Welter Seed & Honey Company was founded in 1955 by Herman and Veronica Welter. When they started their seed business Herman had a pull type combine and tractor and he would combine red clover on shares. Then he would clean and bag his share of the red clover and sell it. Over the years he added other seeds to his line such as alfalfa, brome, timothy, and seed oats. Welter Seed is still owned and operated solely by the Welter family. We are now a national seed distributor offering one of the largest selections of seed available in the industry.

We dedicate our 60th anniversary to our father Herman and to our brother Alan who were integral “spokes in our wheel”. They were both extremely hard working men who enjoyed the seed business and their customers. As a family we are grateful for their vision, dedication, and leadership. We would like to celebrate our 60th year in business by thanking the many loyal customers we have become friends with over the years while assisting you with your seed needs. We cannot express enough gratitude to you all for the trust you put in us. We look forward to continuing our family tradition and working with you for many years to come.

The Welter Family

ORDER EARLY TO ALLOW TIME FOR SHIPPING AND PROCESSING

$15 DISCOUNT ON ALFALFA
Save $15 per bag on our alfalfa
(see page 1)

WE PAY 1/2 OF SHIPPING
(see details on back page)

More product information at www.WelterSeed.com
Protection™ technologies, offering 17% quicker recovery

A high yielding alfalfa with exceptional forage quality and

A newer, improved variety with Stand Fast™ & Yield Loss

DRI=30/30  WSI=2.1  FD=4

Depth: ¼”- ½”

In a mix: 6-15 lbs per acre

Alone: 15-20 lbs per acre

Planting Rate:

Alfalfas are deep-rooted perennial legumes and are

the later the alfalfa will grow in the season, thus giving warm

climate areas long season stands.

for high quality forage. When choosing alfalfas consider the

DRI (disease rating index), WSI (winter-survival index 1-6)

and the FD (fall dormancy 1-11). The DRI is a disease rating

the more resistant the alfalfa.  The WSI rates the alfalfas on

how they will survive wintering—the lower the rating the more

winter-hardy they are. The FD rating is based on how soon

the earlier in the season the alfalfa will go into dormancy, thus

protecting it from cold climate winters. The higher the number,

the later the alfalfa will grow in the season, thus giving warm

climate areas long season stands.

**Attention II**

A high yielding alfalfa with exceptional forage quality and
disease resistance. Excellent choice for long rotations.

DRI=30/30  WSI=2.1  FD=4

**Galaxy II**

A newer, improved variety with Stand Fast™ & Yield Loss

Protection™ technologies, offering 17% quicker recovery

than Attention.  DRI=28/30  WSI=2  FD=5

**Multi 5301 Multi-Leaf Alfalfa**

A top rated very high yielding, high relative feed value multi-

leaf alfalfa.  DRI=27/30  WSI=2  FD=3

**Grazer Brand Alfalfa**

An excellent, grazing type alfalfa that withstands traffic well

making Grazer an outstanding component in pasture mixes.

DRI=25/30  WSI=2.1  FD=2

**Radiance HD Alfalfa (w/Apron)**

Radiance HD is a dark green, highly digestible (HD) alfalfa

variety that was bred for high yield, outstanding forage

quality, and fast regrowth. A very persistent, high forage

quality alfalfa.  DRI=29/30  WSI=2   FD=4

**L449 APH 2 Alfalfa (w/Allegiance)**

L449 APH 2 alfalfa with “StandLife Genetics™”, provides

multi-strain resistance to Aphanomyces Root Rot Race 2.

APH Race 2 disease has shown increased pressure in the

Midwest over the past few years and L449 APH 2 works well

on medium to heavy soils types where Aphanomyces has or

could be prevalent. Very high yielding alfalfa.

DRI=30/30  WSI=1.6  FD=3.9

**MycoGen’s 4S417 Hybrid Alfalfa (w/Apron)**

A hybrid alfalfa with high forage yield potential and dairy

quality forage.  DRI=30/30  WSI=1.8  FD=4.0

**1015 Supreme Brand Alfalfa**

An outstanding, very popular blend that does well in a variety

of soils and conditions.  DRI=28/30  WSI=2  FD=4

**Multi 5301 Multi-Leaf Alfalfa**

A top rated very high yielding, high relative feed value multi-

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quality, and fast regrowth. A very persistent, high forage

quality alfalfa.  DRI=29/30  WSI=2   FD=4

**Big Wheel Alfalfa (w/Apron)**

A high traffic tolerant variety that exhibits improved yield and

Persistence over traditional high traffic varieties.

DRI=29/30  WSI=2  FD=4

**375HY-BR Hybrid Alfalfa**

The newest generation hybrid alfalfa with branch roots.

Characterized by its aggressive re-growth, high yields, and

consistent high quality forage.

DRI=30/30  WSI=1.6  FD=3.9

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Making Grazer an outstanding component in pasture mixes.

DRI=25/30  WSI=2.1  FD=2
**NEW**

Depth:     ¼”

In a mix:  3-6 pounds per acre

**Planting Rate:**

Alone:     10-12 pounds per acre

**beneficial component in hay and pasture mixes.**

**AMERISTAND 409LH ALFALFA (w/Apron + GZ)**

An outstanding high traffic, high yielding variety that is excellent for grazing or haymaking. DRI=30/30  WSI= 2.1  FD=4

**AMERISTAND 409LH ALFALFA (w/Apron + GZ)**

An excellent, eighth generation potato leafhopper resistant variety with improved forage yield. DRI=30/30  WSI=2  FD=3.8

**AMERISTAND 403T PLUS ALFALFA**

A blend of long lasting red clovers specifically developed for persistent and longevity.

**CERTIFIED 4241 CREEPING ALFALFA**

A superior creeper that is very persistent. Excellent for grazing. DRI=25/30 WSI=2 FD=2

**EXCEL BRAND 353BR ALFALFA**

A branch rooted high forage yielding alfalfa designed for poorly drained soils. Can also be used on well drained soils. Exceptional traffic tolerance. DRI=30/30  WSI=1.7  FD=3.8

**FLEMISH PLOWDOWN ALFALFA**

Exceptional traffic tolerance. DRI=30/30  WSI=1.7  FD=3.8

**FREEDOM II BRAND LH ALFALFA**

A very unique long lasting red clover variety that can produce 3 or 4 cuttings. Starfire II gives higher yields, higher levels of persistence and has an excellent disease package. Starfire II is a great choice for top producers.

**FREEDOM MR RED CLOVER**

A fast drying variety selected for increased dry matter production. Freedom MR has finer stems and less pubescence (hairs) on the stem which enables the plant to dry faster. Mildew Resistant.

**JUMBO II LADINO CLOVER (w/Apex™ Green)**

**KOPU II WHITE CLOVER**

**LADINO CLOVER**

A large leafed winter-hardy variety used primarily in pastures.

**MARATHON RED CLOVER**

A 3-4 year variety that is very winter-hardy and disease resistant. Marathon is a superior red clover with long-lasting performance.

**PERSIST BRAND RED CLOVER**

A blend of long lasting red clovers specifically developed for persistence and longevity.

