

2019 Nebraska Crop Budgets

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These 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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1-Alfalfa, Conventional Tillage, Fall Establishment, Dryland

2019 Budget 1-Alfalfa, Conventional Tillage, Fall Establishment Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
4 Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
5 Drill	1		1.76	1.14	0.69	2.94	2.16	2.35	11.04	
6 Roll	1		2.22	1.74	0.96	0.00	3.00	0.00	7.92	
7 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
8 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations			11.13	6.91	3.97	4.98	15.52	4.46	46.97	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
11-52-0	Fertilizer	1	100%	100 pound	0.27	27.00	
Alfalfa w/Inoculant	Seed	5	100%	12 pound	6.00	72.00	
Pursuit	Herbicide	7	100%	3 ounce	3.75	11.25	
Crop Oil Concentrate	Additive	7	100%	1.6 pint	1.34	2.15	
UAN	Additive	7	100%	2 pint	0.19	0.39	
Mustang Maxx	Insecticide	8	20%	3 ounce	1.41	0.84	
Total Materials & Services						113.63	

Total listed costs for Field Operations and Materials and Services						160.60	
Interest on Operations Capital	\$ 140.62	cash expense @	5.50%	for 6.0 mo.		3.87	
Total Operating and Use Related Ownership Costs						164.47	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%		0.00	
Real Estate Taxes		\$ -	per acre @	1.35%		0.00	
Total Cost per Acre Including Overhead						184.47	

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

**2019 Budget 2-Alfalfa, Roundup Ready®, No Till, Fall Establishment
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
2 Drill w/ Fertilizer	1		2.18	1.30	0.78	3.85	2.45	2.35	12.91	
3 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
4 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations			4.38	1.96	1.55	5.26	4.83	4.13	22.11	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Gramoxone SL 2.0	Herbicide	1	100%	2 pint	3.38	6.75
11-52-0	Fertilizer	2	100%	100 pound	0.27	27.00
Alfalfa RR w/Inoculant	Seed	2	100%	12 pound	9.00	108.00
Roundup WeatherMax	Herbicide	3	100%	44 ounce	0.26	11.34
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60
Mustang Maxx	Insecticide	4	20%	3 ounce	1.41	0.84
Total Materials & Services					154.53	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 167.68 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 @ 3.00%

Real Estate Taxes \$ - per acre @ 1.35%

Total Cost per Acre Including Overhead

3-Alfalfa, Roundup Ready®, Conventional Tillage, Fall Establishment, Dryland

2019 Budget 3-Alfalfa, Roundup Ready®, Conventional Tillage, Fall Establishment Dryland

Field Operations		Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2	Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3	Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
4	Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
5	Drill	1		1.76	1.14	0.69	2.94	2.16	2.35	11.04	
6	Roll	1		2.22	1.74	0.96	0.00	3.00	0.00	7.92	
7	Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
8	Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations				11.13	6.91	3.97	4.98	15.52	4.46	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	5	100%	12 pound	9.00	108.00	
	Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.26	11.34	
	21-0-0-24S	Additive	7	100%	1.7 pound	0.35	0.60	
	Mustang Maxx	Insecticide	8	20%	3 ounce	1.41	0.84	
Total Materials & Services						147.78		

Total listed costs for Field Operations and Materials and Services					194.75
Interest on Operations Capital	\$ 174.77	cash expense @	5.50%	for 6.0 mo.	4.81
Total Operating and Use Related Ownership Costs					199.56
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%	0.00
Real Estate Taxes		\$ -	per acre @	1.35%	0.00
Total Cost per Acre Including Overhead					219.56

4-Alfalfa, Small Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 2.8 ton Yield, Dryland

2019 Budget 4-Alfalfa, Small Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 2.8 ton Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Field Cultivation	1		1.47	1.56	0.58	1.33	1.80	1.51	8.25	
4 Seeder/Packer	1		3.00	1.54	1.08	3.48	3.37	3.03	15.50	
5 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
6 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Small Square	2.80	ton	15.40	7.02	6.04	10.97	18.87	2.54	60.84	
10 Load Small Square	2.80	ton	5.60	1.60	2.42	0.80	7.55	1.16	19.13	
Total for Field Operations			35.09	18.24	16.50	18.67	46.83	10.50	145.83	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0 Fertilizer
Seeder/Packer Rental	4	100%	1 acre	13.00	13.00		
Alfalfa w/Inoculant Seed	4	100%	12 pound	6.00	72.00		
Mustang Maxx Insecticide	5	20%	3 ounce	1.41	0.84		
Brox 2EC Herbicide	6	100%	0.5 pint	4.38	2.19		
Pursuit Herbicide	6	100%	3 ounce	3.75	11.25		
Twine Small Square Other	9	100%	2.8 ton	2.33	6.53		
Total Materials & Services						132.81	

