

2017 Nebraska Crop Budgets

Developed and
Edited by

Robert N. Klein, Senior Editor, *Western Nebraska Extension Crops Specialist*

Roger K. Wilson, *Farm Management/Enterprise Budget Analyst, (Retired)*

Jessica T. Groskopf, Extension Educator — Agricultural Economics

Jim A. Jansen, Extension Educator — Agricultural Economics

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:

Robert J. Wright, Extension Entomologist

Tamra A. Jackson-Ziems, Extension Plant Pathologist — Corn and Sorghum

Loren J. Giesler, Extension Plant Pathologist — Soybean and Turf

Stephen N. Wegulo, Extension Plant Pathologist — Wheat and Ornamental

Paul J. Jasa, Extension Biological Systems Engineer

James A. Schild, Extension Educator in Scotts Bluff and Morrill Counties

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**2017 Budget 24-Corn, Ridge Till, Bt, ECB & RW, Continuous, 230 bu Yield Goal (215 bu Actual Yield)
Gravity Irrigated, 1,000 GPM 10 PSI, 18 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 Spray Spring Burndown Herbicide	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
2 Anhydrous Apply	1		1.83	1.37	0.72	0.58	2.39	3.94	10.83	
3 Ridge Plant and Band Herbicide	1		2.40	0.88	0.86	6.89	2.87	4.62	18.52	
4 Ridge Cultivation	1		2.00	1.38	0.86	0.89	2.87	1.09	9.09	
5 Ridge Cultivate/Ditch	1		1.83	1.15	0.72	0.37	2.39	1.64	8.10	
6 Spray	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	33.33	62.72	4.94	3.42	8.40	6.08	118.89	
9 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
10 Cart	215	bu	3.07	1.08	1.21	1.97	4.00	1.26	12.59	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
Total for Field Operations			49.88	73.80	17.49	16.32	31.80	25.43	214.72	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
2,4-D Ester 4#	Herbicide	1	50%	1 pint	2.25	1.13	
Glyphosate w/Surf	Herbicide	1	50%	32 ounce	0.10	1.56	
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30	
82-0-0	Fertilizer	2	100%	215 lbs N	0.28	60.20	
Corn Bt, ECB & RW	Seed	3	80%	33.1 k seed	2.88	76.08	
Corn	Seed	3	20%	33.1 k seed	2.50	16.54	
* Capture LFR	Insecticide	3	20%	6.6 ounce	2.81	3.71	
10-34-0	Fertilizer	3	100%	6 gallon	2.40	14.40	
Bicep II Magnum	Herbicide	3	40%	1.8 quart	12.00	8.64	
Spray	Custom	6	50%	1 acre	7.00	3.50	
Laudis	Herbicide	6	50%	3 ounce	6.48	9.73	
Atrazine 90 DF	Herbicide	6	50%	0.5 pound	3.30	0.83	
Crop Oil Concentrate	Additive	6	50%	1 pint	1.13	0.56	
UAN	Additive	6	50%	3 pint	0.19	0.28	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.13	0.58	
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.48	0.59	
Spray	Custom	7	30%	1 acre	7.00	2.10	
Headline AMP	Fungicide	7	30%	10 ounce	2.66	7.97	
Haul Grain Bushels	Custom	11	100%	215 bushel	0.11	23.65	
Dry 2 Points Removed	Custom	12	100%	215 bushel	0.08	17.20	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	0.00	
Total Materials & Services						260.65	

*Insecticides for rootworm (refuge), 1st brood European Corn Borer (10% of refuge), Western Bean Cutworm, and Spider Mites, respectively.

Total listed costs for Field Operations and Materials and Services		475.37
Interest on Operations Capital \$ 418.14 cash expense @ 5.50% for 6.0 mo.		11.50
Total Operating and Use Related Ownership Costs		486.87
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity Gravity (State)	\$ 6,480 per acre @ 4.00%	259.20
Real Estate Taxes	\$ 6,480 per acre @ 1.00%	64.80
Total Cost per Acre Including Overhead		830.87
Cost per bu		3.86
Cash Cost per bu		2.30

