



Cereal rye was planted at a 70 lb/ac rate on September 12, 2016 in preparation for spring grazing (starting June 1). One set of plots (7 ac in size) was retained and a second set of plots (7 ac in size) was sprayed out for seeding of a cool season cover crop mix.



### COVER CROP MIXES & GRAZING INFORMATION GARDNER, ND

Cool Season Mix	Rate (lb/ac)
Yellow Peas	25
Faba Beans	25
Oats	35
Turnip	1
Flax	2
Oil Sunflower	1

**Total Pounds: 86**

**Seeded May 12**

**Grazing start: July 3**

Warm Season Mix	Rate (lb/ac)
Cowpea + inoculant	15
Sunn Hemp	5
Sorghum x Sudangrass	5
Teff grass	2
Rapeseed	1
Buckwheat	4
Oil Sunflower	1
Turnip	1

**Total Pounds: 34**

**Seeded July 7**

Common Name	Scientific Name	Price/lb
Buckwheat	<i>Fagopyrum esculentum</i>	\$0.93
Cowpea	<i>Vigna unguiculata</i>	\$0.80
Rapeseed	<i>Brassica napus</i>	\$2.00
Flax	<i>Linum usitatissimum</i>	\$0.88
Oats	<i>Avena sativa</i>	\$0.20
Teff Grass	<i>Raphanus sativus</i>	\$3.32
Oil Sunflower	<i>Helianthus annuus</i>	\$0.90
Sorghum x Sudangrass	<i>Sorghum x drummondii</i>	\$0.90
Sunn Hemp	<i>Crotalaria juncea</i>	\$2.63
Pasja turnip	<i>Brassica napus</i>	\$3.25
Yellow Peas	<i>Lathyrus aphaca</i>	\$0.65
Faba Beans	<i>Vicia faba</i>	\$0.60

\*pricing from Green Cover Seed

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## SARE

### Farmer- Rancher Grants

Offers competitive grants to farmers and ranchers who want to explore solutions with on-farm research and demonstration projects

Funds topics including, but not limited to, pest/disease management, crop and livestock production, education/outreach, networking, quality of life issues, marketing, soil quality and energy

Awards are offered to individual (\$7,500 maximum), team of two (\$15,000 maximum), or group (\$22,500 maximum)

Projects may last up to 24 months

Around forty projects are typically funded each year

More information can be found: [www.northcentralsare.org](http://www.northcentralsare.org)

Or search "SARE farmer-rancher grant" on google



**Rye**  
(Planted on 7 acres)  
\*Yearlings started grazing June 1st

~2 Acre Cell (Rotated to new cell every 4-5 days)
~2 Acre Cell
1 Acre Cell (Smaller cells created to increase grazing intensity)
1 Acre Cell
1 Acre Cell *Not Grazed

**Cool Season Cover Crop**  
(Planted on 7 acres)  
\*Yearlings started grazing July 3rd

~1-1.5 Acre Cell (Rotated to new cell every 2-3 days)
~1-1.5 Acre Cell
~1-1.5 Acre Cell
~1-1.5 Acre Cell
~1-1.5 Acre Cell

North  
↓

The cereal rye cells were grazed from south to north

Once cycled through the cereal rye cells, the yearlings were rotated to the cool season cells to graze from south to north

After the yearlings were transferred to the cool season cells, the warm season cover crop cells were planted into the cereal rye residue

The yearlings will graze the warm season cells when grazing is complete on the cool season cells

Cool season cells will be seeded to cereal rye