**PER 50 lb. bag**

$256.00

$130.00

$225.00

$205.00

$208.00

$240.00

$170.00

$256.00

$256.00

$208.00

$225.00

$220.00

$4.30

$4.75

$88.00

$4.75

$107.00

$144.00

$137.00

$4.75

$5.25

$6.10

$4.50

$5.25

$6.10

$4.50

$4.75

$5.25

$6.10

$4.50

$5.25

$6.10

$4.50
**NEW**

**3**

**Depth:** ¼”

In a mix: 1-3 pounds per acre

**Planting Rate:**

- Alone: 6-8 pounds per acre
- Depth: ¼”

**BERSEEM CLOVER** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $130.00

An annual clover that is planted in the spring in the northern US and in August/September in the southern US. Berseem can be used for hay, haylage, pasture or a green manure crop. Berseem is very palatable, high in feed value (running 18-28% crude protein) and can fix up to 100-150 units of Nitrogen per acre. Berseem will tolerate moisture better than alfalfa or sweet clover and will produce 3 crops the year it is planted. Requires a frost free growing season. Begin cutting or grazing when the plants reach 10-12 inches high. Graze or cut to a 3-inch stubble to encourage new shoot production. Berseem needs to be cut prior to flowering or the plant will not recover. Excellent for thickening a weak alfalfa stand. Does not cause bloat.

**Planting Rate:**

- Alone: 15-20 pounds per acre
- In a mix: 10-20 pounds per acre
- Depth: ¼” - ½”

**FIXATION BALANSA CLOVER** (Coated) . . . per 50 lb. bag $116.00

Small seeded annual legume that produces exceptional quantities of Nitrogen. With its superior reseeding properties, high hard seed count, and adaptation to a wide variety of soil types, can return for several years from a single seeding. Allowing Balansa to grow for 40 days past first bloom every 3-4 years will allow stands to persist indefinitely in no-till systems. Reseeded stands are denser and more productive than planted stands. Has withstood temperatures as lows as 5º F with no snow cover and with snow cover has survived sub-zero temperatures. Can withstand short periods of water logging. Ungrazed, will grow up to 3’ tall. Plant 5-8 lbs. per acre.

**ALSIKE CLOVER** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $130.00

An upright, short lived perennial that does well on low, poorly drained acidic soils. Alsike is considered a biennial plant and is primarily used in mixtures on lowland areas for green manure, pasture and hay.

**Planting Rate:**

- Alone: 7-8 pounds per acre
- In a mix: 1-3 pounds per acre
- Depth: ¼”

**YELLOW BLOSSOM SWEET CLOVER** . . . . . per 50 lb. bag $112.00

A good soil building variety that adds 80-100 units of nitrogen per acre and improves the soil tilth. Yellow Blossom is a bee attractant and is primarily used as a green manure crop.

**Planting Rate:**

- Alone: 12-15 pounds per acre
- In a mix: 2-6 pounds per acre
- Depth: ¼”

**WHITE BLOSSOM SWEET CLOVER** . . . . . per 50 lb. bag $152.00

A high nitrogen producing biennial legume growing 5-6 feet tall. Blooms 2 weeks later than yellow blossom sweet clover. Excellent for honey production.

**CRIMSON CLOVER** (Non Coated). . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $78.00

**CRIMSON CLOVER** (w/Nitro Coat Organic) . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $86.00

A winter annual in the South and a spring/summer annual in the North. Crimson is high in protein and easy to establish. Crimson can establish a thick green crop by mid-winter in the South, fixing 125 units of nitrogen per acre and produces a great deal of humus. In the North, Crimson matures in June with crimson flowers on 18 inch plants.

**Planting Rate:**

- Alone: 25-35 pounds per acre
- In a mix: 10-15 pounds per acre
- Depth: ½”

**WHITE DUTCH CLOVER** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $196.00

A smaller leafed clover used primarily in lawn mixes, as ground cover, and for erosion control.

**Planting Rate:**

- Alone: 2-4 pounds per acre
- In a mix: 1-3 pounds per acre

---

**HAY, PASTURE & WATERWAY MIXES**

We offer premixed, preinoculated hay and pasture mixes to our customers to save them valuable time during planting time.

**HAY MIXES:**

**Planting Rate:**

- Alone: 15-20 pounds per acre
- Depth: ¼”

**Mix #1 ECONOMO MIX** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $151.50

- 70% Vernal Alfalfa
- 15% Medium Red Clover
- 15% Climax Timothy

**Mix #2 SUPER HAY MIX** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $188.00

- 70% 1015 Supreme Brand Alfalfa
- 15% Starfire Red Clover
- 15% Tuukka Timothy

**Mix #3 ALL PURPOSE MIX** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $174.50

- 63% 1015 Supreme Brand Alfalfa
- 16% Persist Brand Red Clover
- 15% Tuukka Timothy
- 6% Alsike Clover

**Mix #4 LOWLAND MIX** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $171.00

- 42% Excel Brand 353 BR Alfalfa
- 37% Persist Brand Red Clover
- 16% Tuukka Timothy
- 5% Alsike Clover

**Mix #6 HIGHLAND MIX** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $195.00

- 82% 1015 Supreme Brand Alfalfa
- 10% Starfire Red Clover
- 8% Tuukka Timothy
### Mix #7 DAIRYMAN’S DREAM
- Per 50 lb. bag: $193.00
- 90% 1015 Supreme Brand Alfalfa
- 10% Tuukka Timothy

### Mix #8 DAIRYMAN’S HY-GRASS
- Per 50 lb. bag: $195.00
- 81% 1015 Supreme Brand Alfalfa
- 9% Starfire Red Clover
- 5% Profit Orchardgrass
- 5% Tuukka Timothy

### PASTURE/WATERWAY MIXES:

#### Planting Rate:
- Alone: 25-35 pounds per acre
- Depth: ¼”

#### Mix #9 PASTURE & WATERWAY MIX
- Per 25 lb. bag: $75.00
- Per 50 lb. bag: $150.00
- 20% Fleet Meadow Bromegrass
- 15% Duo Festulolium
- 15% Profit Orchardgrass
- 10% Lincoln Smooth Bromegrass
- 10% Tuukka Timothy
- 10% Bronson Tall Fescue
- 10% Starfire Red Clover
- 10% Alsike Clover

#### Mix #10 ALL GRASS PASTURE & WATERWAY MIX
- Per 25 lb. bag: $66.25
- Per 50 lb. bag: $132.50
- 20% Fleet Meadow Bromegrass
- 15% Duo Festulolium
- 15% Profit Orchardgrass
- 10% Lincoln Smooth Bromegrass
- 10% Italian Ryegrass
- 10% Power Perennial Ryegrass
- 10% Tuukka Timothy
- 10% Bronson Tall Fescue

#### Mix #11 REEDSWAY PASTURE & WATERWAY MIX
- Per 25 lb. bag: $90.50
- Per 50 lb. bag: $181.00
- 15% Duo Festulolium
- 15% Power Perennial Ryegrass
- 10% Profit Orchardgrass
- 10% Fleet Meadow Bromegrass
- 10% Palaton Reeds Canarygrass
- 10% Tuukka Timothy
- 10% Starfire Red Clover
- 10% Alsike Clover

#### SOIL SAVER WATERWAY MIX
- Per 25 lb. bag: $53.00
- 28% Smooth Bromegrass
- 18% Tall Fescue
- 18% Perennial Ryegrass
- 18% Annual Ryegrass
- 18% Climax Timothy

