

# 2021 Nebraska Crop Budgets

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The 2021 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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**2021 Budget 49-Grass, Fall Establishment**  
**Pivot Irrigated Diesel, 800 GPM 35 PSI, 2 acre/inches**

<b>Field Operations</b>		<b>Times or Qty</b>	<b>Labor @ Unit</b>	<b>Fuel @ \$1.50 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	2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2	Field Cultivation	1	1.83	0.94	0.77	1.47	2.26	1.67	8.94	
3	Grass Drill	1	3.06	0.82	1.28	6.73	3.77	2.69	18.35	
4	Roll	1	2.78	1.05	1.28	0.00	3.77	0.00	8.88	
5	Pivot D 125' Lift	2	ai	1.74	6.40	0.69	3.46	1.30	15.49	
6	Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	6.07	
<b>Total for Field Operations</b>			13.90	11.04	5.58	13.06	19.62	7.51	70.71	

<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	3	100%	1 acre	65.00	65.00	
11-52-0	Fertilizer	6	100%	60 pound	0.27	16.20	
<b>Total Materials &amp; Services</b>						81.20	

<b>Total listed costs for Field Operations and Materials and Services</b>						151.91	
Interest on Operations Capital \$ 124.78 cash expense @ 5.50% for 6.0 mo.						3.43	
<b>Total Operating and Use Related Ownership Costs</b>						155.34	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						25.00	
Real Estate Opportunity	Fall Establishment	\$	-	per acre @	3.00%	0.00	
Real Estate Taxes		\$	-	per acre @	1.25%	0.00	
<b>Total Cost per Acre Including Overhead</b>						180.34	

**2021 Budget 50-Grass Hay, Large Round Bales, 2.2 ton Yield**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	1		2.50	0.86	2.61	3.05	2.23	1.99	13.24	
3 Bale Large Round	2.2	ton	5.04	0.91	2.12	2.13	6.22	2.84	19.26	
4 Move Large Round	2.2	ton	2.88	0.72	1.21	0.00	3.55	0.12	8.48	
<b>Total for Field Operations</b>			12.39	3.01	6.85	5.18	14.67	4.95	47.05	

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	0.27	4.05	
Twine Large Round	3	100%	2.2 ton	0.91	2.00	
<b>Total Materials &amp; Services</b>					21.25	

**Total listed costs for Field Operations and Materials and Services** 68.30

Interest on Operations Capital \$ 48.68 cash expense @ 5.50% for 6.0 mo. 1.34

**Total Operating and Use Related Ownership Costs** 69.64

**Overhead** (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity<sup>^</sup> Dryland (State) \$ 3,165 per acre @ 3.00% 94.95

Real Estate Taxes \$ 3,165 per acre @ 1.25% 39.56

**Total Cost per Acre Including Overhead** 229.15

**Cash Cost per ton** <sup>^Ownership and RE Opportunity not included in cash costs.</sup> 52.08

**Cost of production per ton** 104.16

**2021 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 @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2	Sweep Plow	1		2.20	1.19	0.57	0.96	5.10	1.51	11.53	
3	Rod Weeder	1		1.89	0.70	0.88	0.23	2.57	0.91	7.18	
4	Spray Fertilizer	1		0.95	0.14	0.35	0.16	1.03	2.71	5.34	
5	Drill	1		2.20	0.69	0.92	3.38	2.71	2.69	12.59	
6	Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
7	Windrow Grain	1		2.50	0.86	2.61	0.00	2.23	0.00	8.20	
8	Combine Small Grain	1		3.44	2.26	8.37	1.14	8.94	4.38	28.53	
9	Truck	Custom									
<b>Total for Field Operations</b>				15.08	6.12	14.40	7.07	24.64	14.36	81.67	

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	0.31	0.53		
28-0-0	Fertilizer	4	100%	45 lbs N	0.38	17.25		
Millet	Seed	5	100%	12 pound	0.60	7.20		
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		
	Crop Insurance				7.00	7.00		
<b>Total Materials &amp; Services</b>							44.65	

<b>Total listed costs for Field Operations and Materials and Services</b>		126.32
Interest on Operations Capital \$ 87.32 cash expense @ 5.50% for 6.0 mo.		2.40
<b>Total Operating and Use Related Ownership Costs</b>		128.72

