

2018 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

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.

**2018 Budget 26-Corn, Bt, ECB, RW, & RIB, Ridge Till, Continuous, 240 bu Yield Goal (225 bu Actual Yield)
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Anhydrous Application	1		1.83	1.49	0.72	0.58	2.25	3.63	10.50	
3 Ridge Plant and Band Herbicide	1		2.40	0.96	0.86	6.89	2.70	4.27	18.08	
4 Ridge Cultivation	1		2.00	1.50	0.86	0.89	2.70	1.01	8.96	
5 Ridge Cultivate/Ditch	1		1.83	1.25	0.72	0.37	2.25	1.52	7.94	
6 Spray Herbicide	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	33.33	68.30	4.94	3.42	8.14	5.56	123.69	
9 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
10 Cart	225	bu	3.21	1.23	1.26	2.06	3.94	1.21	12.91	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		1.78	1.31	0.70	0.35	2.19	1.59	7.92	
Total for Field Operations			50.02	80.42	17.54	16.41	30.55	23.53	218.47	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24
82-0-0	Fertilizer	2	100%	225 lbs N	0.26	58.50
Corn Bt, ECB, RW, & RIB	Seed	3	100%	36.9 k seed	3.13	115.38
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80
Bicep II Magnum	Herbicide	3	40%	1.8 quart	11.25	8.10
Spray	Custom	6	50%	1 acre	7.00	3.50
Laudis	Herbicide	6	50%	3 ounce	6.25	9.38
Atrazine 90 DF	Herbicide	6	50%	0.5 pound	3.80	0.95
Crop Oil Concentrate	Additive	6	50%	1 pint	1.04	0.52
UAN	Additive	6	50%	3 pint	0.16	0.24
* Spray	Custom	6	30%	1 acre	7.00	2.10
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.41	0.56
Spray	Custom	7	20%	1 acre	7.00	1.40
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16
Haul Grain Bushels	Custom	11	100%	225 bushel	0.11	24.75
Dry 2 Points Removed	Custom	12	20%	225 bushel	0.08	3.60
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00
Crop Insurance					6.00	6.00
Total Materials & Services						266.48

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						484.95
Interest on Operations Capital \$ 430.87	cash expense @	5.50%	for 6.0 mo.			11.85
Total Operating and Use Related Ownership Costs						496.80
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity	Gravity (State)	\$ 6,070	per acre @	3.00%		182.10
Real Estate Taxes		\$ 6,070	per acre @	1.00%		60.70
Total Cost per Acre Including Overhead						759.60
Cost per bu						3.38
Cash Cost per bu						1.97

**2018 Budget 27-Corn, Bt, ECB, & RIB, Ridge Till, after Beans, 250 bu Yield Goal (235 bu Actual Yield)
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Anhydrous Application	1		1.83	1.49	0.72	0.58	2.25	3.63	10.50	
3 Ridge Plant and Band Herbicide	1		2.40	0.96	0.86	6.89	2.70	4.27	18.08	
4 Ridge Cultivation	1		2.00	1.50	0.86	0.89	2.70	1.01	8.96	
5 Ridge Cultivate/Ditch	1		1.83	1.25	0.72	0.37	2.25	1.52	7.94	
6 Spray Herbicide	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	33.33	68.30	4.94	3.42	8.14	5.56	123.69	
9 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
10 Cart	235	bu	3.36	1.29	1.32	2.15	4.11	1.27	13.50	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			48.39	79.17	16.90	16.15	28.53	22.00	211.14	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								2,4-D Ester LV4
Glyphosate w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88		
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24		
82-0-0	Fertilizer	2	100%	190 lbs N	0.26	49.40		
Corn Bt, ECB, & RIB	Seed	3	100%	38.5 k seed	2.75	105.77		
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80		
Bicep II Magnum	Herbicide	3	40%	1.8 quart	11.25	8.10		
Spray	Custom	6	50%	1 acre	7.00	3.50		
Laudis	Herbicide	6	50%	3 ounce	6.25	9.38		
Atrazine 90 DF	Herbicide	6	50%	0.5 pound	3.80	0.95		
Crop Oil Concentrate	Additive	6	50%	1 pint	1.04	0.52		
UAN	Additive	6	50%	3 pint	0.16	0.24		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36		
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.41	0.56		
Spray	Custom	7	20%	1 acre	7.00	1.40		
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16		
Haul Grain Bushels	Custom	11	100%	235 bushel	0.11	25.85		
Dry 2 Points Removed	Custom	12	20%	235 bushel	0.08	3.76		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
Crop Insurance					6.00	6.00		
Total Materials & Services							249.03	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						460.17	
Interest on Operations Capital	\$ 409.64	cash expense @	5.50%	for 6.0 mo.		11.27	
Total Operating and Use Related Ownership Costs						471.44	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (State)	\$ 6,070	per acre @	3.00%		182.10	
Real Estate Taxes		\$ 6,070	per acre @	1.00%		60.70	
Total Cost per Acre Including Overhead						734.24	
Cost per bu						3.12	
Cash Cost per bu						1.79	

