

COVER CROPS



Cover Crop PDF

HYBRID BULBOSA



Hybrid bulbosa video

- Perennial Ground Cover
- Designed to provide ground cover early in the growing season.
- Dormant when cash crops are consuming water and nutrients.
- Underground dormant bulbs allow for virtually bare soil surface when sweeping tree nut crops.
- Orchard, under vine, and strip till as permanent cover crop.
- Improves soil percolation and biological activity.
- Extremely low nitrogen consumption - no yield drag.
- Varieties available:
 - RHB-55
 - RHB-307
 - RHB-350

COMING SOON

- **Prominent II (TSC/CRS)** perennial ryegrass
- **Resonance (NAI-CHU1)** chewing fescue

Columbia River Seed is comprised of 6 owners all firmly based in the heart of the Columbia River Basin. All of our owners are primary in cool season turf grass production. The Columbia Basin offers us a unique mild climate, long growing season, large amount of crop rotation, and high level of grower sophistication. Most of our production is grown under center pivot irrigation. Our seed crops are planted in the late summer/early fall and harvested the following June/July.

We are a grower, processor, and marketer of Kentucky bluegrass, perennial ryegrass, turf type tall fescue and fine fescue seeds.

Columbia River Seed is committed to providing our customers and our industry with Top Quality Products, Top Quality Services and Top Notch Integrity.

PRODUCT HIGHLIGHTS



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BRASSICAS

Atlantis Fodder Radish

- Excellent Nitrogen Scavenger
- Weed Suppressor
- Deep Subsoiler
- Easy Winterkill
- Reduce Beet Cyst/Root Gall/TRV Vector Nematodes (among others-Grade 2 resistance)

Brown Mustard

- Extremely effective Pythium, Rhizoctonia, and Verticillium Wilt Reducer
- Topsoil Aerifier
- Weed Suppression
- Rapid Establishment

White Mustard

- Weed Suppressor
- Erosion Fighter
- Topsoil Aerifier
- Rapid Establishment
- Beet Cyst Nematode Reducer



LEGUMES

Austrian Winter Peas

- Winter Hardy to Zone 6
- Less seed depth sensitive than other peas - **easier in mixes!**
- Easy termination
- Prolific Biomass producer
- Exceptional N Fixer
- Biomass breaks down quickly
- Rapid Establishment

Hairy Vetch

- Excellent Soil Builder
- Exceptional N Fixer
- Adapted to wide range of soil conditions - **pH/low fertility etc.**
- Extended Vegetation Duration
- Winter Hardy
- Topsoil Aerifier
- Extended duration active pollinator forage



PERENNIAL RYEGRASS

KENTUCKY BLUEGRASS

FINE FESCUE

TURF TYPE TALL FESCUE

PILLAR II **Pillar II** (CPN) is a new release that has shown high resistance to gray leaf spot and top rated for seedling vigor. **Pillar II** has also shown high resistance to crown rust, great performance in salt trails. This variety has quick establishment, a dark genetic color, quick divot recovery and early spring greenup.

- **Primary II** (PR-5-16) is a new generation variety with excellent overall turfgrass density. **Primary II** is highly rated for salt tolerance, heat tolerance, gray leaf spot resistance and drought stress.

- **Principal II** (PPG-PR 372) is a new release that is top rated in the current NTEP. **Principal II** has great resistance to gray leaf spot, top rated performance in divot recovery, good resistance to red thread and great mowing quality.

PROCESS **Process** (PPG-PR 422) has resistance to gray leaf spot and red thread. **Process** offers excellent traffic tolerance, cold tolerance, early spring greenup, quick establishment and divot recovery.

PROMINENT **Prominent** is one of the darkest perennial ryegrass varieties on the market. **Prominent** exhibits early spring green up, good turf density during the growing season and great seedling vigor. It has very good winter hardiness and excellent pythium resistance ratings in addition to outstanding wear tolerance performance.

- **Provost** is fine textured, has a dark green genetic color, superior wear tolerance, drought tolerance and excellent overall turf quality ratings. **Provost** has excellent gray leaf spot resistance along with good resistance to brown patch, crown rust and red thread.

- **Performance (PR5)** is a new variety developed for improved turf quality, great resistance to gray leaf spot, narrow leaf texture, enhanced disease resistance and excellent turf aesthetics.

INTERMEDIATE RYEGRASS

- **Outlaw** ryegrass has out performed other elite varieties of intermediate ryegrass in desert overseeding trials. Quick establishment and excellent mowability. This product blends well with other ryegrasses and fine fescues.

ARC **Arc** is an improved Shamrock type that has a medium blade width and dark green color. **Arc** has great resistance to Rust, Drechslera and Anthracnose.

ARC II **Arc II** is moderate dark green turf with a medium blade width. It has excellent seedling vigor. A seed count of 900,000/lb. **Arc II** is an advancement in the Columbia River Seed lineup providing a balance between seed yield and turf quality.