<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity^ <span style="border: 1px solid black; padding: 2px;">Dryland (Panhandle)</span> \$ 695 per acre @ 3.00%		20.85
Real Estate Taxes \$ 695 per acre @ 1.25%		8.69
<b>Total Cost per Acre Including Overhead</b>		183.26

<b>Cash Cost per cwt</b>	<i>^Ownership and RE Opportunity not included in cash costs.</i>	5.61
<b>Cost of production per cwt</b>		8.33

**2021 Budget 52-Millet, Panhandle, No Till, 22 cwt Yield  
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
				Power	Imp.	Power	Imp.		
1 Spray Herbicide	1	0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2 Spray Fertilizer	1	0.95	0.14	0.35	0.16	1.03	2.71	5.34	
3 No-Till Drill	1	2.29	0.87	0.96	1.81	2.83	3.68	12.44	
4 Spray Herbicide	1	0.95	0.14	0.35	0.60	1.03	1.08	4.15	
5 Windrow Grain	1	2.50	0.86	2.61	0.00	2.23	0.00	8.20	
6 Combine Small Grain	1	3.44	2.26	8.37	1.14	8.94	4.38	28.53	
7 Truck	Custom								
<b>Total for Field Operations</b>		11.08	4.41	12.99	4.31	17.09	12.93	62.81	

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	0.31	0.53	
28-0-0	Fertilizer	2	100%	45 lbs N	0.38	17.25	
Glyphosate 5# w/Surfactant	Herbicide	2	100%	20 ounce	0.09	1.88	
Vida	Herbicide	2	100%	2 ounce	4.00	8.00	
Millet	Seed	3	100%	12 pound	0.60	7.20	
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	
	Crop Insurance				7.00	7.00	
<b>Total Materials &amp; Services</b>						51.53	

**Total listed costs for Field Operations and Materials and Services** 114.34

Interest on Operations Capital \$ 84.32 cash expense @ 5.50% for 6.0 mo.

**Total Operating and Use Related Ownership Costs** 116.66

**Overhead** (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity<sup>^</sup> Dryland (Panhandle) \$ 695 per acre @ 3.00% 20.85

Real Estate Taxes \$ 695 per acre @ 1.25% 8.69

**Total Cost per Acre Including Overhead** 171.20

**Cash Cost per cwt** <sup>^</sup>Ownership and RE Opportunity not included in cash costs. 5.47

**Cost of production per cwt** 7.78

**2021 Budget 53-Oats, No Till, 85 bushel Yield  
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Fertilizer	1		0.95	0.14	0.35	0.16	1.03	2.71	5.34	
2 No-Till Drill	1		2.29	0.87	0.96	1.81	2.83	3.68	12.44	
3 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
4 Combine Small Grain	1		3.44	2.26	8.37	1.14	8.94	4.38	28.53	
5 Truck	Custom									
<b>Total for Field Operations</b>			7.63	3.41	10.03	3.71	13.83	11.85	50.46	

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	2.00	12.00		
Aim 2EC	Herbicide	3	100%	0.5 ounce	6.25	3.13		
NIS	Additive	3	100%	6 ounce	0.16	0.94		
2,4-D Ester LV4	Herbicide	3	100%	0.5 pint	2.00	1.00		
Haul Grain Bushels	Custom	5	100%	85 bushel	0.11	9.35		
Crop Insurance					10.00	10.00		
<b>Total Materials &amp; Services</b>							92.75	

**Total listed costs for Field Operations and Materials and Services** 143.21

Interest on Operations Capital \$ 117.53 cash expense @ 5.50% for 6.0 mo.

3.23

**Total Operating and Use Related Ownership Costs** 146.44

**Overhead** (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity<sup>^</sup> Dryland (State) \$ 3,165 per acre @ 3.00% 94.95

