

2016 Nebraska Crop Budgets

Developed and Edited by

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

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

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

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.

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

**2016 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	0.55	0.44	2.12	
2 Anhydrous Apply	1		1.83	1.37	0.69	0.58	2.30	3.94	10.71	
3 Ridge Plant and Band Herbicide	1		2.40	0.88	0.83	4.23	2.76	2.84	13.94	
4 Ridge Cultivation	1		2.00	1.38	0.83	0.89	2.76	1.09	8.95	
5 Ridge Cultivate/Ditch	1		1.83	1.15	0.69	0.37	2.30	1.64	7.98	
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	1.51	5.99	4.59	26.42	
10 Cart	215	bu	3.07	1.08	1.16	1.97	3.86	1.26	12.40	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
Total for Field Operations			49.88	73.80	17.30	13.63	31.16	23.57	209.34	

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	2.56	1.28		
Glyphosate w/Surf	Herbicide	1	50%	32	ounce	0.13	2.00		
21-0-0-24S	Additive	1	50%	1.7	pound	0.35	0.30		
82-0-0	Fertilizer	2	100%	215	lbs N	0.43	92.45		
Corn Bt, ECB & RW	Seed	3	80%	33.1	k seed	3.00	79.38		
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	2.80	16.80		
Bicep II Magnum	Herbicide	3	40%	1.8	quart	12.50	9.00		
Spray	Custom	6	50%	1	acre	7.00	3.50		
Laudis	Herbicide	6	50%	3	ounce	6.33	9.49		
Atrazine 90 DF	Herbicide	6	50%	0.5	pound	3.50	0.88		
Crop Oil Concentrate	Additive	6	50%	1	pint	1.50	0.75		
UAN	Additive	6	50%	3	pint	0.21	0.31		
* 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	2.50	7.50		
Haul Grain Bushels	Custom	11	100%	215	bushel	0.11	23.65		
Dry 2 Points Removed	Custom	12	100%	215	bushel	0.09	19.35		
Scouting Irrigated Corn	Scouting		100%	1	acre	10.00	10.00		
Corn Irrigated	Crop Insurance					6.00	6.00		
Total Materials & Services								308.26	

*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 517.60

Interest on Operations Capital \$ 462.87 cash expense @ 5.50% for 6.0 mo. 12.73

Total Operating and Use Related Ownership Costs 530.33

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00

Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00

Total Cost per Acre Including Overhead 895.33

Cost per bu 4.16

Cash Cost per bu 2.53

**2016 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	0.55	0.44	2.12	
2 Anhydrous Apply	1		1.83	1.37	0.69	0.58	2.30	3.94	10.71	
3 Ridge Plant and Band Herbicide	1		2.40	0.88	0.83	4.23	2.76	2.84	13.94	
4 Ridge Cultivation	1		2.00	1.38	0.83	0.89	2.76	1.09	8.95	
5 Ridge Cultivate/Ditch	1		1.83	1.15	0.69	0.37	2.30	1.64	7.98	
6 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
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	1.51	5.99	4.59	26.42	
11 Cart	225	bu	3.21	1.13	1.22	2.06	4.04	1.32	12.98	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
Total for Field Operations			51.02	74.12	17.69	14.36	32.45	24.51	214.15	

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	2.56	1.28	
Glyphosate w/Surf	Herbicide	1	50%	32	ounce	0.13	2.00	
21-0-0-24S	Additive	1	50%	1.7	pound	0.35	0.30	
82-0-0	Fertilizer	2	100%	225	lbs N	0.43	96.75	
Corn SmartStax RIB Complete	Seed	3	100%	34.6	k seed	3.81	131.97	
10-34-0	Fertilizer	3	100%	6	gallon	2.80	16.80	
Bicep II Magnum	Herbicide	3	40%	1.8	quart	12.50	9.00	
Glyphosate w/Surf	Herbicide	6	100%	32	ounce	0.13	4.00	
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	2.50	7.50	
Haul Grain Bushels	Custom	12	100%	225	bushel	0.11	24.75	
Dry 2 Points Removed	Custom	13	100%	225	bushel	0.09	20.25	
Scouting Irrigated Corn	Scouting		100%	1	acre	10.00	10.00	
Corn Irrigated	Crop Insurance					6.00	6.00	
Total Materials & Services						345.33		

Total listed costs for Field Operations and Materials and Services						559.48		
Interest on Operations Capital \$ 502.52 cash expense @ 5.50% for 6.0 mo.						13.82		
Total Operating and Use Related Ownership Costs						573.30		
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00		
Real Estate Opportunity	Gravity (State)	\$ 6,900	per acre @	4.00%		276.00		
Real Estate Taxes		\$ 6,900	per acre @	1.00%		69.00		
Total Cost per Acre Including Overhead						938.30		
Cost per bu						4.17		
Cash Cost per bu						2.60		

