

# 2017 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>.

## Additional Resource Persons

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**2017 Budget 58-Sugarbeet, Panhandle, Roundup Ready, One Pass Zone-Tillage (26 ton Actual Yield)  
Canal Irrigated, 20 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
3 Spray	Custom									
4 Till Plant Beets	1		3.67	3.56	0.55	4.89	7.85	2.57	23.09	
5 Rotary Hoe	1		1.50	0.65	0.59	0.37	1.95	1.37	6.43	
6 Row Crop Cultivation	1		2.00	0.82	0.78	0.44	2.60	1.64	8.28	
7 Ridge Cultivate/Ditch	1		1.83	1.15	0.72	0.37	2.39	1.64	8.10	
8 Spray	Custom									
9 Ditch Irrigation	20	ai	22.22	0.00	0.00	0.00	0.00	0.00	22.22	
10 Spray	Custom									
11 Aerial Spray	Custom									
12 Top Beets	1		3.45	1.56	1.49	3.32	4.95	2.16	16.93	
13 Lift Beets	1		3.67	2.67	0.55	13.70	7.85	5.51	33.95	
14 Truck	Custom									
15 Subsoil	1		2.22	2.37	0.36	1.62	5.23	6.54	18.34	
<b>Total for Field Operations</b>			43.58	15.02	5.69	26.17	38.29	24.87	153.62	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0		2	100%	13.4	gallon	2.40	32.16	
28-0-0		2	100%	115	lbs N	0.43	49.83	
Spray	3,8, 10	300%		1	acre	7.00	21.00	
Glyphosate w/Surf		3	100%	36	ounce	0.10	3.52	
21-0-0-24S		3	100%	1.7	pound	0.35	0.60	
Sugar Beets RR Poncho		4	100%	1	acre	180.00	180.00	
Spray		8	100%	1	acre	7.00	7.00	
Glyphosate w/Surf		8	100%	36	ounce	0.10	3.52	
21-0-0-24S		8	100%	1.7	pound	0.35	0.60	
Irrigation District O&M Charge		9	100%	1	acre	30.00	30.00	
Spray		10	100%	1	acre	7.00	7.00	
Glyphosate w/Surf		10	100%	36	ounce	0.10	3.52	
21-0-0-24S		10	100%	1.7	pound	0.35	0.60	
Aerial Spray		11	100%	1	acre	10.00	10.00	
Quadris		11	100%	7	ounce	2.34	16.41	
Haul Beets		14	100%	26	ton	5.00	130.00	
Scouting Sugar Beets			100%	1	acre	16.00	16.00	
						19.09	0.00	
<b>Total Materials &amp; Services</b>							511.76	

<b>Total listed costs for Field Operations and Materials and Services</b>							665.38	
Interest on Operations Capital \$ 602.22 cash expense @ 5.50% for 6.0 mo.							16.56	
<b>Total Operating and Use Related Ownership Costs</b>							681.94	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Gravity (Panhandle)	\$	2,970	per acre @	4.00%		118.80	
Real Estate Taxes		\$	2,970	per acre @	1.00%		29.70	
<b>Total Cost per Acre Including Overhead</b>							850.44	

<b>Cost per ton</b>	32.71	
<b>Cash Cost per ton</b>	23.80	

**2017 Budget 59-Sugarbeet, Panhandle, Roundup Ready, Conventional Tillage (26 ton Actual Yield)  
Gravity Irrigated, Canal, 20 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
3 Spray	Custom									
4 Plow	1		2.93	2.07	0.44	0.86	6.28	0.58	13.16	
5 Roller Harrow	1		2.00	1.29	0.86	0.52	2.87	1.64	9.18	
6 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
7 Field Cultivation	2		2.93	2.83	1.15	2.66	3.82	3.27	16.66	
8 Ridge Cultivate/Ditch	1		1.83	1.15	0.72	0.37	2.39	1.64	8.10	
9 Spray	Custom									
10 Ditch Irrigation	20	ai	22.22	0.00	0.00	0.00	0.00	0.00	22.22	
11 Spray	Custom									
12 Aerial Spray	Custom									
13 Top Beets	1		3.45	1.56	1.49	3.32	4.95	2.16	16.93	
14 Lift Beets	1		3.67	2.67	0.55	13.70	7.85	5.51	33.95	
15 Truck	Custom									
16 Subsoil	1		2.22	2.37	0.36	1.62	5.23	6.54	18.34	
<b>Total for Field Operations</b>			46.67	16.89	7.08	27.05	41.73	28.67	168.09	

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 w/Surf	Herbicide	3	100%	36 ounce	0.10	3.52
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 w/Surf	Herbicide	9	100%	36 ounce	0.10	3.52
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 w/Surf	Herbicide	11	100%	36 ounce	0.10	3.52
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	2.34	16.41
Haul Beets	Custom	15	100%	26 ton	5.00	130.00
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00
	Crop Insurance				19.09	0.00
<b>Total Materials &amp; Services</b>						504.76

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

Interest on Operations Capital \$ 602.45 cash expense @ 5.50% for 6.0 mo.

