

2021 Nebraska Crop Budgets

Robert Klein, Senior Editor, Western Nebraska Crop Specialist
Glennis McClure, Extension Educator - Agricultural Economics

The 2021 Nebraska Crop budget projections were created using cropping practice norms for many producers in Nebraska. However, each individual farming operation is unique.

These budgets are available in both Adobe PDF and Excel worksheet formats. Producers can 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 that no alterations have been made or unrealistic data entered. Therefore, 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 <https://cropwatch.unl.edu/budgets>.

For more information contact:
Robert Klein, 308-696-6705 or rklein1@unl.edu
Glennis McClure, 402-472-0661 or gmcclure3@unl.edu

The following individuals contributed to these budgets in their specialty area:

Robert Harveson	Extension Entomologist
Tamra Jackson-Ziems	Plant Pathologist - Corn, Soybeans, and Sorghum
Paul Jasa	Extension Biological Systems Engineer
Jay Parsons	Professor - Agricultural Economics
Chris Proctor	Extension Educator - Weed Management
Stephen Wegulo	Plant Pathologist - Wheat and Ornamental
Robert Wright	Extension Entomologist

Nebraska 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.

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

© 2020, The Board of Regents of the University of Nebraska on behalf of the University of Nebraska-Lincoln Extension. All rights reserved.

**2021 Budget 26-Corn, Bt, ECB, RW, & RIB, Ridge Till, Continuous, 245 bushel Yield
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Anhydrous Application	1		2.29	0.91	0.96	0.58	2.83	3.63	11.20	
3 Ridge Plant and Band Herbicide	1		3.00	0.59	1.16	5.63	3.39	3.49	17.26	
4 Ridge Cultivation	1		2.50	0.92	1.16	0.89	3.39	1.01	9.87	
5 Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
6 Spray Herbicide	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	41.67	41.81	4.94	3.42	11.07	5.56	108.47	
9 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
10 Cart	245	bu	4.38	0.82	1.84	2.24	5.39	1.32	15.99	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		2.23	0.80	0.94	0.35	2.75	1.59	8.66	
Total for Field Operations			63.06	49.48	22.44	15.86	43.17	23.63	217.64	

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	2.00	1.00
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.09	1.50
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26
82-0-0	Fertilizer	2	100%	220 lbs N	0.27	59.40
Corn Bt, ECB, RW, & RIB	Seed	3	100%	34.0 k seed	3.50	119.00
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00
Bicep II Magnum	Herbicide	3	40%	1.8 quart	10.00	7.20
Spray	Custom	6	50%	1 acre	7.00	3.50
Laudis	Herbicide	6	50%	3 ounce	4.77	7.15
Atrazine 90 DF	Herbicide	6	50%	0.5 pound	3.50	0.88
Crop Oil Concentrate	Additive	6	50%	1 pint	1.25	0.63
UAN	Additive	6	50%	3 pint	0.16	0.23
* Spray	Custom	6	30%	1 acre	7.00	2.10
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.17	0.60
* Miravis Neo	Fungicide	6	20%	10 ounce	1.33	2.66
Spray	Custom	7	20%	1 acre	7.00	1.40
Miravis Neo	Fungicide	7	20%	10 ounce	1.33	2.66
Haul Grain Bushels	Custom	11	100%	245 bushel	0.11	26.95
Dry 2 Points Removed	Custom	12	20%	245 bushel	0.08	3.92
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00
Crop Insurance					9.00	9.00
Total Materials & Services						274.04

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						491.68
Interest on Operations Capital \$ 424.88	cash expense @	5.50%	for 6.0 mo.			11.68
Total Operating and Use Related Ownership Costs						503.36
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00
Real Estate Opportunity [^]	Gravity (State)	\$ 5,755	per acre @	3.00%		172.65
Real Estate Taxes		\$ 5,755	per acre @	1.25%		71.94
Total Cost per Acre Including Overhead						772.95

Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.18
Cost of production per bushel		3.15

