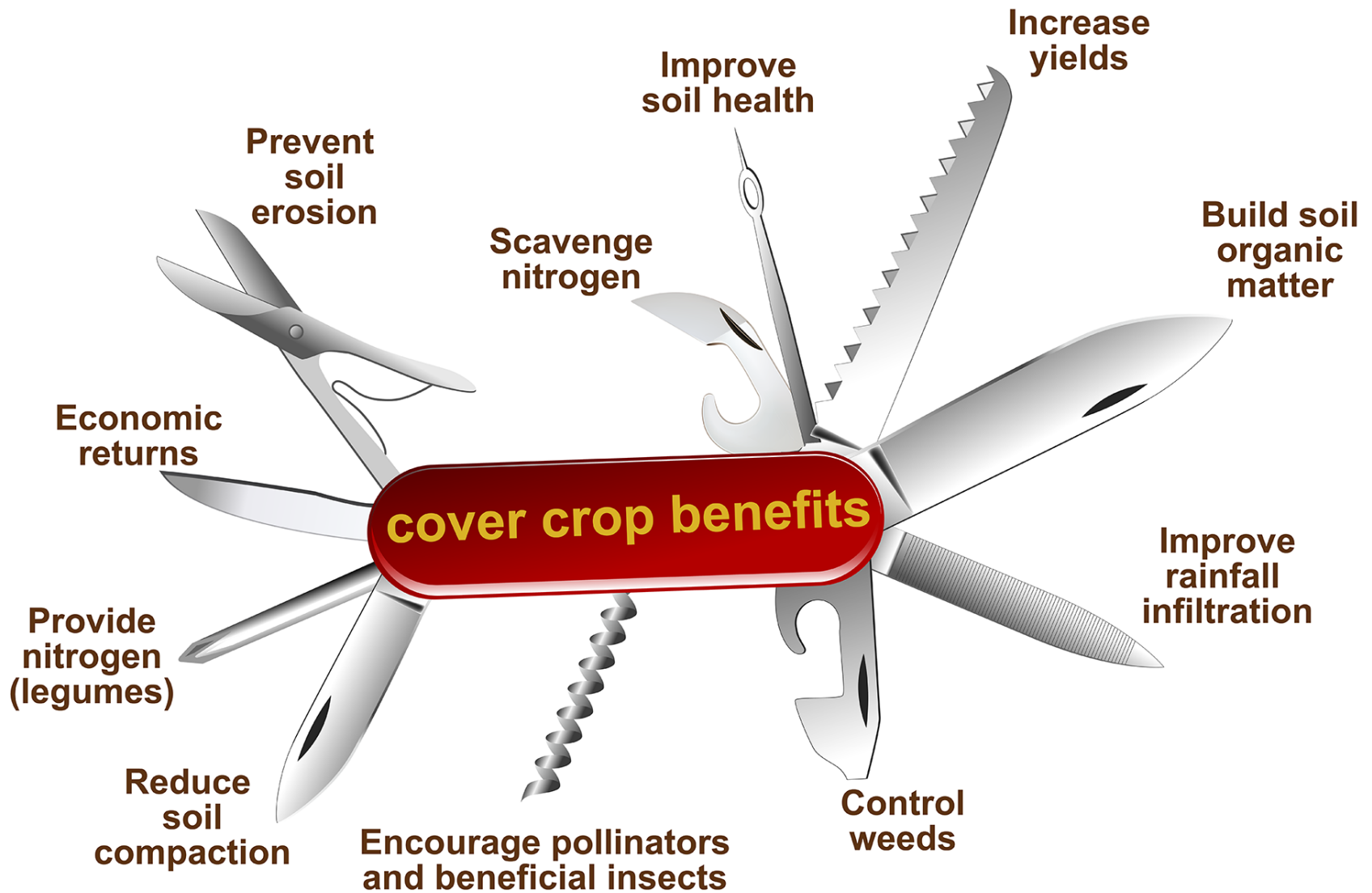


How to Design Cover Crop Mixes for Improving Soil Health

Keith Berns



- **Farm 2500 acres in Nebraska**
- **75 million pounds of cover crop seed mixed (last 5 years)**
- **Majority in diverse mixes (more than 4 species – with over 100 species to choose from)**
- **100% custom mixed per customer order**
- **Ship to all 50 states**





There Is Great Power In Diversity!

- Natural systems have huge diversity**
- Most of our cropping systems do not**
- Cover crops should have as much diversity as practical**



**Weeds and diseases are
nature's way of adding
diversity to a system which
lacks diversity.**



**Dr. Dwayne
Beck**

**Nature's efforts to add
diversity can be countered
by adding beneficial
diversity to the system.**

Dr. Dwayne



**Most farmers will find it
difficult to get enough
diversity in their “cash
crop” rotation....**

Corn, Corn, Corn

Corn, Beans

Corn, Beans, Wheat

_____, _____, _____

**So one of the best ways to
introduce more diversity is
through cover crop mixes....**

**Cover Crops are the perfect
opportunity to have great plant
diversity (above ground and below
ground) without needing
specialized equipment, knowledge,
or markets.**

Why Diverse Cover Crop Mixes?

1. If Soil Health is the goal, Crop Diversity cannot be ignored or overstated
2. Plants were created to grow in diverse ecosystems
3. *Resilience* comes from *Diversity*
4. Balanced “diet” for soil biology
5. Balance: because even good things (legumes, brassicas) when not used in moderated balance can be harmful

Get 4 Things Right

1. The Right Species
2. The Right Inoculants
3. The Right Seeding Rates
4. The Right Seeding Time

Answer 4 Main Questions

- 1. What Are The Goals/Concerns?**
- 2. What Are The Environmentals?**
- 3. What Is The Timeframe?**
- 4. What Is The Budget?**

What are your Goals/Resource Concerns?

- 1. Soil health – biological life**
- 2. Supplemental grazing**
- 3. Increased fertility/organic matter**
- 4. Nitrogen capture/cycling**
- 5. Additional lasting residue/cover**
- 6. Weed suppression/disease cycle**
- 7. Erosion control**
- 8. Compaction breaking/deep roots**

What are your environmentals?

- 1. Rainfall or irrigation**
- 2. Evapo-Transpiration (ET)**
- 3. Growing season**
- 4. Soil type and condition**
- 5. Seeding method**
- 6. Previous crop and next crop**
- 7. Previous herbicides**

What is your timeframe?

- 1. Spring** - fallow ground or prior to a spring crop
(chemical/mechanical termination)
- 2. Early Summer** - Right after summer harvest
(frost or chemical/mech. termination)
- 3. Late Summer** – After late summer harvest
(frost termination or over wintering)
- 4. Fall** - After fall crops
(over-wintering)

What is your budget?

1. Low

(Low seeding rates – very few legumes)

2. Medium

(Average seeding rates – some legumes)

3. High

(High seeding rates – high legume %)

4. Higher

**(special use: organic N production,
nematode control, perennials, etc...)**

What are your goals/resource concerns?

Generally speaking....

- 1. The more specific your goals/concerns, the less diverse your mixes will typically be.**
- 2. The tighter your planting windows, the fewer species will work and thus the less diverse your mixes will be.**

Where are you located?
 What rainfall zone are you in? (Avg Inch/Yr)
 What maturity stage will the cover crop achieve?
 How will this crop be seeded?