**2017 Budget 25-Corn, Ridge Till, SmartStax RIB Complete, Continuous, 240 bu Yield Goal (225 bu Actual Yield)
Gravity Irrigated, 1,000 GPM 10 PSI, 18 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 Spray Spring Burndown Herbicide	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
2 Anhydrous Apply	1		1.83	1.37	0.72	0.58	2.39	3.94	10.83	
3 Ridge Plant and Band Herbicide	1		2.40	0.88	0.86	6.89	2.87	4.62	18.52	
4 Ridge Cultivation	1		2.00	1.38	0.86	0.89	2.87	1.09	9.09	
5 Ridge Cultivate/Ditch	1		1.83	1.15	0.72	0.37	2.39	1.64	8.10	
6 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
7 Spray	Custom									
8 Spray	Custom									
9 Pipe D 125' Lift	18	ai	33.33	62.72	4.94	3.42	8.40	6.08	118.89	
10 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
11 Cart	225	bu	3.21	1.13	1.26	2.06	4.19	1.32	13.17	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
Total for Field Operations			51.02	74.12	17.89	17.05	33.14	26.37	219.59	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
2,4-D Ester 4#	Herbicide	1	50%	1	pint	2.25	1.13	
Glyphosate w/Surf	Herbicide	1	50%	32	ounce	0.10	1.56	
21-0-0-24S	Additive	1	50%	1.7	pound	0.35	0.30	
82-0-0	Fertilizer	2	100%	225	lbs N	0.28	63.00	
Corn SmartStax RIB Complete	Seed	3	100%	34.6	k seed	4.13	142.79	
10-34-0	Fertilizer	3	100%	6	gallon	2.40	14.40	
Bicep II Magnum	Herbicide	3	40%	1.8	quart	12.00	8.64	
Glyphosate w/Surf	Herbicide	6	100%	32	ounce	0.10	3.13	
21-0-0-24S	Additive	6	100%	1.7	pound	0.35	0.60	
Status	Herbicide	6	100%	2.5	ounce	4.30	10.75	
Spray	Custom	7	10%	1	acre	7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.13	0.58	
Spray	Custom	8	30%	1	acre	7.00	2.10	
Headline AMP	Fungicide	8	30%	10	ounce	2.66	7.97	
Haul Grain Bushels	Custom	12	100%	225	bushel	0.11	24.75	
Dry 2 Points Removed	Custom	13	100%	225	bushel	0.08	18.00	
Scouting Irrigated Corn	Scouting		100%	1	acre	9.00	9.00	
Crop Insurance						6.00	0.00	
Total Materials & Services							309.40	

Total listed costs for Field Operations and Materials and Services							528.99	
Interest on Operations Capital \$ 469.48	cash expense @	5.50%	for 6.0 mo.				12.91	
Total Operating and Use Related Ownership Costs							541.90	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Gravity (State)	\$ 6,480	per acre @	4.00%			259.20	
Real Estate Taxes		\$ 6,480	per acre @	1.00%			64.80	
Total Cost per Acre Including Overhead							885.90	
Cost per bu							3.94	
Cash Cost per bu							2.43	

**2017 Budget 26-Corn, Panhandle Continuous, SmartStax RIB Complete, 190 bu Yield Goal (180 bu Actual Yield)
Canal Irrigated, Gravity, 15 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 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3 Spray Fertilizer and Herbicide	1		1.00	0.27	0.35	0.19	1.15	2.21	5.17	
4 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
5 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
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 Spray	Custom									
10 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
11 Cart	180	bu	2.57	0.91	1.01	1.65	3.35	1.05	10.54	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
15 Ditch Irrigation	15	ai	16.67	0.00	0.00	0.00	0.00	0.00	16.67	
Total for Field Operations			35.88	12.59	12.96	10.31	28.05	20.54	120.33	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
32-0-0	Fertilizer	3	100%	180 lbs N	0.42	75.60	
Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20	
10-34-0	Fertilizer	4	100%	8 gallon	2.40	19.20	
Corn SmartStax RIB Complete	Seed	4	100%	36.7 k seed	4.13	151.39	
32-0-0	Fertilizer	5	100%	40 lbs N	0.42	16.80	
Spray	Custom	8	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	8	10%	5.12 ounce	1.13	0.58	
Spray	Custom	9	10%	1 acre	7.00	0.70	
Headline AMP	Fungicide	9	10%	10 ounce	2.66	2.66	
Haul Grain Bushels	Custom	12	100%	180 bushel	0.11	19.80	
Dry 2 Points Removed	Custom	13	10%	180 bushel	0.08	1.44	
Irrigation District O&M Charge	Other	15	100%	1 acre	30.00	30.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	0.00	
Total Materials & Services						377.07	

