

# 2020 Nebraska Crop Budgets

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The 2020 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>.

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**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Anhydrous Application	1		2.29	1.38	0.79	0.58	2.47	3.63	11.14	
3 Ridge Plant and Band Herbicide	1		3.00	0.89	0.95	5.63	2.96	3.49	16.92	
4 Ridge Cultivation	1		2.50	1.39	0.95	0.89	2.96	1.01	9.70	
5 Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
6 Spray Herbicide	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	41.67	63.28	4.94	3.42	11.07	5.56	129.94	
9 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
10 Cart	245	bu	4.38	1.25	1.51	2.24	4.71	1.32	15.41	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		2.23	1.21	0.77	0.35	2.40	1.59	8.55	
<b>Total for Field Operations</b>			63.06	74.88	20.15	15.72	39.44	23.29	236.54	

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	0.12	1.88	
21-0-0-24S	1	50%	1.7 pound	0.35	0.30	
82-0-0	2	100%	220 lbs N	0.32	70.40	
Corn Bt, ECB, RW, & RIB	3	100%	34.0 k seed	3.50	119.00	
10-34-0	3	100%	6 gallon	2.45	14.70	
Bicep II Magnum	3	40%	1.8 quart	13.75	9.90	
Spray	6	50%	1 acre	7.00	3.50	
Laudis	6	50%	3 ounce	4.77	7.15	
Atrazine 90 DF	6	50%	0.5 pound	3.00	0.75	
Crop Oil Concentrate	6	50%	1 pint	1.25	0.63	
UAN	6	50%	3 pint	0.19	0.28	
* Spray	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	6	10%	5.12 ounce	0.98	0.50	
* Mustang Maxx	6	20%	2 ounce	1.41	0.56	
Spray	7	10%	1 acre	7.00	0.70	
Headline AMP	7	20%	10 ounce	2.58	5.16	
Haul Grain Bushels	11	100%	245 bushel	0.11	26.95	
Dry 2 Points Removed	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	
<b>Total Materials &amp; Services</b>						290.38

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

<b>Total listed costs for Field Operations and Materials and Services</b>		526.92
Interest on Operations Capital \$ 464.19 cash expense @ 5.50% for 6.0 mo.		12.77
<b>Total Operating and Use Related Ownership Costs</b>		539.69
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <sup>^</sup> Gravity (State)	\$ 5,690 per acre @ 3.00%	170.70
Real Estate Taxes	\$ 5,690 per acre @ 1.35%	76.82
<b>Total Cost per Acre Including Overhead</b>		807.21

<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	2.34
<b>Cost of production per bushel</b>		3.29

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Anhydrous Application	1		2.29	1.38	0.79	0.58	2.47	3.63	11.14	
3 Ridge Plant and Band Herbicide	1		3.00	0.89	0.95	5.63	2.96	3.49	16.92	
4 Ridge Cultivation	1		2.50	1.39	0.95	0.89	2.96	1.01	9.70	
5 Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
6 Spray Herbicide	Custom									
7 Spray	Custom									
8 Pipe D 125' Lift	18	ai	41.67	63.28	4.94	3.42	11.07	5.56	129.94	
9 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
10 Cart	255	bu	4.55	1.30	1.57	2.33	4.90	1.38	16.03	
11 Truck	Custom									
12 Dry Grain	Custom									
<b>Total for Field Operations</b>			61.00	73.72	19.44	15.46	37.23	21.76	228.61	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30
82-0-0	Fertilizer	2	100%	185 lbs N	0.32	59.20
Corn Bt, ECB, & RIB	Seed	3	100%	35.4 k seed	3.13	110.63
10-34-0	Fertilizer	3	100%	6 gallon	2.45	14.70
Bicep II Magnum	Herbicide	3	40%	1.8 quart	13.75	9.90
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	3.00	0.75
Crop Oil Concentrate	Additive	6	50%	1 pint	1.25	0.63
UAN	Additive	6	50%	3 pint	0.19	0.28
* Spray	Custom	6	30%	1 acre	7.00	2.10
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.98	0.50
* Mustang Maxx	Insecticide	6	20%	2 ounce	1.41	0.56
Spray	Custom	7	10%	1 acre	7.00	0.70
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16
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
<b>Total Materials &amp; Services</b>						272.07