#### TIMESAVER COMPLETE WATERWAY MIX
- Per 50 lb. bag: $34.00
- 80% Winter Wheat
- 6% Smooth Bromegrass
- 3.5% Tall Fescue
- 3.5% Perennial Ryegrass
- 3.5% Annual Ryegrass
- 3.5% Climax Timothy

#### PASTURE PERFECT MIXES:

#### GRAZERS ELITE MIX
- Per 50 lb. bag: $139.00
- 50% Tekapo Grazing Orchardgrass
- 20% Duo Festulolium
- 20% Power Perennial Ryegrass
- 7% Starfire Red Clover
- 3% Kopu II White Clover

**Planting Rate:**
- Alone: 25-35 pounds per acre
- Depth: ¼”

#### GRAZERS SUPREME MIX
- Per 50 lb. bag: $141.00
- 30% Fleet Meadow Bromegrass
- 20% Tekapo Grazing Orchardgrass
- 20% Power Perennial Ryegrass
- 20% Bronson Tall Fescue
- 10% Duo Festulolium

**Planting Rate:**
- Alone: 35-40 pounds per acre
- Depth: ¼”

#### GRAZERS SPECIAL MIX
- Per 50 lb. bag: $130.00
- 20% Tekapo Grazing Orchardgrass
- 20% Power Perennial Ryegrass
- 20% Bronson Tall Fescue
- 20% Lincoln Smooth Bromegrass

**Planting Rate:**
- Alone: 35-40 pounds per acre
- Depth: ¼”

#### GRAZERS GOURMET MIX
- Per 50 lb. bag: $178.50
- 30% Grazer Brand Alfalfa
- 30% Tekapo Grazing Orchardgrass
- 13% Power Perennial Ryegrass
- 10% Duo Festulolium
- 10% Bull Birdsfoot Trefoil
- 7% Chicory

**Planting Rate:**
- Alone: 25-35 pounds per acre
- Depth: ¼”

#### RENOVATOR SPECIAL MIX
- Per 50 lb. bag: $97.00
- 40% Power Perennial Ryegrass
- 35% Duo Festulolium
- 25% Rival Annual Ryegrass

**Planting Rate:**
- Alone: 10-35 pounds per acre
- Depth: ¼”

#### PLEASURE HORSE MIX
- Per 50 lb. bag: $130.00
- 20% Tekapo Grazing Orchardgrass
- 20% Duo Festulolium
- 20% Power Perennial Ryegrass
- 15% Bronson Tall Fescue
- 10% Delar Small Burnett
- 10% Tuukka Timothy
- 5% Kentucky Bluegrass

**Planting Rate:**
- Alone: 35-40 pounds per acre
- Depth: ¼”
**SUCRASEED HIGH SUGAR GRASS MIXES**

Sucraseed Mixes contain new high sugar grass-(HSG) perennial and intermediate (int.) ryegrasses that have been developed specifically to contain high levels of Water Soluble Carbohydrates (sugar). These mixes have demonstrated significant increases in meat and milk production.

**Planting Rate:**
- Alone: 25 pounds per acre
- Depth: ¼”

**SOLD IN FULL BAGS ONLY**

<table>
<thead>
<tr>
<th>Mix Name</th>
<th>Description</th>
<th>Per 50 lb. bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASH COW</td>
<td>Great for dairy</td>
<td>$70.00</td>
</tr>
<tr>
<td></td>
<td>28.00% AberZest HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28.00% AberStar HSG Perennial Ryegrass</td>
<td></td>
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<tr>
<td></td>
<td>27.00% AberEve HSG Tetraploid Intermediate Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15.00% N-R-GEE Alfalfa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.00% Ladino White Clover</td>
<td></td>
</tr>
<tr>
<td>BEEF BANK</td>
<td>Great for beef</td>
<td>$66.00</td>
</tr>
<tr>
<td></td>
<td>27.50% AberZest HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27.50% AberStar HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25.00% AberEve HSG Tetraploid Intermediate Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15.00% Quickdraw Orchardgrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.00% Medium Red Clover</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.00% Medium Red Clover</td>
<td></td>
</tr>
<tr>
<td>GREAT GAINS</td>
<td>Great for sheep</td>
<td>$62.00</td>
</tr>
<tr>
<td></td>
<td>33.00% AberZest HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>33.00% AberStar HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27.00% AberEve HSG Tetraploid Intermediate Ryegrass</td>
<td></td>
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<tr>
<td></td>
<td>5.00% Chicory</td>
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<tr>
<td></td>
<td>2.00% Chicory</td>
<td></td>
</tr>
<tr>
<td>SWEET SILAGE</td>
<td>High carb silage</td>
<td>$130.00</td>
</tr>
<tr>
<td></td>
<td>50.00% AberEve HSG Tetraploid Intermediate Ryegrass</td>
<td></td>
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<tr>
<td></td>
<td>33.00% AberEve HSG Tetraploid Intermediate Ryegrass</td>
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<tr>
<td></td>
<td>33.00% Medium Red Clover</td>
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<td></td>
<td>5.00% Medium Red Clover</td>
<td></td>
</tr>
<tr>
<td>PASTURE SWEET’NER</td>
<td>Northern formula</td>
<td>$138.00</td>
</tr>
<tr>
<td></td>
<td>33.33% AberZest HSG Perennial Ryegrass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>33.33% AberStar HSG Perennial Ryegrass</td>
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<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**ORCHARDGRASS**

Orchardgrasses are medium to long lived, cool season bunch-grasses that perform well on well drained soils. Typically, late varieties are used in haymaking and early varieties for grazing.

**Planting Rate:**
- Alone: 10-15 pounds per acre
- In a mix: 3-5 pounds per acre
- Depth: ¼”

<table>
<thead>
<tr>
<th>Mix Name</th>
<th>Per 50 lb. bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEEFMASTER</td>
<td>$181.00</td>
</tr>
<tr>
<td>DAIRYMASTER</td>
<td>$159.00</td>
</tr>
<tr>
<td>BROWSEMASTER</td>
<td>$200.00</td>
</tr>
<tr>
<td>POTOMAC ORCHARDGRASS</td>
<td>$100.00</td>
</tr>
</tbody>
</table>

**BROMegrass**

Bromegrass is a thick forming, permanent sod grass that spreads by its root system. Bromegrass can be grown on a wide variety of soils and is very winter-hardy and palatable. Bromegrass makes an excellent companion grass in hay and pasture mixes, as well as in silage and green chop.

**Planting Rate:**
- Alone: 15-25 pounds per acre
- In a Mix: 6-12 pounds per acre
- Depth: ¼”
**BARIDANA ORCHARDGRASS**
A late variety that is drought and heat tolerant and is very winter-hardy. Baridana offers excellent rust resistance, high digestibility and protein levels. Baridana makes a nice dense sward without the typical orchardgrass clumps.

**BARAULA ORCHARDGRASS**
A late maturing, less clumpy orchardgrass variety that is very winter hardy and provides high feed value. Excellent variety to mix with alfalfa.

**INTENSIV ORCHARDGRASS**
A very late maturing variety from Barenbrug. Winter hardy with excellent disease tolerance. Intensiv has a high leaf-to-stem ratio and excellent digestibility. Highly suited for planting with alfalfa in mixed stands.

