

2020 Nebraska Crop Budgets

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The 2020 Nebraska Crop budget projections were created using cropping practice norms for many producers in Nebraska. However, each individual farming operation is unique.

These budgets are available in both Adobe PDF and Excel worksheet formats. Producers can 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 that no alterations have been made or unrealistic data entered. Therefore, 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 <https://cropwatch.unl.edu/budgets>.

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2020 Budget 49-Grass, Fall Establishment
Pivot Irrigated Diesel, 800 GPM 35 PSI, 2 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
3 Grass Drill	1		3.06	1.25	1.05	6.56	3.29	2.63	17.84	
4 Roll	1		2.78	1.58	1.05	0.00	3.29	0.00	8.70	
5 Pivot D 125' Lift	2	ai	1.74	9.69	0.69	3.46	1.30	1.90	18.78	
6 Spread Fertilizer	1		1.97	0.79	0.75	0.00	2.33	0.00	5.84	
Total for Field Operations			13.90	16.72	4.77	12.81	17.58	7.37	73.15	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Grass Seed	Seed	3	100%	1 acre	75.00	75.00	
11-52-0	Fertilizer	6	100%	60 pound	0.23	13.80	
Total Materials & Services						88.80	

Total listed costs for Field Operations and Materials and Services						161.95	
Interest on Operations Capital \$ 137.00 cash expense @ 5.50% for 6.0 mo.						3.77	
Total Operating and Use Related Ownership Costs						165.72	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%		0.00	
Real Estate Taxes		\$ -	per acre @	1.35%		0.00	
Total Cost per Acre Including Overhead						185.72	

2020 Budget 50-Grass Hay, Large Round Bales, 2.2 ton Yield

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.79	0.75	0.00	2.33	0.00	5.84	
2 Swath/Condition Hay	1		2.50	1.31	2.61	0.00	2.23	0.00	8.65	
3 Bale Large Round	2.2	ton	5.04	1.38	1.74	1.97	5.42	2.63	18.18	
4 Move Large Round	2.2	ton	2.88	1.09	0.99	0.00	3.10	0.12	8.18	
Total for Field Operations			12.39	4.57	6.09	1.97	13.08	2.75	40.85	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							46-0-0
11-52-0	Fertilizer	1	100%	15 pound	0.23	3.45	
Twine Large Round	Other	3	100%	2.2 ton	0.91	2.00	
Total Materials & Services						22.65	

Total listed costs for Field Operations and Materials and Services 63.50

Interest on Operations Capital \$ 47.67 cash expense @ 5.50% for 6.0 mo.

1.31

Total Operating and Use Related Ownership Costs 64.81

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

Real Estate Opportunity[^] Dryland (State) \$ 3,040 per acre @ 3.00% 91.20

Real Estate Taxes \$ 3,040 per acre @ 1.35% 41.04

Total Cost per Acre Including Overhead 217.05

Cash Cost per ton ^{^Ownership and RE Opportunity not included in cash costs.} 50.01

Cost of production per ton 98.66

2020 Budget 51-Millet, Panhandle, Stubble Mulch Fallow, Followed by Wheat, Two Crops in Three Years, 22 cwt Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2	Sweep Plow	1		2.20	1.80	0.52	0.96	4.71	1.51	11.70	
3	Rod Weeder	1		1.89	1.06	0.72	0.23	2.24	0.91	7.05	
4	Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
5	Drill	1		2.20	1.04	0.76	3.29	2.37	2.63	12.29	
6	Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
7	Windrow Grain	1		2.50	1.31	2.61	0.00	2.23	0.00	8.65	
8	Combine Small Grain	1		3.44	3.42	7.56	0.95	8.08	3.67	27.12	
9	Truck	Custom									
Total for Field Operations				15.08	9.26	13.04	6.79	22.33	13.59	80.09	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
2,4-D Ester LV4	Herbicide	1	100%	1.5 pint	2.00	3.00		
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	1.63	1.22		
Dicamba	Herbicide	6	100%	0.5 ounce	0.39	0.20		
Haul Grain (Millet)	Custom	9	100%	22 cwt	0.24	5.28		
	Crop Insurance				7.00	7.00		
Total Materials & Services							45.95	

Total listed costs for Field Operations and Materials and Services 126.04

Interest on Operations Capital \$ 90.12 cash expense @ 5.50% for 6.0 mo. 2.48

Total Operating and Use Related Ownership Costs 128.52

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

Real Estate Opportunity^ Dryland (Panhandle) \$ 645 per acre @ 3.00% 19.35

Real Estate Taxes \$ 645 per acre @ 1.35% 8.71

Total Cost per Acre Including Overhead 176.58

Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs. 5.51

Cost of production per cwt 8.03

**2020 Budget 52-Millet, Panhandle, No Till, 22 cwt Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
4 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
5 Windrow Grain	1		2.50	1.31	2.61	0.00	2.23	0.00	8.65	
6 Combine Small Grain	1		3.44	3.42	7.56	0.95	8.08	3.67	27.12	
7 Truck	Custom									
Total for Field Operations			11.08	6.68	11.83	3.88	15.48	11.75	60.70	

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	0.35	0.60
28-0-0	Fertilizer	2	100%	45 lbs N	0.43	19.50
Glyphosate 5# w/Surfactant	Herbicide	2	100%	20 ounce	0.12	2.34
Vida	Herbicide	2	100%	2 ounce	0.47	0.94
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	0.39	0.20
Haul Grain (Millet)	Custom	7	100%	22 cwt	0.24	5.28
	Crop Insurance				7.00	7.00
Total Materials & Services						46.23