**2021 Budget 27-Corn, Bt, ECB, & RIB, Ridge Till, after Beans, 255 bushel Yield
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2	Anhydrous Application	1		2.29	0.91	0.96	0.58	2.83	3.63	11.20	
3	Ridge Plant and Band Herbicide	1		3.00	0.59	1.16	5.63	3.39	3.49	17.26	
4	Ridge Cultivation	1		2.50	0.92	1.16	0.89	3.39	1.01	9.87	
5	Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
6	Spray Herbicide	Custom									
7	Spray	Custom									
8	Pipe D 125' Lift	18	ai	41.67	41.81	4.94	3.42	11.07	5.56	108.47	
9	Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
10	Cart	255	bu	4.55	0.86	1.91	2.33	5.61	1.38	16.64	
11	Truck	Custom									
12	Dry Grain	Custom									
Total for Field Operations				61.00	48.72	21.57	15.60	40.64	22.10	209.63	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								2,4-D Ester LV4
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.09	1.50		
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26		
82-0-0	Fertilizer	2	100%	185 lbs N	0.27	49.95		
Corn Bt, ECB, & RIB	Seed	3	100%	35.4 k seed	3.13	110.63		
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00		
Bicep II Magnum	Herbicide	3	40%	1.8 quart	10.00	7.20		
Spray	Custom	6	50%	1 acre	7.00	3.50		
Laudis	Herbicide	6	50%	3 ounce	4.77	7.15		
Atrazine 90 DF	Herbicide	6	50%	0.5 pound	3.50	0.88		
Crop Oil Concentrate	Additive	6	50%	1 pint	1.25	0.63		
UAN	Additive	6	50%	3 pint	0.16	0.23		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.17	0.60		
* Mustang Maxx	Insecticide	6	20%	2 ounce	1.48	0.59		
Spray	Custom	7	20%	1 acre	7.00	1.40		
Revyteck	Fungicide	7	20%	8 ounce	3.13	5.00		
Haul Grain Bushels	Custom	11	100%	255 bushel	0.11	28.05		
Dry 2 Points Removed	Custom	12	20%	255 bushel	0.08	4.08		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				9.00	9.00		
Total Materials & Services							257.75	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						467.38	
Interest on Operations Capital	\$ 404.64	cash expense @	5.50%	for 6.0 mo.		11.13	
Total Operating and Use Related Ownership Costs						478.51	
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00	
Real Estate Opportunity [^]	Gravity (State)	\$ 5,755	per acre @	3.00%		172.65	
Real Estate Taxes		\$ 5,755	per acre @	1.25%		71.94	
Total Cost per Acre Including Overhead						748.10	
Cash Cost per bushel						2.01	
Cost of production per bushel						2.93	

[^]Ownership and RE Opportunity not included in cash costs.

**2021 Budget 28-Corn, SmartStax RIB Complete, Ridge Till, Continuous, 250 bushel Yield
Gravity Irrigated, fed by a well, 1,000 GPM 10 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Anhydrous Application	1		2.29	0.91	0.96	0.58	2.83	3.63	11.20	
3 Ridge Plant and Band Herbicide	1		3.00	0.59	1.16	5.63	3.39	3.49	17.26	
4 Ridge Cultivation	1		2.50	0.92	1.16	0.89	3.39	1.01	9.87	
5 Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
6 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pipe D 125' Lift	18	ai	41.67	41.81	4.94	3.42	11.07	5.56	108.47	
10 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
11 Cart	250	bu	4.46	0.84	1.88	2.29	5.50	1.35	16.32	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		2.23	0.80	0.94	0.35	2.75	1.59	8.66	
Total for Field Operations			64.09	49.64	22.83	16.51	44.31	24.74	222.12	

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	2.00	1.00	
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.09	1.50	
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26	
82-0-0	Fertilizer	2	100%	225 lbs N	0.27	60.75	
Corn SmartStax RIB Complete	Seed	3	100%	34.7 k seed	3.63	125.79	
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00	
Bicep II Magnum	Herbicide	3	40%	1.8 quart	10.00	7.20	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce	0.09	3.00	
21-0-0-24S	Additive	6	100%	1.7 pound	0.31	0.53	
Status	Herbicide	6	100%	5 ounce	5.00	25.00	
Spray	Custom	7	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.17	0.60	
Spray	Custom	8	10%	1 acre	7.00	0.70	
Stratego YLD	Fungicide	8	10%	2 ounce	4.69	0.94	
Haul Grain Bushels	Custom	12	100%	250 bushel	0.11	27.50	
Dry 2 Points Removed	Custom	13	10%	250 bushel	0.08	2.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00	
	Crop Insurance				9.00	9.00	
Total Materials & Services						290.47	