**2018 Budget 28-Corn, SmartStax RIB Complete, Ridge Till, Continuous, 245 bu Yield Goal (230 bu Actual Yield)
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Anhydrous Application	1		1.83	1.49	0.72	0.58	2.25	3.63	10.50	
3 Ridge Plant and Band Herbicide	1		2.40	0.96	0.86	6.89	2.70	4.27	18.08	
4 Ridge Cultivation	1		2.00	1.50	0.86	0.89	2.70	1.01	8.96	
5 Ridge Cultivate/Ditch	1		1.83	1.25	0.72	0.37	2.25	1.52	7.94	
6 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pipe D 125' Lift	18	ai	33.33	68.30	4.94	3.42	8.14	5.56	123.69	
10 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
11 Cart	230	bu	3.29	1.26	1.29	2.11	4.03	1.24	13.22	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.31	0.70	0.35	2.19	1.59	7.92	
Total for Field Operations			51.10	80.75	17.92	16.75	31.72	23.60	221.84	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	Herbicide	1	50%	1 pint	2.13	1.06
Glyphosate w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24
82-0-0	Fertilizer	2	100%	230 lbs N	0.26	59.80
Corn SmartStax RIB Complete	Seed	3	100%	37.7 k seed	3.75	141.35
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80
Bicep II Magnum	Herbicide	3	40%	1.8 quart	11.25	8.10
Glyphosate w/Surfactant	Herbicide	6	100%	32 ounce	0.12	3.75
21-0-0-24S	Additive	6	100%	1.7 pound	0.28	0.48
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	0.70	0.36
Spray	Custom	8	20%	1 acre	7.00	1.40
Headline AMP	Fungicide	8	20%	10 ounce	2.58	5.16
Haul Grain Bushels	Custom	12	100%	230 bushel	0.11	25.30
Dry 2 Points Removed	Custom	13	20%	230 bushel	0.08	3.68
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00
Crop Insurance					6.00	6.00
Total Materials & Services					292.81	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 459.33	cash expense @ 5.50% for 6.0 mo.	12.63
Total Operating and Use Related Ownership Costs		527.28

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

Real Estate Opportunity	Gravity (State)	\$ 6,070	per acre @ 3.00%	182.10
Real Estate Taxes		\$ 6,070	per acre @ 1.00%	60.70

Total Cost per Acre Including Overhead 790.08

Cost per bu 3.44

Cash Cost per bu 2.05

2018 Budget 29-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 190 bu Yield Goal (180 bu Actual Yield)

Gravity Irrigated, fed by canal, 15 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
3 Spray Fertilizer and Herbicide	1		1.00	0.30	0.35	0.00	1.08	17.38	20.11	
4 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
5 Spread Fertilizer	1		1.57	0.86	0.68	0.64	2.12	1.51	7.38	
6 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
7 Ridge Cultivate/Ditch	1		1.83	1.25	0.72	0.37	2.25	1.52	7.94	
8 Spray Insecticide	Custom									
9 Spray	Custom									
10 Ditch Irrigation	15	ai	16.67	0.00	0.00	0.00	0.00	0.00	16.67	
11 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
12 Cart	180	bu	2.57	0.99	1.01	1.65	3.15	0.97	10.34	
13 Truck	Custom									
14 Dry Grain	Custom									
15 Chop Stalks	1		1.78	1.31	0.70	0.35	2.19	1.59	7.92	
Total for Field Operations			36.45	14.29	13.29	10.12	27.62	35.00	136.77	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
32-0-0	Fertilizer	3	100%	180 lbs N	0.32	57.60	
Balance Flexx	Herbicide	3	100%	4 ounce	5.00	20.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	11.25	23.63	
10-34-0	Fertilizer	4	100%	8 gallon	2.30	18.40	
Corn SmartStax RIB Complete	Seed	4	100%	29.2 k seed	3.75	109.62	
32-0-0	Fertilizer	5	100%	40 lbs N	0.32	12.80	
Spray	Custom	8	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	8	10%	5.12 ounce	0.70	0.36	
Spray	Custom	9	10%	1 acre	7.00	0.70	
Headline AMP	Fungicide	9	10%	10 ounce	2.58	2.58	
Haul Grain Bushels	Custom	13	100%	180 bushel	0.11	19.80	
Dry 2 Points Removed	Custom	14	10%	180 bushel	0.08	1.44	
Irrigation District O&M Charge	Other	10	100%	1 acre	30.00	30.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.00	6.00	
Total Materials & Services						312.63	