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

<b>Total listed costs for Field Operations and Materials and Services</b>		500.68
Interest on Operations Capital \$ 441.69 cash expense @ 5.50% for 6.0 mo.		12.15
<b>Total Operating and Use Related Ownership Costs</b>		512.83
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <sup>^</sup> Gravity (State)	\$ 5,690 per acre @ 3.00%	170.70
Real Estate Taxes	\$ 5,690 per acre @ 1.35%	76.82
<b>Total Cost per Acre Including Overhead</b>		780.35
<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	2.16
<b>Cost of production per bushel</b>		3.06

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Anhydrous Application	1		2.29	1.38	0.79	0.58	2.47	3.63	11.14	
3 Ridge Plant and Band Herbicide	1		3.00	0.89	0.95	5.63	2.96	3.49	16.92	
4 Ridge Cultivation	1		2.50	1.39	0.95	0.89	2.96	1.01	9.70	
5 Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
6 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pipe D 125' Lift	18	ai	41.67	63.28	4.94	3.42	11.07	5.56	129.94	
10 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
11 Cart	250	bu	4.46	1.27	1.54	2.29	4.80	1.35	15.71	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		2.23	1.21	0.77	0.35	2.40	1.59	8.55	
<b>Total for Field Operations</b>			64.09	75.11	20.47	16.37	40.43	24.40	240.87	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88	
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30	
82-0-0	Fertilizer	2	100%	225 lbs N	0.32	72.00	
Corn SmartStax RIB Complete	Seed	3	100%	34.7 k seed	3.63	125.79	
10-34-0	Fertilizer	3	100%	6 gallon	2.45	14.70	
Bicep II Magnum	Herbicide	3	40%	1.8 quart	13.75	9.90	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce	0.12	3.75	
21-0-0-24S	Additive	6	100%	1.7 pound	0.35	0.60	
Status	Herbicide	6	100%	2.5 ounce	5.00	12.50	
Spray	Custom	7	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	0.98	0.50	
Spray	Custom	8	10%	1 acre	7.00	0.70	
Headline AMP	Fungicide	8	10%	10 ounce	2.58	2.58	
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	
<b>Total Materials &amp; Services</b>						297.40	

<b>Total listed costs for Field Operations and Materials and Services</b>						538.27	
Interest on Operations Capital \$ 473.44	cash expense @	5.50%	for 6.0 mo.			13.02	
<b>Total Operating and Use Related Ownership Costs</b>						551.29	
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity <sup>^</sup>	Gravity (State)	\$ 5,690	per acre @	3.00%		170.70	
Real Estate Taxes		\$ 5,690	per acre @	1.35%		76.82	
<b>Total Cost per Acre Including Overhead</b>						818.81	
<b>Cash Cost per bushel</b>						2.33	
<b>Cost of production per bushel</b>						3.28	

<sup>^</sup>Ownership and RE Opportunity not included in cash costs.

**2020 Budget 29-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 195 bushel Yield Gravity Irrigated, fed by canal, 15 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2	Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
3	Spray Fertilizer and Herbicide	1		0.95	0.21	0.29	0.16	0.90	2.71	5.22	
4	Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5	Spread Fertilizer	1		1.97	0.79	0.75	0.00	2.33	0.00	5.84	
6	Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
7	Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
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	4.22	9.31	1.94	9.95	4.63	34.28	
12	Cart	195	bu	3.48	0.99	1.20	1.78	3.75	1.05	12.25	
13	Truck	Custom									
14	Dry Grain	Custom									
15	Chop Stalks	1		2.23	1.21	0.77	0.35	2.40	1.59	8.55	
<b>Total for Field Operations</b>				45.83	13.53	21.30	10.74	46.35	19.91	157.66	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
32-0-0	Fertilizer	3	100%	135	lbs N	0.40	54.00	
Balance Flexx	Herbicide	3	100%	4	ounce	5.00	20.00	
Bicep II Magnum	Herbicide	3	100%	2.1	quart	13.75	28.88	
10-34-0	Fertilizer	4	100%	8	gallon	2.45	19.60	
Corn SmartStax RIB Complete	Seed	4	100%	30.0	k seed	3.63	108.75	
32-0-0	Fertilizer	5	100%	135	lbs N	0.40	54.00	
Spray	Custom	8	10%	1	acre	7.00	0.70	
Brigade 2EC	Insecticide	8	10%	5.12	ounce	0.98	0.50	
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%	195	bushel	0.11	21.45	
Dry 2 Points Removed	Custom	14	10%	195	bushel	0.08	1.56	
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	
<b>Total Materials &amp; Services</b>							369.72	