Total listed costs for Field Operations and Materials and Services						106.93
Interest on Operations Capital \$ 79.70	cash expense @	5.50%	for 6.0 mo.			2.19
Total Operating and Use Related Ownership Costs						109.12
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity [^]	Dryland (Panhandle)	\$ 645	per acre @	3.00%		19.35
Real Estate Taxes		\$ 645	per acre @	1.35%		8.71
Total Cost per Acre Including Overhead						157.18
Cash Cost per cwt	[^] Ownership and RE Opportunity not included in cash costs.					5.03
Cost of production per cwt						7.14

**2020 Budget 53-Oats, No Till, 85 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
2 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Combine Small Grain	1		3.44	3.42	7.56	0.95	8.08	3.67	27.12	
5 Truck	Custom									
Total for Field Operations			7.63	5.16	8.93	3.28	12.35	10.67	48.02	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0 Fertilizer	1	100%	100 lbs N	0.43	43.33	
Oats Seed	2	100%	2 bushel	9.00	18.00	
10-34-0 Fertilizer	2	100%	6 gallon	2.45	14.70	
Aim 2EC Herbicide	3	100%	0.5 ounce	6.25	3.13	
2,4-D Ester LV4 Herbicide	3	100%	0.5 pint	2.00	1.00	
NIS Additive	3	100%	6 ounce	0.17	1.03	
Haul Grain Bushels	5	100%	85 bushel	0.11	9.35	
Crop Insurance				10.00	10.00	
Total Materials & Services					100.54	

Total listed costs for Field Operations and Materials and Services 148.56

Interest on Operations Capital \$ 125.54 cash expense @ 5.50% for 6.0 mo. 3.45

Total Operating and Use Related Ownership Costs 152.01

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

Real Estate Opportunity[^] Dryland (State) \$ 3,040 per acre @ 3.00% 91.20

Real Estate Taxes \$ 3,040 per acre @ 1.35% 41.04

Total Cost per Acre Including Overhead 304.25

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 2.24

Cost of production per bushel 3.58

2020 Budget 54-Pasture, Grazing, 11 AUM Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 18 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Pivot D 125' Lift w/fertigation	18	ai	20.83	87.19	6.17	32.37	11.72	17.77	176.05	
Total for Field Operations			20.83	87.19	6.17	32.37	11.72	17.77	176.05	
Materials & Services			Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate		
28-0-0		Fertilizer							1	100%
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	25.00	25.00			
Total Materials & Services							124.33			
Total listed costs for Field Operations and Materials and Services								300.38		
Interest on Operations Capital \$ 270.89 cash expense @ 5.50% for 6.0 mo.								7.45		
Total Operating and Use Related Ownership Costs								307.83		
Overhead (accounting, liability insurance, vehicle cost, office expense)								20.00		
Real Estate Opportunity [^]		Pivot (Marginal Land)	\$ 4,179	per acre @	3.00%		125.37			
Real Estate Taxes			\$ 4,179	per acre @	1.35%		56.42			
Total Cost per Acre Including Overhead								509.62		
Cash Cost per AUM								32.25		
Cost of production per AUM								46.33		

[^]Ownership and RE Opportunity not included in cash costs.

**2020 Budget 55-Peas, Panhandle, No Till, 35 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Combine Small Grain	1		3.44	3.42	7.56	0.95	8.08	3.67	27.12	
4 Truck		Custom								
Total for Field Operations			6.68	4.95	8.64	3.12	11.45	7.96	42.80	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Peas
Pea Seed Inoculant	Fungicide	1	100%	1 pound	0.06	0.06		
Sharpen	Herbicide	2	100%	2 ounce	7.03	14.06		
Glyphosate 5# w/Surfactant	Herbicide	2	100%	32 ounce	0.12	3.75		
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		
	Crop Insurance				11.00	11.00		
Total Materials & Services							87.32	

Total listed costs for Field Operations and Materials and Services 130.12

Interest on Operations Capital \$ 110.71 cash expense @ 5.50% for 6.0 mo.

3.04

Total Operating and Use Related Ownership Costs 133.16

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

Real Estate Opportunity[^] Dryland (Panhandle) \$ 645 per acre @ 3.00% 19.35

Real Estate Taxes \$ 645 per acre @ 1.35% 8.71

Total Cost per Acre Including Overhead 181.22

Cash Cost per bushel [^]Ownership and RE Opportunity not included in cash costs. 4.07

Cost of production per bushel 5.18

**2020 Budget 56-Sorghum-Sudan, Annually Planted, Conventional Tillage, Large Round Bales, 5 ton Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
4 Drill	1		2.20	1.04	0.76	3.29	2.37	2.63	12.29	
5 Swath/Condition Hay	1		2.50	1.31	2.61	0.00	2.23	0.00	8.65	
6 Bale Large Round	5	ton	11.46	3.13	3.95	4.47	12.33	5.97	41.31	
7 Move Large Round	5	ton	6.55	2.49	2.26	0.00	7.04	0.28	18.62	
Total for Field Operations			28.01	11.59	11.10	10.71	32.24	14.43	108.08	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	60 lbs N	0.43	26.00
Sorghum Sudan	Seed	4	100%	10 pound	0.90	9.00
Twine Large Round	Other	6	100%	5 ton	0.91	4.55
Total Materials & Services					39.55	

Total listed costs for Field Operations and Materials and Services 147.63

Interest on Operations Capital \$ 100.96 cash expense @ 5.50% for 6.0 mo. 2.78

Total Operating and Use Related Ownership Costs 150.41

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

Real Estate Opportunity^ \$ 3,040 per acre @ 3.00% 91.20

Real Estate Taxes \$ 3,040 per acre @ 1.35% 41.04

Total Cost per Acre Including Overhead 302.65

Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs. 32.96

Cost of production per ton 60.53