Total listed costs for Field Operations and Materials and Services						449.40	
Interest on Operations Capital \$ 386.78 cash expense @ 5.50% for 6.0 mo.						10.64	
Total Operating and Use Related Ownership Costs						460.04	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (Panhandle)	\$ 2,580	per acre @	3.00%		77.40	
Real Estate Taxes		\$ 2,580	per acre @	1.00%		25.80	
Total Cost per Acre Including Overhead						583.24	
Cost per bu						3.24	
Cash Cost per bu						2.21	

**2018 Budget 30-Corn, Bt, ECB, RW, & RIB, No Till, Continuous, 240 bu Yield Goal (225 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Plant No-Till	1		2.40	0.95	0.86	4.41	2.70	6.13	17.45	
4 Pivot D 125' Lift w/fertigation	9	ai	8.33	47.05	3.09	15.56	4.13	8.54	86.70	
5 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
9 Cart	225	bu	3.21	1.23	1.26	2.06	3.94	1.21	12.91	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.08	54.06	13.21	24.31	18.77	20.68	150.11	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate	
								2,4-D Ester LV4
Glyphosate w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88		
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24		
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, & RIB	Seed	3	100%	36.9 k seed	3.13	115.38		
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80		
32-0-0 (Applied by R2)	Fertilizer	4	100%	225 lbs N	0.32	72.00		
Status	Herbicide	5	50%	2.5 ounce	4.30	5.38		
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.80	0.95		
Crop Oil Concentrate	Additive	5	50%	1 pint	1.04	0.52		
UAN	Additive	5	50%	3 pint	0.16	0.24		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36		
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.41	0.56		
Spray	Custom	7	30%	1 acre	7.00	2.10		
Headline AMP	Fungicide	7	30%	10 ounce	2.58	7.73		
Haul Grain Bushels	Custom	10	100%	225 bushel	0.11	24.75		
Dry 2 Points Removed	Custom	11	20%	225 bushel	0.08	3.60		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
	Crop Insurance				6.00	6.00		
Total Materials & Services							325.15	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						475.26	
Interest on Operations Capital	\$ 435.81	cash expense @	5.50%	for 6.0 mo.		11.98	
Total Operating and Use Related Ownership Costs						487.24	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,295	per acre @	3.00%		188.85	
Real Estate Taxes		\$ 6,295	per acre @	1.00%		62.95	
Total Cost per Acre Including Overhead						759.04	
Cost per bu						3.37	
Cash Cost per bu						1.99	

**2018 Budget 31-Corn, SmartStax RIB Complete, No Till, Continuous, 245 bu Yield Goal (230 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
4 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
5 Spray Insecticide	Custom									
6 Spray	Custom									
7 Pivot D 125' Lift w/fertigation	9	ai	8.33	47.05	3.09	15.56	4.13	8.54	86.70	
8 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
9 Cart	230		3.29	1.26	1.29	2.11	4.03	1.24	13.22	
10 Truck	Custom	bu								
11 Dry Grain	Custom									
Total for Field Operations			19.16	53.91	13.24	22.49	18.86	18.11	145.77	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00
Corn SmartStax RIB Complete	Seed	3	100%	37.7 k seed	3.75	141.35
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80
32-0-0 (Applied by R2)	Fertilizer	7	100%	230 lbs N	0.32	73.60
Glyphosate w/Surfactant	Herbicide	4	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	4	50%	1.7 pound	0.28	0.24
Armezon Pro	Herbicide	4	50%	14 ounce	1.33	9.30
Spray	Custom	5	10%	1 acre	7.00	0.70
Brigade 2EC	Insecticide	5	10%	5.12 ounce	0.70	0.36
Spray	Custom	6	30%	1 acre	7.00	2.10
Headline AMP	Fungicide	6	30%	10 ounce	2.58	7.73
Haul Grain Bushels	Custom	10	100%	230 bushel	0.11	25.30
Dry 2 Points Removed	Custom	11	20%	230 bushel	0.08	3.68
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00
	Crop Insurance				6.00	6.00
Total Materials & Services						352.22