North of I80
 27
 Full Maturity
 Drilled



Cover Crop Mix Potential Ratings (scale of 1-10)											
C:N Ratio	Nitrogen Fix	Grazing	Drought	Frost	Winter	Diversity	Salinity				
38	3.9	5.5	3.3	9.0	4.7	7.8	8.2				
Use the yellow areas to select your species and your seeding rate per acre. Use the drop down boxes to select the species you want to include											
Type	Full Rate	lbs per acre	% full rate	% by wt	% by # seed	Effect %	Seeds/lb	Seeds per acre	Cost per lb	Seed Cost/acr	
TOTALS		58	133%					#####		\$22.06	
Legumes		17		29%	12%	21%				\$8.85	
Spring Forage Peas- 4010	CS-B	62	10	16%	17%	3%	10%	3,200	32,000	\$0.38	\$3.80
Common Vetch	CS-B	26	3	12%	5%	2%	4%	8,000	24,000	\$0.95	\$2.85
Spring Lentils - small red	CS-B	19	4	21%	7%	7%	7%	21,322	85,288	\$0.55	\$2.20
Grasses				62%	44%	53%				\$8.76	
Spring Oats - VNS	CS-G	104	12	12%	21%	15%	18%	15,000	180,000	\$0.27	\$3.24
Spring Forage Barley	CS-G	104	12	12%	21%	13%	17%	13,000	156,000	\$0.24	\$2.88
Triticale - Spring VNS	CS-G	83	12	14%	21%	15%	18%	15,000	180,000	\$0.22	\$2.64
Brassicas				3%	29%	16%				\$2.60	
Turnip (purple top)	CS-B	6	1	16%	2%	14%	8%	170,000	170,000	\$1.60	\$1.60
Rapeseed - Trophy	CS-B	6	1	16%	2%	15%	8%	175,000	175,000	\$1.00	\$1.00
Other Broadleaves				5%	15%	10%				\$1.85	
Flax - "Shelby"	CS-B	31	2	6%	3%	14%	9%	80,000	160,000	\$0.50	\$1.00
Safflower- Baldy spineless	WS-B	12	1	8%	2%	1%	1%	15,000	15,000	\$0.85	\$0.85
Inoculant		Xrate	0	Full	Half	0.75x	1.5x	2x	per oz	\$0.00	
Inoculant, Mixing and Bagging Cost/acre	4.93			Seed Cost/acre:	\$22.06	Total Cost per Acre:		\$26.99			
Name:	Brent Johnson			Phone:	0		E-mail	0			
Address:	0			City, State, Zip:			#N/A				
Mix:	0			Acres to plant:			112.00				
Date:	1/20/18			Total Pounds of Green Cover SmartMix Needed:						6,496	
				Total Seed Cost of Green Cover SmartMix:						\$2,470.72	
Bulk, Totes or 50# Sack?	Tote Bags			Inoculant cost (estimate per pound):			\$0.04	(subtotal):	\$227.36		
				Mixing cost (per pound):			\$0.05	(subtotal):	\$324.80		
				Bagging cost (per pound)			\$0.00	(subtotal):	\$0.00		
Inoculant Mixed In?	Yes			Shipping cost estimate (per pound):			\$0.000	(subtotal):	\$0.00		
				Total Cost with estimated shipping:						\$3,022.88	

How to Design Cover Crop Mixes

SMARTmix™

Zip: 81425 - PHZ: 6b - Frost Free: 05/01 - 10/08 - Avg Annual Precip: 12.82"

Growing Period: 07/15/2014 - 11/11/2014 - (121 days) - GDD: 1,820 - Projected Rain: 9.84"

1 Increase Soil Organic Matter 2 Weed Suppression 3 Erosion Reduction

Acres: 100

lbs/acre: 19

Total lbs: 1900 lbs

Full Rate: 88%

Seeds/acre: 279,500

Species: 6

C:N Ratio	Nitrogen Fix	Grazing	Drought	Frost	Winter	Diversity	Salinity
31	2.8	5.6	8.8	1.2	1.2	6.0	2.3

	Pound	Acre	Total
	\$0.97	\$18.50	\$1850.00
	\$0.033	\$0.62	\$61.75
Planting Cost ?	\$0.07	\$1.33	\$133.00
Bagging Cost ?	\$0.05	\$0.95	\$95.00
Total Cost	\$1.13	\$21.40	\$2139.75

Legumes

Add +

Cowpea 85.25	5	lbs	🗑
Mung Bean 85.25	5	lbs	🗑

Legume Total: 52% 43% 47% \$9.90

Type	Full Rate	% Full Rate	% Wt	% Seeds	% Effect	Seeds/lb	Seeds/Acre	Cost/lb	Cost/Acre
WS-B	50	10%	26%	7%	16%	4,100	20,500	\$0.88	\$4.40
WS-B	20	25%	26%	35%	30%	20,000	100,000	\$1.10	\$5.50

Grasses

Add +

Sorghum Sudan 85	5	lbs	🗑
------------------	---	-----	---

Grass Total: 26% 32% 29% \$4.00

Type	Full Rate	% Full Rate	% Wt	% Seeds	% Effect	Seeds/lb	Seeds/Acre	Cost/lb	Cost/Acre
WS-G	25	20%	26%	32%	29%	18,000	90,000	\$0.80	\$4.00

Brassicas

Add +

Nitro Radish 69.75	1	lbs	🗑
--------------------	---	-----	---

Brassica Total: 5% 8% 6% \$2.50

Type	Full Rate	% Full Rate	% Wt	% Seeds	% Effect	Seeds/lb	Seeds/Acre	Cost/lb	Cost/Acre
CS-B	8	13%	5%	8%	6%	25,000	25,000	\$2.50	\$2.50

Broadleaves

Add +

Buckwheat 94	2	lbs	🗑
Sunflower 90.75	1	lbs	🗑

DELETE SPECIES

Broadleaf Total: 16% 15% 15% \$2.10

Type	Full Rate	% Full Rate	% Wt	% Seeds	% Effect	Seeds/lb	Seeds/Acre	Cost/lb	Cost/Acre
WS-B	30	7%	11%	12%	11%	18,000	36,000	\$0.75	\$1.50
WS-B	8	13%	5%	2%	3%	8,000	8,000	\$0.60	\$0.60

Previous

Next

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SOUTHERN SOIL
HEALTH
CONFERENCE
NOV 28-29TH,
WICHITA FALLS, TX

LEGUME

Cover crop species with perennial, biennial and annual alternatives. Known for its ability to biologically fix nitrogen into the soil and attract beneficial insects.

BRASSICA

Annual cover crops typically planted in winter or spring. Characterized by rapid fall growth, great biomass production, and nutrient scavenging ability.

GRASS

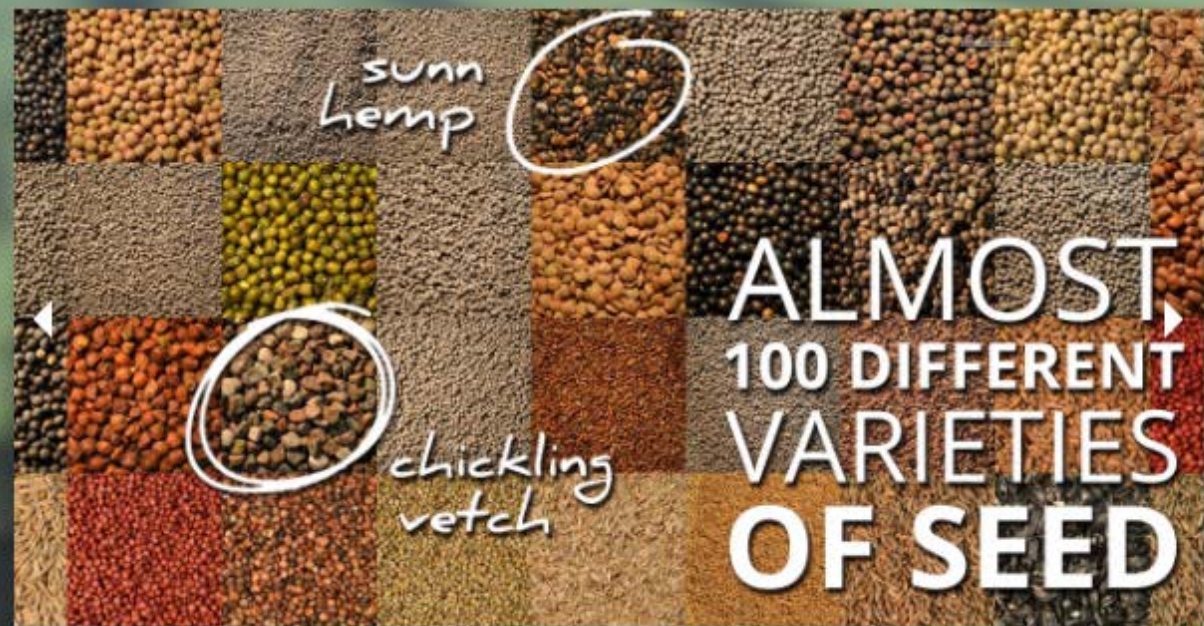
Annual and perennial cover crops useful for their extensive root systems, nutrient scavenging, quick plant establishment and ability to reduce soil erosion.

Welcome to SmartMix

Login to Start a Mix

- or -

Try as a guest



What is SmartMix?

The smartest mix of cover crops for **your field** is the one that you custom design for **your field**! That is the premise behind Green Cover Seed's powerful SmartMix Calculator 4.0. You choose your goals, we help you select the cover crops that meet the goals and we custom mix it just for you!

SmartMix is unique within the industry, with immediate feedback on price and goal fulfillment along with a suite of mix attributes, Powerful, Instructional, Interactive, and Visual, SmartMix 4.0 can help you make the smartest mix for your fields

Start a Mix

Hello, Bladen, NE!

Based on your zipcode of: 68928, the average annual rainfall is 26.73". For your area, the First Frost is around 10/03, the Last Frost is around 04/30 and the Plant Hardiness Zone (PHZ) is 5b.

Details

Name Your Mix:

Acres to Plant:

Zipcode:

Bagging Option:

☐ Tote ☐ 50 lb bags ☐ Bulk

New!