Total listed costs for Field Operations and Materials and Services 278.64

Interest on Operations Capital \$ 221.31 cash expense @ 5.50% for 6.0 mo. 6.09

Total Operating and Use Related Ownership Costs 284.73

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

Real Estate Opportunity Dryland (State) \$ 3,100 per acre @ 3.00% 93.00

Real Estate Taxes \$ 3,100 per acre @ 1.35% 41.85

Total Cost per Acre Including Overhead 439.58

Cost per ton 156.99

Cash Cost per ton 96.16

1-Alfalfa, Conventional Tillage, Fall Establishment, Dryland

2019 Budget 1-Alfalfa, Conventional Tillage, Fall Establishment Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
4 Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
5 Drill	1		1.76	1.14	0.69	2.94	2.16	2.35	11.04	
6 Roll	1		2.22	1.74	0.96	0.00	3.00	0.00	7.92	
7 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
8 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations			11.13	6.91	3.97	4.98	15.52	4.46	46.97	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
11-52-0	Fertilizer	1	100%	100 pound	0.27	27.00	
Alfalfa w/Inoculant	Seed	5	100%	12 pound	6.00	72.00	
Pursuit	Herbicide	7	100%	3 ounce	3.75	11.25	
Crop Oil Concentrate	Additive	7	100%	1.6 pint	1.34	2.15	
UAN	Additive	7	100%	2 pint	0.19	0.39	
Mustang Maxx	Insecticide	8	20%	3 ounce	1.41	0.84	
Total Materials & Services						113.63	

Total listed costs for Field Operations and Materials and Services						160.60	
Interest on Operations Capital	\$ 140.62	cash expense @	5.50%	for 6.0 mo.		3.87	
Total Operating and Use Related Ownership Costs						164.47	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%		0.00	
Real Estate Taxes		\$ -	per acre @	1.35%		0.00	
Total Cost per Acre Including Overhead						184.47	

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

**2019 Budget 2-Alfalfa, Roundup Ready®, No Till, Fall Establishment
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
2 Drill w/ Fertilizer	1		2.18	1.30	0.78	3.85	2.45	2.35	12.91	
3 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
4 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations			4.38	1.96	1.55	5.26	4.83	4.13	22.11	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Gramoxone SL 2.0	Herbicide	1	100%	2 pint	3.38	6.75
11-52-0	Fertilizer	2	100%	100 pound	0.27	27.00
Alfalfa RR w/Inoculant	Seed	2	100%	12 pound	9.00	108.00
Roundup WeatherMax	Herbicide	3	100%	44 ounce	0.26	11.34
21-0-0-24S	Additive	3	100%	1.7 pound	0.35	0.60
Mustang Maxx	Insecticide	4	20%	3 ounce	1.41	0.84
Total Materials & Services					154.53	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 167.68 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 @ 3.00%

Real Estate Taxes \$ - per acre @ 1.35%

Total Cost per Acre Including Overhead

176.64
4.61
181.25
20.00
0.00
0.00
201.25

3-Alfalfa, Roundup Ready®, Conventional Tillage, Fall Establishment, Dryland

2019 Budget 3-Alfalfa, Roundup Ready®, Conventional Tillage, Fall Establishment Dryland

Field Operations		Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2	Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3	Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
4	Harrow	1		1.18	0.31	0.46	0.00	1.45	0.00	3.40	
5	Drill	1		1.76	1.14	0.69	2.94	2.16	2.35	11.04	
6	Roll	1		2.22	1.74	0.96	0.00	3.00	0.00	7.92	
7	Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
8	Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
Total for Field Operations				11.13	6.91	3.97	4.98	15.52	4.46	46.97	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
11-52-0	Fertilizer	1	100%	100 pound	0.27	27.00	
Alfalfa RR w/Inoculant	Seed	5	100%	12 pound	9.00	108.00	
Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.26	11.34	
21-0-0-24S	Additive	7	100%	1.7 pound	0.35	0.60	
Mustang Maxx	Insecticide	8	20%	3 ounce	1.41	0.84	
Total Materials & Services						147.78	

Total listed costs for Field Operations and Materials and Services						194.75	
Interest on Operations Capital \$ 174.77 cash expense @ 5.50% for 6.0 mo.						4.81	
Total Operating and Use Related Ownership Costs						199.56	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Fall Establishment	\$	-	per acre @	3.00%	0.00	
Real Estate Taxes		\$	-	per acre @	1.35%	0.00	
Total Cost per Acre Including Overhead						219.56	

4-Alfalfa, Small Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 2.8 ton Yield, Dryland

