

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>.

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**2018 Budget 47-Grass, Conventional Tillage, Fall Establishment
Pivot Irrigated Diesel, 800 GPM 35 PSI, 2 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 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
3 Roll	1		2.22	1.71	0.96	0.00	3.00	0.00	7.89	
4 Grass Drill	1		2.44	1.34	0.96	6.46	3.00	2.59	16.79	
5 Pivot D 125' Lift	2	ai	1.39	10.46	0.69	3.23	0.92	1.77	18.46	
6 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
Total for Field Operations			11.11	18.05	4.17	12.93	14.88	8.52	69.66	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Grass Seed	Seed	4	100%	1 acre	75.00	75.00
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

Interest on Operations Capital \$ 135.66 cash expense @ 5.50% for 6.0 mo.

159.06
3.73

Total Operating and Use Related Ownership Costs

162.79

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

20.00

Real Estate Opportunity Fall Establishment \$ - per acre @ 3.00%

Real Estate Taxes \$ - per acre @ 1.00%

0.00
0.00

Total Cost per Acre Including Overhead

182.79

2018 Budget 48-Grass Hay, Large Round Bale (2.2 ton Actual Yield)

Field Operations		Times or Qty	Labor @ Unit	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	1		2.00	1.41	2.31	0.35	3.33	8.35	17.75	
3	Large Round Bale	2.2	ton	4.84	1.78	1.90	2.37	5.93	2.28	19.10	
4	Move Large Round	2.2	ton	2.42	1.24	0.95	0.00	2.97	0.12	7.70	
Total for Field Operations				10.83	5.29	5.84	3.36	14.35	12.26	51.93	
Materials & Services					Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
46-0-0			Fertilizer		1	100%	40 lbs N	0.36	14.40		
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									20.00		
Total listed costs for Field Operations and Materials and Services										71.93	
Interest on Operations Capital \$ 45.32 cash expense @ 5.50% for 6.0 mo.									1.25		
Total Operating and Use Related Ownership Costs										73.18	
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										218.98	
Cost per ton										99.53	
Cash Cost per ton										21.17	

**2018 Budget 49-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 @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
2 Fallow Master	1		1.76	1.94	0.26	0.96	3.52	1.51	9.95	
3 Rod Weeder	1		1.52	1.14	0.65	0.23	2.04	0.91	6.49	
4 Spray Fertilizer	1		1.00	0.30	0.35	0.19	1.08	2.03	4.95	
5 Drill	1		1.76	1.12	0.69	2.94	2.16	2.35	11.02	
6 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
7 Windrow Grain	1		2.00	1.41	2.31	0.00	3.33	0.85	9.90	
8 Combine Small Grain	1		3.14	4.21	7.31	0.94	5.84	2.65	24.09	
9 Truck		Custom								
Total for Field Operations			13.18	10.72	12.27	5.84	20.13	10.38	72.52	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surfactant
2,4-D Ester LV4	Herbicide	1	100%	1.5 pint	2.13	3.19		
21-0-0-24S	Additive	1	100%	1.7 pound	0.28	0.48		
28-0-0	Fertilizer	4	100%	45 lbs N	0.37	16.50		
Millet	Seed	5	100%	12 pound	0.45	5.40		
2,4-D Amine	Herbicide	6	100%	0.75 pint	1.63	1.22		
Dicamba	Herbicide	6	100%	0.5 ounce	0.34	0.17		
Haul Grain (Millet)	Custom	9	100%	22 cwt	0.24	5.28		
Total Materials & Services							35.99	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 78.00	cash expense @ 5.50% for 6.0 mo.	108.51
		2.15
Total Operating and Use Related Ownership Costs		110.66

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

Real Estate Opportunity	Dryland (Panhandle)	\$ 715	per acre @ 3.00%	21.45
Real Estate Taxes		\$ 715	per acre @ 1.00%	7.15
Total Cost per Acre Including Overhead				159.26