Irrigation:

applied inches

Seeding Method:

-- Select --

Seeding Date:



12/12/2017

Next Cash Crop:

-- Select --

Termination Date:



Choose Date

Goals

Goal 1 (High Priority) Required

-- Select --

Goal 2 (Medium Priority)

-- Select --

Goal 3 (Low Priority)

-- Select --

Fast Mix

Next

Start a Mix

Hello, Ames, IA!

Based on your zipcode of: 50010, the average annual rainfall is 36.30". For your area, the First Frost is around 10/03, the Last Frost is around 04/24 and the Plant Hardiness Zone (PHZ) is 5a.

Details

Name Your Mix:



Acres to Plant:

Zipcode:

Bagging Option:



Tote



50 lb bags



Bulk

New!

Irrigation:

applied inches

Seeding Method:

-- Select --



Seeding Date:



01/19/2018

Next Cash Crop:

-- Select --



Termination Date:



Choose Date

Goals

Goal 1 (High Priority) Required

-- Select --



Goal 2 (Medium Priority)

-- Select --



Goal 3 (Low Priority)

-- Select --



Hello, Ames, IA!

Based on your zipcode of: 50010, the average annual rainfall is 36.30". For your area, the First Frost is around 10/03, the Last Frost is around 04/24 and the Plant Hardiness Zone (PHZ) is 5a.

Details

Name Your Mix: 

Bagging Option: ☒ Tote ☐ 50 lb bags ☐ Bulk

Seeding Method:

-- Select --

Drilled

Next Cash Crop:

Broadcast

Acres to Plant:


Minimum
of 1
acre is
required


Zipcode:

New!

Irrigation:

applied inches

Seeding Date: 

Termination Date: 

We need to know when you are planning to
terminate the mix. Must be after seeding date.

ix Calculator

Fishb

Minneapolis, MN 10-D

Bloomington, Minneso

Hampton Inn & Suites

https://smartmix.greenco

count

Start a Mix

Hello, Ames,

Based on your zipcode of:

Plant Hardiness Zone (PHZ)

Details

Name Your Mix:

Bagging Option:

Seeding Method:

Next Cash Crop:

-- Select --

Corn

Milo

Cotton

Potatoes

Wheat

Oats

Barley

Rye

Sunflowers

Safflower

Soybeans

Peas

Other Legumes

Other Warm Season Grass

Other Cereal

Next cash crop is required

area, the First Frost is around 10/03, the Last Frost is around 04/24 and the

Acres to Plant:

Zipcode:

50010

Minimum of 1 acre is required

New!

Irrigation:

0

applied inches

Seeding Date:

01/19/2018

Termination Date:

Choose Date

We need to know when you are planning to terminate the mix. Must be after seeding date.

Hello, Ames, IA!

Based on your zipcode of: 50010, the average annual rainfall is 36.30". For your area, the First Frost is around 10/03, the Last Frost is around 04/24 and the Plant Hardiness Zone (PHZ) is 5a.

Details

Name Your Mix:

PFI Mix

Acres to Plant:

160

Zipcode:

50010

Bagging Option:

☒ Tote ☐ 50 lb bags ☐ Bulk

New!

Irrigation:

0

applied inches

Seeding Method:

Drilled

Seeding Date:



07/02/2018

Next Cash Crop:

Corn

Termination Date:



11/30/2018

Your selected growing period will last 151 days. It will also contain 1,888.65 base 50 growing degree days and 3,073.65 base 40 growing degree days.

Details

Name Your Mix: PFI Mix

Bagging Option: ☒ Tote ☐ 50 lb bags

Seeding Method: Drilled

Next Cash Crop: Corn

-- Select --

Increase Soil Organic Matter

Erosion Reduction

Nutrient Cycling

Nitrogen Fixation

Provide Lasting Residue

Weed Suppression

Compaction Breaking

Supplemental Grazing

Supplemental Hay

Diversify Introduced Perennial Pasture

Attract Beneficial Insects

Salinity Tolerance

Mycorrhizal Fungi Growth

Nematode Control

-- Select --

t: 160 Zipcode: 50010

n: 0 applied inches

e: 07/02/2018

e: 11/30/2018

Your selected growing period will last 151 days. It will be 151 days and 3,073.65 base 40 growing degree days.

Goals

Goal 1 (High Priority) Required

Supplemental Grazing

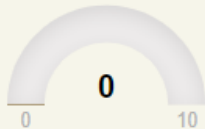
Goal 3 (Low Priority)

-- Select --

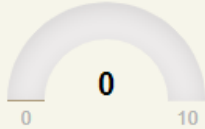


Add	Legumes	Totals:	0%	0%	0%	\$0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
Add	Grasses	Totals:	0%	0%	0%	\$0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
Add	Brassicas	Totals:	0%	0%	0%	\$0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
Add	Broadleaves	Totals:	0%	0%	0%	\$0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre

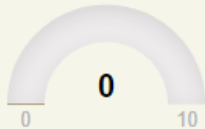
Supplemental Grazing



Increase Soil Organic Matter

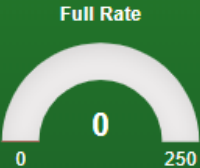


Mycorrhizal Fungi Growth



Summary

Pounds/Acre: 0
Seeds/Acre: 0
Species: 0
Total Pounds: 0



New!

☐ Enable SmartMix Auto Adjust

160

Acres

	Pound	Acre	Total
Seed Cost	\$0.00	\$0.00	\$0.00
Inoculant Cost	\$0.00	\$0.00	\$0.00
Mixing Cost	\$0.00	\$0.00	\$0.00
Bagging Cost	\$0.00	\$0.00	\$0.00
Total Cost	\$0.00	\$0.00	\$0.00



Add

Legumes

Totals:

0%

0%

0%

\$0.00

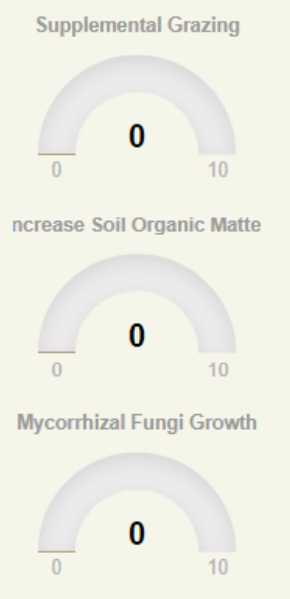
Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
Choose...	-	-	-	-	-	-
Choose...	0%	0%	0%			\$0.00
Excellent						
Sunn Hemp:VNS 86.5	0%	0%	0%			\$0.00
Black Cowpeas 85 (sold out)	0%	0%	0%			\$0.00
Cowpeas: Iron & Clay 85	0%	0%	0%			\$0.00
Red Ripper Cowpea 85						
Good						
Mung Beans:VNS 82.5						
Berseem Clover: Frosty 81						
Yellow Clover: Yellow Sweet Clover "OMRI" 81						
Berseem Clover: Balady "OMRI" 81						
Non GMO Soybeans - Grp. 5 Hutchisons 79.5						
Guar:Kinman 78.5						

New!

☐ Enable SmartMix Auto Adjust

160

Acres



Sum

Pos

S

Tot

160

Acres

	Pound	Acre	Total
Seed Cost	\$0.00	\$0.00	\$0.00
Inoculant Cost	\$0.00	\$0.00	\$0.00
Mixing Cost	\$0.00	\$0.00	\$0.00
Bagging Cost	\$0.00	\$0.00	\$0.00
Total Cost	\$0.00	\$0.00	\$0.00

Add Species

You have chosen to add **Sunn Hemp:VNS** which is a **WS-B Legume** and has a suggested full seeding rate of **22 pounds per acre**.

How many pounds of Sunn Hemp:VNS would you like to apply per acre?

Add

☐ Don't show this popup again and let SmartMix auto adjust the seeding rates for this mix

Summary

Pounds/Acre: 0

Seeds/Acre: 0

Species: 0

Total Pounds: 0

Full Rate



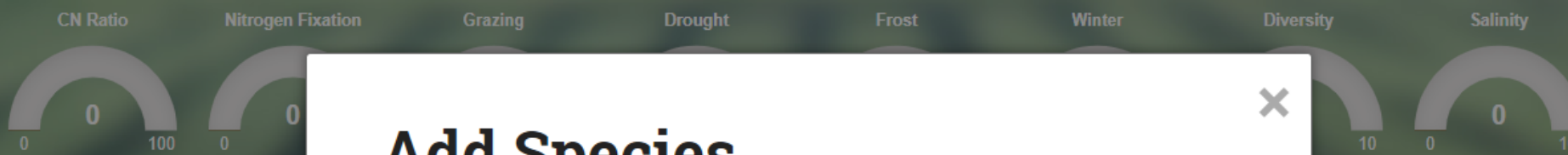
New!

