

2016 Nebraska Crop Budgets

Developed and Edited by

Robert N. Klein, Western Nebraska Extension Crops Specialist

Roger K. Wilson, Farm Management/Enterprise Budget Analyst

Jessica T. Groskopf, Extension Educator – Agricultural Economics

Jim A. Jansen, Extension Educator – Agricultural Economics

Note: These budget projections were created using assumptions thought to be valid for many Nebraska producers; however, each farming operation is unique. These budgets are being released in both Adobe PDF and Excel® worksheet formats. The worksheet format allows producers to modify them to match their specific situation. The danger of releasing a tool that can subsequently be modified is that there is no way to verify whether alterations were made or unrealistic data was entered. Users of this tool are responsible for independently verifying all results prior to relying on them. Original files for these budgets are available at http://extension.unl.edu/publications and on http://cropwatch.unl.edu/economics/budgets.

Additional Resource Persons

The following individuals contributed to the budgets in their specialty areas: Robert J. Wright, Extension Entomologist Tamra A. Jackson-Ziems, Extension Plant Pathologist — Corn and Sorghum Loren J. Giesler, Extension Plant Pathologist — Soybean and Turf Stephen N. Wegulo, Extension Plant Pathologist — Wheat and Ornamental Paul J. Jasa, Extension Biological Systems Engineer James A. Schild, Extension Educator in Scotts Bluff and Morrill Counties

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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

2016 Budget 50-Soybeans, Tilled Seed Bed, Roundup Ready® after Corn (40 bu Actual Yield) Dryland

					Rep	airs	Owne	rship		
		Times		Fuel @ \$2.25						Your
	Field Operations	or Qty Uni	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disk	1	2.02	1.97	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1	1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Plant	1	2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
6	Aerial Spray	Custom								
7	Combine Dryland SB	1	3.38	4.18	7.87	1.10	6.45	2.81	25.79	
8	Truck	Custom								
	Total for	· Field Operations	11.27	8.81	10.21	7.44	17.41	11.24	66.38	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Valor XLT	Herbicide	3	100%	3 ounce	5.75	17.25	Lotinute
RR Soybeans	Seed	4	100%	1 bag	52.00	52.00	
Glyphosate w/Surf	Herbicide	5	100%	32 ounce	0.13	4.00	
Select Max	Herbicide	5	100%	6 ounce	0.15	5.16	
21-0-0-24S	Additive	5	100%	1.7 pound	0.35	0.60	
* Aerial Spray	Custom	6	20%	1.7 pound 1 acre	9.50	1.90	
* Warrior II/Zeon	Insecticide		20%	1.6 ounce	9.30 2.97	0.95	
Haul Grain Bushels	Custom	6 8	20% 100%	40 bushel	0.11	0.93 4.40	
		0	100%		7.00	4.40 7.00	
Scouting Dryland Soybeans	Scouting		100%	1 acre	12.68		
Soybeans Dryland	Crop Insurance				12.08	12.68	
Total Materials &	Services					105.94	
* Insecticide for Aphids and Army Cutworms							
Total listed costs for Field Operation	ons and Materials and Servi	ces				172.32	
Interest on Op	erations Capital \$ 143.67	cash expe	ense @	5.50% for 6.0 mo.	_	3.95	
Total Operating and Use Related O	wnership Costs				-	176.27	
Overhead (accounting, liability ins	urance, vehicle cost, office ex	(pense)				20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,390	per acr	e @ 4.00%		135.60	
Real Estate Taxes		\$ 3,390	per acr	re @ 1.00%	_	33.90	
Total Cost per Acre Including Over	rhead				=	365.77	
Cost per bu						9.14	
Cash Cost per bu						4.54	

2016 Budget 51-Soybeans, No-Till, Roundup Ready® after Corn (45 bu Actual Yield) Dryland

		Times	Labor @	Fuel @ \$2.25	Rep	airs	Owne	rship		Your
	Field Operations		it \$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
3	Plant No-Till	1	2.40	0.87	0.83	4.37	2.76	6.70	17.93	
4	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
5	Aerial Spray	Custom								
6	Combine Dryland SB	1	3.38	4.18	7.87	1.10	6.45	2.81	25.79	
7	Truck	Custom								
	Total for Field O	perations	8.78	5.86	9.69	7.39	12.54	12.15	56.41	

