

2017 Nebraska Crop Budgets

Developed and
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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>.

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**2017 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	0.68	0.00	2.26	0.00	5.30	
2	Disk	1	2.02	1.97	0.30	1.27	4.32	1.23	11.11	
3	Harrow	1	1.18	0.28	0.46	0.00	1.54	0.00	3.46	
4	Harrow	1	1.18	0.28	0.46	0.00	1.54	0.00	3.46	
5	Roll	1	2.22	1.57	0.96	0.00	3.18	0.00	7.93	
6	Drill	1	1.76	1.03	0.69	2.94	2.29	2.62	11.33	
7	Spray	1	1.00	0.27	0.35	0.64	1.15	0.88	4.29	
8	Spray	0.2	0.20	0.05	0.07	0.13	0.23	0.18	0.86	
Total for Field Operations			11.13	6.24	3.97	4.98	16.51	4.91	47.74	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	1	100%	100 pound	0.24	24.00	
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	1.13	1.80	
UAN	Additive	7	100%	2 pint	0.19	0.38	
Lorsban Advanced	Insecticide	8	20%	1 pint	6.88	1.38	
Total Materials & Services						111.04	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 137.36 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 Fall Establishment \$ - per acre @ 4.00%
 Real Estate Taxes \$ - per acre @ 1.00%

Total Cost per Acre Including Overhead

158.78
 3.78
 162.56
 20.00
 0.00
 0.00
 182.56

**2017 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	0.35	0.64	1.15	0.88	4.29	
2 Drill w/ Fertilizer	1	2.18	1.18	0.78	3.85	2.60	2.62	13.21	
3 Spray	1	1.00	0.27	0.35	0.64	1.15	0.88	4.29	
4 Spray	0.2	0.20	0.05	0.07	0.13	0.23	0.18	0.86	
Total for Field Operations		4.38	1.77	1.55	5.26	5.13	4.56	22.65	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	2	100%	100 pound	0.24	24.00	
Alfalfa RR w/Inoculant	Seed	7	100%	12 pound	9.00	108.00	
Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.25	11.00	
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						154.48	

Total listed costs for Field Operations and Materials and Services		177.13
Interest on Operations Capital \$ 167.44 cash expense @ 5.50% for 6.0 mo.		4.60
Total Operating and Use Related Ownership Costs		181.73

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		201.73

**2017 Budget 3-Alfalfa, Roundup Ready, 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	0.68	0.00	2.26	0.00	5.30	_____
2	Disk	1	2.02	1.97	0.30	1.27	4.32	1.23	11.11	_____
3	Harrow	1	1.18	0.28	0.46	0.00	1.54	0.00	3.46	_____
4	Harrow	1	1.18	0.28	0.46	0.00	1.54	0.00	3.46	_____
5	Roll	1	2.22	1.57	0.96	0.00	3.18	0.00	7.93	_____
6	Drill	1	1.76	1.03	0.69	2.94	2.29	2.62	11.33	_____
7	Spray	1	1.00	0.27	0.35	0.64	1.15	0.88	4.29	_____
8	Spray	0.2	0.20	0.05	0.07	0.13	0.23	0.18	0.86	_____
Total for Field Operations			11.13	6.24	3.97	4.98	16.51	4.91	47.74	_____

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	1	100%	100 pound	0.24	24.00	_____
Alfalfa RR w/Inoculant	Seed	6	100%	12 pound	9.00	108.00	_____
Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.25	11.00	_____
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						144.98	_____

Total listed costs for Field Operations and Materials and Services						192.72	_____
Interest on Operations Capital \$ 171.30	cash expense @	5.50%	for 6.0 mo.			4.71	_____
Total Operating and Use Related Ownership Costs						197.43	_____
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						217.43	_____