☐ Enable SmartMix Auto Adjust

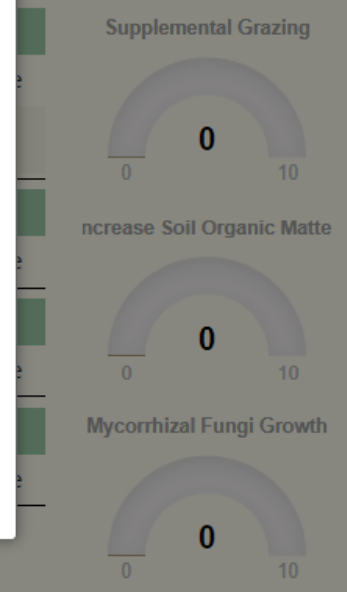
160

Acres

	Pound	Acre	Total
Seed Cost	\$0.00	\$0.00	\$0.00
Inoculant Cost	\$0.00	\$0.00	\$0.00
Mixing Cost	\$0.00	\$0.00	\$0.00
Bagging Cost	\$0.00	\$0.00	\$0.00
Total Cost	\$0.00	\$0.00	\$0.00



- Legumes**
- ☒ Sunn Hemp:VNS 86.5
- Grasses**
- Brassicas**
- Broadleaves**



Add Species

You have chosen to add **Sunn Hemp:VNS** which is a **WS-B Legume** and has a suggested full seeding rate of **22 pounds per acre**.

How many pounds of Sunn Hemp:VNS would you like to apply per acre?

Checking this box will enable SmartMix auto adjust. This means you will no longer be asked to input pounds per acre for each species. SmartMix will do that for you based on your selections.

Note: You can always disable SmartMix auto adjust in the green

☐ Don't show this popup again and let SmartMix auto adjust the seeding rates for this mix

Summary

Pounds/Acre: 0
Seeds/Acre: 0
Species: 0
Total Pounds: 0



☐ Enable SmartMix Auto Adjust

Acres

	Pound	Acre	Total
Seed Cost	\$0.00	\$0.00	\$0.00
Inoculant Cost	\$0.00	\$0.00	\$0.00
Mixing Cost	\$0.00	\$0.00	\$0.00
Bagging Cost	\$0.00	\$0.00	\$0.00
Total Cost	\$0.00	\$0.00	\$0.00

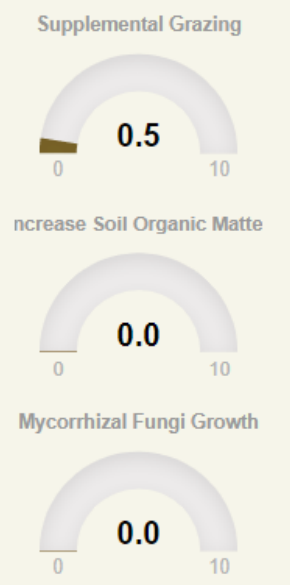


<div>Add</div> <div>Legumes</div>		Totals:		9%	100%	100%	\$ 3.10				
Rates: Full Mix		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre			
✖	Sunn Hemp:VNS 86.5	<div>i</div>	22	2.00	WS-B	9%	100%	100%	15,000.00	\$ 1.55	\$ 3.10

<div>Add</div> <div>Grasses</div>		Totals:		0%	0%	0%	\$ 0.00			
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		

<div>Add</div> <div>Brassicas</div>		Totals:		0%	0%	0%	\$ 0.00			
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		

<div>Add</div> <div>Broadleaves</div>		Totals:		0%	0%	0%	\$ 0.00			
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		



Summary

Pounds/Acre: 2.00

Seeds/Acre: 30,000.00

Species: 1.00

Total Pounds: 320.00

Full Rate

9

0250

New!

☐ Enable SmartMix Auto Adjust

160

Acres

	Pound	Acre	Total
Seed Cost	\$ 1.55	\$ 3.10	\$ 496.00
Inoculant Cost	\$ 0.065	\$ 0.13	\$ 20.80
Mixing Cost	\$ 0.10	\$ 0.20	\$ 32.00
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.72	\$ 3.43	\$ 548.80



Sunn Hemp:VNS

WS-B 15000 seeds/lb

[More Info](#)

<div>Add</div>		Legumes									



SUNN HEMP

Legume

\$4.38 per lb.

1

+

-

Add to cart

Bulk Discount Pricing

2 - 9 lbs.	10 - 19 lbs.	20 - 29 lbs.	30 - 39 lbs.	40 - 49 lbs.	50+ lbs.
\$3.94 / lb.	\$3.50 / lb.	\$3.07 / lb.	\$2.63 / lb.	\$2.19 / lb.	\$1.75 / lb.

Sunn Hemp's vigorous growth rate and nitrogen fixing capabilities make it an attractive cover crop to build residue, sequester nitrogen, suppress weeds and improve soil health. When planted as a summer annual it regularly produces 2.5 tons of biomass and 120 lbs N/acre. Sunn hemp is a tropical plant and requires a warm soil temperatures germination and when fall planted it needs at least 45 days to accumulate growth before the first frost.

Basic Info

Maturity	Seeds/lb	C/N Ratio	Growth Habit	Winter Hardiness
56-84 days	15,000	14-30	Upright	Zone 7

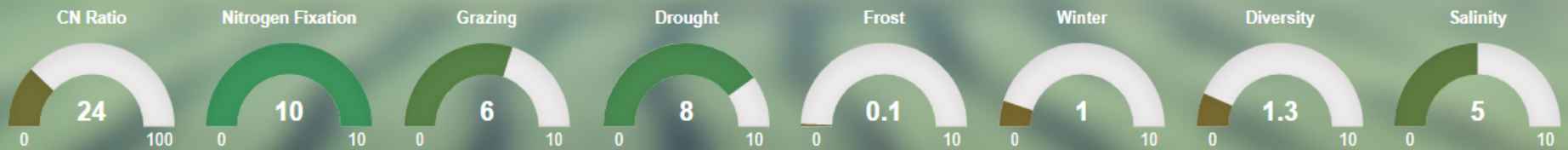
Use +

Advantages +

Disadvantages +

Planting +

Tolerance +



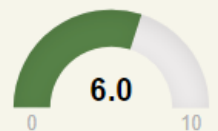
<div>Add</div> <div>Legumes</div>		Totals:		125%	100%	100%	\$ 42.63			
Rates: Full Mix		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		
✖	Sunn Hemp:VNS 86.5	<div>i</div> 22	27.50	WS-B	125%	100%	100%	15,000.00	\$ 1.55	\$ 42.63
✖	Choose...		1	-	-	-	-	-	-	

<div>Add</div> <div>Grasses</div>		Totals:		0%	0%	0%	\$ 0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre	

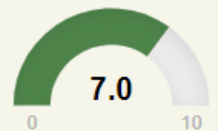
<div>Add</div> <div>Brassicas</div>		Totals:		0%	0%	0%	\$ 0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre	

<div>Add</div> <div>Broadleaves</div>		Totals:		0%	0%	0%	\$ 0.00		
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre	

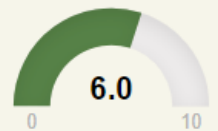
Supplemental Grazing



Increase Soil Organic Matter

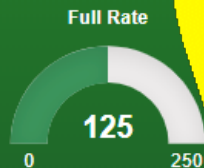


Mycorrhizal Fungi Growth



Summary

Pounds/Acre: 27.50
Seeds/Acre: 412,500.00
Species: 1.00
Total Pounds: 4,400.00



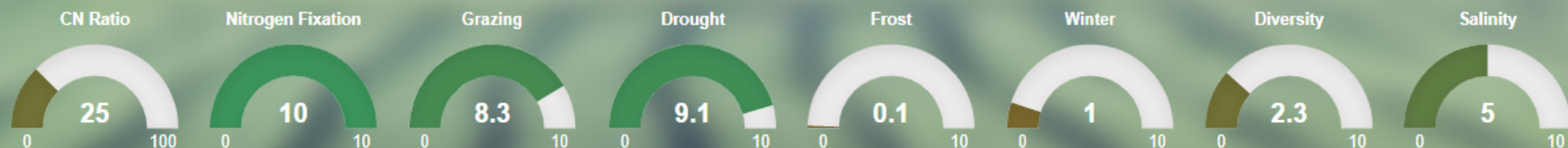
New!