Total listed costs for Field Operations and Materials and Services						497.40	
Interest on Operations Capital \$ 448.81	cash expense @	5.50%	for 6.0 mo.			12.34	
Total Operating and Use Related Ownership Costs						509.74	
Overhead (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	
Total Cost per Acre Including Overhead						678.24	
Cost per bu						3.77	
Cash Cost per bu						2.56	

**2017 Budget 27-Corn, No-Till, Bt, ECB & RW, Continuous, 240 bu Yield Goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 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 Spray Spring Burndown Herbicide	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Plant No-Till	1		2.40	0.87	0.86	4.41	2.87	6.77	18.18	
4 Pivot D 125' Lift w/fertigation	9	ai	8.33	43.21	3.09	15.56	4.47	9.31	83.97	
5 Spray	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
6 Spray	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
9 Cart	225	bu	3.21	1.13	1.26	2.06	4.19	1.32	13.17	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.08	49.64	13.21	24.84	19.81	23.80	150.38	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	50%	32 ounce	0.10	1.56	
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30	
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00	
Atrazine 4L	Herbicide	3	100%	1.0 quart	3.50	3.50	
Corn Bt, ECB & RW	Seed	3	80%	34.6 k seed	2.88	79.62	
Corn	Seed	3	20%	34.6 k seed	2.50	17.31	
* Capture LFR	Insecticide	3	20%	6.6 ounce	2.81	3.71	
10-34-0	Fertilizer	3	100%	6 gallon	2.40	14.40	
32-0-0 (Applied by R2)	Fertilizer	4	100%	225 lbs N	0.42	94.50	
Laudis	Herbicide	5	50%	3 ounce	6.48	9.73	
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.30	0.83	
Crop Oil Concentrate	Additive	5	50%	1 pint	1.13	0.56	
UAN	Additive	5	50%	3 pint	0.19	0.28	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.13	0.58	
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.48	0.59	
Spray	Custom	7	30%	1 acre	7.00	2.10	
Headline AMP	Fungicide	7	30%	10 ounce	2.66	7.97	
Haul Grain Bushels	Custom	10	100%	225 bushel	0.11	24.75	
Dry 2 Points Removed	Custom	11	100%	225 bushel	0.08	18.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	0.00	
Total Materials & Services						346.52	

*Insecticides for rootworm (refuge), 1st brood European Corn Borer (10% of refuge), Western Bean Cutworm, and Spider Mites, respectively.

Total listed costs for Field Operations and Materials and Services		496.90
Interest on Operations Capital \$ 453.29 cash expense @ 5.50% for 6.0 mo.		12.47
Total Operating and Use Related Ownership Costs		509.37
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <input type="text" value="Pivot (State)"/> \$ 6,940 per acre @ 4.00%		277.60
Real Estate Taxes \$ 6,940 per acre @ 1.00%		69.40
Total Cost per Acre Including Overhead		876.37
Cost per bu		3.89
Cash Cost per bu		2.38

**2017 Budget 28-Corn, No-Till, SmartStax RIB Complete, Continuous, 250 bu Yield Goal (235 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 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 Spray Spring Burndown Herbicide	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
4 Spray	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
5 Spray	Custom									
6 Spray	Custom									
7 Pivot D 125' Lift w/fertigation	9	ai	8.33	43.21	3.09	15.56	4.47	9.31	83.97	
8 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
9 Cart	235		3.36	1.18	1.32	2.15	4.37	1.38	13.76	
10 Truck	Custom	bu								
11 Dry Grain	Custom									
Total for Field Operations			19.23	49.53	13.27	23.06	19.99	20.98	146.06	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								2,4-D Ester 4#
Glyphosate w/Surf	Herbicide	1	50%	32 ounce	0.10	1.56		
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30		
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00		
Corn SmartStax RIB Complete	Seed	3	100%	36.2 k seed	4.13	149.13		
10-34-0	Fertilizer	3	100%	6 gallon	2.40	14.40		
32-0-0 (Applied by R2)	Fertilizer	7	100%	235 lbs N	0.42	98.70		
Glyphosate w/Surf	Herbicide	4	50%	32 ounce	0.10	1.56		
21-0-0-24S	Additive	4	50%	1.7 pound	0.35	0.30		
Status	Herbicide	4	50%	2.5 ounce	4.30	5.38		
Spray	Custom	5	10%	1 acre	7.00	0.70		
Brigade 2EC	Insecticide	5	10%	5.12 ounce	1.13	0.58		
Spray	Custom	6	30%	1 acre	7.00	2.10		
Headline AMP	Fungicide	6	30%	10 ounce	2.66	7.97		
Haul Grain Bushels	Custom	10	100%	235 bushel	0.11	25.85		
Dry 2 Points Removed	Custom	11	100%	235 bushel	0.08	18.80		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
	Crop Insurance				6.00	0.00		
Total Materials & Services							391.46	