**HLR ORCHARDGRASS BLEND**
A blend of late maturing orchardgrasses, including: Intensiv, Baridana and Baraula orchardgrasses.

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**ANNUAL RYEGRASS**
Primarily used as a quick establishing crop for erosion control, emergency forage, cover crop, and in lawn, pasture and waterway mixes.

**Planting Rate:**
- Alone: 25-35 pounds per acre
- In a mix: 10-15 pounds per acre
- Depth: ¼"

**GULF ANNUAL RYEGRASS**
An economical variety that is considered a true annual.

**RIVAL ANNUAL RYEGRASS**
An improved annual ryegrass variety that is a later maturing tetraploid with fast growth and regrowth. Rival is palatable with a high feed value.

**BRUISER ANNUAL RYEGRASS**
A new annual diploid ryegrass with excellent cold tolerance and disease resistance. It is late maturing and has high feed quality, making it an excellent annual for grazing or for use as a cover crop.

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**ITALIAN RYEGRASS**
These fast establishing ryegrasses very seldom head out the same year they are planted and are used as a cover crop, in pastures and in waterway mixes. Also used as a nurse crop for alfalfa. In mild winters can act as a perennial.

**Planting Rate:**
- Alone: 30-40 pounds per acre
- In a mix: 6-20 pounds per acre
- Depth: ¼"

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**PERENNIAL RYEGRASS**
Perennial Ryegrasses are quick establishing, very palatable grasses that are used in long term hay and pasture mixes.

**Planting Rate:**
- Alone: 25-40 pounds per acre
- In a mix: 10-20 pounds per acre
- Depth: ¼"

**BG-34 PERENNIAL RYEGRASS**
A very popular diploid blend of late maturing winter-hardy varieties noted for their persistence, disease resistance and high digestibility.

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**FESTULOLIUM**
Festuloliums are a hybrid cross between perennial ryegrass and meadow fescue. Festuloliums demonstrate the palatability of ryegrass and the toughness of fescue.

**Planting Rate:**
- Alone: 35-45 pounds per acre
- In a mix: 15-20 pounds per acre
- With alfalfa: 2-3 pounds per acre
- Depth: ¼"

**DUO FESTULOLIUM**
A high powered variety that was the highest yielding variety in its class when introduced. DUO is highly palatable with high feed value and persistence.

**BARFEST FESTULOLIUM**
A late maturing, persistent, winter-hardy variety with outstanding palatability and yields.
FESCUE

Fescues are the most commonly used grasses as they can be used for forage, pastures, waterways, lawns and erosion control. Fescues are one of most drought resistant field plants grown and maintain themselves under conditions of low fertility.

Planting Rate:
- Alone: 20-25 pounds per acre
- In a mix: 4-10 pounds per acre

Depth: ¼”

Per 50 lb. bag

<table>
<thead>
<tr>
<th>FESCUE</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronson Tall Fescue</td>
<td>$123.00</td>
</tr>
<tr>
<td>Bariante Tall Fescue</td>
<td>$162.00</td>
</tr>
<tr>
<td>Barolex Tall Fescue</td>
<td>$123.00</td>
</tr>
<tr>
<td>Strataf 43 Tall Fescue</td>
<td>$120.00</td>
</tr>
<tr>
<td>Preval Meadow Fescue</td>
<td>$160.00</td>
</tr>
<tr>
<td>Baroptima Plus E34 Tall Fescue</td>
<td>$97.75</td>
</tr>
<tr>
<td>Turf Perfect Lawn Seed</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

TIMOTHY

Timothy is a perennial, cool season bunchgrass best suited for hay production, but also does well in grass pasture and waterway mixes.

Planting Rate:
- Alone: 8-10 pounds per acre
- In a mix: 2-6 pounds per acre

Depth: ¼”- ½”

Per 50 lb. bag

<table>
<thead>
<tr>
<th>TIMOTHY</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climax Timothy</td>
<td>$96.00</td>
</tr>
<tr>
<td>Tuukka Timothy</td>
<td>$112.00</td>
</tr>
<tr>
<td>Tiffany Teff Grass</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

TEFF GRASS

A warm season annual grass that produces high quality hay in a relatively short growing season. Offers producers the quality and palatability of timothy. Can be used to improve a poor stand of alfalfa or for double cropping after small grain crops. Tiffany is a great hay or pasture crop when late season plantings are required due to crop failure. Tiffany Teff has a small seed, similar to alfalfa. Requires a frost free growing season.

Planting Rate:
- Alone: 5-8 pounds per acre
- In a mix: 2-5 pounds per acre

Per 50 lb. bag

<table>
<thead>
<tr>
<th>TEFF GRASS</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tiffany Teff Grass</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

TURF PERFECT LAWN SEED

Mixes: 3-5 pounds per 1000 square feet

Depth: ¼”

Per 50 lb. bag

<table>
<thead>
<tr>
<th>LAWN SEED</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Purpose Lawnseed Mix</td>
<td>$49.00</td>
</tr>
<tr>
<td>Sunny Lawnseed Mix</td>
<td>$56.50</td>
</tr>
<tr>
<td>Ruff and Tuff Turf Mix</td>
<td>$47.00</td>
</tr>
<tr>
<td>Urban Lawnseed Mix</td>
<td>$61.00</td>
</tr>
</tbody>
</table>
**ALENE KENTUCKY BLUEGRASS** . . . . . . . . . . . . . . . . per 50 lb. bag $138.00
A dark green, high yielding variety with improved disease resistance. Alene does well in normal and dry land conditions.

**WILDHORSE KENTUCKY BLUEGRASS** . . . . per 50 lb. bag $140.00
Rich, green color with rapid germination and excellent disease resistance.

**TURF-TYPE PERENNIAL RYEGRASS** . . . . . . . . . . . per 50 lb. bag $98.00
A quick establishing, lower growing, fine-bladed grass that does well in sunny areas. Plant 8-10 lbs. per 1,000 square feet.

**TURF-TYPE FESCUE** . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $92.00
A fine-bladed and very tough fescue that can withstand foot and vehicle traffic much better than other lawn grasses. Plant 6-8 lbs. per 1,000 square feet.

**CANARYGRASS**
A tall, cool season grass that has the ability to withstand flooding and is also very drought tolerant.

**Planting Rate:**
- Alone: 8-12 pounds per acre
- In a mix: 3-5 pounds per acre
- Depth: ¼" - ½"

**PALATON REEDS CANARYGRASS** . . . . . . . . . . . . . . per lb. $10.00
A newer variety with a low alkaloid content, making it palatable to grazing animals. Palaton is higher yielding than other varieties and is well suited for pasture and haymaking.

**VETCHES, TREFOILS & CHICORY**

**CROWN VETCH** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per lb. $16.75
A cool season perennial legume primarily used to control erosion and stabilize banks and terraces. It is slow to establish, so it is important to control weeds during establishment. Inoculant recommended.

**Planting Rate:**
- Alone: 10-15 pounds per acre
- In a mix: 3-10 pounds per acre
- Depth: ½"

**HAIRY VETCH** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per 50 lb. bag $95.00
A vigorous winter annual that is used mostly for green manure. Hairy Vetch can be seeded in corn at the last cultivation or planted with winter rye in the fall. Hairy Vetch provides good dry matter and excellent hay production, and builds nitrogen for the next crop. When planted in mid-August can be 3-4 feet tall by mid-May the following year. Inoculant recommended.