Real Estate Taxes \$ 3,165 per acre @ 1.25% 39.56

**Total Cost per Acre Including Overhead** 305.95

**Cash Cost per bushel** <sup>^</sup>Ownership and RE Opportunity not included in cash costs. 2.18

**Cost of production per bushel** 3.60

**2021 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 @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Pivot D 125' Lift w/fertigation	18	ai	20.83	57.62	6.17	32.37	11.72	17.77	146.48	
<b>Total for Field Operations</b>			20.83	57.62	6.17	32.37	11.72	17.77	146.48	
<b>Materials &amp; Services</b>										
				Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
28-0-0		Fertilizer		1	100%	220 lbs N	0.38	84.33		
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	25.00	25.00		
<b>Total Materials &amp; Services</b>								113.33		
<b>Total listed costs for Field Operations and Materials and Services</b>								259.81		
Interest on Operations Capital \$ 230.32 cash expense @ 5.50% for 6.0 mo.								6.33		
<b>Total Operating and Use Related Ownership Costs</b>								266.14		
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)								25.00		
Real Estate Opportunity <sup>^</sup>		Pivot (Marginal Land)	\$ 4,288		per acre @		3.00%	128.63		
Real Estate Taxes			\$ 4,288		per acre @		1.25%	53.59		
<b>Total Cost per Acre Including Overhead</b>								473.36		
<b>Cash Cost per AUM</b>								28.66		
<b>Cost of production per AUM</b>								43.03		

<sup>^</sup>Ownership and RE Opportunity not included in cash costs.

**2021 Budget 55-Peas, Panhandle, No Till, 35 bushel Yield  
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
				Power	Imp.	Power	Imp.		
1 No-Till Drill	1	2.29	0.87	0.96	1.81	2.83	3.68	12.44	
2 Spray Herbicide	1	0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Combine Small Grain	1	3.44	2.26	8.37	1.14	8.94	4.38	28.53	
4 Truck	Custom								
<b>Total for Field Operations</b>		6.68	3.27	9.68	3.55	12.80	9.14	45.12	

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	0.09	3.00	
21-0-0-24S	Additive	2	100%	1.7 pound	0.31	0.53	
Haul Grain Bushels	Custom	4	100%	35 bushel	0.11	3.85	
	Crop Insurance				11.00	11.00	
<b>Total Materials &amp; Services</b>					86.50		

**Total listed costs for Field Operations and Materials and Services** 131.62

Interest on Operations Capital \$ 109.68 cash expense @ 5.50% for 6.0 mo. 3.02

**Total Operating and Use Related Ownership Costs** 134.64

**Overhead** (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity<sup>^</sup> Dryland (Panhandle) \$ 695 per acre @ 3.00% 20.85

Real Estate Taxes \$ 695 per acre @ 1.25% 8.69

**Total Cost per Acre Including Overhead** 189.18

**Cash Cost per bushel** <sup>^Ownership and RE Opportunity not included in cash costs.</sup> 4.18

**Cost of production per bushel** 5.41



**2021 Budget 56-Sorghum-Sudan, Annually Planted, Conventional Tillage, Large Round Bales, 5 ton Yield  
Dryland**

Field Operations		Times or Qty	Labor @ Unit \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Disk	1	2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2	Spray Fertilizer	1	0.95	0.14	0.35	0.16	1.03	2.71	5.34	
3	Field Cultivation	1	1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4	Drill	1	2.20	0.69	0.92	3.38	2.71	2.69	12.59	
5	Swath/Condition Hay	1	2.50	0.86	2.61	3.05	2.23	1.99	13.24	
6	Bale Large Round	5	ton	11.46	2.07	4.81	4.84	14.13	6.46	43.77
7	Move Large Round	5	ton	6.55	1.64	2.75	0.00	8.07	0.28	19.29
<b>Total for Field Operations</b>			28.01	7.65	12.86	14.30	36.28	17.05	116.15	

  

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	60 lbs N	0.38	23.00	
Sorghum Sudan	Seed	4	100%	10 pound	0.90	9.00	
Twine Large Round	Other	6	100%	5 ton	0.91	4.55	
<b>Total Materials &amp; Services</b>						36.55	

  

<b>Total listed costs for Field Operations and Materials and Services</b>		152.70
Interest on Operations Capital \$ 99.37	cash expense @ 5.50% for 6.0 mo.	2.73
<b>Total Operating and Use Related Ownership Costs</b>		155.43
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity <sup>^</sup>	Dryland (State) \$ 3,165 per acre @ 3.00%	94.95
Real Estate Taxes	\$ 3,165 per acre @ 1.25%	39.56
<b>Total Cost per Acre Including Overhead</b>		314.94
<b>Cash Cost per ton</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	33.33
<b>Cost of production per ton</b>		62.99