☒ Enable SmartMix Auto Adjust

160

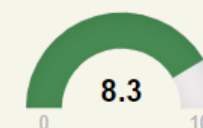
Acres

	Pound	Acre	Total
Seed Cost	\$ 1.55	\$ 42.63	\$ 6,820.00
Inoculant Cost	\$ 0.065	\$ 1.79	\$ 286.00
Mixing Cost	\$ 0.05	\$ 1.38	\$ 220.00
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.67	\$ 45.79	\$ 7,326.00

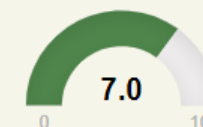


Add Legumes			Totals:		126%		100%		100%		\$ 52.58	
			Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Sunn Hemp:VNS 86.5		22	13.75	WS-B	63%	27%	57%	15,000.00	\$ 1.55	\$ 21.31	
✖	Cowpeas: Iron & Clay 85		61	38.13	WS-B	63%	73%	43%	4,100.00	\$ 0.82	\$ 31.27	
Add Grasses			Totals:		0%		0%		0%		\$ 0.00	
				Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		
Add Brassicas			Totals:		0%		0%		0%		\$ 0.00	
				Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		
Add Broadleaves			Totals:		0%		0%		0%		\$ 0.00	
				Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre		

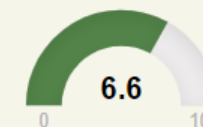
Supplemental Grazing



Increase Soil Organic Matter

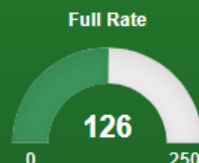


Mycorrhizal Fungi Growth



Summary

Pounds/Acre: 51.88
Seeds/Acre: 362,583.00
Species: 2.00
Total Pounds: 8,300.80



New!

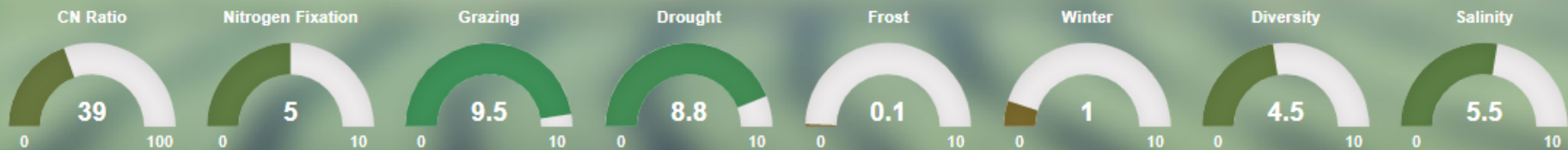
☒ Enable SmartMix Auto Adjust

160

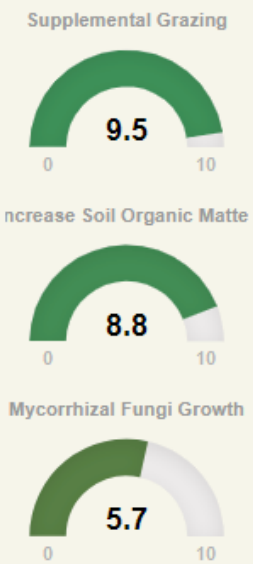


Acres

	Pound	Acre	Total
Seed Cost	\$ 1.01	\$ 52.58	\$ 8,412.66
Inoculant Cost	\$ 0.065	\$ 3.37	\$ 539.55
Mixing Cost	\$ 0.04	\$ 2.08	\$ 332.03
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.12	\$ 58.03	\$ 9,284.24



Add Legumes		Totals:		62%		67%		14%		\$ 26.29	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Sunn Hemp:VNS 86.5	i	22	6.88	WS-B	31%	18%	8%	15,000.00	\$ 1.55	\$ 10.66
✖	Cowpeas: Iron & Clay 85	i	61	19.06	WS-B	31%	49%	6%	4,100.00	\$ 0.82	\$ 15.63
Add Grasses		Totals:		62%		33%		86%		\$ 11.45	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Brachytic Dwarf BMR Sorg	i	24	7.50	WS-G	31%	19%	10%	18,000.00	\$ 1.15	\$ 8.63
✖	German Millet- Golden 84	i	18	5.63	WS-G	31%	14%	76%	180,000.00	\$ 0.50	\$ 2.82
Add Brassicas		Totals:		0%		0%		0%		\$ 0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre			
Add Broadleaves		Totals:		0%		0%		0%		\$ 0.00	
		Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre			



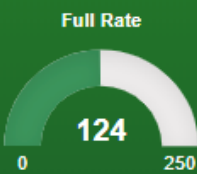
Summary

Pounds/Acre: 39.07

Seeds/Acre: 1,329,746.00

Species: 4.00

Total Pounds: 6,251.20



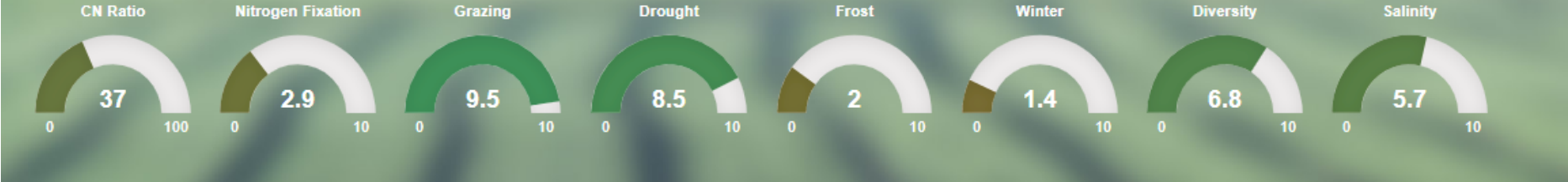
New!

☒ Enable SmartMix Auto Adjust

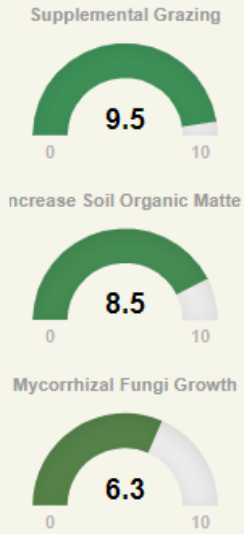
160

Acres

	Pound	Acre	Total
Seed Cost	\$ 0.97	\$ 37.73	\$ 6,037.31
Inoculant Cost	\$ 0.033	\$ 1.27	\$ 203.16
Mixing Cost	\$ 0.04	\$ 1.56	\$ 250.05
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.04	\$ 40.57	\$ 6,490.52

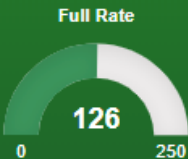


Add		Legumes		Totals:		42%	58%	10%	\$ 17.52		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Sunn Hemp:VNS 86.5	i	22	4.58	WS-B	21%	15%	6%	15,000.00	\$ 1.55	\$ 7.10
✖	Cowpeas: Iron & Clay 85	i	61	12.71	WS-B	21%	43%	4%	4,100.00	\$ 0.82	\$ 10.42
Add		Grasses		Totals:		42%	30%	65%	\$ 7.63		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Brachytic Dwarf BMR Sorg	i	24	5.00	WS-G	21%	17%	8%	18,000.00	\$ 1.15	\$ 5.75
✖	German Millet- Golden 84	i	18	3.75	WS-G	21%	13%	57%	180,000.00	\$ 0.50	\$ 1.88
Add		Brassicas		Totals:		42%	12%	25%	\$ 5.80		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Nitro Radish 78.5	i	10	2.08	CS-B	21%	7%	4%	25,000.00	\$ 1.65	\$ 3.43
✖	Purple Top Turnip: VNS 75	i	7	1.46	CS-B	21%	5%	21%	170,000.00	\$ 1.62	\$ 2.37
Add		Broadleaves		Totals:		0%	0%	0%	\$ 0.00		
					Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre



Summary

Pounds/Acre: 29.58
Seeds/Acre: 1,186,011.00
Species: 6.00
Total Pounds: 4,732.80



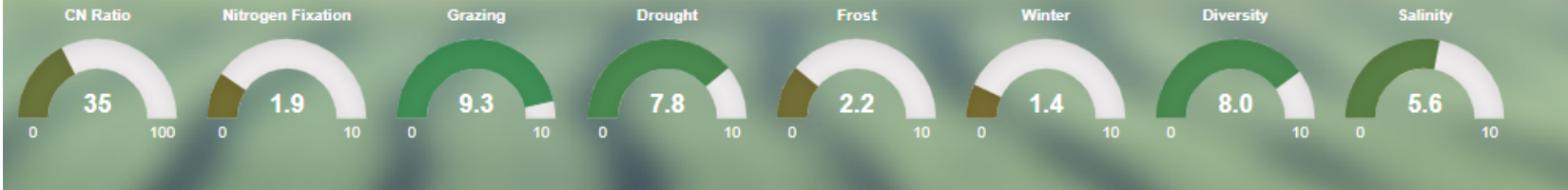
New!

