

2021 Nebraska Crop Budgets

Robert Klein, Senior Editor, Western Nebraska Crop Specialist
Glennis McClure, Extension Educator - Agricultural Economics

The 2021 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>.

For more information contact:

Robert Klein, 308-696-6705 or rklein1@unl.edu

Glennis McClure, 402-472-0661 or gmcclure3@unl.edu

The following individuals contributed to these budgets in their specialty area:

Robert Harveson	Extension Entomologist
Tamra Jackson-Ziems	Plant Pathologist - Corn, Soybeans, and Sorghum
Paul Jasa	Extension Biological Systems Engineer
Jay Parsons	Associate Professor - Agricultural Economics
Chris Proctor	Extension Educator - Weed Management
Stephen Wegulo	Plant Pathologist - Wheat and Ornamental
Robert Wright	Extension Entomologist

Nebraska 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.

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

© 2020, The Board of Regents of the University of Nebraska on behalf of the University of Nebraska–Lincoln Extension. All rights reserved.

2021 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 @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
3 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4 Seeder/Packer	1		3.75	0.93	1.44	3.48	4.24	3.03	16.87	
5 Spray Insecticide	0.2		0.19	0.03	0.07	0.12	0.21	0.22	0.84	
6 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
7 Swath/Condition Hay	2		5.00	1.73	5.23	6.10	4.46	3.97	26.49	
8 Turn Windrows	0.5		1.04	0.15	0.48	0.09	1.41	0.24	3.41	
9 Bale Small Square	2.8	ton	19.25	4.23	8.09	12.51	23.74	2.89	70.71	
10 Load Small Square	2.8	ton	7.00	0.97	3.23	0.80	9.49	1.16	22.65	
Total for Field Operations			43.50	10.95	21.22	26.57	55.36	15.51	173.11	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Seeder/Packer	Rental	4	100%	1 acre	15.00	15.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.00	72.00	
Mustang Maxx	Insecticide	5	20%	3 ounce	1.48	0.89	
Brox 2EC	Herbicide	6	100%	1 pint	5.88	5.88	
Pursuit	Herbicide	6	100%	3 ounce	3.59	10.78	
Twine Small Square	Other	9	100%	2.8 ton	2.33	6.53	
Total Materials & Services						138.08	

Total listed costs for Field Operations and Materials and Services 311.19

Interest on Operations Capital \$ 240.32 cash expense @ 5.50% for 6.0 mo. 6.61

Total Operating and Use Related Ownership Costs 317.80

Overhead (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity[^] Dryland (State) \$ 3,165 per acre @ 3.00% 94.95

Real Estate Taxes \$ 3,165 per acre @ 1.25% 39.56

Total Cost per Acre Including Overhead 477.31

Cash Cost per ton [^]Ownership and RE Opportunity not included in cash costs. 111.25

Cost of production per ton 170.47

2021 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 @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
3 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4 Seeder/Packer	1		3.75	0.93	1.44	3.48	4.24	3.03	16.87	
5 Spray Insecticide	0.2		0.19	0.03	0.07	0.12	0.21	0.22	0.84	
6 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
7 Swath/Condition Hay	2		5.00	1.73	5.23	6.10	4.46	3.97	26.49	
8 Turn Windrows	0.5		1.04	0.15	0.48	0.09	1.41	0.24	3.41	
9 Bale Small Square	2.8	ton	19.25	4.23	8.09	12.51	23.74	2.89	70.71	
10 Load Small Square	2.8	ton	7.00	0.97	3.23	0.80	9.49	1.16	22.65	
Total for Field Operations			43.50	10.95	21.22	26.57	55.36	15.51	173.11	

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	15.00	15.00	
Alfalfa RR w/Inoculant	Seed	4	100%	12 pound	9.00	108.00	
Mustang Maxx	Insecticide	5	20%	3 ounce	1.48	0.89	
Roundup WeatherMax	Herbicide	6	100%	44 ounce	0.23	10.31	
21-0-0-24S	Additive	6	100%	1.70 pound	0.31	0.53	
Twine Small Square	Other	9	100%	2.80 ton	2.33	6.53	
Total Materials & Services						168.26	