			Percent				
		Operation	Acres	Application	Applied		Your
Materials & Services		Index	Applied	Rate Unit	Price	Total	Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
Valor XLT	Herbicide	1	100%	3 ounce	5.75	17.25	
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
RR Soybeans	Seed	2	100%	1 bag	52.00	52.00	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.00	
Select Max	Herbicide	3	100%	6 ounce	0.86	5.16	
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60	
Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
Haul Grain Bushels	Custom	6	100%	45 bushel	0.11	0.00	
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00	
Soybeans Dryland	Crop Insurance				12.68	12.68	
Total Materials	& Services					115.86	
* Insecticide for Aphids and Army Cutworn							
Total listed costs for Field Opera	tions and Materials & Serv	ices				172.27	
Interest on 0	Operations Capital \$ 147.58	8 cash expe	ense @	5.50% for 6.0 mo.		4.06	
Total Operating and Use Related	l Ownership Costs				-	176.33	_
Overhead (accounting, liability i	nsurance, vehicle cost, office	expense)				20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,390	per acre	@ 4.00%		135.60	-
Real Estate Taxes	(~	\$ 3,390	per acre			33.90	
Total Cost per Acre Including O	verhead		1		=	365.83	-
Cost per bu						8.13	
Cash Cost per bu						4.12	

Cash Cost per bu

2016 Budget 52-Soybeans, No-Till, Roundup Ready®, Continuous (40 bu Actual Yield) Dryland

					Rep	airs	Owne	rship		
		Times		Fuel @ \$2.25	-			-		Your
	Field Operations	or Qty	Unit \$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	Plant No-Till	1	2.40	0.87	0.83	4.37	2.76	6.70	17.93	
3	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Aerial Spray	Custom								
5	Combine Dryland SB	1	3.38	4.18	7.87	1.10	6.45	2.81	25.79	
6	Truck	Custom								
	Total for Field O	perations	7.78	5.59	9.36	6.75	11.43	11.27	52.18	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Valor XLT	Herbicide	1	100%	3 ounce	5.75	17.25	
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
RR Soybeans	Seed	2	100%	1 bag	52.00	52.00	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.00	
21-0-0-248	Additive	3	100%	1.7 pound	0.35	0.60	
* Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
Haul Grain Bushels	Custom	6	100%	40 bushel	0.11	4.40	
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00	
Soybeans Dryland	Crop Insurance				12.68	12.68	
Total Materials	& Services					107.94	
* Insecticide for Aphids and Army Cutworms							
Total listed costs for Field Operat	ions and Materials and Ser	vices				160.12	
Interest on C	perations Capital \$ 137.42	cash expe	ense @	5.50% for 6.0 mo.		3.78	
Total Operating and Use Related	Ownership Costs				-	163.90	
Overhead (accounting, liability in	surance, vehicle cost, office of	expense)				20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,390	per acre	@ 4.00%		135.60	
Real Estate Taxes	• • •	\$ 3,390	per acre	@ 1.00%		33.90	
Total Cost per Acre Including Ov	erhead				=	353.40	
Cost per bu						8.83	
Cash Cost per bu						4.38	

2016 Budget 53-Soybeans, Tilled Seedbed, Roundup Ready® after Corn (62 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 acre/inches

