

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 57-Soybeans, Roundup Ready 2 Yield®, Conventional Tillage, after Corn, 45 bushel Yield Dryland

	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	Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
6	Aerial Spray	Custom									
7	Combine Dryland SB	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
8	Truck	Custom									
Total for Field Operations				13.18	8.46	11.41	8.20	21.37	12.72	75.34	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Zidua Pro
RR2 Soybeans	Seed	4	100%	1 bag	58.00	58.00		
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	5	75%	6 ounce	0.90	4.04		
FlexStar GT	Herbicide	5	100%	3 pints	5.00	15.00		
* 21-0-0-24S	Additive	5	100%	1.7 pound	0.35	0.60		
* Aerial Spray	Custom	6	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	6	20%	1.6 ounce	2.97	0.95		
Haul Grain Bushels	Custom	8	100%	45 bushel	0.11	4.95		
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00		
	Crop Insurance				25.00	25.00		
Total Materials & Services							141.80	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 183.05	cash expense @ 5.50% for 6.0 mo.	217.14
		5.03
Total Operating and Use Related Ownership Costs		222.17

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

Real Estate Opportunity^	Dryland (State)	\$ 3,040	per acre @	3.00%	91.20
Real Estate Taxes		\$ 3,040	per acre @	1.35%	41.04
Total Cost per Acre Including Overhead					374.41

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	5.54
Cost of production per bushel		8.32

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 58-Soybeans, Roundup Ready 2 Yield®, No Till, after Corn, 50 bushel Yield
Dryland**

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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
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 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
5 Aerial Spray	Custom									
6 Combine Dryland SB	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
7 Truck	Custom									
Total for Field Operations			9.78	5.43	10.47	6.36	14.90	11.44	58.38	

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	100%	1 pint	2.00	2.00		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
Authority MTZ	Herbicide	2	100%	16 ounce	2.50	40.00		
2,4-D Ester LV4	Herbicide	2	100%	1 pint	2.00	2.00		
Glyphosate 5# w/Surfactant	Herbicide	2	100%	32 ounce	0.12	3.75		
21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60		
RR2 Soybeans	Seed	3	100%	1 bag	58.00	58.00		
Glyphosate 5# w/Surfactant	Herbicide	4	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	4	75%	6 ounce	0.90	4.04		
Warrant Ultra	Herbicide	4	100%	3 pint	7.50	22.50		
* 21-0-0-24S	Additive	4	100%	1.7 pound	0.35	0.60		
* Aerial Spray	Custom	5	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	5	20%	1.6 ounce	2.97	0.95		
Haul Grain Bushels	Custom	6	100%	50 bushel	0.11	0.00		
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00		
	Crop Insurance				25.00	25.00		
Total Materials & Services							176.54	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials & Services 234.92

Interest on Operations Capital \$ 208.58 cash expense @ 5.50% for 6.0 mo. 5.74

Total Operating and Use Related Ownership Costs 240.66

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

Real Estate Opportunity[^] Dryland (State) \$ 3,040 per acre @ 3.00% 91.20

Real Estate Taxes \$ 3,040 per acre @ 1.35% 41.04

Total Cost per Acre Including Overhead 392.90

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 5.51

Cost of production per bushel 7.86

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 59-Soybeans, Roundup Ready 2 Yield®, No Till, Continuous, 45 bushel Yield
Dryland**

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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Plant No-Till	1		3.00	0.88	0.95	3.26	2.96	4.53	15.58	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Combine Dryland SB	1		3.93	3.92	8.65	1.30	9.24	3.67	30.71	
6 Truck	Custom									
Total for Field Operations			8.83	5.22	10.18	5.76	14.00	10.36	54.35	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Fierce
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.00	2.00		
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.12	3.75		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
RR2 Soybeans	Seed	2	100%	1 bag	58.00	58.00		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.12	3.75		
Extreme	Herbicide	3	100%	3 pint	3.50	10.50		
* 21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60		
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95		
Haul Grain Bushels	Custom	6	100%	45 bushel	0.11	4.95		
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00		
	Crop Insurance				25.00	25.00		
Total Materials & Services							147.54	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		201.89
Interest on Operations Capital \$ 177.53 cash expense @ 5.50% for 6.0 mo.		4.88
Total Operating and Use Related Ownership Costs		206.77

Overhead (accounting, liability insurance, vehicle cost, office expense)		20.00
Real Estate Opportunity [^] Dryland (State)	\$ 3,040 per acre @ 3.00%	91.20
Real Estate Taxes	\$ 3,040 per acre @ 1.35%	41.04
Total Cost per Acre Including Overhead		359.01

Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	5.41
Cost of production per bushel		7.98