Total listed costs for Field Operations and Materials and Services		341.37
Interest on Operations Capital \$ 270.50 cash expense @ 5.50% for 6.0 mo.		7.44
Total Operating and Use Related Ownership Costs		348.81

Overhead (accounting, liability insurance, vehicle cost, office expense)		25.00
Real Estate Opportunity^ Dryland (State) \$ 3,165 per acre @ 3.00%		94.95
Real Estate Taxes \$ 3,165 per acre @ 1.25%		39.56
Total Cost per Acre Including Overhead		508.32

Cash Cost per ton	<i>^Ownership and RE Opportunity not included in cash costs.</i>	122.32
Cost of production per ton		181.54

**2021 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 @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
3 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4 Seeder/Packer	1		3.75	0.93	1.44	3.48	4.24	3.03	16.87	
5 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
6 Pivot D 125' Lift	12	ai	10.42	38.41	4.12	20.75	7.81	11.39	92.90	
7 Swath/Condition Hay	2		5.00	1.73	5.23	6.10	4.46	3.97	26.49	
8 Turn Windrows	0.5		1.04	0.15	0.48	0.09	1.41	0.24	3.41	
9 Bale Large Square	3.8	ton	6.15	2.39	2.58	2.44	7.58	26.21	47.35	
10 Load Large Square	3.8	ton	5.23	1.31	2.19	0.18	6.44	0.21	15.56	
11 Spray Insecticide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
Total for Field Operations			39.33	47.90	18.90	36.81	44.26	49.59	236.79	

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	
Seeder/Packer Rental	4	100%	1 acre	15.00	15.00	
Alfalfa w/Inoculant Seed	4	100%	12 pound	6.00	72.00	
Brox 2EC Herbicide	5	100%	1 pint	5.88	5.88	
Pursuit Herbicide	5	100%	3 ounce	3.59	10.78	
Twine Large Square Other	9	100%	3.80 ton	1.81	6.86	
Mustang Maxx Insecticide	11	50%	3 ounce	1.48	2.23	
Total Materials & Services					139.75	

Total listed costs for Field Operations and Materials and Services					376.54	
Interest on Operations Capital \$ 282.69	cash expense @	5.50%	for 6.0 mo.		7.77	
Total Operating and Use Related Ownership Costs					384.31	
Overhead (accounting, liability insurance, vehicle cost, office expense)					25.00	
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%	183.75	
Real Estate Taxes		\$ 6,125	per acre @	1.25%	76.56	
Total Cost per Acre Including Overhead					669.62	
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.				103.16	
Cost of production per ton					176.22	

**2021 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 @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
3 Field Cultivation	1		1.83	0.94	0.77	1.47	2.26	1.67	8.94	
4 Seeder/Packer	1		3.75	0.93	1.44	3.48	4.24	3.03	16.87	
5 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
6 Pivot D 125' Lift	12	ai	10.42	38.41	4.12	20.75	7.81	11.39	92.90	
7 Swath/Condition Hay	2		5.00	1.73	5.23	6.10	4.46	3.97	26.49	
8 Turn Windrows	0.5		1.04	0.15	0.48	0.09	1.41	0.24	3.41	
9 Bale Large Square	4	ton	6.47	2.51	2.72	2.57	7.98	27.59	49.84	
10 Load Large Square	4	ton	5.50	1.38	2.31	0.19	6.78	0.22	16.38	
11 Spray Insecticide	0.5		0.47	0.07	0.18	0.30	0.51	0.54	2.07	
Total for Field Operations			39.92	48.09	19.16	36.95	45.00	50.98	240.10	

