

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 42-Grass, Fall Establishment
Pivot Irrigated, 800 GPM 35 PSI, 2 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	Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
2	Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3	Roll	1		2.22	1.57	0.96	0.00	3.18	0.00	7.93	
4	Grass Drill	1		2.44	1.23	0.96	6.46	3.18	2.88	17.15	
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	0.68	0.00	2.26	0.00	5.30	
Total for Field Operations				11.11	16.57	4.17	12.29	15.84	7.68	67.66	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	6	100%	60 pound	0.24	14.40	
Total Materials & Services						89.40	

Total listed costs for Field Operations and Materials and Services						157.06	
Interest on Operations Capital \$ 133.54 cash expense @ 5.50% for 6.0 mo.						3.67	
Total Operating and Use Related Ownership Costs						160.73	
Overhead (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	
Total Cost per Acre Including Overhead						180.73	

**2017 Budget 43-Grass Hay, Large Round Bale (2.2 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	1		2.00	1.29	2.31	0.00	3.65	0.00	9.25	_____
3 Large Round Bale	2.2	ton	4.84	1.64	1.90	2.37	6.30	2.47	19.52	_____
4 Move Large Round	2.2	ton	2.42	1.14	0.95	0.00	3.15	0.13	7.79	_____
Total for Field Operations			10.83	4.86	5.84	2.37	15.36	2.60	41.86	_____
Materials & Services				Operation Index	Percent Acres Applied	Application Rate Unit		Applied Price	Total	Your Estimate
46-0-0		Fertilizer		1	100%	40 lbs N		0.38	15.20	_____
11-52-0		Fertilizer		1	100%	15 pound		0.24	3.60	_____
Twine Large Round		Other		3	100%	2.2 ton		0.91	2.00	_____
Total Materials & Services									20.80	_____
Total listed costs for Field Operations and Materials and Services									62.66	_____
Interest on Operations Capital \$ 44.70 cash expense @ 5.50% for 6.0 mo.									1.23	_____
Total Operating and Use Related Ownership Costs									63.89	_____
Overhead (accounting, liability insurance, vehicle cost, office expense)									20.00	_____
Real Estate Opportunity		Dryland (State)	\$ 3,470		per acre @	4.00%			138.80	_____
Real Estate Taxes			\$ 3,470		per acre @	1.00%			34.70	_____
Total Cost per Acre Including Overhead									257.39	_____
Cost per ton									117.00	_____
Cash Cost per ton									36.65	_____

**2017 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	0.35	0.64	1.15	0.88	4.29	
2	Fallow Master	1	1.76	1.78	0.26	0.96	3.77	1.64	10.17	
3	Rod Weeder	1	1.52	1.05	0.65	0.23	2.17	0.99	6.61	
4	Spray Fertilizer	1	1.00	0.27	0.35	0.19	1.15	2.21	5.17	
5	Drill	1	1.76	1.03	0.69	2.94	2.29	2.62	11.33	
6	Spray	1	1.00	0.27	0.35	0.64	1.15	0.88	4.29	
7	Windrow Grain	1	2.00	1.29	2.31	0.00	3.65	0.00	9.25	
8	Combine Small Grain	1	3.14	3.87	7.31	0.94	5.99	2.84	24.09	
9	Truck	Custom								
Total for Field Operations			13.18	9.83	12.27	6.54	21.32	12.06	75.20	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Glyphosate w/Surf	Herbicide	1	100%	32	ounce	0.10	3.13	
2,4-D Ester 4#	Herbicide	1	100%	1.5	pint	2.25	3.38	
21-0-0-24S	Additive	1	100%	1.7	pound	0.35	0.60	
28-0-0	Fertilizer	4	100%	45	lbs N	0.43	19.50	
Millet	Seed	5	100%	12	pound	0.45	5.40	
2,4-D Amine	Herbicide	6	100%	0.75	pint	1.75	1.31	
Dicamba	Herbicide	6	100%	0.5	ounce	0.39	0.20	
Haul Grain (Millet)	Custom	9	100%	22	cwt	0.24	5.28	
Total Materials & Services						38.80		

Total listed costs for Field Operations and Materials and Services		114.00
Interest on Operations Capital \$ 80.62	cash expense @ 5.50% for 6.0 mo.	2.22
Total Operating and Use Related Ownership Costs		116.22
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity	Dryland (Panhandle) \$ 745 per acre @ 4.00%	29.80
Real Estate Taxes	\$ 745 per acre @ 1.00%	7.45
Total Cost per Acre Including Overhead		173.47
Cost per cwt		7.88
Cash Cost per cwt		4.10

**2017 Budget 45-Millet, No-Till (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	0.35	0.64	1.15	0.88	4.29	
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
3 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
4 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
5 Windrow Grain	1		2.00	1.29	2.31	0.00	3.65	0.00	9.25	
6 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
7 Truck	Custom									
Total for Field Operations			9.97	7.28	11.39	3.98	15.48	10.35	58.45	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surf
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
28-0-0	Fertilizer	2	100%	45 lbs N	0.43	19.50		
Glyphosate w/Surf	Herbicide	2	100%	20 ounce	0.10	1.95		
Vida	Herbicide	2	100%	2 ounce	9.00	18.00		
Millet	Seed	3	100%	12 pound	0.45	5.40		
2,4-D Amine	Herbicide	4	100%	0.75 pint	1.75	1.31		
Dicamba	Herbicide	4	100%	0.5 ounce	0.39	0.20		
Haul Grain (Millet)	Custom	7	100%	22 cwt	0.24	5.28		
Total Materials & Services							55.76	