Total listed costs for Field Operations and Materials and Services						497.99
Interest on Operations Capital	\$ 461.02	cash expense @	5.50%	for 6.0 mo.		12.68
Total Operating and Use Related Ownership Costs						510.67
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity	Pivot (State)	\$ 6,295	per acre @	3.00%		188.85
Real Estate Taxes		\$ 6,295	per acre @	1.00%		62.95
Total Cost per Acre Including Overhead						782.47
Cost per bu						3.40
Cash Cost per bu						2.06

**2018 Budget 32-Corn, Bt, ECB, & RIB, No Till, after Beans, 270 bu Yield Goal (255 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Plant No-Till	1		2.40	0.95	0.86	4.41	2.70	6.13	17.45	
4 Pivot D 125' Lift w/fertigation	9	ai	8.33	47.05	3.09	15.56	4.13	8.54	86.70	
5 Spray Herbicide	0.5		0.50	0.15	0.17	0.14	0.54	0.02	1.52	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
9 Cart	255	bu	3.64	1.40	1.43	2.33	4.46	1.38	14.64	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			19.51	54.23	13.38	24.58	19.29	20.85	151.84	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							Glyphosate w/Surfactant
2,4-D Ester LV4	Herbicide	1	50%	1 pint	2.13	1.06	
21-0-0-24S	Additive	1	50%	1.7 pound	0.28	0.24	
Acuron	Herbicide	2	100%	2.5 quart	15.00	37.50	
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.04	1.66	
21-0-0-24S	Additive	2	100%	2.5 pound	0.28	0.70	
Corn Bt, ECB, & RIB	Seed	3	100%	41.5 k seed	2.75	114.23	
10-34-0	Fertilizer	3	100%	6.0 gallon	2.30	13.80	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.32	64.00	
Armezon Pro	Herbicide	5	50%	14 ounce	1.33	9.30	
Atrazine 90 DF	Herbicide	5	50%	1 pound	3.80	0.95	
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.04	0.26	
UAN	Additive	5	50%	3 pint	0.16	0.24	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36	
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.41	0.56	
Spray	Custom	7	20%	1 acre	7.00	1.40	
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16	
Haul Grain Bushels	Custom	10	100%	255 bushel	0.11	28.05	
Dry 2 Points Removed	Custom	11	20%	255 bushel	0.08	4.08	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
Crop Insurance					6.76	6.76	
Total Materials & Services						303.29	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services 455.13