Total listed costs for Field Operations and Materials and Services						512.59		
Interest on Operations Capital \$ 443.54	cash expense @	5.50%	for 6.0 mo.			12.20		
Total Operating and Use Related Ownership Costs						524.79		
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00		
Real Estate Opportunity [^]	Gravity (State)	\$ 5,755	per acre @	3.00%		172.65		
Real Estate Taxes		\$ 5,755	per acre @	1.25%		71.94		
Total Cost per Acre Including Overhead						794.38		
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.						2.21	
Cost of production per bushel						3.18		

2021 Budget 29-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 175 bushel Yield Gravity Irrigated, fed by canal, 15 acre/inches

	Field Operations	Times or Qty	Unit	Labor @ \$25.00/Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2	Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
3	Spray Fertilizer and Herbicide	1		0.95	0.14	0.35	0.16	1.03	2.71	5.34	
4	Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5	Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
6	Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
7	Ridge Cultivate/Ditch	1		2.29	0.77	0.96	0.37	2.83	1.52	8.74	
8	Spray Insecticide	Custom									
9	Spray	Custom									
10	Ditch Irrigation	15	ai	20.83	0.00	5.15	0.00	11.53	0.00	37.51	
11	Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
12	Cart	175	bu	3.13	0.59	1.31	1.60	3.85	0.94	11.42	
13	Truck	Custom									
14	Dry Grain	Custom									
15	Chop Stalks	1		2.23	0.80	0.94	0.35	2.75	1.59	8.66	
Total for Field Operations				45.48	8.88	23.55	13.18	50.25	23.55	164.89	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
32-0-0	Fertilizer	3	100%	80 lbs N		0.35	28.00	
Balance Flexx	Herbicide	3	100%	4 ounce		5.00	20.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart		10.00	21.00	
10-34-0	Fertilizer	4	100%	8 gallon		2.00	16.00	
Corn SmartStax RIB Complete	Seed	4	100%	27.2 k seed		3.63	98.60	
32-0-0	Fertilizer	5	100%	80 lbs N		0.35	28.00	
Spray	Custom	8	10%	1 acre		7.00	0.70	
Brigade 2EC	Insecticide	8	10%	5.12 ounce		1.17	0.60	
Spray	Custom	9	10%	1 acre		7.00	0.70	
Lucento	Fungicide	9	10%	3 ounce		3.32	1.00	
Haul Grain Bushels	Custom	13	100%	175 bushel		0.11	19.25	
Dry 2 Points Removed	Custom	14	10%	175 bushel		0.08	1.40	
Irrigation District O&M Charge	Other	10	100%	1 acre		30.00	30.00	
Scouting Irrigated Corn	Scouting		100%	1 acre		12.00	12.00	
	Crop Insurance					15.00	15.00	
Total Materials & Services							292.25	

Total listed costs for Field Operations and Materials and Services 457.14

Interest on Operations Capital \$ 383.34 cash expense @ 5.50% for 6.0 mo. 10.54

Total Operating and Use Related Ownership Costs 467.68

Overhead (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity^ Gravity (Panhandle) \$ 2,135 per acre @ 3.00% 64.05

Real Estate Taxes \$ 2,135 per acre @ 1.25% 26.69

Total Cost per Acre Including Overhead 583.42

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs. 2.55

Cost of production per bushel 3.33

**2021 Budget 30-Corn, Bt, ECB, RW, & RIB, No Till, Continuous, 245 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	2.63	16.19	4.61	8.88	68.39	
5 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
9 Cart	245	bu	4.38	0.82	1.84	2.24	5.39	1.32	15.99	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			23.92	30.13	16.64	27.60	26.45	25.51	150.25	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	1	50%	1 pint	2.00	1.00	
Glyphosate 5# w/Surfactant	1	50%	32 ounce	0.09	1.50	
21-0-0-24S	1	50%	1.7 pound	0.31	0.26	
Acuron	2	100%	2.5 quart	15.00	37.50	
Atrazine 4L	3	100%	1.0 quart	3.00	3.00	
Corn Bt, ECB, RW, & RIB	3	100%	34.0 k seed	3.50	119.00	
10-34-0	3	100%	6 gallon	2.00	12.00	
32-0-0 (Applied by R2)	4	100%	220 lbs N	0.35	77.00	
Status	5	50%	5 ounce	5.00	12.50	
Atrazine 90 DF	5	50%	0.5 pound	3.50	0.88	
Crop Oil Concentrate	5	50%	1 pint	1.25	0.63	
UAN	5	50%	3 pint	0.16	0.23	
* Spray	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	6	10%	5.12 ounce	1.17	0.60	
* Mustang Maxx	6	20%	3 ounce	1.48	0.89	
Spray	7	20%	1 acre	7.00	1.40	
Miravis Neo	7	20%	10 ounce	1.33	2.66	
Haul Grain Bushels	10	100%	245 bushel	0.11	26.95	
Dry 2 Points Removed	11	20%	245 bushel	0.08	3.92	
Scouting Irrigated Corn	Scouting	100%	1 acre	12.00	12.00	
Crop Insurance				9.00	9.00	
Total Materials & Services					325.02	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services					475.27	
Interest on Operations Capital \$ 423.31	cash expense @	5.50%	for 6.0 mo.		11.64	
Total Operating and Use Related Ownership Costs					486.91	
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00	
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%	183.75	
Real Estate Taxes		\$ 6,125	per acre @	1.25%	76.56	
Total Cost per Acre Including Overhead					772.22	
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.				2.19	
Cost of production per bushel					3.15	