Cost per cwt	7.24
Cash Cost per cwt	3.64

**2018 Budget 50-Millet, No Till (22 cwt Actual Yield)
Dryland**

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	Spray Herbicide	1	1.00	0.30	0.35	0.29	1.08	0.04	3.06	
2	Spray Fertilizer	1	1.00	0.30	0.35	0.19	1.08	2.03	4.95	
3	No-Till Drill	1	1.83	1.43	0.72	1.57	2.25	3.21	11.01	
4	Spray Herbicide	1	1.00	0.30	0.35	0.29	1.08	0.04	3.06	
5	Windrow Grain	1	2.00	1.41	2.31	0.00	3.33	0.85	9.90	
6	Combine Small Grain	1	3.14	4.21	7.31	0.94	5.84	2.65	24.09	
7	Truck	Custom								
Total for Field Operations			9.97	7.95	11.39	3.28	14.66	8.82	56.07	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
21-0-0-24S	Additive	1	100%	1.7 pound	0.28	0.48	
28-0-0	Fertilizer	2	100%	45 lbs N	0.37	16.50	
Glyphosate w/Surfactant	Herbicide	2	100%	20 ounce	0.12	2.34	
Vida	Herbicide	2	100%	2 ounce	4.06	8.13	
Millet	Seed	3	100%	12 pound	0.45	5.40	
2,4-D Amine	Herbicide	4	100%	0.75 pint	1.63	1.22	
Dicamba	Herbicide	4	100%	0.5 ounce	0.34	0.17	
Haul Grain (Millet)	Custom	7	100%	22 cwt	0.24	5.28	
Total Materials & Services						43.74	

Total listed costs for Field Operations and Materials and Services						99.81	
Interest on Operations Capital	\$ 76.33	cash expense @	5.50%	for 6.0 mo.		2.10	
Total Operating and Use Related Ownership Costs						101.91	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (Panhandle)	\$ 715	per acre @	3.00%		21.45	
Real Estate Taxes		\$ 715	per acre @	1.00%		7.15	
Total Cost per Acre Including Overhead						150.51	
Cost per cwt						6.84	
Cash Cost per cwt						3.56	

**2018 Budget 51-Oats, No Till, 90 bu Yield Goal (85 bu Actual Yield)
Dryland**

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 Spray Fertilizer	1		1.00	0.30	0.35	0.19	1.08	2.03	4.95	
2 No-Till Drill	1		1.83	1.43	0.72	1.57	2.25	3.21	11.01	
3 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
4 Combine Small Grain	1		3.14	4.21	7.31	0.94	5.84	2.65	24.09	
5 Truck	Custom									
Total for Field Operations			6.97	6.24	8.73	2.99	10.25	7.93	43.11	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Oats	Seed	2	100%	2 bushel	11.00	22.00	
10-34-0	Fertilizer	2	100%	6 gallon	2.30	13.80	
Aim 2EC	Herbicide	3	100%	0.5 ounce	5.94	2.97	
2,4-D Ester LV4	Herbicide	3	100%	0.5 pint	2.13	1.06	
NIS	Additive	3	100%	6 ounce	0.09	0.52	
Haul Grain Bushels	Custom	5	100%	85 bushel	0.11	9.35	
Total Materials & Services						86.37	

Total listed costs for Field Operations and Materials and Services 129.48

Interest on Operations Capital \$ 111.30 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs 132.54