☒ Enable SmartMix Auto Adjust

160

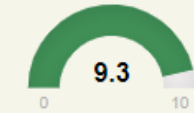
Acres

	Pound	Acre	Total
Seed Cost	\$ 1.05	\$ 30.94	\$ 4,950.94
Inoculant Cost	\$ 0.033	\$ 0.96	\$ 153.82
Mixing Cost	\$ 0.05	\$ 1.55	\$ 248.47
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.13	\$ 33.46	\$ 5,353.23

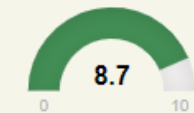


Add		Legumes		Totals:		32%	44%	9%	\$ 13.14		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Sunn Hemp:VNS 86.5	i	22	3.44	WS-B	16%	12%	5%	15,000.00	\$ 1.55	\$ 5.33
✖	Cowpeas: Iron & Clay 85	i	61	9.53	WS-B	16%	32%	4%	4,100.00	\$ 0.82	\$ 7.81
Add		Grasses		Totals:		32%	23%	57%	\$ 5.72		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Brachytic Dwarf BMR Sorg	i	24	3.75	WS-G	16%	13%	7%	18,000.00	\$ 1.15	\$ 4.31
✖	German Millet- Golden 84	i	18	2.81	WS-G	16%	10%	50%	180,000.00	\$ 0.50	\$ 1.41
Add		Brassicas		Totals:		32%	9%	22%	\$ 4.34		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Nitro Radish 78.5	i	10	1.56	CS-B	16%	5%	4%	25,000.00	\$ 1.65	\$ 2.57
✖	Purple Top Turnip: VNS 75	i	7	1.09	CS-B	16%	4%	18%	170,000.00	\$ 1.62	\$ 1.77
Add		Broadleaves		Totals:		32%	24%	11%	\$ 4.10		
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Buckwheat: Mancan 92.5	i	36	5.63	WS-B	16%	19%	10%	18,000.00	\$ 0.60	\$ 3.38
✖	Sunflower: Black Oil seed	i	10	1.56	WS-B	16%	5%	1%	8,000.00	\$ 0.46	\$ 0.72

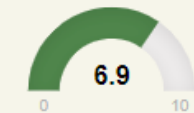
Supplemental Grazing



Increase Soil Organic Matter

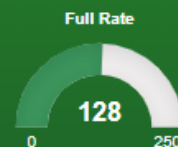


Mycorrhizal Fungi Growth



Summary

Pounds/Acre: 29.37
Seeds/Acre: 1,002,093.00
Species: 8.00
Total Pounds: 4,699.20



New!

☒ Enable SmartMix Auto Adjust

160

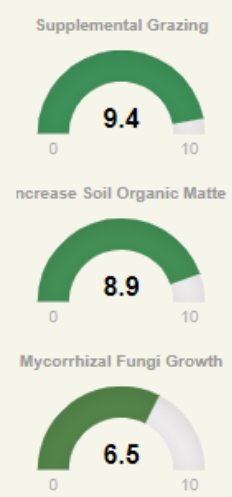


Acres

	Pound	Acre	Total
Seed Cost	\$ 0.93	\$ 27.30	\$ 4,367.92
Inoculant Cost	\$ 0.033	\$ 0.95	\$ 152.72
Mixing Cost	\$ 0.06	\$ 1.69	\$ 270.20
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.02	\$ 29.94	\$ 4,790.85



Add Legumes		Totals:		32%		37%		7%		\$ 13.14	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Sunn Hemp:VNS 86.5	i	22	3.44	WS-B	16%	10%	4%	15,000.00	\$ 1.55	\$ 5.33
✖	Cowpeas: Iron & Clay 85	i	61	9.53	WS-B	16%	27%	3%	4,100.00	\$ 0.82	\$ 7.81
Add Grasses		Totals:		55%		34%		67%		\$ 11.20	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Brachytic Dwarf BMR Sorg	i	24	8.00	WS-G	33%	23%	11%	18,000.00	\$ 1.15	\$ 9.20
✖	German Millet- Golden 84	i	18	4.00	WS-G	22%	11%	56%	180,000.00	\$ 0.50	\$ 2.00
Add Brassicas		Totals:		32%		7%		17%		\$ 4.34	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Nitro Radish 78.5	i	10	1.56	CS-B	16%	4%	3%	25,000.00	\$ 1.65	\$ 2.57
✖	Purple Top Turnip: VNS 75	i	7	1.09	CS-B	16%	3%	14%	170,000.00	\$ 1.62	\$ 1.77
Add Broadleaves		Totals:		32%		20%		9%		\$ 4.10	
		Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre
✖	Buckwheat: Mancan 92.5	i	36	5.63	WS-B	16%	16%	8%	18,000.00	\$ 0.60	\$ 3.38
✖	Sunflower: Black Oil seed	i	10	1.56	WS-B	16%	4%	1%	8,000.00	\$ 0.46	\$ 0.72



Summary

Pounds/Acre: 34.81
Seeds/Acre: 1,292,793.00
Species: 8.00
Total Pounds: 5,569.60

Full Rate

New!

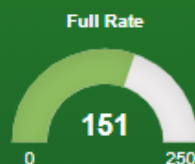
☐ Enable SmartMix Auto Adjust

	Pound	Acre	Total
Seed Cost	\$ 0.94	\$ 32.78	\$ 5,245.12
Inoculant Cost	\$ 0.025	\$ 0.87	\$ 139.24
Mixing Cost	\$ 0.05	\$ 1.60	\$ 256.20
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.01	\$ 35.25	\$ 5,640.56

Add Broadleaves		Totals:		32%	20%	9%	\$ 4.10			
Rates:	Full	Mix	Type	% Full Rate	% Wt	% Seeds	Seeds/lb	Cost/lb	Cost/Acre	
✖ Buckwheat: Mancan 92.5	i 36	5.63	WS-B	16%	16%	8%	18,000.00	\$ 0.60	\$ 3.38	
✖ Sunflower: Black Oil seed	i 10	1.56	WS-B	16%	4%	1%	8,000.00	\$ 0.46	\$ 0.72	

Summary

Pounds/Acre: 34.81
Seeds/Acre: 1,292,793.00
Species: 8.00
Total Pounds: 5,569.60



New!

☐ Enable SmartMix Auto Adjust

160

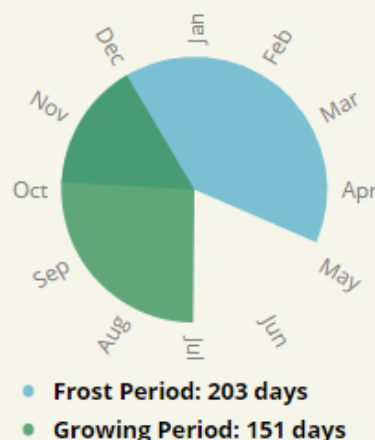


Acres

	Pound	Acre	Total
Seed Cost	\$ 0.94	\$ 32.78	\$ 5,245.12
Inoculant Cost	\$ 0.025	\$ 0.87	\$ 139.24
Mixing Cost	\$ 0.05	\$ 1.60	\$ 256.20
Bagging Cost	\$ 0.00	\$ 0.00	\$ 0.00
Total Cost	\$ 1.01	\$ 35.25	\$ 5,640.56

Growing Period

Start: 07/02/2018
End: 11/30/2018
Duration: 151 days
GDD: 1,889 GDD (base 50)
 3,074 GDD (base 40)



Region

Zip Code: 50010
 PHZ: 5a
 Frost Free: 04/24 - 10/03
 Projected Precip: 17.03"
 Avg. Annual Precip: 36.30"

Back

Next

Choose a shipping option

I'll pick it up in Bladen, NE

Send me a shipping quote

Back

Next

Seed Details

Legume

Product	Full Rate	lbs/Acre	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Sunn Hemp:VNS	22	3	51,600	\$ 1.55	\$ 5.33	15,000
Cowpeas: Iron & Clay	61	10	39,073	\$ 0.82	\$ 7.81	4,100

Grass

Product	Full Rate	lbs/Acre	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Brachytic Dwarf BMR Sorghum	24	8	144,000	\$ 1.15	\$ 9.20	18,000
German Millet- Golden	18	4	720,000	\$ 0.50	\$ 2.00	180,000

Brassica

Product	Full Rate	lbs/Acre	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Nitro Radish	10	2	39,000	\$ 1.65	\$ 2.57	25,000
Purple Top Turnip: VNS	7	1	185,300	\$ 1.62	\$ 1.77	170,000

Broadleaf

Product	Full Rate	lbs/Acre	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Buckwheat: Mancan	36	6	101,340	\$ 0.60	\$ 3.38	18,000
Sunflower: Black Oil seed	10	2	12,480	\$ 0.46	\$ 0.72	8,000

	Cost	Pound	Acre	Total
Seed Cost		\$ 0.94	\$ 32.78	\$ 5,245.12
Inoculant Cost		\$ 0.025	\$ 0.87	\$ 139.24
Mixing Cost		\$ 0.05	\$ 1.60	\$ 256.20
Bagging Cost		\$ 0.00	\$ 0.00	\$ 0.00
Total Cost		\$ 1.01	\$ 35.25	\$ 5,640.56

Comments

Please get me a shipping quote and let me know what you think of this mix

Back

Save for Later

Submit for Review



Green Cover Seed via amazonses.com
to me

9:04 AM (0 minutes ago)



Thank you for your order!