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
3 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
4 Seeder/Packer	1		3.00	1.39	1.08	3.48	3.58	3.34	15.87	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.23	0.18	0.86	
6 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
7 Swath/Condition Hay	2		4.00	2.59	4.62	0.00	7.30	0.00	18.51	
8 Turn Windrows	0.5		0.83	0.23	0.36	0.05	1.19	0.16	2.82	
9 Bale Small Square	2.80	ton	15.40	6.34	6.04	10.97	20.06	2.75	61.56	
10 Stack Small Square	2.80	ton	5.60	1.45	2.42	0.80	8.02	1.26	19.55	
Total for Field Operations			35.09	16.49	16.50	18.67	50.02	11.44	148.21	

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	
Lorsban Advanced	Insecticide	5	20%	1 pint	6.88	1.38	
Brox 2EC	Herbicide	6	100%	0.5 pint	4.25	2.13	
Pursuit	Herbicide	6	100%	3 ounce	3.83	11.48	
Twine Small Square	Other	9	100%	2.8 ton	2.33	6.53	
Total Materials & Services						130.52	

Total listed costs for Field Operations and Materials and Services					278.73	
Interest on Operations Capital \$ 217.27	cash expense @	5.50%	for 6.0 mo.		5.97	
Total Operating and Use Related Ownership Costs					284.70	
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,470	per acre @	4.00%	138.80	
Real Estate Taxes		\$ 3,470	per acre @	1.00%	34.70	
Total Cost per Acre Including Overhead					478.20	
Cost per ton					170.79	
Cash Cost per ton					92.12	

**2017 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	0.68	0.00	2.26	0.00	5.30	
2 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
3 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
4 Seeder/Packer	1		3.00	1.39	1.08	3.48	3.58	3.34	15.87	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.23	0.18	0.86	
6 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
7 Swath/Condition Hay	2		4.00	2.59	4.62	0.00	7.30	0.00	18.51	
8 Turn Windrows	0.5		0.83	0.23	0.36	0.05	1.19	0.16	2.82	
9 Bale Small Square	2.80	ton	15.40	6.34	6.04	10.97	20.06	2.75	61.56	
10 Stack Small Square	2.80	ton	5.60	1.45	2.42	0.80	8.02	1.26	19.55	
Total for Field Operations			35.09	16.49	16.50	18.67	50.02	11.44	148.21	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	1	100%	100 pound	0.24	24.00	
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	0.25	11.00	
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						164.51		

Total listed costs for Field Operations and Materials and Services						312.72	
Interest on Operations Capital \$ 251.26	cash expense @	5.50%	for 6.0 mo.			6.91	
Total Operating and Use Related Ownership Costs						319.63	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,470	per acre @	4.00%		138.80	
Real Estate Taxes		\$ 3,470	per acre @	1.00%		34.70	
Total Cost per Acre Including Overhead						513.13	
Cost per ton						183.26	
Cash Cost per ton						104.60	

2017 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	0.68	0.00	2.26	0.00	5.30	
2	Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
3	Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
4	Seeder/Packer	1		3.00	1.39	1.08	3.48	3.58	3.34	15.87	
5	Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
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	4.62	0.00	7.30	0.00	18.51	
8	Turn Windrows	0.5		0.83	0.23	0.36	0.05	1.19	0.16	2.82	
9	Large Square Bale	3.80	ton	5.23	3.80	2.05	2.19	6.81	22.95	43.03	
10	Load Large Square	3.80	ton	4.18	1.97	1.64	0.18	5.44	0.23	13.64	
11	Spray	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
Total for Field Operations				32.13	72.18	15.95	28.83	40.49	42.45	232.03	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	100	pound	0.24	24.00	
Seeder/Packer	Rental	4	100%	1	acre	13.00	13.00	
Alfalfa w/Inoculant	Seed	4	100%	12	pound	6.00	72.00	
Brox 2EC	Herbicide	6	100%	0.5	pint	4.25	2.13	
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							132.91	

Total listed costs for Field Operations and Materials and Services							364.94	
Interest on Operations Capital \$ 282.00 cash expense @ 5.50% for 6.0 mo.							7.76	
Total Operating and Use Related Ownership Costs							372.70	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,940	per acre @	4.00%			277.60	
Real Estate Taxes		\$ 6,940	per acre @	1.00%			69.40	
Total Cost per Acre Including Overhead							739.70	
Cost per ton							194.66	
Cash Cost per ton							94.51	

