Eldora II 4.2 EX VF 35/35 EX EX Yes EX
Encore 4 EX VF 35/35 EX EX Yes VG
Entree RL        4.2 EX VF 34/35 G VG Yes EX
Hybriforce- 3400 4 EX VF 33/35 VG EX No EX
Hybriforce- 2420/WET 4 EX VF 34/35 EX EX Yes EX
Hoppernot 3 VG A 34/35 G G No G
L-446RR 4 EX VF 35/35 G G No VG

2200 3 G A 24/35 G G No G

For More Information:
ProHarvest Seeds
2737 N 700 E Rd
Ashkum, IL 60911
866.807.7015

For More Information:
Visit us at proharvestseeds.com to locate a dealer near you!
**Haymaster**

**Premium Hay Mixture**

**Description:** Haymaster is an ideal grass seed mixture for hay production in the West. Haymaster is a mix of Barenbrug’s elite late-maturing, soft-leaved tall fescues and late-maturing orchardgrass. Haymaster, reaches peak production in late spring and early summer after spring rains have subsided; providing growers the opportunity to swath hay in the dry season. The soft-leaf texture of the tall fescue matches well with the leaf softness of orchardgrass, making quality of mixed grass hay bale appealing to the hay buyer. Haymaster provides high yields into the summer. Unlike standard tall fescue, Barenbrug’s elite soft-leaved tall fescues maintain high forage quality through the summer months, resulting in high forage quality hay at every cutting.

**Fast Facts:**
1. Soft-leaved, late-maturing mixture
2. High yields into the summer
3. Highly palatable and digestible
4. Excellent source of digestible fiber
5. Ideal for planting alone or as companion with alfalfa
6. Extremely drought and heat tolerant
7. Persistent

**Adaptation:** Haymaster exhibits winter-hardiness as well as heat and drought tolerance.

**Establishment:** Haymaster may be planted in spring or fall. In areas with extreme summers, fall seeding is recommended. A well-prepared, firm seedbed is ideal for seeding. Plant no deeper than ¼ inch. Haymaster can also be no-till drilled into an existing alfalfa stand.

**Seeding Rate:**
- Full cultivation rate: 25 pounds per acre.
- Mixed planting with Alfalfa: 10 - 12 lbs/acre & 8 lbs/acre alfalfa
- Interplanting into existing alfalfa: 12 -15 lbs/acre

---

**Freedom Medium Red Clover**

- Multiyear variety bred for hay production
- Fine stem with reduced pubescence, which makes for a faster drydown
- Exceptional yield
- Excellent companion to Alfalfa
- Good heat and drought tolerance

**Evergraze Ladino White Clover**

- Big-leaved, high-yielding variety
- Great for high traffic and difficult areas
- Easy to establish
- Adapted to a wide range of soils
- Designed for use in mixtures with cool and warm season grasses for pasture and wild-game blends

**Red and White Clover Blend**

- Mix of Freedom Red Clover and Evergraze Ladino White Clover
- Add diversity to your pasture
- Excellent for frost seeding
ProMix Hay Mix

Features: This ready to seed mix includes alfalfa, orchard grass, and timothy. The premium varieties in this mix are selected for a superior yielding, high quality dry hay field or for haylage production. ProMix makes excellent horse and dairy quality hay.

Components:

<table>
<thead>
<tr>
<th>Species</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>65%</td>
</tr>
<tr>
<td>Orchard Grass</td>
<td>25%</td>
</tr>
<tr>
<td>Timothy</td>
<td>10%</td>
</tr>
</tbody>
</table>

Seeding Information:
- 25 lbs./acre;
  - 16 lbs. Alfalfa/acre
  - 6 lbs. Orchard Grass/acre
  - 3 lbs. Timothy/acre
- Seeding Depth: 1/8” to 1/4”
- Packaged in 25 lb. bags, 1 bag per acre

Alfalfa:
- Deep rooted legume with outstanding drought tolerance and yield during the hotter part of the summer.
- The long rotation Alfalfa selected for ProMix is a durable, fine stemmed, high yielding variety with great persistence and deep green foliage

Orchard Grass:
- High yielding, late maturing, great establishment
- Mix of superior varieties used for high quality hay and haylage

Timothy:
- High tonnage spring crop with great palatability
- Later maturing varieties used to provide for production beyond first cutting and have improved grazing tolerance

All Grass Hay Mix

Features: A 3 ingredient blend of festulolium, timothy, and orchard grasses, the all-grass-hay mix is designed for high yields and high-quality hay production. This mix can also be used alongside your favorite legume for a superior blend.