Interest on Operations Capital \$ 414.99 cash expense @ 5.50% for 6.0 mo. 11.41

Total Operating and Use Related Ownership Costs 466.54

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

Real Estate Opportunity Pivot (State) \$ 6,295 per acre @ 3.00% 188.85

Real Estate Taxes \$ 6,295 per acre @ 1.00% 62.95

Total Cost per Acre Including Overhead 738.34

Cost per bu 2.90

Cash Cost per bu 1.67

**2018 Budget 33-Corn, Bt, ECB, RW, & RIB, Conventional Tillage, Continuous, 230 bu Yield Goal (215 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
3 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
4 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
5 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
6 Row Crop Cultivation	0.25		0.50	0.22	0.20	0.11	0.61	0.38	2.02	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pivot D 125' Lift w/fertigation	13	ai	12.04	67.96	4.46	22.48	5.97	12.34	125.25	
10 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
11 Cart	215	bu	3.07	1.18	1.21	1.97	3.76	1.16	12.35	
12 Truck	Custom									
13 Dry Grain	Custom									
Total for Field Operations			27.64	79.24	16.05	31.96	28.25	25.95	209.09	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Balance Flexx	3	100%	4	ounce	5.00	20.00	
Bicep II Magnum	3	100%	2.1	quart	11.25	23.63	
Corn Bt, ECB, RW, & RIB	4	100%	35.4	k seed	3.13	110.58	
10-34-0	4	100%	6	gallon	2.30	13.80	
32-0-0 (Applied by R2)	9	100%	215	lbs N	0.32	68.80	
* Spray	7	30%	1	acre	7.00	2.10	
* Brigade 2EC	7	10%	5.12	ounce	0.70	0.36	
* Mustang Max EC	7	20%	2	ounce	1.41	0.56	
Spray	8	30%	1	acre	7.00	2.10	
Headline AMP	8	30%	10	ounce	2.58	7.73	
Haul Grain Bushels	12	100%	215	bushel	0.11	23.65	
Dry 2 Points Removed	13	20%	215	bushel	0.08	3.44	
Scouting Irrigated Corn		100%	1	acre	9.00	9.00	
Crop Insurance					6.00	6.00	
Total Materials & Services						291.75	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 446.64 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 (State) \$ 6,295 per acre @ 3.00%
Real Estate Taxes \$ 6,295 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

20.00
12.28
513.12
20.00
188.85
62.95
784.92
3.65
2.13

**2018 Budget 34-Corn, Bt, ECB, & RIB, Conventional Tillage, after Beans, 240 bu Yield Goal (225 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
4 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
5 Row Crop Cultivation	0.25		0.50	0.22	0.20	0.11	0.61	0.38	2.02	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Pivot D 125' Lift w/fertigation	13	ai	12.04	67.96	4.46	22.48	5.97	12.34	125.25	
9 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
10 Cart	225	bu	3.21	1.23	1.26	2.06	3.94	1.21	12.91	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			25.76	77.15	15.80	30.78	24.39	24.86	198.74	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Balance Flexx
Bicep II Magnum	Herbicide	2	100%	2.1 quart	11.25	23.63		
Corn Bt, ECB, & RIB	Seed	3	100%	36.9 k seed	2.75	101.54		
10-34-0	Fertilizer	3	100%	6 gallon	2.30	13.80		
32-0-0 (Applied by R2)	Fertilizer	8	100%	180 lbs N	0.32	57.60		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36		
* Mustang Max EC	Insecticide	6	20%	2 ounce	1.41	0.56		
Spray	Custom	7	20%	1 acre	7.00	1.40		
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16		
Haul Grain Bushels	Custom	11	100%	225 bushel	0.11	24.75		
Dry 2 Points Removed	Custom	12	20%	225 bushel	0.08	3.60		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
	Crop Insurance				6.00	6.00		
Total Materials & Services							269.50	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		468.24
Interest on Operations Capital \$ 418.99	cash expense @ 5.50% for 6.0 mo.	11.52
Total Operating and Use Related Ownership Costs		479.76

Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00	
Real Estate Opportunity	Pivot (State) \$ 6,295	per acre @ 3.00%	188.85
Real Estate Taxes	\$ 6,295	per acre @ 1.00%	62.95
Total Cost per Acre Including Overhead		751.56	

Cost per bu		3.34
Cash Cost per bu		1.91

2018 Budget 35-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 190 bu Yield Goal (180 bu Actual Yield)
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
3 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
4 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
5 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
6 Spray Herbicide	Custom									
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Pivot E 125' Lift w/fertigation	13		12.04	37.96	3.80	22.48	6.66	12.34	95.28	
10 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
11 Cart	180	bu	2.57	0.99	1.01	1.65	3.15	0.97	10.34	
12 Truck	Custom									
13 Dry Grain	Custom									
Total for Field Operations			26.64	48.83	14.99	31.53	27.72	25.38	175.09	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								32-0-0
Balance Flexx	Herbicide	3	100%	4 ounce	5.00	20.00		
Bicep II Magnum	Herbicide	3	100%	2.1 quart	11.25	23.63		
10-34-0	Fertilizer	4	100%	8 gallon	2.30	18.40		
Corn SmartStax RIB Complete	Seed	4	100%	29.2 k seed	3.75	109.62		
32-0-0 (Applied by R2)	Fertilizer	8	100%	40 lbs N	0.32	12.80		
Spray	Custom	6	100%	1 acre	7.00	7.00		
Glyphosate w/Surfactant	Herbicide	6	100%	32 ounce	0.12	3.75		
Armezon Pro	Herbicide	6	100%	14 ounce	1.33	18.59		
21-0-0-24S	Additive	6	100%	1.7 pound	0.28	0.48		
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00		
Brigade 2EC	Insecticide	7	10%	5.12 ounce	0.70	0.36		
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00		
Headline AMP	Fungicide	7	10%	10 ounce	2.58	2.58		
Electricity Fixed	Other	8	100%	1 acre	30.00	30.00		
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		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
	Crop Insurance				6.00	6.00		
Total Materials & Services							343.05	