2017 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	0.68	0.00	2.26	0.00	5.30	
2 Disk	1		2.02	1.97	0.30	1.27	4.32	1.23	11.11	
3 Field Cultivation	1		1.47	1.41	0.58	1.33	1.91	1.64	8.34	
4 Seeder/Packer	1		3.00	1.39	1.08	3.48	3.58	3.34	15.87	
5 Spray	1		1.00	0.27	0.35	0.64	1.15	0.88	4.29	
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	4.62	0.00	7.30	0.00	18.51	
8 Turn Windrows	0.5		0.83	0.23	0.36	0.05	1.19	0.16	2.82	
9 Large Square Bale	4.00	ton	5.50	4.00	2.16	2.31	7.16	24.16	45.29	
10 Load Large Square	4.00	ton	4.40	2.07	1.73	0.19	5.73	0.24	14.36	
11 Spray	0.5		0.50	0.14	0.17	0.32	0.57	0.44	2.14	
Total for Field Operations			32.62	72.48	16.15	28.96	41.13	43.67	235.01	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	1	100%	100 pound	0.24	24.00	
Seeder/Packer	4	Rental	4	100%	1 acre	13.00	13.00	
Alfalfa RR w/Inoculant	4	Seed	4	100%	12 pound	9.00	108.00	
Roundup WeatherMax	5	Herbicide	5	100%	44 ounce	0.25	11.00	
21-0-0-24S	5	Additive	5	100%	1.7 pound	0.35	0.60	
Twine Large Square	9	Other	9	100%	4 ton	1.81	7.22	
Lorsban Advanced	11	Insecticide	11	50%	1 pint	6.88	3.44	
Total Materials & Services						167.26		

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 317.47	cash expense @	5.50%	for 6.0 mo.	8.73
Total Operating and Use Related Ownership Costs				411.00

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

Real Estate Opportunity	Pivot (State)	\$ 6,940	per acre @	4.00%	277.60	
Real Estate Taxes		\$ 6,940	per acre @	1.00%	69.40	
Total Cost per Acre Including Overhead						778.00

Cost per ton	194.50
Cash Cost per ton	98.90

2017 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	0.30	1.27	4.32	1.23	11.11	
2 Spread Fertilizer	1		1.57	0.79	0.68	0.00	2.26	0.00	5.30	
3 Roll	1		2.22	1.57	0.96	0.00	3.18	0.00	7.93	
4 Drill	1		1.76	1.03	0.69	2.94	2.29	2.62	11.33	
5 Spray	0.2		0.20	0.05	0.07	0.13	0.23	0.18	0.86	
6 Corrugate	1		3.13	1.62	1.23	0.90	4.08	5.47	16.43	
7 Swath/Condition Hay	2		4.00	2.59	4.62	0.00	7.30	0.00	18.51	
8 Turn Windrows	0.5		0.83	0.23	0.36	0.05	1.19	0.16	2.82	
9 Large Round Bale	2.50	ton	5.50	1.86	2.16	2.69	7.16	2.81	22.18	
10 Move Large Round	2.50	ton	2.75	1.29	1.08	0.00	3.58	0.15	8.85	
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	0.35	0.64	1.15	0.88	4.29	
Total for Field Operations			44.98	13.27	12.50	8.62	36.74	13.50	129.61	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0		Fertilizer	2	100%	100 pound	0.24	24.00	
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	1.13	1.80	
UAN		Additive	12	100%	2 pint	0.19	0.38	
Total Materials & Services						160.16		

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 239.53 cash expense @ 5.50% for 6.0 mo. 289.77

Total Operating and Use Related Ownership Costs 296.36

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

Real Estate Opportunity Gravity (Panhandle) \$ 2,970 per acre @ 4.00% 118.80

Real Estate Taxes \$ 2,970 per acre @ 1.00% 29.70

Total Cost per Acre Including Overhead 464.86

Cost per ton 185.94

Cash Cost per ton 110.33