Seed Details

Legume

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Sunn Hemp:VNS	22	3.44	51,600	\$ 1.55	\$ 5.33	15,000
Cowpeas: Iron & Clay	61	9.53	39,073	\$ 0.82	\$ 7.81	4,100

Grass

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Brachytic Dwarf BMR Sorghum	24	8.00	144,000	\$ 1.15	\$ 9.20	18,000
German Millet- Golden	18	4.00	720,000	\$ 0.50	\$ 2.00	180,000

Brassica

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Nitro Radish	10	1.56	39,000	\$ 1.65	\$ 2.57	25,000
Purple Top Turnip: VNS	7	1.09	185,300	\$ 1.62	\$ 1.77	170,000

Broadleaf

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Buckwheat: Mancan	36	5.63	101,340	\$ 0.60	\$ 3.38	18,000
Sunflower: Black Oil seed	10	1.56	12,480	\$ 0.46	\$ 0.72	8,000

Customer comments:

Please get me a shipping quote and let me know what you think of this mix

	Cost	Pound	Acre	Total
Seed Cost	\$ 0.94	\$ 32.78		\$ 5,245.12
Inoculant Cost	\$ 0.03	\$ 0.87		\$ 139.24
Mixing Cost	\$ 0.05	\$ 1.60		\$ 256.20
Bagging Cost	0	0		0
Total Cost	\$ 1.01	\$ 35.25		\$ 5,640.56

Keith Berns has placed an order.

Order: 6107

Customer Contact

Keith Berns
[932 Road X](#)
Bladen, NE 68928
[402-469-6784](#)
keith@greencoverseed.com

Mix Details

Pounds: 34.81
Acres: 160
Comments: Please get me a shipping quote and let me know what you think of this mix

Seed Details

Legume

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Sunn Hemp: VNS	22	3.44	51,600	\$ 1.55	\$ 5.33	15,000
Cowpeas: Iron & Clay	61	9.53	39,073	\$ 0.82	\$ 7.81	4,100

Grass

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Brachytic Dwarf BMR Sorghum	24	8.00	144,000	\$ 1.15	\$ 9.20	18,000
German Millet- Golden	18	4.00	720,000	\$ 0.50	\$ 2.00	180,000

Brassica

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Nitro Radish	10	1.56	39,000	\$ 1.65	\$ 2.57	25,000
Purple Top Turnip: VNS	7	1.09	185,300	\$ 1.62	\$ 1.77	170,000

Broadleaf

Product	Rate	Pounds	Seeds/Acre	Cost/lb	Cost/Acre	Seeds/lb
Buckwheat: Mancan	36	5.63	101,340	\$ 0.60	\$ 3.38	18,000
Sunflower: Black Oil seed	10	1.56	12,480	\$ 0.46	\$ 0.72	8,000

	Cost	Pound	Acre	Total
Seed Cost	\$ 0.94	\$ 32.78		\$ 5,245.12
Inoculant Cost	\$ 0.03	\$ 0.87		\$ 139.24
Mixing Cost	\$ 0.05	\$ 1.60		\$ 256.20
Bagging Cost	0	0		0
Total Cost	\$ 1.01	\$ 35.25		\$ 5,640.56

Smartmix 5 – Coming Soon!



Account

Profile

Name:

Keith Berns

Email:

keith@greencoverseed....

Address:

932 Road X
Bladen, NE 68928

Phone:

402 469-6784

[Edit profile](#)

[Change password](#)

Shipping Addresses

Default

Keith Berns
932 Road X
Bladen, NE 68928

[Edit](#)

Seed #1

Keith Berns
918 Road X
Bladen, NE 68928

[Edit](#)

Hello, Bladen, NE!

Based on your zipcode of: 68928, the average annual rainfall is 26.73".
For your area, the First Frost is around 10/03, the Last Frost is around 04/30 and the Plant Hardiness Zone (PHZ) is 5b.



Details

Please fill in all details to initiate your mix.

Name your mix

My new mix on 2018-01-19T22:44:20-06:00



Acres to Plant

100

Irrigated?

4

Zip Code

68928

Seeding Method



Drilled



Broadcast



Broadcast with Incorp

Next Cash Crop

Select an Option



Bagging Option



50 lb. bags



Tote



Bulk

Seeding Date

03/01/2018



Termination Date

05/24/2018



Your selected growing period will last 84 days. It will also contain 354 base 50 growing degree days and 873 base 40 growing degree days.

Goals

Highest Priority

Provide Lasting Residue ▼

High Priority

Select an Option ▼

Increase Soil Organic Matter

Erosion Reduction

Nutrient Cycling

Nitrogen Fixation

Provide Lasting Residue

Priority

Select an Option ▼

Continue >



Create a Mix

Step 1

Step 2

Step 3

Step 4

Done!

My Account ▾

Species

As you add species based on your goals, the meters below reflect your choices. *You should achieve a Full Rate of 125.*

SmartMix

AutoAdjust™

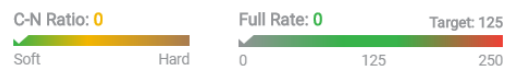
Off ☒ On

Goals Progress



NO SPECIES ADDED

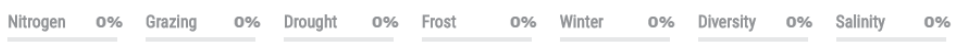
Add Species



Continue >

Mix Effect

POTENTIAL RATINGS



My new mix on 2018-01...

Details | [Edit Details](#)

100 Acres (4in irrigated) in Bladen, NE (68928)
in **Tote** | Method: **Drilled** | Next Crop: **Corn**
Growing Period: **Mar 1** to **May 24** (83 days)

Species

Pounds: **0/acre** | Seeds: **0/acre**

Species	% FULL RATE	% WT	% SEEDS
% Full Seeding Rate: 0 (Target: 125)			

Cost

Item	/lb	/Acre	Total
Seed	\$0.00	\$0.00	\$0.00
Inoculant	\$0.00	\$0.00	\$0.00
Mixing	\$0.50	\$0.00	\$0.00
Total			\$0.00

Add Species

Based on your details, SmartMix has rated each seed for optimal performance. Select one or more options and click 'Add to Mix'

Q Search species

Excellent (1)

Good (34)

Marginal (63)

Risky (6)

LEGUMES

☒ Common Vetch
CS-B | Full: 31 | 8k seeds/lb

☐ Woolly Pod Vetch: Naomi
CS-B | Full: 25 | 10k seeds/lb

☒ Chickling Vetch: AC Greenfix
CS-B | Full: 63 | 2.5k seeds/lb

☒ Spring Pea: 4010
CS-B | Full: 75 | 3.2k seeds/lb

☐ Winter Peas: Lynx
CS-B | Full: 63 | 4k seeds/lb

☐ Faba Beans: VNS
CS-B | Full: 94 | 2.5k seeds/lb

☐ Alfalfa: Common
CS-B | Full: 19 | 225k seeds/lb

☐ Sainfoin: Shoshone "Certified"
CS-B | Full: 23 | 18.5k seeds/lb

GRASSES

☐ Spring Oat: Rockford
CS-G | Full: 125 | 15k seeds/lb

☒ Spring Oat: Hayden
CS-G | Full: 125 | 15k seeds/lb

☐ Cereal Rye: Elbon
CS-G | Full: 100 | 22.1k seeds/lb

☐ Annual Ryegrass: Winterhawk (Diploid)
CS-G | Full: 23 | 190k seeds/lb

☒ Spring Barley: Lavina
CS-G | Full: 100 | 13k seeds/lb

☐ Orchard Grass: Persist
CS-G | Full: 23 | 100k seeds/lb

☐ Meadow Brome: Certified Cache
CS-G | Full: 15 | 93k seeds/lb

☐ Black Oats: Cosaque
CS-G | Full: 88 | 22k seeds/lb

☐ Spring Triticale: Trical

BRASSICAS

☒ African Cabbage: VNS
CS-B | Full: 10 | 180k seeds/lb

☐ Yellow Mustard: White Gold
CS-B | Full: 9 | 100k seeds/lb

☐ Indian Mustard: Indi Gold
CS-B | Full: 9 | 200k seeds/lb

☐ Florida Broadleaf Mustard: Shield
CS-B | Full: 9 | 100k seeds/lb

☐ Brown Mustard: Kodiak
CS-B | Full: 9 | 100k seeds/lb

BROADLEAVES

☒ Flax: Shelby
CS-B | Full: 38 | 83.0k seeds/lb

☐ Chicory - "Browtine"
WS-B | Full: 5 | 400k seeds/lb

Add(7) to Mix >

Cancel

Species

As you add species based on your goals, the meters below reflect your choices. *You should achieve a Full Rate of 125.*