~Cost to replace P₂O₅ - 0.8 lbs/bushel of yield produced

**2020 Budget 60-Soybeans, Roundup Ready 2 Yield®, Conventional Tillage, after Corn, 67 bushel Yield
Pivot Irrigated, 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 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 Pivot D 125' Lift	9	ai	7.81	43.60	3.09	15.56	5.86	8.54	84.46	
6 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
10 Truck	Custom									
Total for Field Operations			21.64	52.71	15.94	24.31	28.77	21.26	164.63	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Authority Supreme
RR2 Soybeans	Seed	4	100%	1 bag	58.00	58.00		
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	6	75%	6 ounce	0.90	4.04		
Raptor	Herbicide	6	100%	4 ounce	4.77	19.06		
* Ultra Blazer	Herbicide	6	100%	13 ounce	0.47	6.09		
* 21-0-0-24S	Additive	6	100%	1.7 pound	0.35	0.60		
Aerial Spray	Custom	7	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	7	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	8	20%	1 acre	10.00	2.00		
Priaxor	Fungicide	8	20%	4 ounce	5.47	4.38		
Haul Grain Bushels	Custom	10	100%	67 bushel	0.11	7.37		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							152.08	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 266.68 cash expense @ 5.50% for 6.0 mo. 316.71

Total Operating and Use Related Ownership Costs 7.33

Overhead (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

Total Cost per Acre Including Overhead 603.74

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 5.59

Cost of production per bushel 9.01

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 61-Soybeans, Roundup Ready 2 Yield®, Ridge Till, after Corn, 70 bushel Yield
Gravity Irrigated, fed by a well, 1,000 GPM 10 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 Spring Burndown Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Ridge Plant and Band Herbicide	1		3.00	0.89	0.95	5.63	2.96	3.49	16.92	
3 Ridge Cultivation	1		2.50	1.39	0.95	0.89	2.96	1.01	9.70	
4 Ridge Cultivate/Ditch	1		2.29	1.16	0.79	0.37	2.47	1.52	8.60	
5 Pipe D 125' Lift	12	ai	27.78	42.19	3.29	2.28	7.38	3.71	86.63	
6 Spray Herbicide	0.5		0.47	0.10	0.14	0.30	0.45	0.54	2.00	
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
10 Truck	Custom									
Total for Field Operations			41.57	50.51	16.50	11.92	27.90	15.02	163.42	

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	100%	1 pint	2.00	2.00		
21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60		
Zidua Pro	Herbicide	2	33%	5.25 ounce	3.91	6.77		
RR2 Soybeans	Seed	2	100%	1 bag	58.00	58.00		
Glyphosate 5# w/Surfactant	Herbicide	6	50%	32 ounce	0.12	1.88		
21-0-0-24S	Additive	6	50%	1.7 pound	0.35	0.30		
Select Max	Herbicide	6	75%	6 ounce	0.90	4.04		
FlexStar GT	Herbicide	6	100%	3 pints	5.00	15.00		
* Crop Oil Concentrate	Additive	6	40%	2 pint	1.25	1.00		
* Aerial Spray	Custom	7	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	7	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	8	20%	1 acre	10.00	2.00		
Stratego YLD	Fungicide	8	20%	4 ounce	4.53	3.63		
Haul Grain Bushels	Custom	10	100%	70 bushel	0.11	7.70		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							128.62	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 249.12 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity[^] Gravity (State) \$ 5,690 per acre @ 3.00%
Real Estate Taxes \$ 5,690 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

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 62-Soybeans, Roundup Ready 2 Xtend® Treated, No Till, Narrow Row after Corn, 75 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Plant Narrow Row	1		3.00	0.67	0.95	2.91	2.96	4.05	14.54	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
7 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
8 Truck	Custom									
Total for Field Operations			14.69	34.72	13.68	16.34	19.45	15.58	114.46	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
Engenia	Herbicide	1	100%	12.8 ounce	0.94	12.00		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
Authority MTZ	Herbicide	1	100%	16 ounce	2.50	40.00		
RR2 Soybeans Xtend Treated	Seed	2	100%	1 bag	64.00	64.00		
Engenia	Herbicide	3	100%	12.8 ounce	0.94	12.00		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	3	75%	6 ounce	0.90	4.04		
Approved adjuvant	Additive	3	100%	1 acre	3.00	3.00		
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	5	20%	1 acre	10.00	2.00		
Quilt Xcel	Fungicide	5	20%	10.5 ounce	1.72	3.61		
Haul Grain Bushels	Custom	8	100%	75 bushel	0.11	8.25		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							178.95	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 258.38 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

Cost of production per bushel

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

293.41

7.11

300.52

20.00

179.10

80.60

580.22

4.88

7.74

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 63-Soybeans, Roundup Ready 2 Yield® Treated, No Till, Narrow Row, Continuous, 64 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 Plant Narrow Row	1		3.00	0.67	0.95	2.91	2.96	4.05	14.54	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
7 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
8 Truck	Custom									
Total for Field Operations			14.69	34.72	13.68	16.34	19.45	15.58	114.46	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	Herbicide	1	100%	1 pint	2.00	2.00	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
Fierce	Herbicide	1	100%	3.5 ounce	8.13	28.44	
RR2 Soybeans Treated	Seed	2	100%	1 bag	62.00	62.00	
Zidua SC	Herbicide	3	100%	2.5 ounce	5.86	14.65	
21-0-0-24S	Additive	3	50%	1.7 pound	0.35	0.30	
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00	
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
Aerial Spray	Custom	5	20%	1 acre	10.00	2.00	
Priaxor	Fungicide	5	20%	4 ounce	5.47	4.38	
Haul Grain Bushels	Custom	8	100%	64 bushel	0.11	7.04	
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00	
	Crop Insurance				7.00	7.00	
Total Materials & Services						147.11	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		261.57
Interest on Operations Capital \$ 226.54 cash expense @ 5.50% for 6.0 mo.		6.23
Total Operating and Use Related Ownership Costs		267.80