**2021 Budget 31-Corn, SmartStax RIB Complete, No Till, Continuous, 250 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
4 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
5 Spray Insecticide	Custom									
6 Spray	Custom									
7 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	2.63	16.19	4.61	8.88	68.39	
8 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
9 Cart	250	bu	4.46	0.84	1.88	2.29	5.50	1.35	16.32	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			24.00	30.04	16.68	27.07	26.56	24.74	149.09	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.09	1.50
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26
Acuron	Herbicide	2	100%	2.5 quart	15.00	37.50
Corn SmartStax RIB Complete	Seed	3	100%	34.7 k seed	3.63	125.79
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00
32-0-0 (Applied by R2)	Fertilizer	7	100%	225 lbs N	0.35	78.75
Glyphosate 5# w/Surfactant	Herbicide	4	50%	32 ounce	0.09	1.50
21-0-0-24S	Additive	4	50%	1.7 pound	0.31	0.26
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	1.17	0.60
Spray	Custom	6	20%	1 acre	7.00	1.40
Revyteck	Fungicide	6	20%	8 ounce	3.13	5.00
Haul Grain Bushels	Custom	10	100%	250 bushel	0.11	27.50
Dry 2 Points Removed	Custom	11	10%	250 bushel	0.08	2.00
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00
	Crop Insurance				9.00	9.00
Total Materials & Services						326.06

Total listed costs for Field Operations and Materials and Services		475.15
Interest on Operations Capital \$ 423.85	cash expense @ 5.50% for 6.0 mo.	11.66
Total Operating and Use Related Ownership Costs		486.81
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^]	Pivot (State) \$ 6,125 per acre @ 3.00%	183.75
Real Estate Taxes	\$ 6,125 per acre @ 1.25%	76.56
Total Cost per Acre Including Overhead		772.12
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.15
Cost of production per bushel		3.09

**2021 Budget 32-Corn, Bt, ECB, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	2.63	16.19	4.61	8.88	68.39	
5 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
9 Cart	275	bu	4.91	0.92	2.06	2.52	6.06	1.48	17.95	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			24.45	30.23	16.86	27.88	27.12	25.67	152.21	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate 5# w/Surfactant	1	50%	32	ounce	0.09	1.50	
2,4-D Ester LV4	1	50%	1	pint	2.00	1.00	
21-0-0-24S	1	50%	1.7	pound	0.31	0.26	
Acuron	2	100%	2.5	quart	15.00	37.50	
Crop Oil Concentrate	2	100%	1.6	pint	1.25	2.00	
21-0-0-24S	2	100%	2.5	pound	0.31	0.78	
Corn Bt, ECB, & RIB	3	100%	38.2	k seed	3.13	119.38	
10-34-0	3	100%	6.0	gallon	2.00	12.00	
32-0-0 (Applied by R2)	4	100%	200.0	lbs N	0.35	70.00	
Armezon Pro	5	50%	14	ounce	1.33	9.30	
Atrazine 90 DF	5	50%	0.5	pound	3.50	0.88	
Crop Oil Concentrate	5	50%	0.5	pint	1.25	0.31	
UAN	5	50%	3	pint	0.16	0.23	
* Spray	6	30%	1	acre	7.00	2.10	
* Brigade 2EC	6	10%	5.12	ounce	1.17	0.60	
* Mustang Maxx	6	20%	3	ounce	1.48	0.89	
Spray	7	30%	1	acre	7.00	2.10	
Stratego YLD	7	30%	2	ounce	4.69	2.81	
Haul Grain Bushels	10	100%	275	bushel	0.11	30.25	
Dry 2 Points Removed	11	20%	275	bushel	0.08	4.40	
Scouting Irrigated Corn		100%	1	acre	12.00	12.00	
Crop Insurance					10.00	10.00	
Total Materials & Services						320.29	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services						472.50
Interest on Operations Capital \$ 419.71	cash expense @	5.50%	for 6.0 mo.			11.54
Total Operating and Use Related Ownership Costs						484.04
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%		183.75
Real Estate Taxes		\$ 6,125	per acre @	1.25%		76.56
Total Cost per Acre Including Overhead						769.35

Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	1.94
Cost of production per bushel		2.80

**2021 Budget 33-Corn, Enlist, Bt, ECB, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	2.63	16.19	4.61	8.88	68.39	
5 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
9 Cart	275	bu	4.91	0.92	2.06	2.52	6.06	1.48	17.95	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			24.93	30.30	17.03	28.18	27.64	26.21	154.29	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
2,4-D Ester LV4	Herbicide	1	50%	1 pint	2.00	1.00		
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26		
Acuron	Herbicide	2	100%	2.5 quart	15.00	37.50		
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.25	2.00		
21-0-0-24S	Additive	2	100%	2.5 pound	0.31	0.78		
Corn Enlist, Bt, ECB, & RIB	Seed	3	100%	38.2 k seed	3.25	124.15		
10-34-0	Fertilizer	3	100%	6.0 gallon	2.00	12.00		
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.35	70.00		
Enlist DUO	Herbicide	5	100%	76 ounce	0.23	17.81		
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.25	0.31		
* UAN	Additive	5	50%	3 pint	0.16	0.23		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.1 ounce	1.17	0.60		
Mustang Maxx	Insecticide	6	20%	3.0 ounce	1.48	0.89		
Spray	Custom	7	30%	1 acre	7.00	2.10		
Lucento	Fungicide	7	30%	3 ounce	3.32	2.99		
Haul Grain Bushels	Custom	10	100%	275 bushel	0.11	30.25		
Dry 2 Points Removed	Custom	11	20%	275 bushel	0.08	4.40		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				10.00	10.00		
Total Materials & Services							332.87	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 433.31 cash expense @ 5.50% for 6.0 mo. 11.92

Total Operating and Use Related Ownership Costs

499.08

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

Real Estate Opportunity[^] Pivot (State) \$ 6,125 per acre @ 3.00% 183.75

Real Estate Taxes \$ 6,125 per acre @ 1.25% 76.56

Total Cost per Acre Including Overhead

784.39

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 1.99

Cost of production per bushel 2.85

**2021 Budget 34-Corn, Bt, ECB, RR2, LL, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	2.63	16.19	4.61	8.88	68.39	
5 Spray Herbicide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
9 Cart	275	bu	4.91	0.92	2.06	2.52	6.06	1.48	17.95	
10 Truck	Custom									
11 Dry Grain	Custom									
Total for Field Operations			24.45	30.23	16.86	27.88	27.12	25.67	152.21	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
2,4-D Ester LV4	Herbicide	1	50%	1 pint	2.00	1.00		
21-0-0-24S	Additive	1	50%	1.7 pound	0.31	0.26		
Acuron	Herbicide	2	100%	2.5 quart	15.00	37.50		
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.25	2.00		
21-0-0-24S	Additive	2	100%	2.5 pound	0.31	0.78		
Corn Bt, ECB, RR2, LL, & RIB	Seed	3	100%	38.2 k seed	3.13	119.38		
10-34-0	Fertilizer	3	100%	6.0 gallon	2.00	12.00		
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.35	70.00		
Liberty	Herbicide	5	100%	40 ounce	0.39	15.63		
Armezon	Herbicide	5	50%	0.75 ounce	21.00	7.88		
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.50	0.88		
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.25	0.31		
* UAN	Additive	5	50%	3 pint	0.16	0.23		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.17	0.60		
Mustang Maxx	Insecticide	6	20%	3 ounce	1.48	0.89		
Spray	Custom	7	30%	1 acre	7.00	2.10		
Miravis Neo	Fungicide	7	30%	10 ounce	1.33	3.98		
Haul Grain Bushels	Custom	10	100%	275 bushel	0.11	30.25		
Dry 2 Points Removed	Custom	11	20%	275 bushel	0.08	4.40		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
Crop Insurance					10.00	10.00		
Total Materials & Services							335.67	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		487.88
Interest on Operations Capital \$ 435.09 cash expense @ 5.50% for 6.0 mo.		11.96
Total Operating and Use Related Ownership Costs		499.84
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity^ Pivot (State)	\$ 6,125 per acre @ 3.00%	183.75
Real Estate Taxes	\$ 6,125 per acre @ 1.25%	76.56
Total Cost per Acre Including Overhead		785.15