2019 Budget 4-Alfalfa, Small Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 2.8 ton Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Field Cultivation	1		1.47	1.56	0.58	1.33	1.80	1.51	8.25	
4 Seeder/Packer	1		3.00	1.54	1.08	3.48	3.37	3.03	15.50	
5 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
6 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Small Square	2.80	ton	15.40	7.02	6.04	10.97	18.87	2.54	60.84	
10 Load Small Square	2.80	ton	5.60	1.60	2.42	0.80	7.55	1.16	19.13	
Total for Field Operations			35.09	18.24	16.50	18.67	46.83	10.50	145.83	

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		
Mustang Maxx	Insecticide	5	20%	3 ounce	1.41	0.84		
Brox 2EC	Herbicide	6	100%	0.5 pint	4.38	2.19		
Pursuit	Herbicide	6	100%	3 ounce	3.75	11.25		
Twine Small Square	Other	9	100%	2.8 ton	2.33	6.53		
Total Materials & Services							132.81	

Total listed costs for Field Operations and Materials and Services 278.64

Interest on Operations Capital \$ 221.31 cash expense @ 5.50% for 6.0 mo. 6.09

Total Operating and Use Related Ownership Costs 284.73

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

Real Estate Opportunity Dryland (State) \$ 3,100 per acre @ 3.00% 93.00

Real Estate Taxes \$ 3,100 per acre @ 1.35% 41.85

Total Cost per Acre Including Overhead 439.58

Cost per ton 156.99

Cash Cost per ton 96.16

5-Alfalfa, Roundup Ready®, Small Square Bales, Conventional Tillage, Establish Spring Seed, 2.8 ton Yield, Dryland

2019 Budget 5-Alfalfa, Roundup Ready®, Small Square Bales, Conventional Tillage, Establish Spring Seed, 2.8 ton Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Field Cultivation	1		1.47	1.56	0.58	1.33	1.80	1.51	8.25	
4 Seeder/Packer	1		3.00	1.54	1.08	3.48	3.37	3.03	15.50	
5 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
6 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Small Square	2.80	ton	15.40	7.02	6.04	10.97	18.87	2.54	60.84	
10 Load Small Square	2.80	ton	5.60	1.60	2.42	0.80	7.55	1.16	19.13	
Total for Field Operations			35.09	18.24	16.50	18.67	46.83	10.50	145.83	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0 Fertilizer
Seeder/Packer Rental	4	100%	1 acre	13.00	13.00		
Alfalfa RR w/Inoculant Seed	4	100%	12 pound	9.00	108.00		
Mustang Maxx Insecticide	5	20%	3 ounce	1.41	0.84		
Roundup WeatherMax Herbicide	6	100%	44 ounce	0.26	11.34		
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						167.31	

Total listed costs for Field Operations and Materials and Services 313.14

Interest on Operations Capital \$ 255.81 cash expense @ 5.50% for 6.0 mo. 7.03

Total Operating and Use Related Ownership Costs 320.17

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

Real Estate Opportunity Dryland (State) \$ 3,100 per acre @ 3.00% 93.00

Real Estate Taxes \$ 3,100 per acre @ 1.35% 41.85

Total Cost per Acre Including Overhead 475.02

Cost per ton 169.65

Cash Cost per ton 108.82

6-Alfalfa, Large Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 3.8 ton Yield, Pivot Irrigated

**2019 Budget 6-Alfalfa, Large Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 3.8 ton Yield
Pivot Irrigated, 800 GPM 35 PSI, 12 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Field Cultivation	1		1.47	1.56	0.58	1.33	1.80	1.51	8.25	
4 Seeder/Packer	1		3.00	1.54	1.08	3.48	3.37	3.03	15.50	
5 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
6 Pivot D 125' Lift	12	ai	8.33	63.76	4.12	19.37	5.51	10.63	111.72	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Large Square	3.80	ton	5.23	4.21	2.05	2.19	6.40	21.15	41.23	
10 Load Large Square	3.80	ton	4.18	2.18	1.64	0.18	5.12	0.21	13.51	
11 Spray Insecticide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
Total for Field Operations			32.13	79.86	15.95	28.83	37.76	39.04	233.57	

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	
Brox 2EC	Herbicide	5	100%	0.5 pint	4.38	2.19	
Pursuit	Herbicide	5	100%	3 ounce	3.75	11.25	
Twine Large Square	Other	10-Sep	100%	3.80 ton	1.81	6.86	
Mustang Maxx	Insecticide	11	50%	3 ounce	1.41	2.11	
Total Materials & Services						134.41	