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	
Seeder/Packer Rental	4	100%	1 acre	15.00	15.00	
Alfalfa RR w/Inoculant Seed	4	100%	12 pound	9.00	108.00	
Roundup WeatherMax Herbicide	5	100%	44 ounce	0.23	10.31	
21-0-0-24S Additive	5	100%	1.7 pound	0.31	0.53	
Twine Large Square Other	9	100%	4 ton	1.81	7.22	
Mustang Maxx Insecticide	11	50%	3 ounce	1.48	2.23	
Total Materials & Services					170.29	

Total listed costs for Field Operations and Materials and Services 410.39

Interest on Operations Capital \$ 314.41 cash expense @ 5.50% for 6.0 mo. 8.65

Total Operating and Use Related Ownership Costs 419.04

Overhead (accounting, liability insurance, vehicle cost, office expense) 25.00

Real Estate Opportunity[^] Pivot (State) \$ 6,125 per acre @ 3.00% 183.75

Real Estate Taxes \$ 6,125 per acre @ 1.25% 76.56

Total Cost per Acre Including Overhead 704.35

Cash Cost per ton [^]Ownership and RE Opportunity not included in cash costs. 106.15

Cost of production per ton 176.09

**2021 Budget 8-Alfalfa, Large Round Bales, Panhandle, 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 @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	1.31	0.65	1.40	5.85	1.25	12.98	
2	Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
3	Drill	1		2.20	0.69	0.92	3.38	2.71	2.69	12.59	
4	Roll	1		2.78	1.05	1.28	0.00	3.77	0.00	8.88	
5	Spray Insecticide	0.2		0.19	0.03	0.07	0.12	0.21	0.22	0.84	
6	Corrugate	1		3.92	1.08	1.65	0.90	4.83	5.05	17.43	
7	Swath/Condition Hay	2		5.00	1.73	5.23	6.10	4.46	3.97	26.49	
8	Turn Windrows	0.5		1.04	0.15	0.48	0.09	1.41	0.24	3.41	
9	Bale Large Round	2.5	ton	5.73	1.03	2.41	2.42	7.06	3.23	21.88	
10	Move Large Round	2.5	ton	3.27	0.82	1.38	0.00	4.04	0.14	9.65	
11	Ditch Irrigation	18	ai	25.00	0.00	6.17	0.00	13.83	0.00	45.00	
12	Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
Total for Field Operations				54.57	8.55	21.50	15.01	51.87	17.87	169.37	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Alfalfa w/Inoculant	Seed	3	100%	12 pound	6.00	72.00	
Oats	Seed	3	100%	0.5 bushel	9.00	4.50	
Mustang Maxx	Insecticide	5	20%	3 ounce	1.48	0.89	
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	
Brox 2EC	Herbicide	12	100%	1 pint	5.88	5.88	
Raptor	Herbicide	12	100%	4 ounce	4.69	18.75	
Crop Oil Concentrate	Additive	12	100%	1.6 pint	1.25	2.00	
UAN	Additive	12	100%	2 pint	0.16	0.31	
Total Materials & Services						163.60	

Total listed costs for Field Operations and Materials and Services						332.97	
Interest on Operations Capital \$ 263.23	cash expense @	5.50%	for 6.0 mo.			7.24	
Total Operating and Use Related Ownership Costs						340.21	
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00	
Real Estate Opportunity [^]	Gravity (Panhandle)	\$ 2,135	per acre @	3.00%		64.05	
Real Estate Taxes		\$ 2,135	per acre @	1.25%		26.69	
Total Cost per Acre Including Overhead						455.95	
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.					128.86	
Cost of production per ton						182.38	