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 1.99
Cost of production per bushel 2.86

**2021 Budget 35-Corn, Bt, ECB, RW, & RIB, Conventional Tillage, Continuous, 235 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
3 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
4 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
6 Row Crop Cultivation	0.25		0.63	0.14	0.26	0.11	0.77	0.38	2.29	
7 Spray Insecticide		Custom								
8 Spray		Custom								
9 Pivot D 125' Lift w/fertigation	13	ai	15.05	41.61	4.46	23.38	8.47	12.83	105.80	
10 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
11 Cart	235	bu	4.20	0.79	1.76	2.15	5.17	1.27	15.34	
12 Truck		Custom								
13 Dry Grain		Custom								
Total for Field Operations			34.91	48.74	20.76	36.94	41.03	32.35	214.73	

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	10.00	21.00	
Corn Bt, ECB, RW, & RIB		4	100%	32.6 k seed	3.50	114.10	
10-34-0		4	100%	6 gallon	2.00	12.00	
32-0-0 (Applied by R2)		9	100%	210 lbs N	0.35	73.50	
* Spray		7	30%	1 acre	7.00	2.10	
* Brigade 2EC		7	10%	5.12 ounce	1.17	0.60	
* Mustang Maxx		7	20%	3 ounce	1.48	0.89	
Spray		8	20%	1 acre	7.00	1.40	
Revyteck		8	20%	8 ounce	3.13	5.00	
Haul Grain Bushels		12	100%	235 bushel	0.11	25.85	
Dry 2 Points Removed		13	20%	235 bushel	0.08	3.76	
Scouting Irrigated Corn			100%	1 acre	12.00	12.00	
Crop Insurance					9.00	9.00	
Total Materials & Services						301.20	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 442.55 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) \$ 6,125 per acre @ 3.00%
Real Estate Taxes \$ 6,125 per acre @ 1.25%

Total Cost per Acre Including Overhead

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.

Cost of production per bushel

**2021 Budget 36-Corn, Bt, ECB, & RIB, Conventional Tillage, after Beans, 245 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
4 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
5 Row Crop Cultivation	0.25		0.63	0.14	0.26	0.11	0.77	0.38	2.29	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Pivot D 125' Lift w/fertigation	13	ai	15.05	41.61	4.46	23.38	8.47	12.83	105.80	
9 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
10 Cart	245	bu	4.38	0.82	1.84	2.24	5.39	1.32	15.99	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			32.57	47.46	20.19	35.63	35.40	31.15	202.40	

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	10.00	21.00	
Corn Bt, ECB, & RIB	Seed	3	100%	34.0 k seed	3.13	106.25	
10-34-0	Fertilizer	3	100%	6 gallon	2.00	12.00	
32-0-0 (Applied by R2)	Fertilizer	8	100%	175 lbs N	0.35	61.25	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.17	0.60	
* Mustang Maxx	Insecticide	6	20%	3 ounce	1.48	0.89	
Spray	Custom	7	20%	1 acre	7.00	1.40	
Stratego YLD	Fungicide	7	20%	2 ounce	4.69	1.88	
Haul Grain Bushels	Custom	11	100%	245 bushel	0.11	26.95	
Dry 2 Points Removed	Custom	12	20%	245 bushel	0.08	3.92	
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00	
Crop Insurance					9.00	9.00	
Total Materials & Services						279.24	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		481.64	
Interest on Operations Capital \$ 415.09	cash expense @ 5.50% for 6.0 mo.	11.41	
Total Operating and Use Related Ownership Costs		493.05	
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00	
Real Estate Opportunity^	Pivot (State)	\$ 6,125	per acre @ 3.00%
Real Estate Taxes		\$ 6,125	per acre @ 1.25%
Total Cost per Acre Including Overhead		778.36	