Components:

<table>
<thead>
<tr>
<th>Grass Species</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Festulolium</td>
<td>55%</td>
</tr>
<tr>
<td>Orchard</td>
<td>40%</td>
</tr>
<tr>
<td>Timothy</td>
<td>5%</td>
</tr>
</tbody>
</table>

Seeding Rate:
- 25-35 lbs./acre depending on soil type
- 8-15 lbs./acre mixed with a legume

Festulolium:
- Cross between fescue and ryegrass
- Excellent palatability, newer genetics with higher yield, improved quality
- Medium to late maturities
- Great companion to alfalfa

Orchard Grass:
- High yielding, late maturing, great establishment
- Mix of superior varieties used for high quality hay and grazing

Timothy:
- High tonnage spring crop
- Later maturing varieties used to provide for production beyond first cutting and have improved grazing tolerance
### Pasture and Forage Positioning Chart

<table>
<thead>
<tr>
<th>Alfalfa</th>
<th>Red Clover</th>
<th>Orchard Grass</th>
<th>Tall Fescue</th>
<th>Timothy</th>
<th>Perennial Ryegrass</th>
<th>Festulolium</th>
<th>Smooth Brome</th>
<th>Italian Ryegrass</th>
<th>White Clover</th>
<th>Forage Sorghum</th>
<th>Sorghum Sudan Grass</th>
<th>Hybrid Sudan Grass</th>
<th>Hybrid Pearl Millet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate in a Mix</td>
<td>8-16</td>
<td>5-15</td>
<td>4-8</td>
<td>8-15</td>
<td>3-6</td>
<td>6-12</td>
<td>6-12</td>
<td>8-18</td>
<td>6-12</td>
<td>1-4</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Persistence</td>
<td>9</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>5</td>
<td>5</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>9</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Drought Tolerance</td>
<td>10</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>6</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Winter Hardiness</td>
<td>9</td>
<td>9</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>8</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Palatability</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>10</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Yield Potential</td>
<td>10</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>9</td>
</tr>
<tr>
<td>Grazing Tolerance</td>
<td>8</td>
<td>10</td>
<td>8</td>
<td>10</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>8</td>
<td>9</td>
<td>9</td>
<td>N/A</td>
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<td>9</td>
</tr>
<tr>
<td>Disease Resistance</td>
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<td>9</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>8</td>
<td>9</td>
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<td>10</td>
<td>10</td>
<td>9</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>Management Level</td>
<td>High</td>
<td>Medium</td>
<td>Low</td>
<td>Medium</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Medium</td>
<td>Low</td>
<td>Medium</td>
<td>Medium</td>
</tr>
</tbody>
</table>

#### Pasture Mixes

- **BeefMaster**
  - 20% 50% 20%
  - 10%
- **StockMaster**
  - 25% 35% 40%
- **Quick to Grow**
  - 5% 25% 50% 15% 5%

#### Hay Mixes

- **HayMaster**
  - 20% 75% 5%
- **ProMix**
  - 65% 25% 10%
- **All Grass**
  - 40% 5% 55%

#### Frost Seeding/Broadcast

- **Quick to Grow**
  - 5% 25% 50% 15% 5%
- **Red & White Clover Mix**
  - 70% 30%
- **Grasshancer 300FLC**
  - 11% 85% 4%
- **Grasshancer 300FL**
  - 100%
**USES**

Beefmaster is ideal as a pasture mixture for stocker cattle, cows and calves. In addition, its dry matter production and quality make it suitable for haylage/baleage and hay production. Beefmaster is also an excellent product to overseed on existing stands.

**ESTABLISHMENT**

In moderate climates or in hot, dry areas with irrigation, Beefmaster can be planted in spring or early fall. In regions prone to summer drought, fall sowing is recommended. To ensure good establishment, a balanced fertilizer such as 100 lbs/acre of 20-20-20 (N-P-K) should be applied at planting. Beefmaster can be established via full tillage, no-till, or broadcast seeding methods. A well-prepared, firm seedbed is ideal for planting Beefmaster. Maintain a planting depth of 1/8 to ¼ inch. Beefmaster can also be seeded via a no-till drill to improve on existing pasture.

**SEEDING RATE**

- Seeding rate: 25 lbs/acre
- No-till seeding rate: 25 - 30 lbs/acre
- Broadcast seeding rate: 35 - 40 lbs/acre

**MANAGEMENT**

A rotational grazing system is recommended. Proper grazing promotes tillering of the perennial ryegrasses followed by rest periods which allow recovery for the orchardgrasses. Supplemental nitrogen fertilization will improve yield and quality.

