

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 67-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 30 ton Yield
Gravity Irrigated, fed by canal, 20 acre/inches**

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 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 Spray Herbicide	Custom									
4 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5 Rotary Hoe	1		1.88	0.43	0.79	0.37	2.31	1.26	7.04	
6 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
7 Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
8 Spray Herbicide	Custom									
9 Ditch Irrigation	20	ai	27.78	0.00	6.86	0.00	15.37	0.00	50.01	
10 Spray Herbicide	Custom									
11 Aerial Spray	Custom									
12 Aerial Spray	Custom									
13 Top Beets	1		4.32	1.04	2.00	3.65	5.86	2.18	19.05	
14 Lift Beets	1		4.58	1.78	1.18	15.56	10.63	5.77	39.50	
15 Truck	Custom									
16 Subsoil	1		2.78	1.58	0.79	1.61	7.09	6.01	19.86	
Total for Field Operator			52.6	8.07	15.79	28.87	57.44	29.6	192.37	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0 Fertilizer	2	100%	13.4 gallon	2.00	26.80	
28-0-0 Fertilizer	2	100%	125 lbs N	0.38	47.92	
Spray Custom	3, 8, 10	300%	1 acre	7.00	21.00	
Glyphosate 5# w/Surfactant Herbicide	3	100%	36 ounce	0.09	3.38	
21-0-0-24S Additive	3	100%	1.7 pound	0.31	0.53	
Sugar Beets RR Poncho Seed	4	100%	1 acre	180.00	180.00	
Glyphosate 5# w/Surfactant Herbicide	8	100%	36 ounce	0.09	3.38	
21-0-0-24S Additive	8	100%	1.7 pound	0.31	0.53	
Irrigation District O&M Charge Other	9	100%	1 acre	30.00	30.00	
Glyphosate 5# w/Surfactant Herbicide	10	100%	36 ounce	0.09	3.38	
21-0-0-24S Additive	10	100%	1.7 pound	0.31	0.53	
Aerial Spray Custom	11	100%	1 acre	10.00	10.00	
Quadris Fungicide	11	100%	7 ounce	1.72	12.03	
Aerial Spray Custom	12	50%	1 acre	10.00	5.00	
Proline 480 SC Fungicide	12	50%	5 ounce	5.39	13.48	
Haul Beets Custom	15	100%	30 ton	5.00	150.00	
Scouting Sugar Beets Scouting		100%	1 acre	16.00	16.00	
Crop Insurance					35.00	35.00
Total Materials & Services					558.96	

Total listed costs for Field Operations and Materials and Services		751.33
Interest on Operations Capital \$ 664.29 cash expense @ 5.50% for 6.0 mo.		18.27
Total Operating and Use Related Ownership Costs		769.60

Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^] Gravity (Panhandle) \$ 2,135 per acre @ 3.00%		64.05
Real Estate Taxes \$ 2,135 per acre @ 1.25%		26.69
Total Cost per Acre Including Overhead		885.34

Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	24.47
Cost of production per ton		29.51

**2021 Budget 68-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 30 ton Yield
Gravity Irrigated, fed by canal, 20 acre/inches**

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 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 Spray Herbicide	Custom									
4 Plow	1		3.67	1.38	0.95	0.93	8.50	0.57	16.00	
5 Roller Harrow	1		2.50	0.86	1.16	0.57	3.39	1.67	10.15	
6 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
7 Field Cultivation	2		3.67	1.89	1.54	2.94	4.52	3.33	17.89	
8 Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
9 Spray Herbicide	Custom									
10 Ditch Irrigation	20	ai	27.78	0.00	6.86	0.00	15.37	0.00	50.01	
11 Spray Herbicide	Custom									
12 Aerial Spray	Custom									
13 Aerial Spray	Custom									
14 Top Beets	1		4.32	1.04	2.00	3.65	5.86	2.18	19.05	
15 Lift Beets	1		4.58	1.78	1.18	15.56	10.63	5.77	39.50	
16 Truck	Custom									
17 Subsoil	1		2.78	1.58	0.79	1.61	7.09	6.01	19.86	
Total for Field Operations			58.06	11.22	17.60	32.50	68.46	32.39	220.23	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							10-34-0
28-0-0	Fertilizer	2	100%	125 lbs N	0.38	47.92	
Spray	Custom	3, 9, & 11	300%	1 acre	7.00	21.00	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	3	100%	1.7 pound	0.31	0.53	
Sugar Beets RR Poncho	Seed	6	100%	1 acre	180.00	180.00	
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	9	100%	1.7 pound	0.31	0.53	
Irrigation District O&M Charge	Other	10	100%	1 acre	30.00	30.00	
Glyphosate 5# w/Surfactant	Herbicide	11	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	11	100%	1.7 pound	0.31	0.53	
Aerial Spray	Custom	12	100%	1 acre	10.00	10.00	
Quadris	Fungicide	12	100%	7 ounce	1.72	12.03	
Aerial Spray	Custom	13	50%	1 acre	10.00	5.00	
Proline 480 SC	Fungicide	13	50%	5 ounce	5.39	13.48	
Haul Beets	Custom	16	100%	30 ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00	
	Crop Insurance				35.00	35.00	
Total Materials & Services						558.96	