**Total Operating and Use Related Ownership Costs**

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

Real Estate Opportunity Gravity (Panhandle) \$ 2,970 per acre @ 4.00%  
Real Estate Taxes \$ 2,970 per acre @ 1.00%

**Total Cost per Acre Including Overhead**

**Cost per ton**

**Cash Cost per ton**

672.85
16.57
689.42
20.00
118.80
29.70
857.92
33.00
23.81

**2017 Budget 60-Sugarbeet, Panhandle, Roundup Ready, One Pass Zone-Tillage (26 ton Actual Yield)  
Pivot Irrigated, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
3 Spray	Custom									
4 Till Plant Beets	1		3.67	3.56	0.55	4.89	7.85	2.57	23.09	
5 Row Crop Cultivation	1		2.00	0.82	0.78	0.44	2.60	1.64	8.28	
6 Spray	Custom									
7 Pivot D 125' Lift	16	ai	11.11	76.82	5.49	25.82	7.95	15.45	142.64	
8 Spray	Custom									
9 Aerial Spray	Custom									
10 Top Beets	1		3.45	1.56	1.49	3.32	4.95	2.16	16.93	
11 Lift Beets	1		3.67	2.67	0.55	13.70	7.85	5.51	33.95	
12 Truck	Custom									
13 Subsoil	1		2.22	2.37	0.36	1.62	5.23	6.54	18.34	
<b>Total for Field Operations</b>			29.14	90.04	9.87	51.25	41.90	37.31	259.51	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	2	100%	13.4	gallon	2.40	32.16	
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 w/Surf	Herbicide	3	100%	36	ounce	0.10	3.52	
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 w/Surf	Herbicide	6	100%	36	ounce	0.10	3.52	
21-0-0-24S	Additive	6	100%	1.7	pound	0.35	0.60	
Glyphosate w/Surf	Herbicide	8	100%	36	ounce	0.10	3.52	
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	2.34	16.41	
Haul Beets	Custom	12	100%	26	ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00	
	Crop Insurance					19.09	0.00	
<b>Total Materials &amp; Services</b>						467.76		

<b>Total listed costs for Field Operations and Materials and Services</b>						727.27		
Interest on Operations Capital \$ 648.06 cash expense @ 5.50% for 6.0 mo.						17.82		
<b>Total Operating and Use Related Ownership Costs</b>						745.09		
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00		
Real Estate Opportunity	Pivot (Panhandle)	\$ 3,290	per acre @	4.00%		131.60		
Real Estate Taxes		\$ 3,290	per acre @	1.00%		32.90		
<b>Total Cost per Acre Including Overhead</b>						929.59		
<b>Cost per ton</b>						35.75		
<b>Cash Cost per ton</b>						25.61		

**2017 Budget 61-Sugarbeet, Panhandle, Roundup Ready, Conventional Tillage (26 ton Actual Yield)  
Pivot Irrigated, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
2 Spray Fertilizer	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
3 Plow	1		2.93	2.07	0.44	0.86	6.28	0.58	13.16	
4 Roller Harrow	1		2.00	1.29	0.86	0.52	2.87	1.64	9.18	
5 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
6 Spray	Custom									
7 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
8 Pivot D 125' Lift	16	ai	11.11	76.82	5.49	25.82	7.95	15.45	142.64	
9 Spray	Custom									
10 Aerial Spray	Custom									
11 Top Beets	1		3.45	1.56	1.49	3.32	4.95	2.16	16.93	
12 Lift Beets	1		3.67	2.67	0.55	13.70	7.85	5.51	33.95	
13 Truck	Custom									
14 Subsoil	1		2.22	2.37	0.36	1.62	5.23	6.54	18.34	
<b>Total for Field Operations</b>			32.27	91.14	11.28	51.17	45.38	40.85	272.09	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	2	100%	13.4	gallon	2.40	32.16	
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 w/Surf	Herbicide	6	100%	36	ounce	0.10	3.52	
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 w/Surf	Herbicide	9	100%	36	ounce	0.10	3.52	
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	2.34	16.41	
Haul Beets	Custom	13	100%	26	ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00	
Crop Insurance						19.09	0.00	
<b>Total Materials &amp; Services</b>						456.64		

<b>Total listed costs for Field Operations and Materials and Services</b>						728.73		
Interest on Operations Capital \$ 642.50 cash expense @ 5.50% for 6.0 mo.						17.67		
<b>Total Operating and Use Related Ownership Costs</b>						746.40		
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00		
Real Estate Opportunity <span style="border: 1px solid black; padding: 2px;">Pivot (Panhandle)</span> \$ 3,290 per acre @ 4.00%						131.60		
Real Estate Taxes \$ 3,290 per acre @ 1.00%						32.90		
<b>Total Cost per Acre Including Overhead</b>						930.90		
<b>Cost per ton</b>						35.80		
<b>Cash Cost per ton</b>						25.39		