Total listed costs for Field Operations and Materials and Services		537.52
Interest on Operations Capital \$ 496.55 cash expense @ 5.50% for 6.0 mo.		13.66
Total Operating and Use Related Ownership Costs		551.18
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <input type="text" value="Pivot (State)"/> \$ 6,940 per acre @ 4.00%		277.60
Real Estate Taxes \$ 6,940 per acre @ 1.00%		69.40
Total Cost per Acre Including Overhead		918.18
Cost per bu		3.91
Cash Cost per bu		2.47

**2017 Budget 29-Corn, Bt, ECB & RW, Continuous, 230 bu Yield Goal (215 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 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 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
5 Row Crop Cultivation	1		2.00	0.82	0.78	0.44	2.60	1.64	8.28	
6 Row Crop Cultivation	0.25		0.50	0.21	0.20	0.11	0.65	0.41	2.08	
7 Spray	Custom									
8 Spray	Custom									
9 Pivot D 125' Lift w/fertigation	13	ai	12.04	62.42	4.46	22.48	6.46	13.45	121.31	
10 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
11 Cart	215	bu	3.07	1.08	1.21	1.97	4.00	1.26	12.59	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
Total for Field Operations			29.42	73.97	16.75	32.66	32.27	30.76	215.83	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20	
Corn Bt, ECB & RW	Seed	4	80%	33.1 k seed	2.88	76.08	
Corn	Seed	4	20%	33.1 k seed	2.50	16.54	
10-34-0	Fertilizer	4	100%	6 gallon	2.40	14.40	
* Capture LFR	Insecticide	4	20%	6.6 ounce	2.81	3.71	
32-0-0 (Applied by R2)	Fertilizer	9	100%	215 lbs N	0.42	90.30	
* Spray	Custom	7	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.13	0.58	
* Mustang Max EC	Insecticide	7	20%	2 ounce	1.48	0.59	
Spray	Custom	8	30%	1 acre	7.00	2.10	
Headline AMP	Fungicide	8	30%	10 ounce	2.66	7.97	
Haul Grain Bushels	Custom	12	100%	215 bushel	0.11	23.65	
Dry 2 Points Removed	Custom	13	100%	215 bushel	0.08	17.20	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	0.00	
Total Materials & Services						313.42	

*Insecticides for rootworm (refuge), 1st brood European Corn Borer (10% of refuge), Western Bean Cutworm, and Spider Mites, respectively.

Total listed costs for Field Operations and Materials and Services						529.25	
Interest on Operations Capital	\$ 466.22	cash expense @	5.50%	for 6.0 mo.		12.82	
Total Operating and Use Related Ownership Costs						542.07	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,940	per acre @	4.00%		277.60	
Real Estate Taxes		\$ 6,940	per acre @	1.00%		69.40	
Total Cost per Acre Including Overhead						909.07	
Cost per bu						4.23	
Cash Cost per bu						2.55	

**2017 Budget 30-Corn, Panhandle, SmartStax RIB Complete, 190 bu Yield Goal (180 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 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 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
5 Row Crop Cultivation	1		2.00	0.82	0.78	0.44	2.60	1.64	8.28	
6 Spray	Custom									
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Pivot E 125' Lift w/fertigation	13		12.04	36.23	3.80	22.48	6.89	13.45	94.89	
10 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
11 Cart	180	bu	2.57	0.91	1.01	1.65	3.35	1.05	10.54	
12 Truck	Custom									
13 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
Total for Field Operations			28.42	47.40	15.69	32.23	31.40	30.14	185.28	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
32-0-0	Fertilizer	3	100%	180 lbs N	0.42	75.60	
Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20	
10-34-0	Fertilizer	4	100%	8 gallon	2.40	19.20	
Corn SmartStax RIB Complete	Seed	4	100%	36.8 k seed	4.13	151.80	
32-0-0 (Applied by R2)	Fertilizer	8	100%	40 lbs N	0.42	16.80	
Spray	Custom	6	100%	1 acre	7.00	7.00	
Glyphosate w/Surf	Herbicide	6	100%	32 ounce	0.10	3.13	
Dicamba	Herbicide	6	100%	12 ounce	0.39	4.69	
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.13	0.58	
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00	
Headline AMP	Fungicide	7	10%	10 ounce	2.66	2.66	
Electricity Fixed	Other	8	100%	1 acre	30.00	30.00	
Haul Grain Bushels	Custom	11	100%	180 bushel	0.11	19.80	
Dry 2 Points Removed	Custom	11	10%	180 bushel	0.08	1.44	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	0.00	
Total Materials & Services						392.90	