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 278.34

Cost per bu 3.27

Cash Cost per bu 1.35

2018 Budget 52-Pasture, Grazing (11 AUM Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 18 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 Pivot D 125' Lift	18	ai	12.50	94.10	6.17	29.05	8.26	15.95	166.03	
Total for Field Operations			12.50	94.10	6.17	29.05	8.26	15.95	166.03	
Materials & Services										
				Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
28-0-0		Fertilizer		1	100%	220 lbs N	0.37	80.67		
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		
Total Materials & Services								104.67		
Total listed costs for Field Operations and Materials and Services								270.70		
Interest on Operations Capital \$ 246.49 cash expense @ 5.50% for 6.0 mo.								6.78		
Total Operating and Use Related Ownership Costs								277.48		
Overhead (accounting, liability insurance, vehicle cost, office expense)								20.00		
Real Estate Opportunity		Pivot (Marginal Land)	\$ 4,407		per acre @		3.00%	132.20		
Real Estate Taxes			\$ 4,407		per acre @		1.00%	44.07		
Total Cost per Acre Including Overhead								473.75		
Cost per AUM								43.07		
Cash Cost per AUM								23.02		

**2018 Budget 53-Peas, No Till (35 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
				Power	Imp.	Power	Imp.		
1 No-Till Drill	1	1.83	1.43	0.72	1.57	2.25	3.21	11.01	
2 Spray Herbicide	1	1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Combine Small Grain	1	3.14	4.21	7.31	0.94	5.84	2.65	24.09	
4 Truck	Custom								
Total for Field Operations		5.97	5.94	8.38	2.80	9.17	5.90	38.16	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							Peas
Pea Seed Inoculant	Fungicide	1	100%	1 pound	8.00	8.00	
Sharpen	Herbicide	2	100%	2 ounce	6.80	13.59	
Glyphosate w/Surfactant	Herbicide	2	100%	32 ounce	0.12	3.75	
21-0-0-24S	Additive	2	100%	1.7 pound	0.28	0.48	
Haul Grain Bushels	Custom	4	100%	35 bushel	0.11	3.85	
Total Materials & Services						83.67	

Total listed costs for Field Operations and Materials and Services 121.83

Interest on Operations Capital \$ 106.76 cash expense @ 5.50% for 6.0 mo. 2.94

Total Operating and Use Related Ownership Costs 124.77

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

Real Estate Opportunity Dryland (Panhandle) \$ 715 per acre @ 3.00% 21.45

Real Estate Taxes \$ 715 per acre @ 1.00% 7.15

Total Cost per Acre Including Overhead 173.37

Cost per bu 4.95

Cash Cost per bu 3.13

**2018 Budget 54-Sorghum-Sudan, Annually Planted, Conventional Tillage, Large Round Bale (3.3 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	Disk	1	2.02	2.14	0.30	1.27	4.04	1.14	10.91	_____	
2	Spray Fertilizer	1	1.00	0.30	0.35	0.19	1.08	2.03	4.95	_____	
3	Field Cultivation	1	1.47	1.54	0.58	1.33	1.80	1.51	8.23	_____	
4	Drill	1	1.76	1.12	0.69	2.94	2.16	2.35	11.02	_____	
5	Swath/Condition Hay	1	2.00	1.41	2.31	0.35	3.33	8.35	17.75	_____	
6	Large Round Bale	3.3	ton	7.26	2.67	2.85	3.55	8.90	3.41	28.64	_____
7	Move Large Round	3.3	ton	3.63	1.86	1.42	0.00	4.45	0.18	11.54	_____
Total for Field Operations			19.14	11.04	8.50	9.63	25.76	18.97	93.04	_____	
Materials & Services				Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate		
28-0-0		Fertilizer	2	100%	40 lbs N	0.37	14.67	_____			
Sorghum Sudan		Seed	4	100%	10 pound	0.90	9.00	_____			
Twine Large Round		Other	6	100%	3.3 ton	0.91	3.00	_____			
Total Materials & Services								26.67	_____		
Total listed costs for Field Operations and Materials and Services								119.71	_____		
Interest on Operations Capital \$ 74.98 cash expense @ 5.50% for 6.0 mo.								2.06	_____		
Total Operating and Use Related Ownership Costs								121.77	_____		
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								267.57	_____		
Cost per ton								81.08	_____		
Cash Cost per ton								23.35	_____		