---

**USES**

Stockmaster is ideal for cattle, sheep, goat, llamas, alpacas and horse pastures. Stockmaster can also be used for high-moisture cutting and hay production.

**ESTABLISHMENT**

In moderate climates or in hot, dry areas with irrigation, Stockmaster can be planted in spring or early fall. In regions prone to summer drought, fall sowing is recommended. To ensure good establishment, a balanced fertilizer such as 100 lbs/acre of 20-20-20 (N-P-K) should be applied at planting. Stockmaster can be established via full cultivation, no-till, or broadcast seeding. A well-prepared, firm seedbed is ideal for sowing. Recommended planting depth is 1/4 to 1/2 inch. Stockmaster’s seedling vigor and rapid establishment make it suited to no-till or broadcast seedings. After broadcasting, a light harrowing and rolling improves seed-to-soil contact and promotes establishment. Stockmaster can also be used to improve stand density of existing pastures; plant via no-till drill or broadcast seeding.

For broadcasting smaller areas, it is appropriate to broadcast and allow the animals to “hoof” plant the seed.

**SEEDING RATE**

- Seeding rate: 25 lbs/acre
- No-till seeding rate: 25 - 30 lbs/acre
- Broadcast seeding rate: 35 - 40 lbs/acre

**MANAGEMENT**

Given adequate grazing and fertility management, Stockmaster provides a quality, persistent pasture. Graze or mow to maintain a dense, vegetative stand. For grazing, implement a rotational system. Set your pasture grow to a height of 6 inches and then graze or mow to a 3 inch height. To enhance pasture productivity and nutritive value, add a high quality white clover such as Alice or Barblanca. Alice is an excellent selection for northern regions and Barblanca is suited to southern regions. Alice or Barblanca also provide a source of available nitrogen via nitrogen fixation, thus reducing fertilizer costs. Seed white clover at a rate of 2-3 lbs/acre.

---

**USES**

Stockmaster is ideal for cattle, sheep, goat, llamas, alpacas and horse pastures. Stockmaster can also be used for high-moisture cutting and hay production.

**ESTABLISHMENT**

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Quick to Grow Pasture Mix

**Features:** Quick-to-Grow is a 5 ingredient blend designed for a fast, easy start. This mix is a combination of festulolium, Italian ryegrass, perennial ryegrass, red clover, and white clover. Quick-to-grow is great choice for thickening existing pastures. This is a short term 3 to 4 year pasture blend.

**Components:**

<table>
<thead>
<tr>
<th>Grass Species</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Festulolium</td>
<td>50%</td>
</tr>
<tr>
<td>Italian Ryegrass</td>
<td>15%</td>
</tr>
<tr>
<td>Perennial Ryegrass</td>
<td>25%</td>
</tr>
<tr>
<td>Red Clover</td>
<td>5%</td>
</tr>
<tr>
<td>White Clover</td>
<td>5%</td>
</tr>
</tbody>
</table>

**Seeding Rate:**
- 10-20 lbs./acre frost seeding in existing stand
- 30-40 lbs./acre drill new seeding

**Festulolium:**
- Cross between fescue and ryegrass
- Palatable, winter hardy, very persistent
- Great for high traffic areas and bare spots in fields

**Italian Ryegrass:**
- Biannual, high yielding with a very fast establishment
- Extremely high energy and protein

**Perennial Ryegrass:**
- Most widely used cool season grass in the world.
- High in energy, good tonnage, very hardy varieties

**Clovers:**
- Fix nitrogen and reduce your fertilizer costs
- New and improved varieties for more yield and improved persistence

**Summer Annuals**

**AF7101 BMR Forage Sorghum**
- 82-85 day maturity; gene 6 hybrid
- One cut just like corn silage. Similar yields, higher quality
- Good standability and tonnage for maturity
- Requires 1/3 less N than corn, 1/3 less water
- Drought and heat tolerant

**AS6401 BMR Sorghum-Sudan Grass**
- 45-60 day maturity; great for multicut systems and grazing
- Best disease package available
- Great tonnage and quality
- Gene 6 hybrid; low lignin content
- Excellent for double cropping

**AS5201 Sorghum-Sudan Grass**
- 45-60 day maturity; great for multicut systems and grazing
- Best disease package available
- Great tonnage and quality
- Gene 6 hybrid; low lignin content
- Excellent for double cropping