**Planting Rate:**
- Alone: 25-40 pounds per acre
- In a mix: 15-20 pounds per acre
- Depth: ½" - 1"

**AC GREENFIX CHICKLING VETCH** . . . . . . . . . . . per 50 lb. bag ASK
An annual legume used to increase Nitrogen and soil fertility. Plant in the Spring; best results are obtained if allowed to grow for 60-70 days. Can produce 80-100 units of Nitrogen per acre. Excellent green manure crop. Inoculant recommended.

**Planting Rate:**
- Alone: 50-60 pounds per acre
- Depth: 2-3"

**TREFOILS** Preinoculated non-bloating perennial legumes that are tolerant to a wide range of soils and can persist in wet, shallow areas and acidic areas. Trefoils are primarily used in mixes with grasses and legumes. Trefoils are slower to establish and do not take shading well, therefore it is important to control weeds during establishment.

**Planting Rate:**
- Alone: 5-8 pounds per acre
- In a mix: 3-5 pounds per acre
- Depth: ¼" - ½"

**CERTIFIED NORCEN BIRDSFOOT TREFOIL** . . . . . . . . . . per 50 lb. bag $4.75
A faster establishing, slender, leafy trefoil that will grow to a height of 2-3 feet tall. Norcen is a very popular trefoil that is higher yielding than other trefoils and very winter hardy and persistent. Norcen has good regrowth after cutting and has an intermediate growth habit.

**BRUCE BIRDSFOOT TREFOIL** . . . . . . . . . . . . . . . . . per lb. $4.80
A new release with superior seedling vigor for quicker establishment and a better ability to compete.

**BULL BIRDSFOOT TREFOIL** . . . . . . . . . . . . . . . . . . . . . . per lb. $4.80
A large leaf variety of trefoil that has a deep branching root system. Bull is an early trefoil variety that has an excellent ability to compete and establish with alfalfa, grasses and other legumes. Bull has an excellent winter-hardiness rating and drought stress tolerance rating.

**CHICORY** Perennial taproot herbs that provide high levels of minerals and proteins. Chicories are primarily used for pasture in the summer and fall and are highly drought tolerant. Chicories are highly palatable and highly digestible and should be rotationally grazed for best overall performance.

**Planting Rate:**
- Alone: 6-8 pounds per acre
- In a mix: 2-5 pounds per acre
- Depth: ¼" - ½"

**FORAGE FEAST CHICORY** . . . . . . . . . . . . . . . . . . . . . . . . . . . per lb. $7.60
An improved chicory variety with high digestibility. Highly palatable to all livestock classes.

**SIX POINT CHICORY** . . . . . . . . . . . . . . . . . . . . . . . . . per lb. $6.75
A hardy, nutrient rich herb widely adapted in the U.S. Excellent companion in wildlife and grazing mixtures.
RAPE SEEDS  High yielding, fast growing brassicas. Rapes are an excellent source of crude protein and energy and will produce into freezing temperatures in late fall-early winter if they have not headed out. Rape seeds are best utilized in mixes with other brassicas for sheep and cattle grazing and are very popular in wildlife mixes. Rape seeds may blister white pigs.

Planting Rate:
- Alone: 6-10 pounds per acre
- In a mix: 3-6 pounds per acre
- Depth: ½”

DWARF ESSEX RAPE SEED  $2.00
A lower growing rape that is very nutritious and provides high protein and energy levels. 40-50 day maturity.

BONAR RAPE SEED  $2.80
A newer high yielding, late maturing variety that was specifically bred for improved palatability and higher leaf to stem ratio. 90-110 day maturity.

BARSICA FORAGE RAPE SEED  $3.25
An early maturing forage rape with high yields and excellent cold tolerance.

RADISH  An annual cool season brassica used as a fast growing cover crop, for organic matter production, and to break up compacted soil. Scaevenges nitrogen and other nutrients. Plant 8-12 lbs. per acre. 40-60 day maturity.

GROUND HOG RADISH  $2.75
TILLAGE RADISH  $3.20

TURNIPS  An excellent source of forage for fall/winter grazing for sheep, beef, dairy and wildlife. Turnip leaves offer the highest concentration of protein and yield of any leaf and are firmly anchored into the ground for minimal plant waste.

Planting Rate:
- Alone: 3-6 pounds per acre
- In a mix: 1-3 pounds per acre
- Depth: ¼”

PURPLE TOP TURNIPS  $2.75
Traditional large bulb; can be used for pasture. After the livestock eat the tops they will pull out the tubers and eat the turnips as well. 55 day maturity.

APPIN FORAGE TURNIPS  $3.25
These turnips were bred for fast, vigorous establishment and quick maturity. Appin has a significantly higher proportion of leaf yield compared to other turnips and is multi-crowned (plants have several growth points) for improved regrowth potential. 60-100 day maturity.

BARKANT FORAGE TURNIPS  $3.50
An improved variety of turnips that has a distinctive tankard shaped bulb and high leaf to stem ratio. Barkant turnips are an early maturing turnip that provide very high concentrations of protein and yields in the leaf. 60-90 day maturity.

OTHER BRASSICAS

PASJA HYBRID FORAGE BRASSICA  $3.25
An early maturing, high yielding variety with sweet leaves bred for multiple grazings, rapid regrowth and high performance. Pasja is very leafy and suitable for all classes of livestock, providing exceptional summer feed with high nutritional value. 50-60 day maturity.

T-RAPTOR HYBRID FORAGE BRASSICA  $3.50
An early maturing hybrid brassica, a cross between a forage turnip and a forage rape, with a higher leaf-to-bulb ratio. Available for grazing in 40-55 days. An excellent late summer feed source.

MAJOR PLUS SWEDE  $5.20
A full maturity swede (from 160 days) characterized by its yellow fleshed broad elliptical shaped bulb with red skin color. 84% of its yield is in the bulb.

KESTREL KALE  $5.50
A full maturity leafy kale variety with short stems. Bred for high digestibility. 150-220 days to grazing. Suitable for dairy, beef, sheep, and deer.

WILDLIFE PERFECT SEEDS

Please browse through our catalog to see the wide variety of seed available for wildlife. Our other sections include more information on items such as rape seed, turnips, chicory, milo, peas, clover, grasses, grains and much more!

BIG BUCK PERennial MIX  Per 25 lb. bag $84.00
Specially formulated for long-term plots. This mix contains items that deer love including Yellow Blossom Sweet Clover, Starfire Red Clover, Delar Burnett, Berseem Clover, Duo Festuclium, Jumbo Ladino Clover, and Chicory. Increases animal size and antler size.

BIG BUCK Annual MIX  Per 25 lb. bag $47.00
A high energy, highly nutritious annual mix containing Austrian Winter Peas, Forage Turnips, Swedes, Forage Brassica and Rape. Very popular with wildlife enthusiasts!

SWEET SPot MIX  Per 15 lb. bag $66.00
A specialty deer mix by Sucraseed with high sugar grasses for increased weight and antler size. A mixture of High Sugar Grasses (HSG’s), White & Red Clovers, Turnips, and Chicory.