Total listed costs for Field Operations and Materials and Services						578.18	
Interest on Operations Capital	\$ 516.64	cash expense @	5.50%	for 6.0 mo.		14.21	
Total Operating and Use Related Ownership Costs						592.39	
Overhead (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	
Total Cost per Acre Including Overhead						776.89	
Cost per bu						4.32	
Cash Cost per bu						2.95	

**2017 Budget 31-Corn, SmartStax RIB Complete, Continuous 240 bu Yield Goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 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 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
3 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Plant	1		2.40	0.71	0.86	2.54	2.87	3.89	13.27	
5 Row Crop Cultivation	1		2.00	0.82	0.78	0.44	2.60	1.64	8.28	
6 Row Crop Cultivation	0.25		0.50	0.21	0.20	0.11	0.65	0.41	2.08	
7 Spray	Custom									
8 Spray	Custom									
9 Pivot D 125' Lift w/fertigation	13	ai	12.04	62.42	4.46	22.48	6.46	13.45	121.31	
10 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
11 Cart	225	bu	3.21	1.13	1.26	2.06	4.19	1.32	13.17	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.70	0.35	2.32	1.72	8.07	
Total for Field Operations			29.56	74.02	16.80	32.75	32.46	30.82	216.41	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20	
Corn SmartStax RIB Complete	Seed	4	100%	34.6 k seed	4.13	142.79	
10-34-0	Fertilizer	4	100%	6 gallon	2.40	14.40	
32-0-0 (Applied by R2)	Fertilizer	9	100%	225 lbs N	0.42	94.50	
Spray	Custom	7	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.13	0.58	
Spray	Custom	8	30%	1 acre	7.00	2.10	
Headline AMP	Fungicide	8	30%	10 ounce	2.66	7.97	
Haul Grain Bushels	Custom	12	100%	225 bushel	0.11	24.75	
Dry 2 Points Removed	Custom	13	100%	225 bushel	0.08	18.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.21	0.00	
Total Materials & Services		31,200 seeds per acre, 80,000 per bag, 5% Refuge				363.99	

Total listed costs for Field Operations and Materials and Services		580.40
Interest on Operations Capital \$ 517.12 cash expense @ 5.50% for 6.0 mo.		14.22
Total Operating and Use Related Ownership Costs		594.62
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity Pivot (State)	\$ 6,940 per acre @ 4.00%	277.60
Real Estate Taxes	\$ 6,940 per acre @ 1.00%	69.40
Total Cost per Acre Including Overhead		961.62
Cost per bu		4.27
Cash Cost per bu		2.67