**2021 Budget 9-Alfalfa, Large Round Bales, 4.4 ton Yield
Dryland**

Field Operations		Times or Qty	Labor @ Unit \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1	1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2	Swath/Condition Hay	4	10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3	Turn Windrows	1	2.08	0.30	0.96	0.17	2.83	0.47	6.81	
4	Double Windrows	3	4.13	0.55	1.73	0.26	5.09	1.78	13.54	
5	Bale Large Round	4.4	ton	10.08	1.82	4.24	4.26	12.43	5.68	38.51
6	Move Large Round	4.4	ton	5.76	1.45	2.42	0.00	7.10	0.25	16.98
7	Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04
Total for Field Operations			34.26	8.12	20.80	17.03	39.29	16.39	135.89	
Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate			
11-52-0	Fertilizer	1	100%	50 pound	0.27	13.50				
Twine Large Round	Other	5	100%	4.4 ton	0.91	4.00				
Mustang Maxx	Insecticide	7	25%	3 ounce	1.48	1.11				
Total Materials & Services						18.61				
Total listed costs for Field Operations and Materials and Services						154.50				
Interest on Operations Capital \$ 98.82 cash expense @ 5.50% for 6.0 mo.						2.72				
Total Operating and Use Related Ownership Costs						157.22				
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00				
Real Estate Opportunity [^]	Dryland (State)	\$	3,165	per acre @	3.00%	94.95				
Real Estate Taxes		\$	3,165	per acre @	1.25%	39.56				
Total Cost per Acre Including Overhead						316.73				
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.						37.75			
Cost of production per ton							71.98			

**2021 Budget 10-Alfalfa, Large and Small Square Bales, 6.7 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	4		10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3 Turn Windrows	1		2.08	0.30	0.96	0.17	2.83	0.47	6.81	
4 Double Windrows	4		5.50	0.73	2.31	0.35	6.78	2.37	18.04	
5 Bale Large Square	4.5	ton	7.23	2.80	3.03	2.87	8.91	30.81	55.65	
6 Load Large Square	Custom	ton								
7 Bale Small Square	2.2	ton	15.35	3.37	6.45	9.98	18.93	2.31	56.39	
8 Load Small Square	2.2	ton	5.58	0.77	2.58	0.64	7.57	0.92	18.06	
9 Pivot E 125' Lift	16	ai	13.89	45.61	4.68	27.67	8.20	15.19	115.24	
10 Spray Herbicide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
11 Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
Total for Field Operations			62.08	57.61	31.55	54.17	65.32	60.55	331.28	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	100%	4.467 ton	1.81	8.07	
Load Large Square Bales	Custom	6	100%	4.467 ton	2.94	13.12	
Twine Small Square	Other	7	100%	2.233 ton	2.33	5.21	
Electricity Fixed	Other	9	100%	1 acre	30.00	30.00	
Brox 2EC	Herbicide	10	25%	1 pint	5.88	1.47	
Pursuit	Herbicide	10	25%	3 ounce	3.59	2.70	
Crop Oil Concentrate	Additive	10	25%	1.6 pint	1.25	0.50	
UAN	Additive	10	25%	2 pint	0.16	0.08	
Mustang Maxx	Insecticide	11	25%	3 ounce	1.48	1.11	
Total Materials & Services						82.51	

Total listed costs for Field Operations and Materials and Services						413.79	
Interest on Operations Capital \$ 287.92	cash expense @	5.50%	for 6.0 mo.			7.92	
Total Operating and Use Related Ownership Costs						421.71	
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00	
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%		183.75	
Real Estate Taxes		\$ 6,125	per acre @	1.25%		76.56	
Total Cost per Acre Including Overhead						707.02	
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.					59.31	
Cost of production per ton						105.53	