DELAR Small Burnett  Per 50 lb. bag $225.00
A perennial evergreen forb that produces into the winter and is relished by wildlife. Grows 15-18” tall. Plant 15-20 lbs. per acre.

PEREDOVIC Sunflowers  Per 50 lb. bag $31.00
High yielding, high oil content sunflowers that are very palatable and a great wildlife food source. Plant 5-8 lbs. per acre in 28-36” rows. 95-100 day maturity.

BUCK Forage Oats  Per 50 lb. bag $34.50
A wildlife specific variety that is late maturing and stays green going into the winter, increasing grazing potential for wildlife. Buck Oats offer high protein, perfect for the deer hunter wanting good weight gain and antler size.

SAINFoIN  Per lb. $3.00
A non-bloating, deep rooted perennial, very drought resistant, palatable legume used for grazing. Excellent deer attractant. Plant 1/2” to 3/4” deep. Plant 20-30 lbs. per acre. Inoculant recommended.

SUGAR BEETS  Per lb. $8.00
A very nutritious, leafy, palatable forage for deer. Deer will eat the leaves and the root. 70-90 day maturity. Exceptional winter carryover value with high sugar and protein content. Plant 6-8# per acre in the Spring.
SORGHUM, SORGHUM-SUDAN, & SUDANGRASS

These products all provide high producing, warm season summer forage, ideal for emergency crop situations or in rotations. None of these crops should be used for horses and all require a soil temperature above 60° for several days before planting. In order to avoid prussic acid poisoning, do not pasture these forages until they are knee high and do not graze regrowth occurring after frost.

**BMR SORGHUM SUDAN HYBRID (NutriPlus)** $56.00
An improved hybrid that is preferred by livestock for its palatability and digestibility. Animal performance is much improved with this variety. The BMR (brown mid rib) trait is significant because this new trait has less lignin, making the grass more digestible and the animal not only eats more of the grass, but also digests it better, resulting in better gains and higher milk production. Gene 6.

**Planting Rate:**
- Alone: 25-30 pounds per acre
- Depth: ½"-1"

**WMR SORGHUM SUDAN HYBRID (Cadan 99B 3-way cross)** $50.00
A white mid-rib with low lignin content. Bred with a dry stalk gene for faster dry-down. Bred for high protein, sweet flavor, high tonnage, high sugar content and good standability.

**Planting Rate:**
- Alone: 25-30 pounds per acre
- Depth: ½"-1"

**SORGHUM SUDAN HYBRID (Special Effort)** $36.00
A hybrid that can be used for pasture, hay or silage.

**Planting Rate:**
- Alone: 25-30 pounds per acre
- Depth: ½"-1"

**PRO-MAX BMR HYBRID SUDANGRASS** $84.00
The first true sudangrass with the brown mid rib (BMR) trait. The BMR trait has a lower lignin content, giving producers higher palatability and digestibility thus more efficient animal gains. This is a great high quality summer forage that thickens with each grazing. Start grazing at 20-25 inches and leave a 6-8 inch stubble for best regrowth. Harvest for hay at 40-49 inches. Gene 12.

**Planting Rate:**
- Alone: 25-30 pounds per acre
- Depth: ½"-1"

**PIPER SUDANGRASS** $54.00
Has finer stems and produces finer quality hay.

**Planting Rate:**
- Alone: 25-30 pounds per acre
- Depth: ½"-1"

**REDTOP PLUS BMR FORAGE SORGHUM HYBRID** $64.00

**Planting Rate:**
- Alone: 12-15 pounds per acre
- Depth: 1"

**MILLETs**

All millets require a soil temperature above 60° for several days before planting. Severe drought conditions may cause prussic acid poisoning in millets. Cutting and drying for hay minimize potential risks. Do not use millets for horses.

**MILO OR GRAIN SORGHUM** $22.00
Also referred to as grain sorghum, Milo can be used for summer forage in a rotation or as an emergency crop. Gets 4-5 feet tall; matures in about 100 days.

**Planting Rate:**
- Alone: 15 pounds per acre
- Depth: 1½"-2½"

**WGF (Wild Game Food) MILO** $46.00
An early maturing grain sorghum, 24"-34" in height, excellent for wildlife. Mid-bloom in 45 days; mature seed in 85-100 days.

**Planting Rate:**
- Alone: 15 pounds per acre
- Depth: 1½"

**JAPANESE MILLET** $48.00
 Gives the most tonnage of all the millets. It will make 3-4 crops if it is not allowed to head out. Japanese millet likes ample amounts of Nitrogen and should be fertilized between cuttings.

**PROSO MILLET** $30.00
A grain millet primarily used for bird and livestock feed. Proso has the unique ability to shoot tillers and withstand drought. Does not recover after cutting.

**GERMAN MILLET** $38.00
Used for hay because of its fine stems and leafiness. German millet is a foxtail millet and produces a one cut crop that must be cut at late boot or early bloom stage.

**PEARL MILLET** $52.00
The tallest of the millets (growing 7-10 feet tall). Pearl is course and similar to sorghum-sudan, but is easier to dry down for hay. Can be used for hay, pasture and silage and will produce several crops if cut or pastured before it heads out. It is recommended to leave a 10" stubble for regrowth.

**NATIVE WARM SEASON GRASSES**

These grasses make 70% of their growth after June 15th, providing grazing in July & August, when cool season grasses taper off. Native grasses are extensively used in pasture and crop protection programs. Weed control is vital during establishment since native grasses are very slow establishers. Do not graze lower than 6-8 inches.

All native warm season grasses are sold on a pure live seed (PLS) basis.
**Planting Rate for Native Grasses unless stated:**

**Alone:** 6-10 PLS pounds per acre

**Per PLS lb.**

**BIG BLUESTEM** .......................... ASK

The tallest of the native grasses (3-9 feet) and has a large root system (12-13 feet deep), which gives it a great deal of drought tolerance. Do not graze until at least 16” tall and give the plants rest before frost.

**LITTLE BLUESTEM** .......................... ASK

Grows 3-5 feet tall and has finer leaves than Big Bluestem. It is more drought tolerant and does best on medium and dry soils.

**CAVE IN ROCK SWITCHGRASS** .......................... ASK

A tall variety (up to 6 feet tall) that is used in waterways and for wildlife nesting.

**FORESTBURG SWITCHGRASS** .......................... ASK

A shorter variety (3 to 5 feet tall) used for wildlife habitat or to control erosion. Winter hardy. Best suited to light or medium textured soils.

**INDIANGRASS** .......................... ASK

A medium sized grass that spreads by seeds as well as underground stems and grows 4-6 feet tall. It is quicker growing, drought tolerant and very nutritious and palatable.

**SIDE OATS GRAMA** .......................... ASK

Heads look like an oat seed and it adapts to a wide range of soils. Side Oats Grama has good spring vigor and easier establishment than other native grasses and grows to a maximum of 2 feet tall.

**CANADA WILD RYE** .......................... ASK

A perennial native species that grows 2-5 feet tall and is adaptive to varying soils. A great ground cover.

**Planting Rate:**

**Alone:** 10-12 pounds per acre

**Depth:** 1/4”

**NATIVE GRASS & WILDFLOWER MIXES**

**MIDWEST WILDFLOWER MIX** .......................... Per lb. $30.00

Order early to ensure price and availability on CP mixes.