**Total listed costs for Field Operations and Materials and Services** 527.38

Interest on Operations Capital \$ 461.12 cash expense @ 5.50% for 6.0 mo. 12.68

**Total Operating and Use Related Ownership Costs** 540.06

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

Real Estate Opportunity^ Gravity (Panhandle) \$ 2,245 per acre @ 3.00% 67.35

Real Estate Taxes \$ 2,245 per acre @ 1.35% 30.31

**Total Cost per Acre Including Overhead** 657.72

**Cash Cost per bushel** ^Ownership and RE Opportunity not included in cash costs. 2.69

**Cost of production per bushel** 3.37

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
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	0.10	0.14	0.30	0.45	0.54	2.00	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
9 Cart	245	bu	4.38	1.25	1.51	2.24	4.71	1.32	15.41	
10 Truck	Custom									
11 Dry Grain	Custom									
<b>Total for Field Operations</b>			23.92	32.42	14.97	24.83	24.03	21.52	141.69	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	1	50%	1.7 pound	0.35	0.30
Lumax EZ	Herbicide	2	100%	2.7 quart	20.00	54.00
Atrazine 4L	Herbicide	3	100%	1.0 quart	3.50	3.50
Corn Bt, ECB, RW, & RIB	Seed	3	100%	34.0 k seed	3.50	119.00
10-34-0	Fertilizer	3	100%	6 gallon	2.45	14.70
32-0-0 (Applied by R2)	Fertilizer	4	100%	220 lbs N	0.40	88.00
Status	Herbicide	5	50%	4 ounce	5.00	10.00
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.00	0.75
Crop Oil Concentrate	Additive	5	50%	1 pint	1.25	0.63
UAN	Additive	5	50%	3 pint	0.19	0.28
* Spray	Custom	6	30%	1 acre	7.00	2.10
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.98	0.50
* Mustang Maxx	Insecticide	6	20%	3 ounce	1.41	0.84
Spray	Custom	7	10%	1 acre	7.00	0.70
Headline AMP	Fungicide	7	20%	10 ounce	2.58	5.16
Haul Grain Bushels	Custom	10	100%	245 bushel	0.11	26.95
Dry 2 Points Removed	Custom	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
<b>Total Materials &amp; Services</b>						355.21

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

<b>Total listed costs for Field Operations and Materials and Services</b>						496.90
Interest on Operations Capital \$ 451.35	cash expense @	5.50%	for 6.0 mo.			12.41
<b>Total Operating and Use Related Ownership Costs</b>						509.31
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity <sup>^</sup>	Pivot (State)	\$ 5,970	per acre @	3.00%		179.10
Real Estate Taxes		\$ 5,970	per acre @	1.35%		80.60
<b>Total Cost per Acre Including Overhead</b>						789.01
<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.					2.30
<b>Cost of production per bushel</b>						3.22

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
4 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
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	4.22	9.31	1.94	9.95	4.63	34.28	
9 Cart	250	bu	4.46	1.27	1.54	2.29	4.80	1.35	15.71	
10 Truck	Custom									
11 Dry Grain	Custom									
<b>Total for Field Operations</b>			24.00	32.27	15.00	24.53	24.12	21.07	140.99	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.12	1.88
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%	34.7 k seed	3.63	125.79
10-34-0	Fertilizer	3	100%	6 gallon	2.45	14.70
32-0-0 (Applied by R2)	Fertilizer	7	100%	225 lbs N	0.40	90.00
Glyphosate 5# w/Surfactant	Herbicide	4	50%	32 ounce	0.12	1.88
21-0-0-24S	Additive	4	50%	1.7 pound	0.35	0.30
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	0.98	0.50
Spray	Custom	6	20%	1 acre	7.00	1.40
Headline AMP	Fungicide	6	20%	10 ounce	2.58	5.16
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
<b>Total Materials &amp; Services</b>						357.41

<b>Total listed costs for Field Operations and Materials and Services</b>		498.40
Interest on Operations Capital \$ 453.21	cash expense @ 5.50% for 6.0 mo.	12.46
<b>Total Operating and Use Related Ownership Costs</b>		510.86
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <sup>^</sup>	Pivot (State) \$ 5,970 per acre @ 3.00%	179.10
Real Estate Taxes	\$ 5,970 per acre @ 1.35%	80.60
<b>Total Cost per Acre Including Overhead</b>		790.56
<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	2.27
<b>Cost of production per bushel</b>		3.16