**2017 Budget 32-Corn, No-Till, Bt & ECB, after Beans, 240 bu Yield Goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 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 Spray Spring Burndown Herbicide	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
2 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
3 Plant No-Till	1		2.40	0.87	0.86	4.41	2.87	6.77	18.18	
4 Pivot D 125' Lift w/fertigation	9	ai	8.33	43.21	3.09	15.56	4.47	9.31	83.97	
5 Spray	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
6 Spray	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	3.88	7.31	1.53	5.99	4.64	26.49	
9 Cart	225	bu	3.21	1.13	1.26	2.06	4.19	1.32	13.17	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.08	49.64	13.21	24.84	19.81	23.80	150.38	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate w/Surf	Herbicide	1	50%	32 ounce		0.10	1.56	
2,4-D Ester 4#	Herbicide	1	50%	1 pint		2.25	1.13	
21-0-0-24S	Additive	1	50%	1.7 pound		0.35	0.30	
Acuron	Herbicide	2	100%	2.5 quart		19.25	48.13	
Crop Oil Concentrate	Additive	2	100%	1.6 pint		1.13	1.80	
21-0-0-24S	Additive	2	100%	2.5 pound		0.35	0.88	
Corn Bt & ECB	Seed	3	80%	34.6 k seed		2.88	79.62	
Corn	Seed	3	20%	34.6 k seed		2.50	17.31	
10-34-0	Fertilizer	3	100%	6.0 gallon		2.40	14.40	
32-0-0 (Applied by R2)	Fertilizer	4	100%	180.0 lbs N		0.42	75.60	
Laudis	Herbicide	5	50%	3 ounce		6.48	9.73	
Atrazine 90 DF	Herbicide	5	50%	1 pound		3.30	0.83	
Crop Oil Concentrate	Additive	5	50%	0.5 pint		1.13	0.28	
UAN	Additive	5	50%	3 pint		0.19	0.28	
* Spray	Custom	6	30%	1 acre		7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce		1.13	0.58	
* Mustang Max EC	Insecticide	6	20%	2 ounce		1.48	0.59	
Spray	Custom	7	20%	1 acre		7.00	1.40	
Headline AMP	Fungicide	7	20%	10 ounce		2.66	5.31	
Haul Grain Bushels	Custom	10	100%	225 bushel		0.11	24.75	
Dry 2 Points Removed	Custom	11	50%	225 bushel		0.08	9.00	
Scouting Irrigated Corn	Scouting		100%	1 acre		9.00	9.00	
	Crop Insurance					6.21	0.00	
Total Materials & Services							304.58	

*Insecticide for 1st brood European Corn Borer (10% of refuge), Western Bean Cutworm, and Spider Mites, respectively.

Total listed costs for Field Operations and Materials and Services		454.96
Interest on Operations Capital \$ 411.35 cash expense @ 5.50% for 6.0 mo.		11.31
Total Operating and Use Related Ownership Costs		466.27
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <input type="text" value="Pivot (State)"/> \$ 6,940 per acre @ 4.00%		277.60
Real Estate Taxes \$ 6,940 per acre @ 1.00%		69.40
Total Cost per Acre Including Overhead		833.27
Cost per bu		3.70
Cash Cost per bu		2.19

**2017 Budget 33-Corn, Silage, No-Till following Corn (26 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 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 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
2 Spread Manure	Custom									
3 Plant No-Till	1		2.40	0.87	0.86	4.41	2.87	6.77	18.18	
4 Spray	Custom									
5 Pivot D 125' Lift	12	ai	8.33	57.62	4.12	19.37	5.96	11.58	106.98	
6 Aerial Spray	Custom									
7 Chop Silage	Custom									
Total for Field Operations			11.73	58.76	5.33	24.42	9.98	19.23	129.45	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
2,4-D Ester 4#	Herbicide	1	100%	1	pint	2.25	2.25	
Uncomposted manure	Fertilizer	2	100%	20	ton	1.00	20.00	
Haul & Apply Manure	Custom	2	100%	20	ton	6.00	120.00	
Bicep II Magnum	Herbicide	3	100%	1.4	quart	12.00	16.80	
Corn	Seed	3	100%	30.8	k seed	2.50	76.92	
* Capture LFR	Insecticide	3	100%	6.6	ounce	2.81	18.56	
Spray	Custom	4	50%	1	acre	7.00	3.50	
Status	Herbicide	4	50%	5	ounce	4.30	10.75	
NIS	Additive	4	50%	6	ounce	0.13	0.38	
UAN	Additive	4	50%	4	pint	0.19	0.38	
* Aerial Spray	Custom	6	15%	1	acre	10.00	1.50	
* Brigade 2EC	Insecticide	6	10%	2.5	ounce	1.13	0.28	
* Mustang Max EC	Insecticide	6	5%	2	ounce	1.48	0.15	
Chop, Haul, Pack	Custom	7	100%	25	ton	10.75	268.75	
Scouting Irrigated Corn	Scouting		100%	1	acre	9.00	9.00	
	Crop Insurance					6.00	0.00	
Total Materials & Services							549.22	

*Insecticide for rootworm, 1st & 2nd brood European Corn Borer Western and Bean Cutworm, respectively.

Total listed costs for Field Operations and Materials and Services							678.67	
Interest on Operations Capital \$ 649.46 cash expense @ 5.50% for 6.0 mo.							17.86	
Total Operating and Use Related Ownership Costs							696.53	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$	6,940	per acre @	4.00%		277.60	
Real Estate Taxes		\$	6,940	per acre @	1.00%		69.40	
Total Cost per Acre Including Overhead							1,063.53	
Cost per ton							40.91	
Cash Cost per ton							28.34	