Total listed costs for Field Operations and Materials and Services						367.98	
Interest on Operations Capital	\$ 291.18	cash expense @	5.50%	for 6.0 mo.		8.01	
Total Operating and Use Related Ownership Costs						375.99	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,130	per acre @	3.00%		183.90	
Real Estate Taxes		\$ 6,130	per acre @	1.35%		82.76	
Total Cost per Acre Including Overhead						662.65	
Cost per ton						174.38	
Cash Cost per ton						100.51	

7-Alfalfa, Roundup Ready®, Large Square Bales, Conventional Tillage, Establish Spring Seed, 4 ton Yield, Pivot Irrigated

2019 Budget 7-Alfalfa, Roundup Ready®, Large Square Bales, Conventional Tillage, Establish Spring Seed, 4 ton Yield
Pivot Irrigated, 800 GPM 35 PSI, 12 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
2 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
3 Field Cultivation	1		1.47	1.56	0.58	1.33	1.80	1.51	8.25	
4 Seeder/Packer	1		3.00	1.54	1.08	3.48	3.37	3.03	15.50	
5 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
6 Pivot D 125' Lift	12	ai	8.33	63.76	4.12	19.37	5.51	10.63	111.72	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Large Square	4.00	ton	5.50	4.43	2.16	2.31	6.74	22.27	43.41	
10 Load Large Square	4.00	ton	4.40	2.29	1.73	0.19	5.39	0.22	14.22	
11 Spray Insecticide	0.5		0.50	0.15	0.17	0.32	0.54	0.41	2.09	
Total for Field Operations			32.62	80.19	16.15	28.96	38.37	40.17	236.46	

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	0.26	11.34	
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	
Mustang Maxx	Insecticide	11	50%	3 ounce	1.41	2.11	
Total Materials & Services						169.27	

Total listed costs for Field Operations and Materials and Services						405.73	
Interest on Operations Capital	\$ 327.19	cash expense @	5.50%	for 6.0 mo.		9.00	
Total Operating and Use Related Ownership Costs						414.73	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Pivot (State)	\$ 6,130	per acre @	3.00%		183.90	
Real Estate Taxes		\$ 6,130	per acre @	1.35%		82.76	
Total Cost per Acre Including Overhead						701.39	
Cost per ton						175.35	
Cash Cost per ton						104.74	

8-Alfalfa, Large Round Bales, Conventional Tillage, Fall Seeded with Subsequent Year Production, 2.5 ton Yield, Gravity Irrigat
2019 Budget 8-Alfalfa, Large Round Bales, Conventional Tillage, Fall Seeded with Subsequent Year Production, 2.5 ton
Yield
Gravity Irrigated, fed by canal, 18 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$2.49 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.02	2.18	0.30	1.27	4.04	1.14	10.95	
2 Spread Fertilizer	1		1.57	0.87	0.68	0.00	2.12	0.00	5.24	
3 Drill	1		1.76	1.14	0.69	2.94	2.16	2.35	11.04	
4 Roll	1		2.22	1.74	0.96	0.00	3.00	0.00	7.92	
5 Spray Insecticide	0.2		0.20	0.06	0.07	0.13	0.22	0.16	0.84	
6 Corrugate	1		3.13	1.79	1.23	0.90	3.84	5.05	15.94	
7 Swath/Condition Hay	2		4.00	2.86	4.62	0.00	6.66	0.00	18.14	
8 Turn Windrows	0.5		0.83	0.25	0.36	0.05	1.12	0.15	2.76	
9 Bale Large Round	2.50	ton	5.50	2.06	2.16	2.69	6.74	2.59	21.74	
10 Move Large Round	2.50	ton	2.75	1.43	1.08	0.00	3.37	0.14	8.77	
11 Ditch Irrigation	18	ai	20.00	0.00	0.00	0.00	0.00	0.00	20.00	
12 Spray Herbicide	1		1.00	0.30	0.35	0.64	1.08	0.81	4.18	
Total for Field Operations			44.98	14.68	12.50	8.62	34.35	12.39	127.52	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Alfalfa w/Inoculant	Seed	3	100%	12 pound	6.00	72.00	
Oats	Seed	3	100%	0.5 bushel	10.00	5.00	
Mustang Maxx	Insecticide	5	20%	3 ounce	1.41	0.84	
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	1.34	2.15	
UAN	Additive	12	100%	2 pint	0.19	0.39	
Total Materials & Services						163.48	

Total listed costs for Field Operations and Materials and Services						291.00	
Interest on Operations Capital \$ 244.26	cash expense @	5.50%	for 6.0 mo.			6.72	
Total Operating and Use Related Ownership Costs						297.72	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (Panhandle)	\$ 2,340	per acre @	3.00%		70.20	
Real Estate Taxes		\$ 2,340	per acre @	1.35%		31.59	
Total Cost per Acre Including Overhead						419.51	
Cost per ton						167.80	
Cash Cost per ton						113.03	