Total listed costs for Field Operations and Materials and Services							518.14	
Interest on Operations Capital \$ 465.04 cash expense @ 5.50% for 6.0 mo.							12.79	
Total Operating and Use Related Ownership Costs							530.93	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (Panhandle)	\$ 2,815	per acre @	3.00%		84.45		
Real Estate Taxes		\$ 2,815	per acre @	1.00%		28.15		
Total Cost per Acre Including Overhead							663.53	
Cost per bu							3.69	
Cash Cost per bu							2.65	

2018 Budget 36-Corn, Bt, ECB, RR2, & RIB, Panhandle, Conventional Tillage, after Beans, 200 bu Yield Goal (190 bu Actual Yield)
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
2 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
3 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
4 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
5 Spray Herbicide	Custom									
6 Aerial Spray	Custom									
7 Aerial Spray	Custom									
8 Pivot E 125' Lift w/fertigation	13		12.04	37.96	3.80	22.48	6.66	12.34	95.28	
9 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
10 Cart	190	bu	2.71	1.04	1.07	1.74	3.33	1.02	10.91	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			24.76	46.74	14.75	30.35	23.86	24.29	164.75	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								32-0-0
Balance Flexx	Herbicide	2	100%	4 ounce	5.00	20.00		
Bicep II Magnum	Herbicide	2	100%	2.1 quart	11.25	23.63		
10-34-0	Fertilizer	3	100%	8 gallon	2.30	18.40		
Corn Bt, ECB, RR2, & RIB	Seed	3	100%	30.8 k seed	3.00	92.31		
32-0-0 (Applied by R2)	Fertilizer	8	100%	40 lbs N	0.32	12.80		
Spray	Custom	5	100%	1 acre	7.00	7.00		
Glyphosate w/Surfactant	Herbicide	5	100%	32 ounce	0.12	3.75		
DiFlexx	Herbicide	5	100%	12 ounce	1.72	20.63		
Aerial Spray	Custom	6	10%	1 acre	10.00	1.00		
Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.70	0.36		
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00		
Headline AMP	Fungicide	7	10%	10 ounce	2.58	2.58		
Electricity Fixed	Other	8	100%	1 acre	30.00	30.00		
Haul Grain Bushels	Custom	11	100%	190 bushel	0.11	20.90		
Dry 2 Points Removed	Custom	12	10%	190 bushel	0.08	1.52		
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00		
	Crop Insurance				6.00	6.00		
Total Materials & Services							317.28	

Total listed costs for Field Operations and Materials and Services						482.03	
Interest on Operations Capital \$ 433.88	cash expense @	5.50%	for 6.0 mo.			11.93	
Total Operating and Use Related Ownership Costs						493.96	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (Panhandle)	\$ 2,815	per acre @	3.00%		84.45	
Real Estate Taxes		\$ 2,815	per acre @	1.00%		28.15	
Total Cost per Acre Including Overhead						626.56	
Cost per bu						3.30	
Cash Cost per bu						2.35	