Total listed costs for Field Operations and Materials and Services 114.21

Interest on Operations Capital \$ 88.38 cash expense @ 5.50% for 6.0 mo. 2.43

Total Operating and Use Related Ownership Costs 116.64

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

Real Estate Opportunity \$ 745 per acre @ 4.00% 29.80

Real Estate Taxes \$ 745 per acre @ 1.00% 7.45

Total Cost per Acre Including Overhead 173.89

Cost per cwt 7.90

Cash Cost per cwt 4.13

**2017 Budget 46-Oats, No-Till, 90 bu Yield Goal (85 bu 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 Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
2 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
5 Truck		Custom								
Total for Field Operations			6.97	5.72	8.73	3.34	10.68	9.47	44.91	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							28-0-0
Oats	Seed	2	100%	2 bushel	9.00	18.00	
10-34-0	Fertilizer	2	100%	6 gallon	2.40	14.40	
Aim 2EC	Herbicide	3	100%	0.5 ounce	6.25	3.13	
2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.25	1.13	
NIS	Additive	3	100%	6 ounce	0.13	0.75	
Haul Grain Bushels	Custom	5	100%	85 bushel	0.11	9.35	
Total Materials & Services						90.09	

Total listed costs for Field Operations and Materials and Services					135.00	
Interest on Operations Capital \$ 114.85	cash expense @	5.50%	for 6.0 mo.		3.16	
Total Operating and Use Related Ownership Costs						138.16
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,470	per acre @	4.00%	138.80	
Real Estate Taxes		\$ 3,470	per acre @	1.00%	34.70	
Total Cost per Acre Including Overhead						331.66
Cost per bu					3.90	
Cash Cost per bu					1.80	

2017 Budget 47-Pasture, Grazing (11 AUM Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 18 acre/inches

	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
Field Operations										
1 Pivot D 125' Lift	18	ai	12.50	86.42	6.17	29.05	8.94	17.38	160.46	
Total for Field Operations			12.50	86.42	6.17	29.05	8.94	17.38	160.46	
				Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
Materials & Services										
28-0-0		Fertilizer		1	100%	220 lbs N	0.43	95.33		
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		
Total Materials & Services								119.33		
Total listed costs for Field Operations and Materials and Services								279.79		
Interest on Operations Capital \$ 253.47 cash expense @ 5.50% for 6.0 mo.								6.97		
Total Operating and Use Related Ownership Costs								286.76		
Overhead (accounting, liability insurance, vehicle cost, office expense)								20.00		
Real Estate Opportunity		Pivot (Marginal Land)	\$ 4,858		per acre @	4.00%		194.32		
Real Estate Taxes			\$ 4,858		per acre @	1.00%		48.58		
Total Cost per Acre Including Overhead								549.66		
Cost per AUM								49.97		
Cash Cost per AUM								28.09		

**2017 Budget 48-Peas, No-Till (35 bu 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 No-Till Drill	1		1.83	1.31	0.72	1.57	2.39	3.54	11.36	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Combine Small Grain	1		3.14	3.87	7.31	0.94	5.99	2.84	24.09	
4 Truck	Custom									
Total for Field Operations			5.97	5.45	8.38	3.15	9.53	7.26	39.74	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
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	7.03	14.06	
Glyphosate w/Surf	Herbicide	2	100%	32	ounce	0.10	3.13	
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	
Total Materials & Services						83.64		

Total listed costs for Field Operations and Materials and Services		123.38
Interest on Operations Capital \$ 106.59 cash expense @ 5.50% for 6.0 mo.		2.93
Total Operating and Use Related Ownership Costs		126.31
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity Dryland (Panhandle) \$ 745 per acre @ 4.00%		29.80
Real Estate Taxes \$ 745 per acre @ 1.00%		7.45
Total Cost per Acre Including Overhead		183.56
Cost per bu		5.24
Cash Cost per bu		3.13

**2017 Budget 49-Sorghum-Sudan, Annually Planted, Large Round Bale (3.3 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 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	_____
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	_____
3 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	_____
4 Drill	1		1.76	1.03	0.69	2.94	2.29	2.62	11.33	_____
5 Swath/Condition Hay	1		2.00	1.29	2.31	0.00	3.65	0.00	9.25	_____
6 Large Round Bale	3.3	ton	7.26	2.46	2.85	3.55	9.46	3.70	29.28	_____
7 Move Large Round	3.3	ton	3.63	1.71	1.42	0.00	4.73	0.20	11.69	_____
Total for Field Operations			19.14	10.14	8.50	9.28	27.51	11.60	86.17	_____

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
28-0-0	Fertilizer	2	100%	40 lbs N	0.43	17.33	_____
Sorghum Sudan	Seed	4	100%	10 pound	0.60	6.00	_____
Twine Large Round	Other	6	100%	3.3 ton	0.91	3.00	_____
Total Materials & Services					26.33	_____	

Total listed costs for Field Operations and Materials and Services					112.50	_____
Interest on Operations Capital	\$ 73.39	cash expense @	5.50%	for 6.0 mo.	2.02	_____
Total Operating and Use Related Ownership Costs					114.52	_____

Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	_____
Real Estate Opportunity	Dryland (State)	\$ 3,470	per acre @	4.00%	138.80	_____
Real Estate Taxes		\$ 3,470	per acre @	1.00%	34.70	_____
Total Cost per Acre Including Overhead					308.02	_____

Cost per ton					93.34	_____
Cash Cost per ton					33.37	_____