		Times		Labor @	Fuel @ \$2.25	Rep	airs	Owne	rship		Your
	Field Operations		Unit	\$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
2	Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Plant	1		2.40	0.71	0.83	2.54	2.76	3.89	13.13	
5	Pivot D 125' Lift	9	ai	6.25	43.21	3.09	14.53	4.47	8.69	80.24	
6	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	Combine Irr SB	1		3.67	4.53	8.53	1.32	6.99	2.81	27.85	
10	Truck	Custom									
		Total for Field Operations		17.81	52.37	13.96	22.19	22.42	19.93	148.68	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Valor XLT	Herbicide	3	100%	3 ounce	5.75	17.25	
RR Soybeans	Seed	4	100%	1.1 bag	52.00	57.20	
Glyphosate w/Surf	Herbicide	6	100%	32 ounce	0.13	4.00	
Select Max	Herbicide	6	100%	6 ounce	0.86	5.16	
21-0-0-24S	Additive	6	100%	1.7 pound	0.35	0.60	
* Aerial Spray	Custom	7	20%	1 acre	9.50	1.90	
* Warrior II/Zeon	Insecticide	7	20%	1.6 ounce	2.97	0.95	
Aerial Spray	Custom	8	50%	1 acre	9.50	4.75	
Priaxor	Fungicide	8	50%	4 ounce	5.23	10.47	
Haul Grain Bushels	Custom	10	100%	62 bushel	0.11	6.82	
Scouting Irrigated Soybeans	Scouting		100%	1 acre	10.00	10.00	
Soybeans Irrigated	Crop Insurance				4.60	4.60	
Total Materials &	& Services					123.70	
* Insecticide for Aphids and Army Cutworms							
Total listed costs for Field Operat	ions and Materials and Serv	vices				272.38	
Interest on O	perations Capital \$ 230.03	cash expe	ense @	5.50% for 6.0 mo.	_	6.33	
Total Operating and Use Related	Ownership Costs				=	278.71	
Overhead (accounting, liability in	surance, vehicle cost, office e	expense)				20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre	@ 4.00%		292.60	
Real Estate Taxes	```´	\$ 7,315	per acre	@ 1.00%		73.15	
Total Cost per Acre Including Ov	erhead				=	664.46	
Cost per bu						10.72	
Cash Cost per bu						4.99	

2016 Budget 54-Soybeans, Ridge Till, Roundup Ready® after Corn (62 bu Actual Yield) Gravity Irrigated, 1,000 GPM 10 PSI, 12 acre/inches

		Times		Labor @	Fuel @ \$2.25	Rep	airs	Owne	rship		Your
	Field Operations	or Qty	Unit	\$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	Ridge Plant and Band Herbicide	1		2.40	0.88	0.83	4.23	2.76	2.84	13.94	
3	Ridge Cultivation	1		2.00	1.38	0.83	0.89	2.76	1.09	8.95	
4	Ridge Cultivate/Ditch	1		1.83	1.15	0.69	0.37	2.30	1.64	7.98	
5	Pipe D 125' Lift	12	ai	22.22	41.81	3.29	2.28	5.60	4.05	79.25	
6	Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	Combine Irr SB	1		3.67	4.53	8.53	1.32	6.99	2.81	27.85	
10	Truck	Custom									
	Total for Field O	perations		33.62	50.16	14.67	10.05	22.07	13.75	144.32	

Glyphosate w/Surf Herbicide 1 100% 32 ounce 0.13 4.00 2.4-D Ester 4# Herbicide 1 100% 1 pint 2.56 2.56 21-0-24S Additive 2 33% 3 ounce 5.75 5.69 RR Soybeans Seed 2 100% 1.1 bag 52.00 57.20 Glyphosate w/Surf Herbicide 6 50% 32 ounce 0.13 2.00 21-0-24S Additive 6 50% 32 ounce 0.13 2.00 21-0-24S Additive 6 50% 1.7 pound 0.35 0.30 21-0-24S Additive 6 40% 6 ounce 0.86 2.06 * Crop Oil Concentrate Additive 6 40% 6 ounce 2.97 0.95 Aerial Spray Custom 7 20% 1.6 ounce 2.97 0.95 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 <	Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
21-0-0-24S Additive 2 100% 1.7 pound 0.35 0.60 Valor XLT Herbicide 2 33% 3 ounce 5.75 5.69 RR Soybeans Seed 2 100% 1.1 bag 52.00 57.20 Glyphosate w/Surf Herbicide 6 50% 32 ounce 0.13 2.00 21-0-0-24S Additive 6 50% 1.7 pound 0.35 0.30 * Select Max Herbicide 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.75 Aerial Spray Custom 8 50% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63	Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
Valor XLT Herbicide 2 33% 3 ounce 5.75 5.69 RR Soybeans Seed 2 100% 1.1 bag 52.00 57.20 Glyphosate w/Surf Herbicide 6 50% 32 ounce 0.13 2.00 21-0-24S Additive 6 50% 1.7 pound 0.35 0.30 * Select Max Herbicide 6 40% 6 ounce 0.86 2.06 * Cop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior IlZeon Insecticide 7 20% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 6 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 62.020	2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
RR Soybeans Seed 2 100% 1.1 bag 52.00 57.20 Glyphosate w/Surf Herbicide 6 50% 32 ounce 0.13 2.00 * Select Max Herbicide 6 40% 6 ounce 0.86 2.06 * Select Max Herbicide 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior Il/Zoon Insecticide 7 20% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 1 acre 9.50 4.75 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 4.60 4.60 * Insecticide for Aphids and Army Cutworms Total Materials and Services 115.88 5.00% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 260.20 6.17<	21-0-0-24S	Additive	2	100%	1.7 pound	0.35	0.60	
Glyphosate w/Surf Herbicide 6 50% 32 ounce 0.13 2.00 21-0-24S Additive 6 50% 1.7 pound 0.35 0.30 * Select Max Herbicide 6 40% 6 ounce 0.86 2.06 * Crop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior II/Zeon Insecticide 7 20% 1.6 ounce 2.97 0.95 Aerial Spray Custom 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Crop Insurance 4.60 4.60 4.60 4.60 Total Materials & Services Interest on Operations and Materials and Services 260.20 6.17 Interest on Operations Capital \$ 224.38 cash expense 5.50% for 6.0 mo. 6.17	Valor XLT	Herbicide	2	33%	3 ounce	5.75	5.69	
21-0-24S Additive 6 50% 1.7 pound 0.35 0.30 * Select Max Herbicide 6 40% 6 ounce 0.86 2.06 * Crop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior II/Zeon Insecticide 7 20% 1.6 ounce 2.97 0.95 Aerial Spray Custom 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 4.60 Total Materials & Services * Insecticide for Aphids and Army Cutworms 260.20 6.17 6.17 Total Operating and Use Related Ownership Costs 266.37 266.37 266.37 Real Estate Opportunity Gravity (State) \$ 6,900 per	RR Soybeans	Seed	2	100%	1.1 bag	52.00	57.20	
* Select Max Herbicide 6 40% 6 6 0.86 2.06 * Crop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 * Crop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 4.75 Aerial Spray Custom 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 Total Materials & Services * Insecticide for Aphids and Army Cutworns 115.88 115.88 * Insecticide for Aphids and Army Cutworns 260.20 6.17 Total Operating and Use Related Ownership Costs 260.20 6.17 Overhead (accounting, liability insurance, vehicle cost, office expense) 8 6.900	Glyphosate w/Surf	Herbicide	6	50%	32 ounce	0.13	2.00	
* Crop Oil Concentrate Additive 6 40% 2 pint 1.50 1.20 Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior II/Zeon Insecticide 7 20% 1.6 ounce 2.97 0.95 Aerial Spray Custom 8 50% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 Total Materials & Services * Insecticide for Aphids and Army Cutworms 115.88 260.20 115.88 * Insecticide for Aphids and Army Cutworms 260.20 6.17 266.37 Total Operating and Use Related Ownership Costs 20.00 276.00 6.17 Overhead (accounting, liability insurance, vehicle cost, office expense) \$ 6,900 per acre @ 4.00% 2	21-0-0-24S	Additive	6	50%	1.7 pound	0.35	0.30	
Aerial Spray Custom 7 20% 1 acre 9.50 1.90 Warrior II/Zeon Insecticide 7 20% 1.6 ounce 2.97 0.95 Aerial Spray Custom 8 50% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 Total Materials & Services * Insecticide for Aphids and Army Cutworms Total listed costs for Field Operations and Materials and Services 260.20 Interest on Operations Capital \$ 224.38 cash expense 260.20 Interest on Operations Capital \$ 224.38 cash expense 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 691.00 691.37 631.37	* Select Max	Herbicide	6	40%	6 ounce	0.86	2.06	
Warrior II/Zeon Insecticide 7 20% 1.6 ounce 2.97 0.95 Aerial Spray Custom 8 50% 1 acre 9.50 4.75 Stratego YLD Fungicide 8 50% 4 ounce 5.63 11.25 Haul Grain Bushels Custom 10 100% 62 bushel 0.11 6.82 Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 Total Materials & Services 115.88 115.88 * Insecticide for Aphids and Army Cutworms 115.88 260.20 Total listed costs for Field Operations and Materials and Services 260.20 6.17 Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 260.37 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00 69.00 631.37 Total Cost per Acre Including Over	* Crop Oil Concentrate	Additive	6	40%	2 pint	1.50	1.20	
Aerial SprayCustom850%1 acre9.504.75Stratego YLDFungicide850%4 ounce5.6311.25Haul Grain BushelsCustom10100%62 bushel0.116.82Scouting Irrigated SoybeansScouting100%1 acre10.0010.00Soybeans IrrigatedCrop Insurance4.604.604.60Total Materials & Services* Insecticide for Aphids and Army CutwormsTotal Operations and Materials and Services* Insecticide for Aphids and Jarmy Cutworms260.20Interest on Operations Capital \$ 224.38cash expense @5.50% for 6.0 mo.Total Operating and Use Related Ownership Costs266.37Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate Taxes\$ 6,900per acre @4.00%State Taxes\$ 6,900per acre @4.00%Cost per bu10.1810.18	Aerial Spray	Custom	7	20%	1 acre	9.50	1.90	
Stratego YLDFungicide850%4 ounce5.6311.25Haul Grain BushelsCustom10100%62 bushel0.116.82Scouting Irrigated SoybeansScouting100%1 acre10.0010.00Soybeans IrrigatedCrop Insurance4.604.604.60Total Materials & Services* Insecticide for Aphids and Army CutwormsTotal listed costs for Field Operations and Materials and Services115.88* Insecticide for Aphids and Jervitor260.20Interest on Operations Capital \$ 224.38cash expense @5.50% for 6.0 mo.Total Operating and Use Related Ownership Costs266.37Overhead(accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (State)\$ 6,900per acre @4.00%Real Estate Taxes\$ 6,900per acre @1.00%69.00Total Cost per Acre Including Overhead10.1810.1810.18	Warrior II/Zeon	Insecticide	7	20%	1.6 ounce	2.97	0.95	
Haul Grain BushelsCustom10100%62 bushel0.116.82Scouting Irrigated SoybeansScouting100%1 acre10.0010.00Soybeans IrrigatedCrop Insurance4.604.604.60Total Materials & ServicesTotal Materials & Services115.88* Insecticide for Aphids and Army CutwormsTotal listed costs for Field Operations and Materials and ServicesInterest on Operations Capital \$ 224.38cash expense @5.50% for 6.0 mo.Cost of Crop Insurance, vehicle cost, office expense)Real Estate OpportunityGravity (State)\$ 6,900per acre @4.00%Real Estate Taxes\$ 6,900per acre @1.00%631.37Total Cost per Acre Including Overhead10.18	Aerial Spray	Custom	8	50%	1 acre	9.50	4.75	
Scouting Irrigated Soybeans Scouting 100% 1 acre 10.00 10.00 Soybeans Irrigated Crop Insurance 4.60 4.60 4.60 Total Materials & Services 115.88 * Insecticide for Aphids and Army Cutworms Total Materials & Services Interest on Operations and Materials and Services 260.20 Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 631.37 631.37 Cost per bu 10.18	Stratego YLD	Fungicide	8	50%	4 ounce	5.63	11.25	
Soybeans Irrigated Crop Insurance 4.60 4.60 Total Materials & Services Insecticide for Aphids and Army Cutworms Total listed costs for Field Operations and Materials and Services Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 266.37 266.37 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 631.37 631.37 Cost per bu 10.18 10.18 10.18	Haul Grain Bushels	Custom	10	100%	62 bushel	0.11	6.82	
Total Materials & Services 115.88 * Insecticide for Aphids and Army Cutworms 260.20 Total listed costs for Field Operations and Materials and Services 260.20 Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 266.37 266.37 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 631.37 631.37 Cost per bu 10.18 10.18 10.18	Scouting Irrigated Soybeans	Scouting		100%	1 acre	10.00	10.00	
* Insecticide for Aphids and Army Cutworms Total listed costs for Field Operations and Materials and Services Interest on Operations Capital \$ 224.38 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 Gravity (State) \$ 6,900 per acre @ 4.00% Real Estate Taxes \$ 6,900 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per bu * Insecticide for Aphids and Army Cutworms 260.20 6.17 266.37 20.00 276.00 631.37 10.18	Soybeans Irrigated	Crop Insurance				4.60	4.60	
Total listed costs for Field Operations and Materials and Services 260.20 Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 266.37 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00 Total Cost per Acre Including Overhead 631.37 10.18	- • • • • • • • • • • • • • • • • • • •						115.88	
Interest on Operations Capital \$ 224.38 cash expense @ 5.50% for 6.0 mo. 6.17 Total Operating and Use Related Ownership Costs 266.37 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% Real Estate Taxes \$ 6,900 per acre @ 1.00% 276.00 Total Cost per Acre Including Overhead 631.37 10.18			rvices				260.20	
Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00 Total Cost per Acre Including Overhead 631.37 Cost per bu 10.18	-			ense @	5.50% for 6.0 mo.			
Real Estate Opportunity Gravity (State) \$ 6,900 per acre @ 4.00% 276.00 Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00 Total Cost per Acre Including Overhead 631.37 631.37 Cost per bu 10.18 10.18	Total Operating and Use Related	Ownership Costs	ľ			=	266.37	
Real Estate Taxes \$ 6,900 per acre @ 1.00% 69.00 Total Cost per Acre Including Overhead 631.37 Cost per bu 10.18	Overhead (accounting, liability in	surance, vehicle cost, office	expense)				20.00	
Total Cost per Acre Including Overhead 631.37 Cost per bu 10.18	Real Estate Opportunity	Gravity (State)	\$ 6,900	per acre	@ 4.00%		276.00	
Cost per bu 10.18	Real Estate Taxes		\$ 6,900	per acre	@ 1.00%	_	69.00	
	Total Cost per Acre Including Ov	erhead				-	631.37	
Cash Cost per bu 4.83	Cost per bu						10.18	
	Cash Cost per bu						4.83	