Overhead (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
Total Cost per Acre Including Overhead		547.50

Cash Cost per bushel	[^] Ownership and RE Opportunity not included in cash costs.	5.21
Cost of production per bushel		8.55

~Cost to replace P₂O₅ - 0.8 lbs/bushel of yield produced

**2020 Budget 64-Soybeans, LibertyLink® Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
7 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
8 Truck	Custom									
Total for Field Operations			13.98	35.37	13.52	15.00	18.96	14.74	111.57	

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	100%	1 pint	2.00	2.00		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
Zidua Pro	Herbicide	1	100%	5.25 ounce	3.91	20.51		
Soybeans - LiberyLink Treated	Seed	2	100%	1 k seed	62.00	62.00		
Liberty	Herbicide	3	100%	36 ounce	0.63	22.50		
AMS	Additive	3	100%	48 ounce	0.02	1.05		
Select Max	Herbicide	3	75%	6 ounce	0.90	4.04		
Outlook	Herbicide	3	100%	14 ounce	1.25	17.50		
* Approved adjuvant	Additive	3	100%	1 acre	3.00	3.00		
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	5	20%	1 acre	10.00	2.00		
Stratego YLD	Fungicide	5	20%	4 ounce	4.53	3.63		
Haul Grain Bushels	Custom	8	100%	78 bushel	0.11	8.58		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							173.11	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services 284.68

Interest on Operations Capital \$ 250.98 cash expense @ 5.50% for 6.0 mo. 6.90

Total Operating and Use Related Ownership Costs 291.58

Overhead (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

Total Cost per Acre Including Overhead 571.28

Cash Cost per bushel ^{^Ownership and RE Opportunity not included in cash costs.} 4.60

Cost of production per bushel 7.32

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 65-Soybeans, Enlist E3™ Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
7 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
8 Truck	Custom									
Total for Field Operations			13.98	35.37	13.52	15.00	18.96	14.74	111.57	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
Enlist One	Herbicide	1	100%	1.5 pint	5.00	7.50		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
Authority Supreme	Herbicide	1	100%	6 ounce	4.14	24.84		
Soybeans Enlist E3 Treated	Seed	2	100%	1 k seed	62.00	62.00		
Enlist DUO	Herbicide	3	100%	76 ounce	0.23	17.81		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	3	75%	6 ounce	0.90	4.04		
Approved adjuvant	Additive	3	100%	1 acre	3.00	3.00		
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	5	20%	1 acre	10.00	2.00		
Stratego YLD	Fungicide	5	20%	4 ounce	4.53	3.63		
Haul Grain Bushels	Custom	8	100%	78 bushel	0.11	8.58		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							163.45	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 241.32 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

~See benefits of soybeans in a corn/soybean rotation

**2020 Budget 66-Soybeans, Roundup Ready 2 Xtend® Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 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	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
2 No-Till Drill	1		2.29	1.32	0.79	1.57	2.47	3.21	11.65	
3 Spray Herbicide	1		0.95	0.21	0.29	0.60	0.90	1.08	4.03	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	29.06	2.06	10.38	3.91	5.70	56.32	
7 Combine Irr SB	1		4.58	4.57	10.09	1.85	10.78	3.67	35.54	
8 Truck	Custom									
Total for Field Operations			13.98	35.37	13.52	15.00	18.96	14.74	111.57	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
FeXapan	Herbicide	1	100%	22 ounce	0.49	10.83		
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60		
Zidua Pro	Herbicide	1	100%	5.25 ounce	3.91	20.51		
RR2 Soybeans Xtend Treated	Seed	2	100%	1 bag	64.00	64.00		
Enlist DUO	Herbicide	3	100%	76 ounce	0.23	17.81		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.12	3.75		
Select Max	Herbicide	3	75%	6 ounce	0.90	4.04		
Approved adjuvant	Additive	3	100%	1 acre	3.00	3.00		
* Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95		
Aerial Spray	Custom	5	20%	1 acre	10.00	2.00		
Quilt Xcel	Fungicide	5	20%	10.5 ounce	1.72	3.61		
Haul Grain Bushels	Custom	8	100%	78 bushel	0.11	8.58		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	12.00	12.00		
	Crop Insurance				7.00	7.00		
Total Materials & Services							164.43	

* Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 242.30 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

Cost of production per bushel

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

~See benefits of soybeans in a corn/soybean rotation