

2016 Nebraska Crop Budgets

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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

The following individuals contributed to the budgets in their specialty areas:

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**2016 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	0.29	1.24	4.14	1.21	10.87	
2 Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
3 Spray	Custom									
4 Till Plant Beets	1		3.67	3.56	0.52	4.89	7.53	2.57	22.74	
5 Rotary Hoe	1		1.50	0.65	0.57	0.37	1.88	1.37	6.34	
6 Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
7 Ridge Cultivate/Ditch	1		1.83	1.15	0.69	0.37	2.30	1.64	7.98	
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	1.44	3.32	4.78	2.16	16.71	
13 Lift Beets	1		3.67	2.67	0.52	13.70	7.53	5.51	33.60	
14 Truck	Custom									
15 Subsoil	1		2.22	2.37	0.35	0.81	5.02	3.28	14.05	
Total for Field Operations			43.58	15.02	5.47	25.33	36.80	21.59	147.79	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	2	100%	13.4 gallon	2.80	37.52
28-0-0	Fertilizer	2	100%	115 lbs N	0.47	53.67
Spray	Custom	3,8, 10	300%	1 acre	7.00	21.00
Glyphosate w/Surf	Herbicide	3	100%	36 ounce	0.13	4.50
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 w/Surf	Herbicide	8	100%	36 ounce	0.13	4.50
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 w/Surf	Herbicide	10	100%	36 ounce	0.13	4.50
21-0-0-24S	Additive	10	100%	1.7 pound	0.35	0.60
Aerial Spray	Custom	11	100%	1 acre	9.50	9.50
Quadris	Fungicide	11	100%	7 ounce	3.44	24.06
Haul Beets	Custom	14	100%	26 ton	5.00	130.00
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00
Sugar Beets	Crop Insurance				19.09	19.09
Total Materials & Services					550.14	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 639.54 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) \$ 3,235 per acre @ 4.00%
Real Estate Taxes \$ 3,235 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

697.93	
17.59	
715.52	
20.00	
129.40	
32.35	
897.27	
34.51	
25.27	

**2016 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	0.29	1.24	4.14	1.21	10.87	
2 Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
3 Spray	Custom									
4 Plow	1		2.93	2.07	0.42	0.83	6.03	0.56	12.84	
5 Roller Harrow	1		2.00	1.29	0.83	0.52	2.76	1.64	9.04	
6 Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
7 Field Cultivation	2		2.93	2.83	1.11	2.56	3.69	3.14	16.26	
8 Ridge Cultivate/Ditch	1		1.83	1.15	0.69	0.37	2.30	1.64	7.98	
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	1.44	3.32	4.78	2.16	16.71	
14 Lift Beets	1		3.67	2.67	0.52	13.70	7.53	5.51	33.60	
15 Truck	Custom									
16 Subsoil	1		2.22	2.37	0.35	0.81	5.02	3.28	14.05	
Total for Field Operations			46.67	16.89	6.81	26.08	40.12	25.24	161.81	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	2	100%	13.4 gallon	2.80	37.52
28-0-0	Fertilizer	2	100%	115 lbs N	0.47	53.67
Spray	Custom	3, 9, & 11	300%	1 acre	7.00	21.00
Glyphosate w/Surf	Herbicide	3	100%	36 ounce	0.13	4.50
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	0.13	4.50
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	0.13	4.50
21-0-0-24S	Additive	11	100%	1.7 pound	0.35	0.60
Aerial Spray	Custom	12	100%	1 acre	9.50	9.50
Quadris	Fungicide	12	100%	7 ounce	3.44	24.06
Haul Beets	Custom	15	100%	26 ton	5.00	130.00
Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00
Sugar Beets	Crop Insurance				19.09	19.09
Total Materials & Services					543.14	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 639.59 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) \$ 3,235 per acre @ 4.00%
Real Estate Taxes \$ 3,235 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

704.95
17.59
722.54
20.00
129.40
32.35
904.29
34.78
25.28

**2016 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	0.29	1.24	4.14	1.21	10.87	
2 Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
3 Spray	Custom									
4 Till Plant Beets	1		3.67	3.56	0.52	4.89	7.53	2.57	22.74	
5 Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
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	1.44	3.32	4.78	2.16	16.71	
11 Lift Beets	1		3.67	2.67	0.52	13.70	7.53	5.51	33.60	
12 Truck	Custom									
13 Subsoil	1		2.22	2.37	0.35	0.81	5.02	3.28	14.05	
Total for Field Operations			29.14	90.04	9.70	50.41	40.57	34.03	253.89	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
10-34-0	Fertilizer	2	100%	13.4	gallon	2.80	37.52
28-0-0	Fertilizer	2	100%	115	lbs N	0.47	53.67
Spray	Custom	3, 6, and 8	300%	1	acre	7.00	21.00
Glyphosate w/Surf	Herbicide	3	100%	36	ounce	0.13	4.50
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	0.13	4.50
21-0-0-24S	Additive	6	100%	1.7	pound	0.35	0.60
Glyphosate w/Surf	Herbicide	8	100%	36	ounce	0.13	4.50
21-0-0-24S	Additive	8	100%	1.7	pound	0.35	0.60
Aerial Spray	Custom	9	100%	1	acre	9.50	9.50
Quadris	Fungicide	9	100%	7	ounce	3.44	24.06
Haul Beets	Custom	12	100%	26	ton	5.00	130.00
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00
Sugar Beets	Crop Insurance					19.09	19.09
Total Materials & Services						506.14	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 685.43 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 \$ 3,625 per acre @ 4.00%
Real Estate Taxes \$ 3,625 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

760.03	
18.85	
778.88	
20.00	
145.00	
36.25	
980.13	
37.70	
27.09	

**2016 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	0.29	1.24	4.14	1.21	10.87	
2	Spray Fertilizer	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
3	Plow	1		2.93	2.07	0.42	0.83	6.03	0.56	12.84	
4	Roller Harrow	1		2.00	1.29	0.83	0.52	2.76	1.64	9.04	
5	Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
6	Spray	Custom									
7	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
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	1.44	3.32	4.78	2.16	16.71	
12	Lift Beets	1		3.67	2.67	0.52	13.70	7.53	5.51	33.60	
13	Truck	Custom									
14	Subsoil	1		2.22	2.37	0.35	0.81	5.02	3.28	14.05	
Total for Field Operations				32.27	91.14	11.06	50.25	43.92	37.48	266.12	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
10-34-0	Fertilizer	2	100%	13.4	gallon	2.80	37.52	
28-0-0	Fertilizer	2	100%	115	lbs N	0.47	53.67	
Spray	Custom	6 & 9	200%	1	acre	7.00	14.00	
Glyphosate w/Surf	Herbicide	6	100%	36	ounce	0.13	4.50	
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	0.13	4.50	
21-0-0-24S	Additive	9	100%	1.7	pound	0.35	0.60	
Aerial Spray	Custom	10	100%	1	acre	9.50	9.50	
Quadris	Fungicide	10	100%	7	ounce	3.44	24.06	
Haul Beets	Custom	13	100%	26	ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00	
Sugar Beets	Crop Insurance					19.09	19.09	
Total Materials & Services							494.04	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 678.76 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 Pivot (Panhandle) \$ 3,625 per acre @ 4.00%
Real Estate Taxes \$ 3,625 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

760.16	
18.67	
778.83	
20.00	
145.00	
36.25	
980.08	
37.70	
26.82	