Total listed costs for Field Operations and Materials and Services		779.19
Interest on Operations Capital \$ 678.34 cash expense @ 5.50% for 6.0 mo.		18.65
Total Operating and Use Related Ownership Costs		797.84

Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^] Gravity (Panhandle) \$ 2,135 per acre @ 3.00%		64.05
Real Estate Taxes \$ 2,135 per acre @ 1.25%		26.69
Total Cost per Acre Including Overhead		913.58

Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	24.96
Cost of production per ton		30.45

**2021 Budget 69-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 30 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 acre/inches**

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 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 Spray Herbicide	Custom									
4 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
6 Spray Herbicide	Custom									
7 Pivot D 125' Lift	16	ai	13.89	51.21	5.49	27.67	10.42	15.19	123.87	
8 Spray Herbicide	Custom									
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Top Beets	1		4.32	1.04	2.00	3.65	5.86	2.18	19.05	
12 Lift Beets	1		4.58	1.78	1.18	15.56	10.63	5.77	39.50	
13 Truck	Custom									
14 Subsoil	1		2.78	1.58	0.79	1.61	7.09	6.01	19.86	
Total for Field Operations			34.54	58.08	12.67	55.80	47.35	42.01	250.45	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	125 lbs N	0.38	47.92	
Spray	Custom	3, 6, and 8	300%	1 acre	7.00	21.00	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	3	100%	1.7 pound	0.31	0.53	
Sugar Beets RR Poncho	Seed	4	100%	1 acre	180.00	180.00	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	6	100%	1.7 pound	0.31	0.53	
Glyphosate 5# w/Surfactant	Herbicide	8	100%	36 ounce	0.09	3.38	
21-0-0-24S	Additive	8	100%	1.7 pound	0.31	0.53	
Aerial Spray	Custom	9	100%	1 acre	10.00	10.00	
Quadris	Fungicide	9	100%	7 ounce	1.72	12.03	
Aerial Spray	Custom	10	50%	1 acre	10.00	5.00	
Proline 480 SC	Fungicide	10	50%	5 ounce	5.39	13.48	
Haul Beets	Custom	13	100%	30 ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1 acre	30.00	30.00	
	Crop Insurance				35.00	35.00	
Total Materials & Services						542.96	

Total listed costs for Field Operations and Materials and Services		793.41
Interest on Operations Capital \$ 704.05	cash expense @ 5.50% for 6.0 mo.	19.36
Total Operating and Use Related Ownership Costs		812.77
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^]	Pivot (Panhandle) \$ 2,460 per acre @ 3.00%	73.80
Real Estate Taxes	\$ 2,460 per acre @ 1.25%	30.75
Total Cost per Acre Including Overhead		942.32
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	25.97
Cost of production per ton		31.41

**2021 Budget 70-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 30 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 acre/inches**

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 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 Plow	1		3.67	1.38	0.95	0.93	8.50	0.57	16.00	
4 Roller Harrow	1		2.50	0.86	1.16	0.57	3.39	1.67	10.15	
5 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
6 Spray Herbicide	Custom									
7 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
8 Pivot D 125' Lift	16	ai	13.89	51.21	5.49	27.67	10.42	15.19	123.87	
9 Spray Herbicide	Custom									
10 Aerial Spray	Custom									
11 Aerial Spray	Custom									
12 Top Beets	1		4.32	1.04	2.00	3.65	5.86	2.18	19.05	
13 Lift Beets	1		4.58	1.78	1.18	15.56	10.63	5.77	39.50	
14 Truck	Custom									
15 Subsoil	1		2.78	1.58	0.79	1.61	7.09	6.01	19.86	
Total for Field Operations			40.04	60.71	14.50	58.33	58.42	44.40	276.40	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	2	100%	13.4 gallon	2.00	26.80
28-0-0	Fertilizer	2	100%	125 lbs N	0.38	47.92
Spray	Custom	6 & 9	200%	1 acre	7.00	14.00
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36 ounce	0.09	3.38
21-0-0-24S	Additive	6	100%	1.7 pound	0.31	0.53
Sugar Beets RR Poncho	Seed	5	100%	1 acre	180.00	180.00
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36 ounce	0.09	3.38
21-0-0-24S	Additive	9	100%	1.7 pound	0.31	0.53
Aerial Spray	Custom	10	100%	1 acre	10.00	10.00
Quadris	Fungicide	10	100%	7 ounce	1.72	12.03
Aerial Spray	Custom	11	50%	1 acre	10.00	5.00
Proline 480 SC	Fungicide	11	50%	5 ounce	5.39	13.48
Haul Beets	Custom	14	100%	30 ton	5.00	150.00
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00
	Crop Insurance				35.00	35.00
Total Materials & Services					518.05	

Total listed costs for Field Operations and Materials and Services					794.45	
Interest on Operations Capital \$ 691.63	cash expense @	5.50%	for 6.0 mo.		19.02	
Total Operating and Use Related Ownership Costs					813.47	
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00	
Real Estate Opportunity [^]	Pivot (Panhandle)	\$ 2,460	per acre @	3.00%	73.80	
Real Estate Taxes		\$ 2,460	per acre @	1.25%	30.75	
Total Cost per Acre Including Overhead					943.02	
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.				25.55	
Cost of production per ton					31.43	