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
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	0.10	0.14	0.30	0.45	0.54	2.00	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
9 Cart	275	bu	4.91	1.40	1.69	2.52	5.28	1.48	17.28	
10 Truck	Custom									
11 Dry Grain	Custom									
<b>Total for Field Operations</b>			24.45	32.57	15.15	25.11	24.60	21.68	143.56	

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	0.35	0.30	
Acuron	Herbicide	2	100%	2.5 quart	17.50	43.75	
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.25	2.00	
21-0-0-24S	Additive	2	100%	2.5 pound	0.35	0.88	
Corn Bt, ECB, & RIB	Seed	3	100%	38.2 k seed	3.13	119.38	
10-34-0	Fertilizer	3	100%	6.0 gallon	2.45	14.70	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.40	80.00	
Armezon Pro	Herbicide	5	50%	14 ounce	1.33	9.30	
Atrazine 90 DF	Herbicide	5	50%	1 pound	3.00	0.75	
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.25	0.31	
UAN	Additive	5	50%	3 pint	0.19	0.28	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.98	0.50	
* Mustang Maxx	Insecticide	6	20%	3 ounce	1.41	0.84	
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%	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	
<b>Total Materials &amp; Services</b>						344.45	

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

**Total listed costs for Field Operations and Materials and Services**

Interest on Operations Capital \$ 441.73 cash expense @ 5.50% for 6.0 mo. 12.15

**Total Operating and Use Related Ownership Costs** 500.16

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

Real Estate Opportunity<sup>^</sup> Pivot (State) \$ 5,970 per acre @ 3.00% 179.10

Real Estate Taxes \$ 5,970 per acre @ 1.35% 80.60

**Total Cost per Acre Including Overhead** 779.86

**Cash Cost per bushel** <sup>^Ownership and RE Opportunity not included in cash costs.</sup> 2.02

**Cost of production per bushel** 2.84



**2020 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 @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
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	0.10	0.14	0.30	0.45	0.54	2.00	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
9 Cart	275	bu	4.91	1.40	1.69	2.52	5.28	1.48	17.28	
10 Truck	Custom									
11 Dry Grain	Custom									
<b>Total for Field Operations</b>			24.45	32.57	15.15	25.11	24.60	21.68	143.56	

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	0.35	0.30	
Acuron	Herbicide	2	100%	2.5 quart	17.50	43.75	
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.25	2.00	
21-0-0-24S	Additive	2	100%	2.5 pound	0.35	0.88	
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	2.45	14.70	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.40	80.00	
Enlist DUO	Herbicide	5	100%	76 ounce	0.23	17.81	
Callisto 4SC	Herbicide	5	50%	2.5 ounce	2.73	3.42	
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.00	0.77	
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.25	0.31	
* UAN	Additive	5	50%	3 pint	0.19	0.28	
* Spray	Custom	6	30%	1 acre	7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.1 ounce	0.98	0.50	
Mustang Maxx	Insecticide	6	20%	3.0 ounce	1.41	0.84	
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%	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	
<b>Total Materials &amp; Services</b>						361.17	

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

<b>Total listed costs for Field Operations and Materials and Services</b>						504.73
Interest on Operations Capital \$ 458.45	cash expense @	5.50%	for 6.0 mo.			12.61
<b>Total Operating and Use Related Ownership Costs</b>						517.34
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity^	Pivot (State)	\$ 5,970	per acre @	3.00%		179.10
Real Estate Taxes		\$ 5,970	per acre @	1.35%		80.60
<b>Total Cost per Acre Including Overhead</b>						797.04

<b>Cash Cost per bushel</b>	<i>^Ownership and RE Opportunity not included in cash costs.</i>	2.08
<b>Cost of production per bushel</b>		2.90

**2020 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 @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Spring Burndown Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
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	0.10	0.14	0.30	0.45	0.54	2.00	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
9 Cart	275	bu	4.91	1.40	1.69	2.52	5.28	1.48	17.28	
10 Truck	Custom									
11 Dry Grain	Custom									
<b>Total for Field Operations</b>			24.45	32.57	15.15	25.11	24.60	21.68	143.56	

