

2020 Nebraska Crop Budgets

Robert Klein, Senior Editor, Western Nebraska Crop Specialist
Glennis McClure, Extension Educator - Agricultural Economics
Roger Wilson, Farm Management / Enterprise Budget Analyst, Retired

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>.

For more information contact:
Robert Klein, 308-696-6705 or rklein1@unl.edu
Glennis McClure, 402-472-0661 or gmccclure3@unl.edu

The following individuals contributed to these budgets in their specialty area:

Jessica Groskopf	Extension Educator - Agricultural Economics
Robert Harveson	Extension Entomologist
Tamra Jackson-Ziems	Plant Pathologist - Corn and Sorghum
Jim Jansen	Extension Educator - Agricultural Economics
Paul Jasa	Extension Biological Systems Engineer
Jay Parsons	Associate Professor - Agricultural Economics
Chris Proctor	Extension Educator - Weed Management
Robert Tigner	Extension Educator - Agricultural Economics
Stephen Wegulo	Plant Pathologist - Wheat and Ornamental
Robert Wright	Extension Entomologist

Nebraska Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

Nebraska Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.

© 2019, The Board of Regents of the University of Nebraska on behalf of the University of Nebraska–Lincoln Extension. All rights reserved.

**2020 Budget 67-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 26 ton Yield
Gravity Irrigated, fed by canal, 20 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	Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3	Spray Herbicide	Custom									
4	Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5	Rotary Hoe	1		1.88	0.65	0.65	0.37	2.02	1.26	6.83	
6	Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
7	Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
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	1.58	1.64	3.65	5.11	2.18	18.48	
14	Lift Beets	1		4.58	2.69	1.09	15.56	9.82	5.77	39.51	
15	Truck	Custom									
16	Subsoil	1		2.78	2.39	0.73	1.61	6.54	6.01	20.06	
Total for Field Operator				52.6	12.2	14.46	26.43	53.28	26.24	185.21	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								10-34-0
28-0-0	Fertilizer	2	100%	115 lbs N	0.43	49.83		
Spray	Custom	3,8, 10	300%	1 acre	7.00	21.00		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.12	4.22		
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60		
Sugar Beets RR Poncho	Seed	4	100%	1 acre	180.00	180.00		
Spray	Custom	8	100%	1 acre	7.00	7.00		
Glyphosate 5# w/Surfactant	Herbicide	8	100%	36 ounce	0.12	4.22		
21-0-0-24S	Additive	8	100%	1.7 pound	0.35	0.60		
Irrigation District O&M Charge	Other	9	100%	1 acre	30.00	30.00		
Spray	Custom	10	100%	1 acre	7.00	7.00		
Glyphosate 5# w/Surfactant	Herbicide	10	100%	36 ounce	0.12	4.22		
21-0-0-24S	Additive	10	100%	1.7 pound	0.35	0.60		
Aerial Spray	Custom	11	100%	1 acre	10.00	10.00		
Quadris	Fungicide	11	100%	7 ounce	1.80	12.58		
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%	26 ton	5.00	130.00		
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00		
Crop Insurance					35.00	35.00		
Total Materials & Services							564.18	

Total listed costs for Field Operations and Materials and Services		749.39
Interest on Operations Capital \$ 669.87	cash expense @ 5.50% for 6.0 mo.	18.42
Total Operating and Use Related Ownership Costs		767.81

Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00	
Real Estate Opportunity [^]	Gravity (Panhandle) \$ 2,245	per acre @ 3.00%	67.35
Real Estate Taxes	\$ 2,245	per acre @ 1.35%	30.31
Total Cost per Acre Including Overhead		885.47	

Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	28.41
Cost of production per ton		34.06

**2020 Budget 68-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 26 ton Yield
Gravity Irrigated, fed by canal, 20 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 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 Spray Herbicide	Custom									
4 Plow	1		3.67	2.09	0.87	0.91	7.85	0.55	15.94	
5 Roller Harrow	1		2.50	1.31	0.95	0.57	2.96	1.67	9.96	
6 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
7 Field Cultivation	2		3.67	2.85	1.26	2.85	3.94	3.24	17.81	
8 Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
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	1.58	1.64	3.65	5.11	2.18	18.48	
15 Lift Beets	1		4.58	2.69	1.09	15.56	9.82	5.77	39.51	
16 Truck	Custom									
17 Subsoil	1		2.78	2.39	0.73	1.61	6.54	6.01	20.06	
Total for Field Operations			58.06	16.97	16.03	29.95	63.32	28.92	213.25	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	115 lbs N	0.43	49.83
Spray	Custom	3, 9, & 11	300%	1 acre	7.00	21.00
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.12	4.22
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60
Sugar Beets RR Poncho	Seed	6	100%	1 acre	180.00	180.00
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36 ounce	0.12	4.22
21-0-0-24S	Additive	9	100%	1.7 pound	0.35	0.60
Irrigation District O&M Charge	Other	10	100%	1 acre	30.00	30.00
Spray	Custom	11	100%	1 acre	7.00	7.00
Glyphosate 5# w/Surfactant	Herbicide	11	100%	36 ounce	0.12	4.22
21-0-0-24S	Additive	11	100%	1.7 pound	0.35	0.60
Aerial Spray	Custom	12	100%	1 acre	10.00	10.00
Quadris	Fungicide	12	100%	7 ounce	1.80	12.58
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	20%	26 ton	5.00	26.00
Scouting Sugar Beets	Scouting		30%	1 acre	16.00	4.80
Crop Insurance					35.00	35.00
Total Materials & Services					441.98	