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	2.16
Cost of production per bushel		3.18

**2021 Budget 37-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 175 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
3 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
4 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
6 Spray Herbicide	Custom									
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	3.80	23.38	6.66	12.83	98.78	
10 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
11 Cart	175	bu	3.13	0.59	1.31	1.60	3.85	0.94	11.42	
12 Truck	Custom									
13 Dry Grain	Custom									
Total for Field Operations			33.21	43.85	19.39	36.28	37.13	31.64	201.50	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Balance Flexx	Herbicide	3	100%	4 ounce	5.00	20.00
Bicep II Magnum	Herbicide	3	100%	2.1 quart	10.00	21.00
10-34-0	Fertilizer	4	100%	8 gallon	2.00	16.00
Corn SmartStax RIB Complete	Seed	4	100%	27.2 k seed	3.63	98.60
32-0-0 (Applied by R2)	Fertilizer	8	100%	160 lbs N	0.35	56.00
Spray	Custom	6	100%	1 acre	7.00	7.00
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce	0.09	3.00
Armezon Pro	Herbicide	6	100%	14 ounce	1.33	18.59
21-0-0-24S	Additive	6	100%	1.7 pound	0.31	0.53
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.17	0.60
Aerial Spray	Custom	8	10%	1 acre	10.00	1.00
Lucento	Fungicide	8	10%	3 ounce	3.32	1.00
Electricity Fixed	Other	9	100%	1 acre	30.00	30.00
Haul Grain Bushels	Custom	12	100%	175 bushel	0.11	19.25
Dry 2 Points Removed	Custom	13	10%	175 bushel	0.08	1.40
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00
	Crop Insurance				15.00	15.00
Total Materials & Services					321.97	

Total listed costs for Field Operations and Materials and Services		523.47
Interest on Operations Capital \$ 454.70	cash expense @ 5.50% for 6.0 mo.	12.50
Total Operating and Use Related Ownership Costs		535.97
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^]	Pivot (Panhandle) \$ 2,460 per acre @ 3.00%	73.80
Real Estate Taxes	\$ 2,460 per acre @ 1.25%	30.75
Total Cost per Acre Including Overhead		665.52
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.99
Cost of production per bushel		3.80

**2021 Budget 38-Corn, Bt, ECB, RR2, LL, & RIB, Panhandle, Conventional Tillage, after Beans, 185 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
2 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
3 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
4 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
5 Spray Herbicide	Custom									
6 Aerial Spray	Custom									
7 Aerial Spray	Custom									
8 Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	3.80	23.38	6.66	12.83	98.78	
9 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
10 Cart	185	bu	3.30	0.62	1.39	1.69	4.07	1.00	12.07	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			30.86	42.57	18.82	34.97	31.50	30.45	189.17	

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	10.00	21.00		
10-34-0	Fertilizer	3	100%	8 gallon	2.00	16.00		
Corn Bt, ECB, RR2, LL, & RIB	Seed	3	100%	28.8 k seed	3.13	90.00		
32-0-0 (Applied by R2)	Fertilizer	8	100%	140 lbs N	0.35	49.00		
Spray	Custom	5	100%	1 acre	7.00	7.00		
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32 ounce	0.09	3.00		
DiFlexx DUO	Herbicide	5	100%	32 ounce	0.82	26.25		
Aerial Spray	Custom	6	10%	1 acre	10.00	1.00		
Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.17	0.60		
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00		
Miravis Neo	Fungicide	7	10%	10 ounce	1.33	1.33		
Electricity Fixed	Other	8	100%	1 acre	30.00	30.00		
Haul Grain Bushels	Custom	11	100%	185 bushel	0.11	20.35		
Dry 2 Points Removed	Custom	12	10%	185 bushel	0.08	1.48		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				16.00	16.00		
Total Materials & Services							316.01	

Total listed costs for Field Operations and Materials and Services		505.18
Interest on Operations Capital \$ 443.23 cash expense @ 5.50% for 6.0 mo.		12.19
Total Operating and Use Related Ownership Costs		517.37
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity [^] Pivot (Panhandle) \$ 2,460 per acre @ 3.00%		73.80
Real Estate Taxes \$ 2,460 per acre @ 1.25%		30.75
Total Cost per Acre Including Overhead		646.92
Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	2.76
Cost of production per bushel		3.50