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	0.35	0.30		
Acuron	Herbicide	2	100%	2.5 quart	17.50	43.75		
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.25	2.00		
21-0-0-24S	Additive	2	100%	2.5 pound	0.35	0.88		
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	2.45	14.70		
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	0.40	80.00		
Liberty	Herbicide	5	100%	34 ounce	0.63	21.25		
Armezon	Herbicide	5	50%	0.75 ounce	21.00	7.88		
Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.00	0.75		
Crop Oil Concentrate	Additive	5	50%	0.5 pint	1.25	0.31		
* UAN	Additive	5	50%	3 pint	0.19	0.28		
* Spray	Custom	6	30%	1 acre	7.00	2.10		
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.98	0.50		
Mustang Maxx	Insecticide	6	20%	3 ounce	1.41	0.84		
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%	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		
<b>Total Materials &amp; Services</b>							364.28	

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

<b>Total listed costs for Field Operations and Materials and Services</b>		507.84
Interest on Operations Capital \$ 461.56	cash expense @ 5.50% for 6.0 mo.	12.69
<b>Total Operating and Use Related Ownership Costs</b>		520.53
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity^	Pivot (State)	179.10
Real Estate Taxes	\$ 5,970 per acre @ 1.35%	80.60
<b>Total Cost per Acre Including Overhead</b>		800.23

**Cash Cost per bushel** <sup>^Ownership and RE Opportunity not included in cash costs.</sup> 2.09  
**Cost of production per bushel** 2.91

**2020 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 @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
6 Row Crop Cultivation	0.25		0.63	0.21	0.22	0.11	0.67	0.38	2.22	
7 Spray Insecticide	Custom									
8 Spray	Custom									
9 Pivot D 125' Lift w/fertigation	13	ai	15.05	62.97	4.46	23.38	8.47	12.83	127.16	
10 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
11 Cart	235	bu	4.20	1.20	1.45	2.15	4.51	1.27	14.78	
12 Truck	Custom									
13 Dry Grain	Custom									
<b>Total for Field Operations</b>			34.91	73.76	18.77	34.32	37.52	28.60	227.88	

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	13.75	28.88	
Corn Bt, ECB, RW, & RIB	4	100%	32.6	k seed	3.50	114.10	
10-34-0	4	100%	6	gallon	2.45	14.70	
32-0-0 (Applied by R2)	9	100%	210	lbs N	0.40	84.00	
* Spray	7	30%	1	acre	7.00	2.10	
* Brigade 2EC	7	10%	5.12	ounce	0.98	0.50	
* Mustang Maxx	7	20%	3	ounce	1.41	0.84	
Spray	8	20%	1	acre	7.00	1.40	
Headline AMP	8	20%	10	ounce	2.58	5.16	
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	
<b>Total Materials &amp; Services</b>						322.29	

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

**Total listed costs for Field Operations and Materials and Services**

Interest on Operations Capital \$ 484.05 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) \$ 5,970 per acre @ 3.00%  
Real Estate Taxes \$ 5,970 per acre @ 1.35%

**Total Cost per Acre Including Overhead**

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

**Cost of production per bushel**

322.29	
550.17	
13.31	
563.48	
20.00	
179.10	
80.60	
843.18	
2.54	
3.59	

**2020 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 @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
4 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
5 Row Crop Cultivation	0.25		0.63	0.21	0.22	0.11	0.67	0.38	2.22	
6 Spray Insecticide	Custom									
7 Spray	Custom									
8 Pivot D 125' Lift w/fertigation	13	ai	15.05	62.97	4.46	23.38	8.47	12.83	127.16	
9 Combine Irr Corn	1		4.23	4.22	9.31	1.94	9.95	4.63	34.28	
10 Cart	245	bu	4.38	1.25	1.51	2.24	4.71	1.32	15.41	
11 Truck	Custom									
12 Dry Grain	Custom									
<b>Total for Field Operations</b>			32.57	71.83	18.23	33.05	32.32	27.43	215.43	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	2	100%	2.1 quart	13.75	28.88
Corn Bt, ECB, & RIB	Seed	3	100%	34.0 k seed	3.13	106.25
10-34-0	Fertilizer	3	100%	6 gallon	2.45	14.70
32-0-0 (Applied by R2)	Fertilizer	8	100%	175 lbs N	0.40	70.00
* Spray	Custom	6	30%	1 acre	7.00	2.10
* Brigade 2EC	Insecticide	6	10%	5.12 ounce	0.98	0.50
* Mustang Maxx	Insecticide	6	20%	3 ounce	1.41	0.84
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%	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
<b>Total Materials &amp; Services</b>						301.70

\*Insecticide for Spider mites and Western Bean Cutworm respectively.