SmartMix 
AutoAdjust™

off  On

Goals Progress

Increase Soil Organic Matter



















▼ 80%

Erosion Reduction

▼ 90%

Provide Lasting Residue

▼ 70%

TYPE	SPECIES		LBS/ACRE	% FULL RATE	% WT.	% SEEDS	COST/LB	COST/ACRE	
	Common Vetch CS-B Full: 31 8k seeds/lb		5.63	18%	7%	3%	\$0.95	\$5.34	
	Chickling Vetch: AC Greenfix CS-B Full: 63 2.5k seeds/lb		11.25	18%	14%	2%	\$0.65	\$7.31	
	Spring Pea: 4010 CS-B Full: 75 3.2k seeds/lb		13.5	18%	17%	3%	\$0.38	\$5.13	
	Spring Oat: Hayden CS-G Full: 125 15k seeds/lb		22.5	18%	28%	21%	\$0.20	\$4.50	
	Spring Barley: Lavina CS-G Full: 100 13k seeds/lb		18	18%	23%	15%	\$0.20	\$3.60	
	African Cabbage: VNS CS-B Full: 10 180k seeds/lb		1.8	18%	2%	21%	\$2.70	\$4.86	
	Flax: Shelby CS-B Full: 38 83.0k seeds/lb		6.75	18%	8%	36%	\$0.50	\$3.38	



African Cabbage: VNS

CS-B | Full: 10 | 180k seeds/lb



1.8

18%

2%

21%

\$2.70

\$4.86



Flax: Shelby

CS-B | Full: 38 | 83.0k seeds/lb



6.75

18%

8%

36%

\$0.50

\$3.38



Add Species

C-N Ratio: 15.2

Soft

Hard

Full Rate: 126

Target: 125

0

125

250

Continue



Mix Effect

POTENTIAL RATINGS

Nitrogen 16%

Grazing 89%

Drought 66%

Frost 85%

Winter 17%

Diversity 58%

Salinity 58%



My new mix on 2018-01...

Details

[Edit Details](#)





100 Acres (4in irrigated) in Bladen, NE (68928)

in Tote | Method: Drilled | Next Crop: Corn

Growing Period: Mar 1 to May 24 (83 days)

Species

Pounds: 79.43/acre | Seeds: 15.7k/acre

Species	% FULL RATE	% WT	% SEEDS
 Legumes	54%	38%	8%
 Grasses	36%	51%	36%
 Brassicas	18%	2%	21%
 Broadleaves	18%	8%	36%

% Full Seeding Rate: 126 (Target: 125)

Cost

Item	/lb	/Acre	Total
Seed	\$0.43	\$34.12	\$3,412.00
Inoculant	\$0.03	\$1.99	\$199.00
Mixing	\$0.04	\$3.18	\$318.00
Total			\$3,929.00

Shipping

Choose your shipping & delivery options

☒ Ship it to me

☐ I'll pick it up in Bladen, NE

NOTE: A Green Cover Seed sales rep will contact you with a shipping quote before finalizing this order. But we will need your shipping address in order to put together a quote.

Select from your 2 saved addresses

Default

☐ Keith Berns
932 Road X, Bladen, NE 68928
4024696784
keith@greencoverseed.com

Seed #1

☐ Keith Berns
918 Road X, Bladen, NE 68928
4029841784
keith@greencoverseed.com

or add a new address

Location name

eg. Home, Warehouse

First name

Last name

First name of recipient

Last name of recipient

Address

Enter Address

City

State

Zipcode

Choose ... ▼

Phone

Email

Save Address

Summary

Confirm and complete your order. Need to make changes? Click Edit in the top right hand of each section.

Details

[Edit Details](#)

Name: **My new mix on 2018-01-19T22...**

Planting **100 Acres** (4in irrigated)

in **Bladen, NE (68928)**

Preparing seed in **Tote**

Seeding Method: **Drilled**

Next Cash Crop: **Corn**

Growing Period: **(83 days)**

Projected Rainfall: **7.67 in.**

■ **3/1/2018**

to **5/24/2018**

■ Frost Period: 209 days

343 GDD (Base 50)

853 GDD (Base 40)



Species

[Edit Species](#)

TYPE	SPECIES	LBS/ACRE	% FULL RATE	% WT.	% SEEDS	% EFFECT	SEEDS/ACRE	COST/LB	COST/ACRE
	Common Vetch CS-B Full: 31 8k seeds/lb	5.63	18%	7%	3%	5%	45k	\$0.95	\$5.34
	Chickling Vetch: AC Greenfix CS-B Full: 63 2.5k seeds/lb	11.25	18%	14%	2%	8%	28.1k	\$0.65	\$7.31
	Spring Pea: 4010 CS-B Full: 75 3.2k seeds/lb	13.5	18%	17%	3%	10%	43.2k	\$0.38	\$5.13
	Spring Oat: Hayden CS-G Full: 125 15k seeds/lb	22.5	18%	28%	21%	25%	337.5k	\$0.20	\$4.50
	Spring Barley: Lavina CS-G Full: 100 13k seeds/lb	18	18%	23%	15%	19%	234k	\$0.20	\$3.60
	African Cabbage: VNS CS-B Full: 10 180k seeds/lb	1.8	18%	2%	21%	12%	324k	\$2.70	\$4.86
	Flax: Shelby CS-B Full: 38 83.0k seeds/lb	6.75	18%	8%	36%	22%	560.6k	\$0.50	\$3.38

Mix Effect

POTENTIAL RATINGS

Nitrogen 16% Grazing 89% Drought 66% Frost 85% Winter 17% Diversity 58% Salinity 58%

Ship to:

[Edit Shipping](#)

Cost

	/LB.	/ACRE	TOTAL
Picking up mix at Green Cover Seed in Bladen, NE			
Seed	\$0.43	\$34.12	\$3,412.00
Inoculant	\$0.03	\$1.99	\$199.00
Mixing	\$0.04	\$3.18	\$318.00
Bagging	\$0.00	\$0.00	\$0.00
Total	\$0.50	\$39.29	\$3,929.00

Comments

Tell us more...

[Save for Later](#)

[Confirm & Complete](#) >

Thanks!

Your order has been received.

You should receive a confirmation email shortly.

Your order number: #4980

[View Order](#)

What's next?

You have 2 previous orders started.

Would you like to pick up where you left off?

[Go to Saved Mixes >](#)

Ready to create another mix?

[Start a New Mix >](#)

Orders

See a list of the mixes you have ordered. Expand to view details.

Open Orders

Order Placed Jan 19, 2018	Name My new mix on 2018-01...	Total \$3,929.00	Status Submitted	Order# 4980 Order Details ▾
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Completed Orders

Order Placed Oct 17, 2016	Name temp label	Total \$115.00	Status Completed	Order# 3727 Order Details ▾
Order Placed Oct 17, 2016	Name temp label	Total \$271.50	Status Completed	Order# 3726 Order Details ▾
Order Placed Sep 27, 2016	Name Test Mix	Total \$3,309.12	Status Completed	Order# 3632 Order Details ▾
Order Placed May 7, 2016	Name temp label	Total \$3,367.38	Status Completed	Order# 2741 Order Details ▾
Order Placed May 5, 2016	Name Shannon Browning Hay ...	Total \$2,601.95	Status Completed	Order# 2733 Order Details ▾
Order Placed Apr 19, 2016	Name temp label	Total \$3,156.62	Status Completed	Order# 2635 Order Details ▾

Orders

See a list of the mixes you have ordered. Expand to view details.

Open Orders

Order Placed	Name	Total	Status	Order# 4980		
Jan 19, 2018	My new mix on 2018-01...	\$3,929.00	Submitted	Order Details ^		
DETAILS	MIX SUMMARY	COST SUMMARY	/LB.	/ACRE	TOTAL	More Detail
100 Acres	Pounds: 79.43/acre	Seed:	\$0.43	\$34.12	\$3,412.00	Re-order Mix
(4in irrigated)	Seeds: 1572.4k/acre	Inoculant:	\$0.03	\$1.99	\$199.00	
in Bladen, NE	Species: Legume,	Bagging:	\$0.00	\$0.00	\$0.00	
(68928)	Grass, Brassica,	Total:	\$0.50	\$39.29	\$3,929.00	
in Tote	Broadleaf					
Method: Drilled	Full Rate: 126%					
Next Crop: Corn						