**CP2 MIX** .......................... ASK

**CP25 MIX** .......................... ASK

**CP33 MIX** .......................... ASK

**OTHER CP MIXES** .......................... ASK

**OATS**

We have the highest yielding oats and the newest releases. Ask us for yield data. Oats are listed by their maturity (early to late). BYDV is an abbreviation for Barley Yellow Dwarf Virus. Most of our oats are in 1½ bushel size bags.

**Planting Rate:**

**Grain Crop:** 2-3 bushels per acre

**Nurse Crop:** 1-1½ bushels per acre

**Depth:** ½”-1”

**CERTIFIED SHELBY 427 OATS** .......................... Per Bushel $10.25

A new release from South Dakota. Early, tall oat with superior yield, disease resistance, standability, and test weight.

**CERTIFIED HORSEPOWER OATS** .......................... Per Bushel $10.25

A short oat with early to medium maturity and excellent yield potential. This white hulled oat has excellent crown rust resistance, average test weight, and a moderate resistance to smut and BYDV. Released in 2011 by South Dakota.

**IN09201 OATS** .......................... $9.85

One of our most popular oats; the IN09201’s are a short, high yielding variety with resistance to BYDV.

**CERTIFIED JIM OATS** .......................... $9.85

A tall oat with high yields and test weights. Jim is an excellent lodge resistant oat and tolerant to BYDV.

**REGISTERED JIM OATS** .......................... $11.35

**EXCEL OATS** .......................... $9.85

Released in 2008 by Purdue University. A medium tall variety with strong straw and high yields.

**CERTIFIED JERRY OATS** .......................... $9.85

A medium-tall, medium maturing oat with high test weight, groat percent, and whole oat protein. Jerry has medium high protein and is moderately susceptible to BYDV and crown rust and moderately resistant to stem rust.

**NON CERTIFIED JERRY OATS** .......................... $9.50

**MORTON OATS** .......................... $9.80

A tall, late oat with heavy test weight. Excellent for silage.

**FRANK FORAGE OATS** .......................... $10.80

A tall variety with good standability; excellent for haylage.

**CERTIFIED GOLIATH OATS** .......................... $11.00

A new, exciting 2012 release, Goliath is a very tall and late oat with excellent grain, straw and forage yields. A great choice for grain, hay or silage.

**COVER CROP OATS** .......................... $8.50

For use as a cover crop. Variety Not Stated Oats. Maturities and color may vary.

**MISCELLANEOUS GRAINS**

**CERTIFIED LACEY SPRING BARLEY** .......................... 48 lb. bag Per bu. ASK

A 6-row smooth awned barley. Very good standability. Maturity similar to Robust.

**ROBUST SPRING BARLEY** .......................... 48 lb. bag Per bu. ASK

An earlier 6 row barley with med-tall height, good test weight and yield.

**HAYBET SPRING BARLEY** .......................... 48 lb. bag Per bu. $19.50

A two row forage barley. Produces significantly more fodder.

**WINTER RYE** .......................... 56 lb. bag Per bu. $17.25

An excellent choice for a fall rotation crop or cover crop.

**CERTIFIED BRIGGS HARD RED SPRING WHEAT** .......................... 60 lb. bag Per bu. $17.00

An early maturing spring wheat, moderately resistant to stem rust and stripe rust. Good milling and baking qualities.

**VNS HARD RED WINTER WHEAT** .......................... 60 lb. bag Per bu. $17.75

Variety not stated.
**LIMAGRAIN L334 BRAND SOFT RED WINTER WHEAT**

- Food grade, medium height, medium thin plant. Buff hilum.

**BUCKWHEAT**  
- Use for green manure and cover crop.

**SPRING TRITICALE**  
- A cross between fall rye grain and spring wheat.

**WINTER TRITICALE**  
- A cross between fall rye grain and winter wheat.

**AUSTRIAN WINTER PEAS**  
- A new winter pea with improved winter hardiness. Upright canopy with good biomass. Excellent cover crop.

**WINDHAM WINTER PEAS**  
- An excellent forage variety, tall with large leaves. Great weight, and winter hardiness. Beardless. Shorter plant with excellent straw strength.

**4010 FIELD PEAS**  
- An excellent forage variety, tall with large leaves. Great performance.

**COPEA**  
- A highly nutritious winter annual great for silage and green manure and an excellent wildlife feed.

**SUCCTASH**  
- Per 50 lb. bag ASK

**SOYBEAN-MIL-O MIX**  
- A mix of Milo & a Group 4-5 tall late soybean used primarily for haylage or silage.

**SOYBEANS**

- **MYCOGEN R2**  
  - NT $61.90

- **MERSCHMAN R2**  
  - T $61.00

- **MERSCHMAN LIBERTY LINK**  
  - T $48-50

- **WS2620 BRAND CONVENTIONAL NON-GMO**  
  - NT $35.00

- **WS2620 BRAND CONVENTIONAL NON-GMO**  
  - NT $36.00

- **eMERGE 2162 CONVENTIONAL NON-GMO**  
  - NT $42.00

- **eMERGE 2692 CONVENTIONAL NON-GMO**  
  - NT $38.00

- **eMERGE 2782 CONVENTIONAL NON-GMO**  
  - NT $41.00

**SWEET CORN**

**PEACHES 'N CREAM**  
- Per lb. $12.75

**TEMPLATION**  
- Per lb. ASK

**AMBROSIA**  
- Per lb. $13.50

**BODACIOUS**  
- Per lb. $13.00

**JACKPOT**  
- Per lb. $13.50

**CREAMY**  
- Per lb. $13.00

**EARTH & KELP MEAL**  
- Per lb. ASK

**KELP MEAL**  
- Per lb. ASK

**INOCULANT**

**ALFALFA/CLOVER**  
- Per 100 lb. size $12.70

**BIRDSFOOT TREFEIL**  
- Per 50 lb. size $7.40

**CROWNVETCH**  
- Per 1500 lb. size $8.00

**PEA/VETCH**  
- Per 30-unit size $85.00

**PEA/VETCH**  
- Per 50-unit size $8.50

**SOYBEAN**  
- Per 6-unit size $12.70

**SOYBEAN**  
- Per 50 unit size $8.50

**SAINFOIN**  
- Per 100 lb. size $9.40

**DIATOMACEOUS EARTH & KELP MEAL**

- Per 50 lb. bag $26.00

**DIATOMACEOUS EARTH**  
- Also known as Diatom Shell Flour; DE is a mineral compound mined from old lake beds used by organic growers as an animal feed supplement and for insect and parasite control.
## CERTIFIED ORGANIC SEED