**Total listed costs for Field Operations and Materials and Services**

Interest on Operations Capital \$ 457.38 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) \$ 5,970 per acre @ 3.00%  
Real Estate Taxes \$ 5,970 per acre @ 1.35%

**Total Cost per Acre Including Overhead**

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

**Cost of production per bushel**

**2020 Budget 37-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 195 bushel Yield  
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
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	4.22	9.31	1.94	9.95	4.63	34.28	
11 Cart	195	bu	3.48	0.99	1.20	1.78	3.75	1.05	12.25	
12 Truck	Custom									
13 Dry Grain	Custom									
<b>Total for Field Operations</b>			33.56	47.43	17.64	33.84	34.28	28.00	194.75	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	13.75	28.88	
10-34-0	Fertilizer	4	100%	8 gallon	2.45	19.60	
Corn SmartStax RIB Complete	Seed	4	100%	30.0 k seed	3.63	108.75	
32-0-0 (Applied by R2)	Fertilizer	8	100%	175 lbs N	0.40	70.00	
Spray	Custom	6	100%	1 acre	7.00	7.00	
Glyphosate 5# 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	0.35	0.60	
Aerial Spray	Custom	7	10%	1 acre	10.00	1.00	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	0.98	0.50	
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%	195 bushel	0.11	21.45	
Dry 2 Points Removed	Custom	13	10%	195 bushel	0.08	1.56	
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00	
	Crop Insurance				15.00	15.00	
<b>Total Materials &amp; Services</b>						362.26	

<b>Total listed costs for Field Operations and Materials and Services</b>		557.01
Interest on Operations Capital \$ 494.73	cash expense @ 5.50% for 6.0 mo.	13.61
<b>Total Operating and Use Related Ownership Costs</b>		570.62
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <sup>^</sup>	Pivot (Panhandle) \$ 2,565 per acre @ 3.00%	76.95
Real Estate Taxes	\$ 2,565 per acre @ 1.35%	34.63
<b>Total Cost per Acre Including Overhead</b>		702.20
<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	2.89
<b>Cost of production per bushel</b>		3.60

**2020 Budget 38-Corn, Bt, ECB, RR2, LL, & RIB, Panhandle, Conventional Tillage, after Beans, 205 bushel Yield  
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
2 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
3 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
4 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
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	4.22	9.31	1.94	9.95	4.63	34.28	
10 Cart	205	bu	3.66	1.04	1.26	1.88	3.94	1.11	12.89	
11 Truck	Custom									
12 Dry Grain	Custom									
<b>Total for Field Operations</b>			31.22	45.50	17.10	32.58	29.07	26.84	182.31	

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	13.75	28.88		
10-34-0	Fertilizer	3	100%	8 gallon	2.45	19.60		
Corn Bt, ECB, RR2, LL, & RIB	Seed	3	100%	30.7 k seed	3.13	95.94		
32-0-0 (Applied by R2)	Fertilizer	8	100%	160 lbs N	0.40	64.00		
Spray	Custom	5	100%	1 acre	7.00	7.00		
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32 ounce	0.12	3.75		
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	0.98	0.50		
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%	205 bushel	0.11	22.55		
Dry 2 Points Removed	Custom	12	10%	205 bushel	0.08	1.64		
Scouting Irrigated Corn	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				16.00	16.00		
<b>Total Materials &amp; Services</b>							352.69	

<b>Total listed costs for Field Operations and Materials and Services</b>		535.00
Interest on Operations Capital \$ 479.09	cash expense @ 5.50% for 6.0 mo.	13.17
<b>Total Operating and Use Related Ownership Costs</b>		548.17
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity <sup>^</sup>	Pivot (Panhandle) \$ 2,565 per acre @ 3.00%	76.95
Real Estate Taxes	\$ 2,565 per acre @ 1.35%	34.63
<b>Total Cost per Acre Including Overhead</b>		679.75
<b>Cash Cost per bushel</b>	<sup>^</sup> Ownership and RE Opportunity not included in cash costs.	2.67
<b>Cost of production per bushel</b>		3.32