**2021 Budget 11-Alfalfa, Roundup Ready®, Large and Small Square Bales, 6.8 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	4		10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3 Turn Windrows	1		2.08	0.30	0.96	0.17	2.83	0.47	6.81	
4 Double Windrows	4		5.50	0.73	2.31	0.35	6.78	2.37	18.04	
5 Bale Large Square	4.5	ton	7.33	2.85	3.08	2.91	9.04	31.27	56.48	
6 Load Large Square	Custom	ton								
7 Bale Small Square	2.3	ton	15.58	3.42	6.55	10.13	19.21	2.34	57.23	
8 Load Small Square	2.3	ton	5.67	0.78	2.62	0.65	7.69	0.94	18.35	
9 Pivot E 125' Lift	16	ai	13.89	45.61	4.68	27.67	8.20	15.19	115.24	
10 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
11 Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
Total for Field Operations			63.21	57.83	32.00	54.82	66.62	61.87	336.35	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	100%	4.53 ton	1.81	8.19	
Load Large Square Bales	Custom	6	100%	4.53 ton	2.94	13.31	
Twine Small Square	Other	7	100%	2.27 ton	2.33	5.29	
Electricity Fixed	Other	9	100%	1 acre	30.00	30.00	
Brox 2EC	Herbicide	10	100%	1 pint	5.88	5.88	
Roundup WeatherMax	Herbicide	10	100%	44 ounce	0.23	10.31	
21-0-0-24S	Additive	10	100%	1.7 pound	0.31	0.53	
Mustang Maxx	Insecticide	11	25%	3 ounce	1.48	1.11	
Total Materials & Services						96.22	

Total listed costs for Field Operations and Materials and Services						432.57
Interest on Operations Capital \$ 304.08	cash expense @	5.50%	for 6.0 mo.			8.36
Total Operating and Use Related Ownership Costs						440.93
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00
Real Estate Opportunity [^]	Pivot (State)	\$ 6,125	per acre @	3.00%		183.75
Real Estate Taxes		\$ 6,125	per acre @	1.25%		76.56
Total Cost per Acre Including Overhead						726.24
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.					60.88
Cost of production per ton						106.80

**2021 Budget 12-Alfalfa, Panhandle, Large and Small Square Bales, 6.6 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	4		10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3 Bale Large Square	4.4	ton	7.12	2.76	2.99	2.82	8.78	30.35	54.82	
4 Load Large Square	Custom	ton								
5 Bale Small Square	2.2	ton	15.13	3.32	6.35	9.83	18.65	2.27	55.55	
6 Load Small Square	2.2	ton	5.50	0.76	2.54	0.63	7.46	0.91	17.80	
7 Pivot E 125' Lift	16	ai	13.89	45.61	4.68	27.67	8.20	15.19	115.24	
8 Spray Herbicide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
9 Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
Total for Field Operations			54.09	56.48	28.10	53.44	55.19	57.20	304.50	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	3	100%	4.4 ton	1.81	7.95	
Load Large Square Bales	Custom	4	100%	4.4 ton	2.94	12.92	
Twine Small Square	Other	5	100%	2.2 ton	2.33	5.13	
Electricity Fixed	Other	7	100%	1 acre	30.00	30.00	
Velpar 75DF	Herbicide	8	25%	0.66 pound	40.00	6.60	
Mustang Maxx	Insecticide	9	25%	3 ounce	1.48	1.11	
Total Materials & Services						83.96	

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 276.07	cash expense @	5.50%	for 6.0 mo.	388.46
				7.59
Total Operating and Use Related Ownership Costs				396.05

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

Real Estate Opportunity [^]	Pivot (Panhandle)	\$ 2,460	per acre @	3.00%	73.80
Real Estate Taxes		\$ 2,460	per acre @	1.25%	30.75
Total Cost per Acre Including Overhead					525.60