**2021 Budget 39-Corn, SmartStax RIB Complete, Conventional Tillage, Continuous, 240 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
3 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
4 Plant	1		3.00	0.47	1.16	5.31	3.39	7.38	20.71	
5 Row Crop Cultivation	1		2.50	0.55	1.05	0.44	3.08	1.52	9.14	
6 Row Crop Cultivation	0.25		0.63	0.14	0.26	0.11	0.77	0.38	2.29	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Spray Herbicide	Custom									
10 Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	3.80	23.38	6.66	12.83	98.78	
11 Combine Irr Corn	1		4.23	2.79	10.30	2.08	11.01	4.97	35.38	
12 Cart	240	bu	4.29	0.81	1.80	2.20	5.28	1.29	15.67	
13 Truck	Custom									
14 Dry Grain	Custom									
Total for Field Operations			35.00	44.21	20.14	36.99	39.33	32.37	208.04	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	10.00	21.00
Corn SmartStax RIB Complete	Seed	4	100%	33.3 k seed	3.63	120.71
10-34-0	Fertilizer	4	100%	6 gallon	2.00	12.00
Spray	Herbicide	9	100%	1 acre	7.00	7.00
DiFlexx DUO	Herbicide	9	100%	32 ounce	0.82	26.25
32-0-0 (Applied by R2)	Fertilizer	10	100%	215 lbs N	0.35	75.25
Spray	Custom	7	10%	1 acre	7.00	0.70
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.17	0.60
Spray	Custom	8	20%	1 acre	7.00	1.40
Revyteck	Fungicide	8	20%	8 ounce	3.13	5.00
Haul Grain Bushels	Custom	13	100%	240 bushel	0.11	26.40
Dry 2 Points Removed	Custom	14	20%	240 bushel	0.08	3.84
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00
	Crop Insurance				9.00	9.00
Total Materials & Services					341.15	

Total listed costs for Field Operations and Materials and Services					549.19
Interest on Operations Capital \$ 477.49 cash expense @ 5.50% for 6.0 mo.					13.13
Total Operating and Use Related Ownership Costs					562.32
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%	183.75
Real Estate Taxes		\$ 6,125	per acre @	1.25%	76.56
Total Cost per Acre Including Overhead					847.63
Cash Cost per bushel					2.47
Cost of production per bushel					3.53

[^]Ownership and RE Opportunity not included in cash costs.

**2021 Budget 40-Corn, Silage, No Till, Continuous, 28 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 12 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
2 Spread Manure	Custom									
3 Plant No-Till	1		3.00	0.58	1.16	5.89	3.39	8.18	22.20	
4 Spray Herbicide	Custom									
5 Pivot D 125' Lift	12	ai	10.42	38.41	4.12	20.75	7.81	11.39	92.90	
6 Aerial Spray	Custom									
7 Chop Silage	Custom									
Total for Field Operations			14.37	39.13	5.63	27.24	12.23	20.65	119.25	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								2,4-D Ester LV4
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	10.00	14.00		
Corn	Seed	3	100%	32.2 k seed	2.75	88.55		
* Capture LFR	Insecticide	3	100%	6.6 ounce	2.81	18.56		
Spray	Custom	4	50%	1 acre	7.00	3.50		
Armezon Pro	Herbicide	4	50%	14 ounce	1.33	9.30		
NIS	Additive	4	50%	6 ounce	0.16	0.47		
UAN	Additive	4	50%	4 pint	0.16	0.31		
* Aerial Spray	Custom	6	15%	1 acre	10.00	1.50		
* Brigade 2EC	Insecticide	6	10%	2.5 ounce	1.17	0.29		
* Mustang Maxx	Insecticide	6	5%	3 ounce	1.48	0.22		
Chop, Haul, Pack	Custom	7	100%	28 ton	10.75	301.00		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
Crop Insurance					9.00	9.00		
Total Materials & Services							600.70	

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

Total listed costs for Field Operations and Materials and Services		719.95
Interest on Operations Capital \$ 687.07	cash expense @ 5.50% for 6.0 mo.	18.89
Total Operating and Use Related Ownership Costs		738.84
Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity^	Pivot (State) \$ 6,125 per acre @ 3.00%	183.75
Real Estate Taxes	\$ 6,125 per acre @ 1.25%	76.56
Total Cost per Acre Including Overhead		1,024.15
Cash Cost per ton	<i>^Ownership and RE Opportunity not included in cash costs.</i>	28.84
Cost of production per ton		36.58