**2020 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 @ \$2.27 and Lube	Repairs		Ownership <sup>^</sup>		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	1.98	0.60	1.36	5.40	1.22	13.08	
2 Field Cultivation	1		1.83	1.43	0.63	1.43	1.97	1.62	8.91	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Plant	1		3.00	0.71	0.95	2.91	2.96	4.05	14.58	
5 Row Crop Cultivation	1		2.50	0.83	0.86	0.44	2.69	1.52	8.84	
6 Row Crop Cultivation	0.25		0.63	0.21	0.22	0.11	0.67	0.38	2.22	
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	4.22	9.31	1.94	9.95	4.63	34.28	
12 Cart	240	bu	4.29	1.22	1.48	2.20	4.61	1.29	15.09	
13 Truck	Custom									
14 Dry Grain	Custom									
<b>Total for Field Operations</b>			35.00	47.87	18.14	34.37	35.81	28.62	199.81	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	13.75	28.88
Corn SmartStax RIB Complete	Seed	4	100%	33.3 k seed	3.63	120.71
10-34-0	Fertilizer	4	100%	6 gallon	2.45	14.70
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	0.40	86.00
Spray	Custom	7	10%	1 acre	7.00	0.70
Brigade 2EC	Insecticide	7	10%	5.12 ounce	0.98	0.50
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	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
<b>Total Materials &amp; Services</b>					31,200 seeds per acre, 80,000 per bag, 5% Refuge	362.54

<b>Total listed costs for Field Operations and Materials and Services</b>					562.35
Interest on Operations Capital \$ 497.92 cash expense @ 5.50% for 6.0 mo.					13.69
<b>Total Operating and Use Related Ownership Costs</b>					576.04
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)					20.00
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)					20.00
Real Estate Opportunity <sup>^</sup>	Pivot (State)	\$ 5,970	per acre @	3.00%	179.10
Real Estate Taxes		\$ 5,970	per acre @	1.35%	80.60
<b>Total Cost per Acre Including Overhead</b>					855.74
<b>Cash Cost per bushel</b>					2.55
<b>Cost of production per bushel</b>					3.57

<sup>^</sup>Ownership and RE Opportunity not included in cash costs.

**2020 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 @ \$2.27 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Spread Manure	Custom									
3 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
4 Spray Herbicide	Custom									
5 Pivot D 125' Lift	12	ai	10.42	58.13	4.12	20.75	7.81	11.39	112.62	
6 Aerial Spray	Custom									
7 Chop Silage	Custom									
<b>Total for Field Operations</b>			14.37	59.22	5.36	24.61	11.67	17.00	132.23	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	1	100%	1 pint	2.00	2.00	
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	13.75	19.25	
Corn	3	100%	32.2 k seed	2.75	88.55	
* Capture LFR	3	100%	6.6 ounce	2.66	17.53	
Spray	4	50%	1 acre	7.00	3.50	
Armezon Pro	4	50%	14 ounce	1.33	9.30	
NIS	4	50%	6 ounce	0.17	0.52	
UAN	4	50%	4 pint	0.19	0.38	
* Aerial Spray	6	15%	1 acre	10.00	1.50	
* Brigade 2EC	6	10%	2.5 ounce	0.98	0.24	
* Mustang Maxx	6	5%	3 ounce	1.41	0.21	
Chop, Haul, Pack	7	100%	28 ton	10.75	301.00	
Scouting Irrigated Corn		100%	1 acre	12.00	12.00	
Crop Insurance				9.00	9.00	
<b>Total Materials &amp; Services</b>					604.98	

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

<b>Total listed costs for Field Operations and Materials and Services</b>		737.21
Interest on Operations Capital \$ 708.54 cash expense @ 5.50% for 6.0 mo.		19.48
<b>Total Operating and Use Related Ownership Costs</b>		756.69
<b>Overhead</b> (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity^ Pivot (State)	\$ 5,970 per acre @ 3.00%	179.10
Real Estate Taxes	\$ 5,970 per acre @ 1.35%	80.60
<b>Total Cost per Acre Including Overhead</b>		1,036.39

<b>Cash Cost per ton</b>	<i>^Ownership and RE Opportunity not included in cash costs.</i>	29.59
<b>Cost of production per ton</b>		37.01