Cash Cost per ton

[^]Ownership and RE Opportunity not included in cash costs. 51.43

Cost of production per ton 79.64

**2021 Budget 13-Alfalfa, Large Square Bales, 6.6 ton Yield
Gravity Irrigated, fed by canal, 22 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	4		10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3 Turn Windrows	1		2.08	0.30	0.96	0.17	2.83	0.47	6.81	
4 Double Windrows	4		5.50	0.73	2.31	0.35	6.78	2.37	18.04	
5 Bale Large Square	6.6		10.68	4.14	4.48	4.24	13.16	45.52	82.22	
6 Load Large Square	Custom									
7 Corrugate	1		3.92	1.08	1.65	0.90	4.83	5.05	17.43	
8 Ditch Irrigation	22	ai	30.56						30.56	
9 Spray Herbicide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
10 Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
Total for Field Operations			65.19	10.28	20.94	18.15	39.70	61.89	216.15	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	100%	6.6 ton	1.81	11.92	
Load Large Square Bales	Custom	6	100%	6.6 ton	2.94	19.38	
Irrigation District O&M Charge	Other	8	100%	1 acre	30.00	30.00	
Brox 2EC	Herbicide	9	25%	1 pint	5.88	1.47	
Pursuit	Herbicide	9	25%	3 ounce	3.59	2.70	
Crop Oil Concentrate	Additive	9	25%	1.6 pint	1.25	0.50	
UAN	Additive	9	25%	2 pint	0.16	0.08	
Mustang Maxx	Insecticide	10	25%	3 ounce	1.48	1.11	
	Crop Insurance				N/A	0.00	
Total Materials & Services						87.41	

Total listed costs for Field Operations and Materials and Services						303.56
Interest on Operations Capital \$ 201.97	cash expense @	5.50%	for 6.0 mo.			5.55
Total Operating and Use Related Ownership Costs						309.11
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00
Real Estate Opportunity [^]	Gravity (State)	\$ 5,755	per acre @	3.00%		172.65
Real Estate Taxes		\$ 5,755	per acre @	1.25%		71.94
Total Cost per Acre Including Overhead						578.70
Cash Cost per ton	[^] Ownership and RE Opportunity not included in cash costs.					46.13
Cost of production per ton						87.68

**2021 Budget 14-Alfalfa, Roundup Ready®, Large Square Bales, 6.8 ton Yield
Gravity Irrigated, fed by canal, 14 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership [^]		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	0.52	0.91	0.00	2.67	0.00	6.07	
2 Swath/Condition Hay	4		10.00	3.45	10.45	12.19	8.91	7.94	52.94	
3 Turn Windrows	1		2.08	0.30	0.96	0.17	2.83	0.47	6.81	
4 Double Windrows	4		5.50	0.73	2.31	0.35	6.78	2.37	18.04	
5 Bale Large Square	6.8		11.00	4.27	4.62	4.36	13.56	46.90	84.71	
6 Load Large Square	Custom									
7 Corrugate	1		3.92	1.08	1.65	0.90	4.83	5.05	17.43	
8 Ditch Irrigation	14	ai	19.44						19.44	
9 Spray Herbicide	1		0.95	0.14	0.35	0.60	1.03	1.08	4.15	
10 Spray Insecticide	0.25		0.24	0.03	0.09	0.15	0.26	0.27	1.04	
Total for Field Operations			55.10	10.52	21.34	18.72	40.87	64.08	210.63	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	100%	6.8 ton	1.81	12.28	
Load Large Square Bales	Custom	6	100%	6.8 ton	2.94	19.97	
Irrigation District O&M Charge	Other	8	100%	1 acre	30.00	30.00	
Brox 2EC	Herbicide	9	100%	1 pint	5.88	5.88	
Roundup WeatherMax	Herbicide	9	100%	44 ounce	0.23	10.31	
21-0-0-24S	Additive	9	100%	1.7 pound	0.31	0.53	
Mustang Maxx	Insecticide	10	25%	3 ounce	1.48	1.11	
Crop Insurance					N/A	0.00	
Total Materials & Services						101.68	

Total listed costs for Field Operations and Materials and Services						312.31	
Interest on Operations Capital \$ 207.36 cash expense @ 5.50% for 6.0 mo.						5.70	
Total Operating and Use Related Ownership Costs						318.01	
Overhead (accounting, liability insurance, vehicle cost, office expense)						25.00	
Real Estate Opportunity [^]	Gravity (State)	\$	5,755	per acre @	3.00%	172.65	
Real Estate Taxes		\$	5,755	per acre @	1.25%	71.94	
Total Cost per Acre Including Overhead						587.60	
Cash Cost per ton						45.59	
Cost of production per ton						86.41	

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