.62	11.23	_____
5	Swath/Condition Hay	1	2.00	1.29	2.29	0.00	3.61	0.00	9.19	_____
6	Large Round Bale	3.3 ton	7.26	2.46	2.75	6.65	9.12	6.93	35.17	_____
7	Move Large Round	3.3 ton	3.63	1.71	1.37	0.00	4.56	0.19	11.46	_____
<b>Total for Field Operations</b>			19.14	10.14	8.26	12.30	26.59	14.73	91.16	_____
<b>Materials &amp; Services</b>				<b>Operation Index</b>	<b>Percent Acres Applied</b>	<b>Application Rate Unit</b>	<b>Applied Price</b>	<b>Total</b>	<b>Your Estimate</b>	
28-0-0		Fertilizer		2	100%	40 lbs N	0.47	18.67	_____	
Sorghum Sudan		Seed		4	100%	10 pound	0.70	7.00	_____	
Twine Large Round		Other		6	100%	3.3 ton	0.91	3.00	_____	
<b>Total Materials &amp; Services</b>								28.67	_____	
<b>Total listed costs for Field Operations and Materials and Services</b>									119.83	_____
Interest on Operations Capital \$ 78.51 cash expense @ 5.50% for 6.0 mo.									2.16	_____
<b>Total Operating and Use Related Ownership Costs</b>									121.99	_____
<b>Overhead</b> (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	_____	
<b>Total Cost per Acre Including Overhead</b>									311.49	_____
<b>Cost per ton</b>									94.39	_____
<b>Cash Cost per ton</b>									34.72	_____