**Alta Wonderleaf Millet**
- 40-50 day first cut; 30 days for additional cutting
- Pearl Millet; no prussic acid concerns
- Improved leaf count and good yields
- Great for chopping, baling, grazing and superior dry baling
- Will not outyield sorghum products

**Teff Grass**
- 35-45 day first cut; 30 days for additional cuttings
- Excellent emergency crop
- Very fine stemmed; great for haylage and dry hay
- Can be used in existing hayfields to add 1.5 to 3 tons in one crop
- Extremely small seeds; establishment can be tricky
### Customer Price Sheet

#### Alfalfa

<table>
<thead>
<tr>
<th>Bag Size</th>
<th>Per Seeding Rate</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>HR to Aphanomyces Race 2, high yield, great regrowth</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Deep green, yield &amp; quality, branch root for wet soils</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Reduced lignin, high digestibility, longer harvest time</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Round-Up tolerant, great for field problem, ideal yield</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Leaf hopper resistant, fits medium to long rotations</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>High Yielding hybrid, harvest flexibility, high quality</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Branch rooted hybrid alfalfa, high traffic tolerance</td>
</tr>
<tr>
<td>50 lb.</td>
<td>18-22</td>
<td>Economical blend, Uncoated</td>
</tr>
</tbody>
</table>

#### Key CT-Coated Seed, UCT-Uncoated Seed

<table>
<thead>
<tr>
<th>Clover</th>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freedom Red Clover</td>
<td>25 lb.</td>
<td>15-20</td>
</tr>
<tr>
<td>Medium Red Clover</td>
<td>50 lb.</td>
<td>15-20</td>
</tr>
<tr>
<td>Ever Graze White Clover</td>
<td>50 lb.</td>
<td>2-5</td>
</tr>
<tr>
<td>Alice White Clover</td>
<td>25 lb.</td>
<td>2-5</td>
</tr>
<tr>
<td>Crimson Clover</td>
<td>50 lb.</td>
<td>15-20</td>
</tr>
<tr>
<td>Alskie Clover</td>
<td>50 lb.</td>
<td>6-8</td>
</tr>
<tr>
<td>Yellow Blossom Sweet Clover</td>
<td>50 lb.</td>
<td>15-25</td>
</tr>
<tr>
<td>Mammoth Red Clover</td>
<td>50 lb.</td>
<td>15-20</td>
</tr>
<tr>
<td>Red &amp; White Clover Mix</td>
<td>25 lb.</td>
<td>6-10</td>
</tr>
</tbody>
</table>

#### Orchard Grass

<table>
<thead>
<tr>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLR Orchard Grass</td>
<td>25 lb.</td>
</tr>
<tr>
<td>Inavale Orchard Grass</td>
<td>50 lb.</td>
</tr>
<tr>
<td>STF 43 Tall Fescue</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Bar Opima + E-34</td>
<td>25 lb.</td>
</tr>
<tr>
<td>Fawn Tall Fescue</td>
<td>50 lb.</td>
</tr>
</tbody>
</table>

#### Timothy

<table>
<thead>
<tr>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barfles Timothy</td>
<td>50 lb.</td>
</tr>
</tbody>
</table>

#### Perennial Ryegrass

<table>
<thead>
<tr>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>BG-24T Per Ryegrass</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Spark Per Ryegrass</td>
<td>25 lb.</td>
</tr>
</tbody>
</table>

#### Festulolium

<table>
<thead>
<tr>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hostyn Festulolium</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Fojilan Festulolium</td>
<td>50 lb.</td>
</tr>
</tbody>
</table>

#### Other

<table>
<thead>
<tr>
<th>Size</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Spirit Italian Ryegrass</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Centurion Annual Ryegrass</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Smooth Brome</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Palaton Reed Canary grass</td>
<td>50 lb.</td>
</tr>
<tr>
<td>Watervale Mix</td>
<td>25 lb.</td>
</tr>
<tr>
<td>Midnight Kentucky Bluegrass</td>
<td>50 lb.</td>
</tr>
</tbody>
</table>

### All prices subject to change without notice

Increase Cover Crop seeding rates by 25% for Aerial or Broadcast Seeding

Increase seeding rates of Cover Crops by 50% if Grazing

Effective January 1, 2019
Let's talk about Yield 365. It's a year-round cropping system designed with you in mind. Our 365 day approach expands your yield potential. These ten dynamic strategies are based off of real, in the field, agronomic practices that build from season to season. 

Let's talk about your farm and your specific needs. Taking ideas and turning them into practical solutions is not only what we do, it is who we are. Let's start today!