AVIATOR II **Aviator II** (NAI 15-84) has dark green color, narrow to medium blade width and early spring greenup. **Aviator II** offers great density during the growing season and resistance to dollar spot, crown rust and pink snow mold.

Blue Coat **Blue Coat** is a compact type that provides a dark green color that handles traffic. **Blue Coat** has high resistance to summer patch and rust.

Blue Devil **Blue Devil** is a new extremely dark midnight type. Top rated at Rutgers. **Blue Devil** is in the new KGB NTEP.

Blue Gem **Blue Gem** is a synergy of poa pratensis and poa arachnifera. **Blue Gem** has acceptable disease resistance, good traffic tolerance and dark green color.

Corsair **Corsair** provides a dark green color, fine leaf texture and excellent density year round during the growing season. **Corsair** has exhibited high resistance to rust and powdery mildew.

Corsair II **Corsair II** is a new improvement in Kentucky Bluegrass development from Columbia River Seed & Novel Ag. **Corsair II** offers improved disease resistance and great turf quality. A rugged and robust variety that is ideal for your blending program.

Dauntless **Dauntless** has characteristics similar to a Shamrock type, such as good establishment and great spring green up.

Jersey **Jersey** is a well balanced selection from Rutgers University. It possesses early spring green up, good summer performance, excellent seedling vigor and aggressive growing habit.

- **Lightning** is a new iteration from Columbia River Seed for our quest for lower dormancy and faster germination with improved turf performance.

- **Resolution** is a new variety with emphasis on lower dormancy and quicker establishment with better turf quality.

GLADIATOR **Gladiator** hard fescue offers quick establishment and improved disease resistance to diseases like fusarium patch, leaf spot, dollar spot and red thread. **Gladiator** also offers improved mowability.

- **Kent** creeping red fescue has improved disease resistance and improved density during the growing season over Boreal.

- **Shadow III** chewing fescue has improved disease resistance and improved turfgrass quality over older chewing varieties. **Shadow III** has great density during the growing season.

SIERRA VISTA **Sierra Vista** sheep fescue is a true sheep fescue based on the ploidy tests. It offers improved disease resistance, excellent drought tolerance and improved mowability.

SWORD **Sword** hard fescue has great density during the growing season and superior traffic tolerance. **Sword** is dark green genetic color for hard fescues along excellent disease resistance to fusarium patch, dollar spot and red thread.

Sword II **Sword II** is a selection from Rutgers University encompassing 2 related nurseries. This selection provides superior seed handling characteristics, excellent seedling vigor and superior turf performance. **Sword II** is a leap into the modern hard fescues, where mowability and increased disease resistance are being taken to levels that hard fescue has not typically been thought of. We are very excited to be a part of this cultivar.

TENACIOUS **Tenacious** is a modern iteration from Rutgers University, that possesses Mesotrione resistance, improved disease resistance, and mowability not typically associated with hard fescues. **Tenacious** has excellent seedling vigor and summer persistence that is required for the hard fescue category. Columbia River Seed is committed to modernizing hard fescues and **Tenacious** is a big step in the category.

KBG Cont.

PIVOT **Pivot** is a new release that has poa nemoralis in its breeding past which helps with shade performance. **Pivot** has a medium dark green color, quick establishment, improved resistance to necrotic ring spot and summer patch.

ZIP **Zip** has quick establishment, dark green color and excellent seedling vigor.

- **Black Tail** is a very highly rated tall fescue variety in the NTEP (6.4 overall mean). **Black Tail** exhibits excellent density, wear tolerance due to increased rhizomes and top rated resistance to brown patch.

- **Darlington II** offers improved disease resistance and dark green color. **Darlington II** is lower growing which means reduced clippings during mowing.

Ethos **Ethos** is a new release which has shown excellent drought tolerance and superior density during the growing season. **Ethos** is an outstanding seed yielder.

- **Talladega II** provides superior density throughout the growing season in all parts of the US due to its tillering ability which also helps repair damaged areas of turf. This variety has shown to have good resistance to brown patch in hot humid climates. Other accomplished benefits that **Talladega II** offers are very good performance in drought conditions, fine leaf texture and quick establishment.

- **Temple** has a dwarf growing habit with good performance in wear trials. **Temple** has improved brown patch resistance, great density during the growing season and medium to dark genetic color.

- **Thor** is a top rated tall fescue which offers excellent density, early spring green up, improved overall disease resistance, superb drought tolerance and dark green color. **Thor** exhibits very high resistance to pythium blight and brown patch.

- **Thunderstruck** is one of the darkest tall fescue varieties on the market today. **Thunderstruck** also is a top performer in NTEP drought trials and has superior density.

TOUGH **Tough** (NAI-TUE) is a new release which offers top rated brown patch resistance and dark green color. **Tough** also handles traffic, has a narrow to medium leaf texture, performs well in dense shaded areas and offers early spring green up. **Tough** is proving to be a great seed yielder on the production side.

WARRIOR (NAI-FQZ-17) offers superior drought tolerance, quick establishment and improved seedling vigor which supports great during the growing season.