2018 Budget 37-Corn, SmartStax RIB Complete, Conventional Tillage, Continuous, 235 bu Yield Goal (220 bu Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.14	0.30	1.27	4.04	1.14	10.91	
2 Field Cultivation	1		1.47	1.54	0.58	1.33	1.80	1.51	8.23	
3 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
4 Plant	1		2.40	0.77	0.86	2.54	2.70	3.53	12.80	
5 Row Crop Cultivation	1		2.00	0.90	0.78	0.44	2.45	1.52	8.09	
6 Row Crop Cultivation	0.25		0.50	0.22	0.20	0.11	0.61	0.38	2.02	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pivot D 125' Lift w/fertigation	13	ai	12.04	67.96	4.46	22.48	5.97	12.34	125.25	
10 Combine Irr Corn	1		3.14	4.23	7.31	1.53	5.84	4.33	26.38	
11 Cart	220	bu	3.14	1.21	1.23	2.01	3.85	1.19	12.63	
12 Truck	Custom									
13 Dry Grain	Custom									
Total for Field Operations			27.71	79.27	16.07	32.00	28.34	25.98	209.37	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							Balance Flexx
Bicep II Magnum	Herbicide	3	100%	2.1 quart	11.25	23.63	
Corn SmartStax RIB Complete	Seed	4	100%	36.2 k seed	3.75	135.58	
10-34-0	Fertilizer	4	100%	6 gallon	2.30	13.80	
32-0-0 (Applied by R2)	Fertilizer	9	100%	220 lbs N	0.32	70.40	
Spray	Custom	7	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	0.70	0.36	
Spray	Custom	8	20%	1 acre	7.00	1.40	
Headline AMP	Fungicide	8	20%	10 ounce	2.58	5.16	
Haul Grain Bushels	Custom	12	100%	220 bushel	0.11	24.20	
Dry 2 Points Removed	Custom	13	20%	220 bushel	0.08	3.52	
Scouting Irrigated Corn	Scouting		100%	1 acre	9.00	9.00	
	Crop Insurance				6.12	6.12	
Total Materials & Services			31,200 seeds per acre, 80,000 per bag, 5% Refuge			313.87	

Total listed costs for Field Operations and Materials and Services						523.24
Interest on Operations Capital	\$ 468.92	cash expense @	5.50%	for 6.0 mo.		12.90
Total Operating and Use Related Ownership Costs						536.14
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity	Pivot (State)	\$ 6,295	per acre @	3.00%		188.85
Real Estate Taxes		\$ 6,295	per acre @	1.00%		62.95
Total Cost per Acre Including Overhead						807.94
Cost per bu						3.67
Cash Cost per bu						2.19

**2018 Budget 38-Corn, Silage, No Till, Following Corn (26 ton Actual Yield)
Pivot Irrigated Diesel, 800 GPM 35 PSI, 12 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.45 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		1.00	0.30	0.35	0.29	1.08	0.04	3.06	
2 Spread Manure	Custom									
3 Plant No-Till	1		2.40	0.95	0.86	4.41	2.70	6.13	17.45	
4 Spray Herbicide	Custom									
5 Pivot D 125' Lift	12	ai	8.33	62.74	4.12	19.37	5.51	10.63	110.70	
6 Aerial Spray	Custom									
7 Chop Silage	Custom									
Total for Field Operations			11.73	63.99	5.33	24.07	9.29	16.80	131.21	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	1	100%	1 pint	2.13	2.13	
Uncomposted manure	2	100%	20 ton	1.00	20.00	
Haul & Apply Manure	2	100%	20 ton	6.00	120.00	
Bicep II Magnum	3	100%	1.4 quart	11.25	15.75	
Corn	3	100%	30.8 k seed	2.38	73.08	
* Capture LFR	3	100%	6.6 ounce	2.34	15.47	
Spray	4	50%	1 acre	7.00	3.50	
Armezon Pro	4	50%	14 ounce	1.33	9.30	
NIS	4	50%	6 ounce	0.09	0.26	
UAN	4	50%	4 pint	0.16	0.33	
* Aerial Spray	6	15%	1 acre	10.00	1.50	
* Brigade 2EC	6	10%	2.5 ounce	0.70	0.18	
* Mustang Max EC	6	5%	2 ounce	1.41	0.14	
Chop, Haul, Pack	7	100%	26 ton	10.75	279.50	
Scouting Irrigated Corn		100%	1 acre	9.00	9.00	
Crop Insurance				6.00	6.00	
Total Materials & Services					556.14	

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

Total listed costs for Field Operations and Materials and Services					687.35	
Interest on Operations Capital	\$ 661.26	cash expense @	5.50%	for 6.0 mo.	18.18	
Total Operating and Use Related Ownership Costs					705.53	
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,295	per acre @	3.00%	188.85	
Real Estate Taxes		\$ 6,295	per acre @	1.00%	62.95	
Total Cost per Acre Including Overhead					977.33	
Cost per ton					37.59	
Cash Cost per ton					26.13	