**2016 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	0.29	1.24	4.14	1.21	10.87	
2 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3 Spray Fertilizer and Herbicide	1		1.00	0.27	0.33	0.19	1.11	2.21	5.11	
4 Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
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 Spray	Custom									
10 Combine Irr Corn	1		3.14	3.88	7.31	1.51	5.99	4.59	26.42	
11 Cart	180	bu	2.57	0.91	0.97	1.65	3.23	1.05	10.38	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
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	12.75	10.20	27.23	20.37	119.02	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
32-0-0	Fertilizer	3	100%	180 lbs N	0.47	84.60	
Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50	26.25	
10-34-0	Fertilizer	4	100%	8 gallon	2.80	22.40	
Corn SmartStax RIB Complete	Seed	4	100%	36.7 k seed	3.81	139.92	
32-0-0	Fertilizer	5	100%	40 lbs N	0.47	18.80	
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	2.50	2.50	
Haul Grain Bushels	Custom	12	100%	180 bushel	0.11	19.80	
Dry 2 Points Removed	Custom	13	100%	180 bushel	0.09	16.20	
Irrigation District O&M Charge	Other	15	100%	1 acre	30.00	30.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
Corn Irrigated	Crop Insurance				6.00	6.00	
Total Materials & Services						402.45	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 473.87 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 bu

Cash Cost per bu

521.47

13.03

534.50

20.00

129.40

32.35

716.25

3.98

2.71

**2016 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	0.55	0.44	2.12	
2 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
3 Plant No-Till	1		2.40	0.87	0.83	4.37	2.76	6.70	17.93	
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	0.55	0.44	2.12	
6 Spray	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	3.88	7.31	1.51	5.99	4.59	26.42	
9 Cart	225	bu	3.21	1.13	1.22	2.06	4.04	1.32	12.98	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.08	49.64	13.12	24.78	19.47	23.68	149.77	

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	2.56	1.28	
Glyphosate w/Surf	Herbicide	1	50%	32 ounce	0.13	2.00	
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	3.75	3.75	
Corn Bt, ECB & RW	Seed	3	80%	34.6 k seed	3.00	83.08	
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	2.80	16.80	
32-0-0 (Applied by R2)	Fertilizer	4	100%	225 lbs N	0.47	105.75	
Laudis	Herbicide	5	50%	3 ounce	6.33	9.49	
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.50	0.88	
Crop Oil Concentrate	Additive	5	50%	1 pint	1.50	0.75	
UAN	Additive	5	50%	3 pint	0.21	0.31	
* 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	2.50	7.50	
Haul Grain Bushels	Custom	10	100%	225 bushel	0.11	24.75	
Dry 2 Points Removed	Custom	11	100%	225 bushel	0.09	20.25	
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
Corn Irrigated	Crop Insurance				6.00	6.00	
Total Materials & Services						373.28	

*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						523.05	
Interest on Operations Capital \$ 479.90	cash expense @	5.50%	for 6.0 mo.			13.20	
Total Operating and Use Related Ownership Costs						536.25	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre @	4.00%		292.60	
Real Estate Taxes		\$ 7,315	per acre @	1.00%		73.15	
Total Cost per Acre Including Overhead						922.00	

Cost per bu		4.10
Cash Cost per bu		2.52

**2016 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	0.55	0.44	2.12	
2 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
3 Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
4 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
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	1.51	5.99	4.59	26.42	
9 Cart	235		3.36	1.18	1.27	2.15	4.22	1.38	13.56	
10 Truck	Custom	bu								
11 Dry Grain	Custom									
Total for Field Operations			19.23	49.53	13.17	23.04	19.65	20.93	145.55	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	50%	32 ounce	0.13	2.00	
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	3.81	137.84	
10-34-0	Fertilizer	3	100%	6 gallon	2.80	16.80	
32-0-0 (Applied by R2)	Fertilizer	7	100%	235 lbs N	0.47	110.45	
Glyphosate w/Surf	Herbicide	4	50%	32 ounce	0.13	2.00	
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	2.50	7.50	
Haul Grain Bushels	Custom	10	100%	235 bushel	0.11	25.85	
Dry 2 Points Removed	Custom	11	100%	235 bushel	0.09	21.15	
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
Corn Irrigated	Crop Insurance				6.00	6.00	
Total Materials & Services						404.23	

