

Forage Seed Product Guide

Richardson
Seed 



TerraLink 

Forage Seed Mixtures

Richardson Seed forage blends do not contain endophyte-enhanced grasses.

PASTURE MIXES

General Pasture (Coastal/Interior)

For well-drained soils where high quality seed is required but improved varieties are not essential. Seeding Rate: 35 lbs/acre.

- Orchardgrass
- TetraGain Perennial Ryegrass
- Annual Ryegrass (tetraploid)
- Tall Fescue
- Timothy
- Creeping Red Fescue

General Pasture with Clover (Coastal/Interior)

The same mix as General Pasture, but with the added benefits of white clover. Seeding Rate: 35 lbs/acre. (Special order only)

- Orchardgrass
- TetraGain Perennial Ryegrass
- Annual Ryegrass (tetraploid)
- Tall Fescue
- Timothy
- Creeping Red Fescue
- White Clover

Horse & Sheep Pasture (Coastal/Interior)

Specially formulated for the Coastal & Interior areas to give hay or form sod without legumes as required by horses. Seeding Rate: 35 lbs/acre.

- Bronson* Tall Fescue
- Kentucky Bluegrass
- Creeping Red Fescue
- Orchardgrass
- TetraGain Perennial Ryegrass
- Alma Timothy
- Annual Ryegrass (tetraploid)
- Meadow Fescue

Wetland Pasture (Coastal/Interior)

Designed for extremely water-logged soils such as those which are flooded for extended periods of time in the spring. Seeding Rate: 25 lbs/acre.

- Carlton Smooth Bromegrass
- Palaton Canarygrass
- