

2016 Nebraska Crop Budgets

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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

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**2016 Budget 1-Alfalfa, Fall Establishment
Dryland**

Field Operations		Times or Qty	Labor @ Unit \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1	1.57	0.79	0.66	0.00	2.18	0.00	5.20	_____
2	Disk	1	2.02	1.97	0.29	1.24	4.14	1.21	10.87	_____
3	Harrow	1	1.18	0.28	0.45	0.00	1.49	0.00	3.40	_____
4	Harrow	1	1.18	0.28	0.45	0.00	1.49	0.00	3.40	_____
5	Roll	1	2.22	1.57	0.93	0.00	3.07	0.00	7.79	_____
6	Drill	1	1.76	1.03	0.67	2.94	2.21	2.62	11.23	_____
7	Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23	_____
8	Spray	0.2	0.20	0.05	0.07	0.13	0.22	0.18	0.85	_____
Total for Field Operations			11.13	6.24	3.85	4.95	15.91	4.89	46.97	_____

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Alfalfa w/Inoculant	Seed	6	100%	12 pound	6.00	72.00	_____
Pursuit	Herbicide	7	100%	3 ounce	3.83	11.48	_____
Crop Oil Concentrate	Additive	7	100%	1.6 pint	1.50	2.40	_____
UAN	Additive	7	100%	2 pint	0.21	0.41	_____
Lorsban Advanced	Insecticide	8	20%	1 pint	6.88	1.38	_____
Total Materials & Services						115.67	_____

Total listed costs for Field Operations and Materials and Services						162.64	_____
Interest on Operations Capital	\$ 141.84	cash expense @	5.50%	for 6.0 mo.		3.90	_____
Total Operating and Use Related Ownership Costs						166.54	_____

Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	_____
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	4.00%		0.00	_____
Real Estate Taxes		\$ -	per acre @	1.00%		0.00	_____
Total Cost per Acre Including Overhead						186.54	_____

**2016 Budget 2-Alfalfa, Roundup Ready® No-Till, Fall Establishment
Dryland**

Field Operations	Times or Qty	Labor @ Unit	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate	
				Power	Imp.	Power	Imp.			
1 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23		
2 Drill w/ Fertilizer	1	2.18	1.18	0.76	3.85	2.51	2.62	13.10		
3 Spray	1	1.00	0.27	0.33	0.64	1.11	0.88	4.23		
4 Spray	0.2	0.20	0.05	0.07	0.13	0.22	0.18	0.85		
Total for Field Operations			4.38	1.77	1.49	5.26	4.95	4.56	22.41	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Gramoxone SL	Herbicide	1	100%	2	pint	5.38	10.75	
11-52-0	Fertilizer	2	100%	100	pound	0.28	28.00	
Alfalfa RR w/Inoculant	Seed	7	100%	12	pound	9.00	108.00	
Roundup WeatherMax	Herbicide	7	100%	44	ounce	0.30	13.06	
21-0-0-24S	Additive	7	100%	1.7	pound	0.35	0.60	
Lorsban Advanced	Insecticide	8	20%	1	pint	6.88	1.38	
Total Materials & Services							161.79	

Total listed costs for Field Operations and Materials and Services								184.20	
Interest on Operations Capital		\$ 174.69	cash expense @	5.50%	for 6.0 mo.			4.80	
Total Operating and Use Related Ownership Costs								189.00	
Overhead (accounting, liability insurance, vehicle cost, office expense)								20.00	
Real Estate Opportunity	Fall Establishment	\$	-	per acre @	4.00%			0.00	
Real Estate Taxes		\$	-	per acre @	1.00%			0.00	
Total Cost per Acre Including Overhead								209.00	

**2016 Budget 3-Alfalfa, Roundup Ready®, Fall Establishment
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
3 Harrow	1		1.18	0.28	0.45	0.00	1.49	0.00	3.40	
4 Harrow	1		1.18	0.28	0.45	0.00	1.49	0.00	3.40	
5 Roll	1		2.22	1.57	0.93	0.00	3.07	0.00	7.79	
6 Drill	1		1.76	1.03	0.67	2.94	2.21	2.62	11.23	
7 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
8 Spray	0.2		0.20	0.05	0.07	0.13	0.22	0.18	0.85	
Total for Field Operations			11.13	6.24	3.85	4.95	15.91	4.89	46.97	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Alfalfa RR w/Inoculant	Seed	6	100%	12 pound	9.00	108.00	
Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.30	13.06	
21-0-0-24S	Additive	7	100%	1.7 pound	0.35	0.60	
Lorsban Advanced	Insecticide	8	20%	1 pint	6.88	1.38	
Total Materials & Services						151.04	

Total listed costs for Field Operations and Materials and Services					198.01		
Interest on Operations Capital \$ 177.21	cash expense @	5.50%	for 6.0 mo.		4.87		
Total Operating and Use Related Ownership Costs						202.88	

Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00		
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	4.00%	0.00		
Real Estate Taxes		\$ -	per acre @	1.00%	0.00		
Total Cost per Acre Including Overhead						222.88	

**2016 Budget 4-Alfalfa, Establish Spring Seed with Herbicides (2.8 ton Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
3 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4 Seeder/Packer	1		3.00	1.39	1.04	3.48	3.46	3.34	15.71	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.22	0.18	0.85	
6 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
7 Swath/Condition Hay	2		4.00	2.59	4.57	0.00	7.23	0.00	18.39	
8 Turn Windrows	0.5		0.83	0.23	0.35	0.05	1.15	0.16	2.77	
9 Bale Small Square	2.80	ton	15.40	6.34	5.83	10.97	19.35	2.75	60.64	
10 Stack Small Square	2.80	ton	5.60	1.45	2.33	0.80	7.74	1.26	19.18	
Total for Field Operations			35.09	16.49	16.03	18.59	48.42	11.35	145.97	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
11-52-0							
	Fertilizer	1	100%	100	pound	0.28	28.00
	Rental	4	100%	1	acre	13.00	13.00
	Seed	4	100%	12	pound	6.00	72.00
	Insecticide	5	20%	1	pint	6.88	1.38
	Herbicide	6	100%	0.5	pint	16.88	8.44
	Herbicide	6	100%	3	ounce	3.83	11.48
	Other	9	100%	2.8	ton	2.33	6.53
Total Materials & Services						140.83	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 227.03	cash expense @	5.50%	for 6.0 mo.	6.24
Total Operating and Use Related Ownership Costs				293.04

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

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 Overhead					482.54

Cost per ton	172.34
Cash Cost per ton	95.42

**2016 Budget 5-Alfalfa, Roundup Ready®, Establish Spring Seed (2.8 ton Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
3 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4 Seeder/Packer	1		3.00	1.39	1.04	3.48	3.46	3.34	15.71	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.22	0.18	0.85	
6 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
7 Swath/Condition Hay	2		4.00	2.59	4.57	0.00	7.23	0.00	18.39	
8 Turn Windrows	0.5		0.83	0.23	0.35	0.05	1.15	0.16	2.77	
9 Bale Small Square	2.80	ton	15.40	6.34	5.83	10.97	19.35	2.75	60.64	
10 Stack Small Square	2.80	ton	5.60	1.45	2.33	0.80	7.74	1.26	19.18	
Total for Field Operations			35.09	16.49	16.03	18.59	48.42	11.35	145.97	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	100	pound	0.28	28.00	
Seeder/Packer	Rental	4	100%	1	acre	13.00	13.00	
Alfalfa RR w/Inoculant	Seed	4	100%	12	pound	9.00	108.00	
Lorsban Advanced	Insecticide	5	20%	1	pint	6.88	1.38	
Roundup WeatherMax	Herbicide	6	100%	44	ounce	0.30	13.06	
21-0-0-24S	Additive	6	100%	1.70	pound	0.35	0.60	
Twine Small Square	Other	9	100%	2.80	ton	2.33	6.53	
Total Materials & Services							170.57	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 256.77	cash expense @	5.50%	for 6.0 mo.	7.06
Total Operating and Use Related Ownership Costs				323.60

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

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 Overhead					513.10

Cost per ton	183.25
Cash Cost per ton	106.33

2016 Budget 6-Alfalfa, Establish Spring Seed with Herbicides (3.8 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
3 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4 Seeder/Packer	1		3.00	1.39	1.04	3.48	3.46	3.34	15.71	
5 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
6 Pivot D 125' Lift	12	ai	8.33	57.62	4.12	19.37	5.96	11.58	106.98	
7 Swath/Condition Hay	2		4.00	2.59	4.57	0.00	7.23	0.00	18.39	
8 Turn Windrows	0.5		0.83	0.23	0.35	0.05	1.15	0.16	2.77	
9 Large Square Bale	3.80	ton	5.23	3.80	1.98	2.19	6.57	22.95	42.72	
10 Load Large Square	3.80	ton	4.18	1.97	1.58	0.18	5.25	0.22	13.38	
11 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
Total for Field Operations			32.13	72.18	15.65	28.75	39.44	42.35	230.50	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Seeder/Packer	Rental	4	100%	1 acre	13.00	13.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.00	72.00	
Buctril 4E	Herbicide	6	100%	0.5 pint	16.88	8.44	
Pursuit	Herbicide	6	100%	3 ounce	3.83	11.48	
Twine Large Square	Other	10	100%	3.80 ton	1.81	6.86	
Lorsban Advanced	Insecticide	11	50%	1 pint	6.88	3.44	
Total Materials & Services						143.22	

Total listed costs for Field Operations and Materials and Services 373.72

Interest on Operations Capital \$ 291.93 cash expense @ 5.50% for 6.0 mo. 8.03

Total Operating and Use Related Ownership Costs 381.75

Overhead (accounting, liability insurance, vehicle cost, office 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 Overhead 767.50

Cost per ton 201.97

Cash Cost per ton 98.19

2016 Budget 7-Alfalfa, Roundup Ready®, Establish Spring Seed (4 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
2 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
3 Field Cultivation	1		1.47	1.41	0.56	1.28	1.84	1.57	8.13	
4 Seeder/Packer	1		3.00	1.39	1.04	3.48	3.46	3.34	15.71	
5 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
6 Pivot D 125' Lift	12	ai	8.33	57.62	4.12	19.37	5.96	11.58	106.98	
7 Swath/Condition Hay	2		4.00	2.59	4.57	0.00	7.23	0.00	18.39	
8 Turn Windrows	0.5		0.83	0.23	0.35	0.05	1.15	0.16	2.77	
9 Large Square Bale	4.00	ton	5.50	4.00	2.08	2.31	6.91	24.16	44.96	
10 Load Large Square	4.00	ton	4.40	2.07	1.67	0.19	5.53	0.24	14.10	
11 Spray	0.5		0.50	0.14	0.17	0.32	0.55	0.44	2.12	
Total for Field Operations			32.62	72.48	15.84	28.88	40.06	43.58	233.46	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Seeder/Packer	Rental	4	100%	1 acre	13.00	13.00	
Alfalfa RR w/Inoculant	Seed	4	100%	12 pound	9.00	108.00	
Roundup WeatherMax	Herbicide	5	100%	44 ounce	0.30	13.06	
21-0-0-24S	Additive	5	100%	1.7 pound	0.35	0.60	
Twine Large Square	Other	9	100%	4 ton	1.81	7.22	
Lorsban Advanced	Insecticide	11	50%	1 pint	6.88	3.44	
Total Materials & Services						173.32	

Total listed costs for Field Operations and Materials and Services						406.78
Interest on Operations Capital \$ 323.14	cash expense @	5.50%	for 6.0 mo.			8.89
Total Operating and Use Related Ownership Costs						415.67

Overhead (accounting, liability insurance, vehicle cost, office 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 Overhead						801.42

Cost per ton						200.35
Cash Cost per ton						101.29

2016 Budget 8-Alfalfa, Fall Seeded with Subsequent Year Production (2.5 ton Actual Yield)
Gravity Irrigated, Canal, 18 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	1.97	0.29	1.24	4.14	1.21	10.87	
2 Spread Fertilizer	1		1.57	0.79	0.66	0.00	2.18	0.00	5.20	
3 Roll	1		2.22	1.57	0.93	0.00	3.07	0.00	7.79	
4 Drill	1		1.76	1.03	0.67	2.94	2.21	2.62	11.23	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.22	0.18	0.85	
6 Corrugate	1		3.13	1.62	1.19	0.90	3.94	5.47	16.25	
7 Swath/Condition Hay	2		4.00	2.59	4.57	0.00	7.23	0.00	18.39	
8 Turn Windrows	0.5		0.83	0.23	0.35	0.05	1.15	0.16	2.77	
9 Large Round Bale	2.50	ton	5.50	1.86	2.08	5.03	6.91	5.25	26.63	
10 Move Large Round	2.50	ton	2.75	1.29	1.04	0.00	3.46	0.15	8.69	
11 Ditch Irrigation	18	ai	20.00	0.00	0.00	0.00	0.00	0.00	20.00	
12 Spray	1		1.00	0.27	0.33	0.64	1.11	0.88	4.23	
Total for Field Operations			44.98	13.27	12.18	10.93	35.62	15.92	132.90	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0	Fertilizer	2	100%	100	pound	0.28	28.00	
Alfalfa w/Inoculant	Seed	4	100%	12	pound	6.00	72.00	
Oats	Seed	4	100%	0.5	bushel	9.00	4.50	
Lorsban Advanced	Insecticide	5	20%	1	pint	6.88	1.38	
Twine Large Round	Other	9	100%	2.5	ton	0.91	2.27	
Irrigation District O&M Charge	Other	11	100%	1	acre	30.00	30.00	
Raptor	Herbicide	12	100%	5	ounce	4.77	23.83	
Crop Oil Concentrate	Additive	12	100%	1.6	pint	1.50	2.40	
UAN	Additive	12	100%	2	pint	0.21	0.41	
Total Materials & Services						164.79		

Total listed costs for Field Operations and Materials and Services						297.69	
Interest on Operations Capital	\$ 246.15	cash expense @	5.50%	for 6.0 mo.		6.77	
Total Operating and Use Related Ownership Costs						304.46	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (Panhandle)	\$ 3,235	per acre @	4.00%		129.40	
Real Estate Taxes		\$ 3,235	per acre @	1.00%		32.35	
Total Cost per Acre Including Overhead						486.21	
Cost per ton						194.48	
Cash Cost per ton						114.11	