Total listed costs for Field Operations and Materials and Services		549.78
Interest on Operations Capital \$ 509.20 cash expense @ 5.50% for 6.0 mo.		14.00
Total Operating and Use Related Ownership Costs		563.78
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity Pivot (State) \$ 7,315 per acre @ 4.00%		292.60
Real Estate Taxes \$ 7,315 per acre @ 1.00%		73.15
Total Cost per Acre Including Overhead		949.53
Cost per bu		4.04
Cash Cost per bu		2.54

**2016 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	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5	Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
6	Row Crop Cultivation	0.25		0.50	0.21	0.19	0.11	0.63	0.41	2.05	
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	1.51	5.99	4.59	26.42	
11	Cart	215	bu	3.07	1.08	1.16	1.97	3.86	1.26	12.40	
12	Truck	Custom									
13	Dry Grain	Custom									
14	Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
Total for Field Operations				29.42	73.97	16.57	32.55	31.54	30.59	214.64	

Materials & Services			Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50	26.25		
Corn Bt, ECB & RW	Seed	4	80%	33.1 k seed	3.00	79.38		
Corn	Seed	4	20%	33.1 k seed	2.50	16.54		
10-34-0	Fertilizer	4	100%	6 gallon	2.80	16.80		
* Capture LFR	Insecticide	4	20%	6.6 ounce	2.81	3.71		
32-0-0 (Applied by R2)	Fertilizer	9	100%	215 lbs N	0.47	101.05		
* 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	2.50	7.50		
Haul Grain Bushels	Custom	12	100%	215 bushel	0.11	23.65		
Dry 2 Points Removed	Custom	13	100%	215 bushel	0.09	19.35		
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00		
Corn Irrigated	Crop Insurance				6.00	6.00		
Total Materials & Services							339.60	

*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							554.24	
Interest on Operations Capital \$ 492.11 cash expense @ 5.50% for 6.0 mo.							13.53	
Total Operating and Use Related Ownership Costs							567.77	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)		\$ 7,315	per acre @	4.00%	292.60		
Real Estate Taxes		\$ 7,315	per acre @	1.00%		73.15		
Total Cost per Acre Including Overhead							953.52	
Cost per bu							4.43	
Cash Cost per bu							2.69	

**2016 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	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5	Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
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	1.51	5.99	4.59	26.42	
11	Cart	180	bu	2.57	0.91	0.97	1.65	3.23	1.05	10.38	
12	Truck	Custom									
13	Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
Total for Field Operations				28.42	47.40	15.53	32.12	30.71	29.97	184.15	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
32-0-0	Fertilizer	3	100%	180 lbs N		0.47	84.60	
Balance Flexx	Herbicide	3	100%	4 ounce		6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart		12.50	26.25	
10-34-0	Fertilizer	4	100%	8 gallon		2.80	22.40	
Corn SmartStax RIB Complete	Seed	4	100%	36.8 k seed		3.81	140.30	
32-0-0 (Applied by R2)	Fertilizer	8	100%	40 lbs N		0.47	18.80	
Spray	Custom	6	100%	1 acre		7.00	7.00	
Glyphosate w/Surf	Herbicide	6	100%	32 ounce		0.13	4.00	
Dicamba	Herbicide	6	100%	12 ounce		0.59	7.03	
Aerial Spray	Custom	7	10%	1 acre		9.50	0.95	
Brigade 2EC	Insecticide	7	10%	5.12 ounce		1.13	0.58	
Aerial Spray	Custom	7	10%	1 acre		9.50	0.95	
Headline AMP	Fungicide	7	10%	10 ounce		2.50	2.50	
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	100%	180 bushel		0.09	16.20	
Scouting Irrigated Corn	Scouting		100%	1 acre		10.00	10.00	
Corn Irrigated	Crop Insurance					6.00	6.00	
Total Materials & Services							421.36	

Total listed costs for Field Operations and Materials and Services							605.51	
Interest on Operations Capital \$ 544.83 cash expense @ 5.50% for 6.0 mo.							14.98	
Total Operating and Use Related Ownership Costs							620.49	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (Panhandle)	\$ 3,625	per acre @	4.00%			145.00	
Real Estate Taxes		\$ 3,625	per acre @	1.00%			36.25	
Total Cost per Acre Including Overhead							821.74	
Cost per bu							4.57	
Cash Cost per bu							3.11	

**2016 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	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5	Row Crop Cultivation	1		2.00	0.82	0.76	0.44	2.51	1.64	8.17	
6	Row Crop Cultivation	0.25		0.50	0.21	0.19	0.11	0.63	0.41	2.05	
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	1.51	5.99	4.59	26.42	
11	Cart	225	bu	3.21	1.13	1.22	2.06	4.04	1.32	12.98	
12	Truck	Custom									
13	Dry Grain	Custom									
14	Chop Stalks	1		1.78	1.20	0.68	0.34	2.24	1.69	7.93	
Total for Field Operations				29.56	74.02	16.63	32.64	31.72	30.65	215.22	

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	12.50	26.25	
Corn SmartStax RIB Complete	Seed	4	100%	34.6	k seed	3.81	131.97	
10-34-0	Fertilizer	4	100%	6	gallon	2.80	16.80	
32-0-0 (Applied by R2)	Fertilizer	9	100%	225	lbs N	0.47	105.75	
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	2.50	7.50	
Haul Grain Bushels	Custom	12	100%	225	bushel	0.11	24.75	
Dry 2 Points Removed	Custom	13	100%	225	bushel	0.09	20.25	
Scouting Irrigated Corn	Scouting		100%	1	acre	10.00	10.00	
Corn Irrigated	Crop Insurance					6.21	6.21	
Total Materials & Services		31,200 seeds per acre, 80,000 per bag, 5% Refuge					376.86	

Total listed costs for Field Operations and Materials and Services							592.08
Interest on Operations Capital	\$ 529.71	cash expense @	5.50%	for 6.0 mo.			14.57
Total Operating and Use Related Ownership Costs							606.65
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre @	4.00%			292.60
Real Estate Taxes		\$ 7,315	per acre @	1.00%			73.15
Total Cost per Acre Including Overhead							992.40
Cost per bu							4.41
Cash Cost per bu							2.74

**2016 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	0.55	0.44	2.12	
2 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
3 Plant No-Till	1		2.40	0.87	0.83	4.37	2.76	6.70	17.93	
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	0.55	0.44	2.12	
6 Spray	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	3.88	7.31	1.51	5.99	4.59	26.42	
9 Cart	225	bu	3.21	1.13	1.22	2.06	4.04	1.32	12.98	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.08	49.64	13.12	24.78	19.47	23.68	149.77	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate	
								Glyphosate w/Surf
2,4-D Ester 4#	Herbicide	1	50%	1 pint	2.56	1.28		
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30		
Acuron	Herbicide	2	100%	2.5 quart	16.25	40.63		
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.50	2.40		
21-0-0-24S	Additive	2	100%	2.5 pound	0.35	0.88		
Corn Bt & ECB	Seed	3	80%	34.6 k seed	2.81	77.88		
Corn	Seed	3	20%	34.6 k seed	2.50	17.31		
10-34-0	Fertilizer	3	100%	6.0 gallon	2.80	16.80		
32-0-0 (Applied by R2)	Fertilizer	4	100%	180.0 lbs N	0.47	84.60		
Laudis	Herbicide	5	50%	3 ounce	6.33	9.49		
Atrazine 90 DF	Herbicide	5	50%	1 pound	3.50	0.88		
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.50	0.38		
UAN	Additive	5	50%	3 pint	0.21	0.31		
* 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	2.50	5.00		
Haul Grain Bushels	Custom	10	100%	225 bushel	0.11	24.75		
Dry 2 Points Removed	Custom	11	50%	225 bushel	0.09	10.13		
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00		
Corn Irrigated	Crop Insurance				6.21	6.21		
Total Materials & Services							315.90	

*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		465.67
Interest on Operations Capital \$ 422.52 cash expense @ 5.50% for 6.0 mo.		11.62
Total Operating and Use Related Ownership Costs		477.29
Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <input type="text" value="Pivot (State)"/> \$ 7,315 per acre @ 4.00%		292.60
Real Estate Taxes \$ 7,315 per acre @ 1.00%		73.15
Total Cost per Acre Including Overhead		863.04
Cost per bu		3.84
Cash Cost per bu		2.25

2016 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	0.33	0.64	1.11	0.88	4.23	
2 Spread Manure	Custom									
3 Plant No-Till	1		2.40	0.87	0.83	4.37	2.76	6.70	17.93	
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	5.28	24.38	9.83	19.16	129.14	

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	2.56	2.56	
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	12.50	17.50	
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	0.17	0.52	
UAN	Additive	4	50%	4	pint	0.21	0.41	
* Aerial Spray	Custom	6	15%	1	acre	9.50	1.43	
* 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	11.00	275.00	
Scouting Irrigated Corn	Scouting		100%	1	acre	10.00	10.00	
Corn Irrigated	Crop Insurance					6.00	6.00	
Total Materials & Services							563.58	

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

Total listed costs for Field Operations and Materials and Services							692.72	
Interest on Operations Capital \$ 663.73	cash expense @		5.50%	for 6.0 mo.			18.25	
Total Operating and Use Related Ownership Costs							710.97	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre @		4.00%		292.60	
Real Estate Taxes		\$ 7,315	per acre @		1.00%		73.15	
Total Cost per Acre Including Overhead							1,096.72	
Cost per ton							42.18	
Cash Cost per ton							29.04	