2016 Budget 55-Soybeans, No-Till 15-inch Row, Roundup Ready® after Corn (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

		Times		Labor @	Fuel @ \$2.25	Rep	airs	Owne	rship		Your
	Field Operations	or Qty	Unit	\$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	Plant Narrow Row	1		2.40	0.67	0.83	2.54	2.76	3.89	13.09	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	Pivot D 125' Lift	6	ai	4.17	28.81	2.06	9.68	2.98	5.79	53.49	
7	Combine Irr SB	1		3.67	4.53	8.53	1.32	6.99	2.81	27.85	
8	Truck	Custom									
	Total for Field O	perations		12.24	34.55	12.08	14.82	14.95	14.25	102.89	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
Valor XLT	Herbicide	1	100%	3 ounce	5.75	17.25	
RR Soybeans	Seed	2	100%	1.1 bag	52.00	57.20	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.00	
Select Max	Herbicide	3	100%	6 ounce	0.86	5.16	
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60	
* Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
Aerial Spray	Custom	5	50%	1 acre	9.50	4.75	
Quilt Xcel	Fungicide	5	50%	10.5 ounce	2.27	11.89	
Haul Grain Bushels	Custom	8	100%	65 bushel	0.11	7.15	
Scouting Irrigated Soybeans	Scouting		100%	1 acre	10.00	10.00	
Soybeans Irrigated	Crop Insurance				4.68	4.68	
Total Materials &	Services					132.69	
* Insecticide for Aphids and Army Cutworms Total listed costs for Field Operatio Interest on Op	ons and Materials and Ser erations Capital \$ 206.38		ense @	5.50% for 6.0 mo.		235.58 5.68	
Total Operating and Use Related O	wnership Costs				=	241.26	
Overhead (accounting, liability ins		· /				20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acr			292.60	
Real Estate Taxes		\$ 7,315	per acr	e @ 1.00%	_	73.15	
Total Cost per Acre Including Over	rhead				-	627.01	
Cost per bu						9.65	
Cash Cost per bu						4.39	

2016 Budget 56-Soybeans, Roundup Ready®, No-Till Narrow Row, Continuous (59 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

		Times		Labor @	Fuel @ \$2.25	Rep	airs	Owne	rship		Your
	Field Operations	or Qty	Unit	\$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	Plant Narrow Row	1		2.40	0.67	0.83	2.54	2.76	3.89	13.09	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	Pivot D 125' Lift	6	ai	4.17	28.81	2.06	9.68	2.98	5.79	53.49	
7	Combine Irr SB	1		3.67	4.53	8.53	1.32	6.99	2.81	27.85	
8	Truck	Custom									
	Total for Field O	perations		12.24	34.55	12.08	14.82	14.95	14.25	102.89	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate		
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00			
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56			
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60			
Valor XLT	Herbicide	1	100%	3 ounce	5.75	17.25			
RR2 Soybeans Treated	Seed	2	100%	1.1 pound	68.00	74.80			
Glyphosate w/Surf	Herbicide	3	50%	32 ounce	0.13	2.00			
21-0-0-24S	Additive	3	50%	1.7 pound	0.35	0.30			
* Aerial Spray	Custom	4	20%	1 acre	9.50	1.90			
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95			
Aerial Spray	Custom	5	50%	1 acre	9.50	4.75			
Priaxor	Fungicide	5	50%	4 ounce	5.23	10.47			
Haul Grain Bushels	Custom	8	100%	59 bushel	0.11	6.49			
Scouting Irrigated Soybeans	Scouting		100%	1 acre	10.00	10.00			
Soybeans Irrigated	Crop Insurance				4.53	4.53	-		
Total Materials &	Services					140.60			
* Insecticide for Aphids and Army Cutworms									
Total listed costs for Field Operation	Total listed costs for Field Operations and Materials and Services								
Interest on Op	erations Capital \$ 214.29	cash expe	ense @	5.50% for 6.0 mo.	_	5.89			
Total Operating and Use Related O	Winership Costs				-	249.38			
Overhead (accounting, liability ins	urance, vehicle cost, office e	expense)				20.00			
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acr	e @ 4.00%		292.60			
Real Estate Taxes		\$ 7,315	per acr			73.15			
Total Cost per Acre Including Over	rhead		•		=	635.13			
Cost per bu						10.76			
Cash Cost per bu						4.97			

2016 Budget 57-Soybeans, No-Till Drilled 7.5-inch Rows, Roundup Ready® after Corn (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 acre/inches

		Times		Labor @	Fuel @ \$2.25	Repairs		Ownership			Your
	Field Operations	or Qty	Unit	\$20.00 /Hr		Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Spring Burndown Herbicide	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
2	No-Till Drill	1		1.83	1.31	0.69	1.57	2.30	3.54	11.24	
3	Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	Pivot D 125' Lift	6	ai	4.17	28.81	2.06	9.68	2.98	5.79	53.49	
7	Combine Irr SB	1		3.67	4.53	8.53	1.32	6.99	2.81	27.85	
8	Truck	Custom									
	Total for Field O	perations		11.67	35.19	11.94	13.85	14.49	13.90	101.04	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.00	
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.56	2.56	
21-0-0-24S	Additive	1	100%	1.7 pound	0.35	0.60	
Valor XLT	Herbicide	1	100%	3 ounce	5.75	17.25	
RR Soybeans	Seed	2	100%	1.1 bag	52.00	57.20	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.00	
Select Max	Herbicide	3	100%	6 ounce	0.86	5.16	
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60	
* Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
Aerial Spray	Custom	5	50%	1 acre	9.50	4.75	
Stratego YLD	Fungicide	5	50%	4 ounce	5.63	11.25	
Haul Grain Bushels	Custom	8	100%	65 bushel	0.11	7.15	
Scouting Irrigated Soybeans	Scouting		100%	1 acre	10.00	10.00	
Soybeans Irrigated	Crop Insurance				4.68	4.68	
Total Materials &	Services					132.05	
* Insecticide for Aphids and Army Cutworms Total listed costs for Field Operatio Interest on Op	ons and Materials and Ser erations Capital \$ 204.70		ense @	5.50% for 6.0 mo.		233.09 5.63	
Total Operating and Use Related O	Weight Weight Weight Costs				=	238.72	
Overhead (accounting, liability ins	urance, vehicle cost, office of	- · ·				20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,315	per acre			292.60	
Real Estate Taxes		\$ 7,315	per acre	e @ 1.00%	_	73.15	
Total Cost per Acre Including Over	rhead				-	624.47	
Cost per bu						9.61	
Cash Cost per bu						4.36	