<table>
<thead>
<tr>
<th>ORGANIC GALAXY II BRAND MULTILEAF ALFALFA</th>
<th>$290.00</th>
<th>A high yielding alfalfa with exceptional forage quality and disease resistance. Excellent choice for long rotations. DRI=30/30  WSI=2.1  FD=4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORGANIC MULTI-LEAF ALFALFA</td>
<td>$260.00</td>
<td>An excellent high producing, leafy alfalfa that gives increased relative feed value and milk. DRI=27/30  WSI=2.1  FD=3</td>
</tr>
<tr>
<td>ORGANIC ALLSTAR BRAND ALFALFA</td>
<td>$275.00</td>
<td>An improved, long-lasting, high yielding variety. Very fine leafed; fast recovery. DRI=27/30  WSI=2  FD=3</td>
</tr>
<tr>
<td>ORGANIC VNS ALFALFA</td>
<td>$290.00</td>
<td>A variety not stated, Vernal type alfalfa.</td>
</tr>
<tr>
<td>ORGANIC RED STAR BRAND RED CLOVER</td>
<td>$191.00</td>
<td>An excellent variety with maximum winter-hardiness, longevity and disease resistance.</td>
</tr>
<tr>
<td>ORGANIC MEDIUM RED CLOVER</td>
<td>$176.00</td>
<td>An economical biennial red clover.</td>
</tr>
<tr>
<td>ORGANIC RIVENDEL WHITE CLOVER</td>
<td>$260.00</td>
<td>(w/Apex™ Green)</td>
</tr>
<tr>
<td>ORGANIC JUMBO WHITE CLOVER</td>
<td>Per lb. $10.75</td>
<td>A large leaved variety with a vigorous growth habit. Excellent for grazing.</td>
</tr>
<tr>
<td>ORGANIC YELLOW BLOSSOM SWEET CLOVER</td>
<td>$116.00</td>
<td>A great soil builder, used in plowdowns, pastures and in haymaking.</td>
</tr>
<tr>
<td>ORGANIC ALTA-SWEDE MAMMOTH RED CLOVER</td>
<td>$132.00</td>
<td>A tall, single cut clover, super soil builder.</td>
</tr>
<tr>
<td>ORGANIC ALSIKE CLOVER</td>
<td>$170.00</td>
<td>A palatable short-lived perennial that does well on lowlands and acid soils. Great in pastures as it tolerates flooding.</td>
</tr>
<tr>
<td>ORGANIC PLOWDOWN MIX</td>
<td>$139.00</td>
<td>1/3 Alsike, 1/3 Sweet Clover, 1/3 Mammoth Red Clover. A great soil builder and nitrogen provider.</td>
</tr>
<tr>
<td>ORGANIC DEEP TILL BRAND RADISH</td>
<td>Per lb. $4.10</td>
<td>An excellent cover crop that enhances and builds the soil while capturing important nutrients. Deep rooted radishes offer substantial forage, break up hardpan, allowing air and water infiltration and leave the ground subtle and nutrient rich for the crop that follows.</td>
</tr>
</tbody>
</table>

### PERENNIAL RYEGRASS

| ORGANIC MULTIMO ITALIAN RYEGRASS         | $180.00 | An Italian ryegrass tetraploid with early spring growth and moderate rust resistance.                                            |
| ORGANIC PREMIUM DIPLOID PERENNIAL RYEGRASS | $245.00 | A late heading variety with consistent high forage yields and a very efficient user of Nitrogen. At lower Nitrogen levels, Premium will out produce most other perennial ryegrass. |
| ORGANIC CALIBRA TETRAPLOID PERENNIAL RYEGRASS | $245.00 | An intermediate maturing, quick establisher that is very winter-hardy. A perfect companion in any pasture.                      |
| ORGANIC TIVOLI TETRAPLOID PERENNIAL RYEGRASS | $245.00 | A later maturing variety with an erect growth habit. An excellent companion for grass hay and alfalfa mixes.                  |
| ORGANIC KENTAUR PERENNIAL RYEGRASS       | $245.00 | A intermediate maturing tetraploid perennial ryegrass that is an ideal choice for early grazing, haymaking and silage.       |
| ORGANIC STORM INTERMEDIATE RYEGRASS      | $195.00 | A late heading variety with high yields, quick establishment and strong disease resistance. An excellent choice for short term pasture when high yields and high forage quality are required. |
| ORGANIC GULF ANNUAL RYEGRASS             | $72.00  | Use for cover crop or short rotations.                                                                                         |
| ORGANIC LAURA MEADOW FESCUE              | $250.00 | An early spring growth habit and an early heading date, make Laura ideal for competing with pasture grasses and will stand grazing extremely well. |
| ORGANIC KORA TALL FESCUE                 | $253.00 | A medium maturing tall fescue well suited for green chop, pasturing or haymaking.                                              |
NEW

45% Organic 4010 Field Peas, 55% Organic Oats

For seed production: 50 pounds per acre
For green manure: 50-90 pounds per acre

A cross between winter rye and winter wheat.

A medium-tall, late oat with high test weight.

A tall, leafy variety; excellent for forage. Inoculant recommended.

A variety not stated oat, maturity and color may vary.

An excellent choice for a fall rotation crop or cover crop.

Our organic and conventional corn and beans have not been produced using genetic engineering, however we cannot guarantee them to be 100% free of GMO’s. The purchase of organic and conventional seed does not guarantee the grain will be marketable as a non-GMO product due to possible contamination from outside sources.

<table>
<thead>
<tr>
<th>ORGANIC COVER CROP OATS</th>
<th>Per bu.</th>
<th>$11.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>A variety not stated oat, maturity and color may vary.</td>
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<table>
<thead>
<tr>
<th>ORGANIC WINTER RYE</th>
<th>Per 56 lb. bag</th>
<th>$23.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>An excellent choice for a fall rotation crop or cover crop.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cover Crop Mixes

**N-Vest® Crimson Cover-All Mix:** Mixture containing Crimson Clover and GroundHog Radishes
- Produces and scavenges nitrogen
- Crimson Clover can produce up to 140 units of N/Acre
- GroundHog Radishes can scavenge 130 units of N/Acre
- Plant 17-20#/Acre; July to early September

**N-Vest® Forager Mix:** Mixture containing Oats, Winter Rye, and Appin Turnips
- Excellent choice for aerial application into standing row crops.
- Ideal for grazing in winter and spring with 3.5#/day weight gain on cattle
- Scavenges nitrogen
- Plant 105#/Acre; July to early September

**N-Vest® NutriBuilder Mix:** Mixture of cold tolerant Annual Ryegrass, Crimson Clover, and GroundHog Radish
- Produces nitrogen up to 60-100 units of N/Acre
- GroundHog Radishes can scavenge 130 units of N/Acre
- Annual Ryegrass can scavenge 300 units of N/Acre
- Plant 21# per acre; July to early September

**N-Vest® Groundbreaker Mix:** Mixture containing Austrian Winter Peas and GroundHog Radishes
- Ground aeration and alleviates soil compaction
- Peas can produce up to 120 units of N/Acre
- GroundHog Radishes can scavenge up to 130 units of N/Acre
- Suppresses weeds and increases row crop yields
- Plant 35#/Acre; July to early September

**CASH DISCOUNTS**
- 5% December
- 4% January
- 3% February

**WE PAY 1/2 OF SHIPPING**
We ship UPS, SpeeDee and Freight across the country. We pay 1/2 shipping on all grass seeds, forbs and small seeded legumes on orders of 50 pounds or more. We do not pay 1/2 shipping on grains, DE, or Kelp Meal. Any item under 25 pounds will be subject to a handling fee of $3.00 per item. Mixing fee is $.06 per pound. Minimum mixing fee $3.00. For shipping charges or any other questions, please call 1-800-470-3325 or 1-800-728-8450.

**$15 DISCOUNT ON ALFALFA**
Save $15 per bag on our alfalfa (see page 1)

Prices and availability may change without notice.

More product information at www.WelterSeed.com