Total listed costs for Field Operations and Materials and Services		655.23
Interest on Operations Capital \$ 562.99	cash expense @ 5.50% for 6.0 mo.	15.48
Total Operating and Use Related Ownership Costs		670.71

Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00	
Real Estate Opportunity [^]	Gravity (Panhandle) \$ 2,245	per acre @ 3.00%	67.35
Real Estate Taxes	\$ 2,245	per acre @ 1.35%	30.31
Total Cost per Acre Including Overhead		788.37	

Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	24.18
Cost of production per ton		30.32

**2020 Budget 69-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 26 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 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 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 Spray Herbicide	Custom									
4 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
6 Spray Herbicide	Custom									
7 Pivot D 125' Lift	16	ai	13.89	77.50	5.49	27.67	10.42	15.19	150.16	
8 Spray Herbicide	Custom									
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Top Beets	1		4.32	1.58	1.64	3.65	5.11	2.18	18.48	
12 Lift Beets	1		4.58	2.69	1.09	15.56	9.82	5.77	39.51	
13 Truck	Custom									
14 Subsoil	1		2.78	2.39	0.73	1.61	6.54	6.01	20.06	
Total for Field Operations			34.54	87.89	11.65	53.36	43.84	38.65	269.93	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							10-34-0
28-0-0	Fertilizer	2	100%	115 lbs N	0.43	49.83	
Spray	Custom	3, 6, and 8	300%	1 acre	7.00	21.00	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.12	4.22	
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60	
Sugar Beets RR Poncho	Seed	4	100%	1 acre	180.00	180.00	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36 ounce	0.12	4.22	
21-0-0-24S	Additive	6	100%	1.7 pound	0.35	0.60	
Glyphosate 5# w/Surfactant	Herbicide	8	100%	36 ounce	0.12	4.22	
21-0-0-24S	Additive	8	100%	1.7 pound	0.35	0.60	
Aerial Spray	Custom	9	100%	1 acre	10.00	10.00	
Quadris	Fungicide	9	100%	7 ounce	1.80	12.58	
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%	26 ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1 acre	26.00	26.00	
	Crop Insurance				35.00	35.00	
Total Materials & Services					530.18		

Total listed costs for Field Operations and Materials and Services		800.11
Interest on Operations Capital \$ 717.62 cash expense @ 5.50% for 6.0 mo.		19.73
Total Operating and Use Related Ownership Costs		819.84
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity [^] Pivot (Panhandle) \$ 2,565 per acre @ 3.00%		76.95
Real Estate Taxes \$ 2,565 per acre @ 1.35%		34.63
Total Cost per Acre Including Overhead		951.42
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.	30.46
Cost of production per ton		36.59

**2020 Budget 70-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 26 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 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 Spray Fertilizer	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
3 Plow	1		3.67	2.09	0.87	0.91	7.85	0.55	15.94	
4 Roller Harrow	1		2.50	1.31	0.95	0.57	2.96	1.67	9.96	
5 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
6 Spray Herbicide	Custom									
7 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
8 Pivot D 125' Lift	16	ai	13.89	77.50	5.49	27.67	10.42	15.19	150.16	
9 Spray Herbicide	Custom									
10 Aerial Spray	Custom									
11 Aerial Spray	Custom									
12 Top Beets	1		4.32	1.58	1.64	3.65	5.11	2.18	18.48	
13 Lift Beets	1		4.58	2.69	1.09	15.56	9.82	5.77	39.51	
14 Truck	Custom									
15 Subsoil	1		2.78	2.39	0.73	1.61	6.54	6.01	20.06	
Total for Field Operations			40.04	91.89	13.24	55.83	53.93	40.97	295.90	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	115 lbs N	0.43	49.83	
Spray	Custom	6 & 9	200%	1 acre	7.00	14.00	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36 ounce	0.12	4.22	
21-0-0-24S	Additive	6	100%	1.7 pound	0.35	0.60	
Sugar Beets RR Poncho	Seed	5	100%	1 acre	180.00	180.00	
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36 ounce	0.12	4.22	
21-0-0-24S	Additive	9	100%	1.7 pound	0.35	0.60	
Aerial Spray	Custom	10	100%	1 acre	10.00	10.00	
Quadris	Fungicide	10	100%	7 ounce	1.80	12.58	
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%	26 ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00	
	Crop Insurance				35.00	35.00	
Total Materials & Services						508.36	

Total listed costs for Field Operations and Materials and Services						804.26	
Interest on Operations Capital \$ 709.36 cash expense @ 5.50% for 6.0 mo.						19.51	
Total Operating and Use Related Ownership Costs						823.77	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity [^] Pivot (Panhandle) \$ 2,565 per acre @ 3.00%						76.95	
Real Estate Taxes \$ 2,565 per acre @ 1.35%						34.63	
Total Cost per Acre Including Overhead						955.35	
Cash Cost per ton						30.13	
Cost of production per ton						36.74	

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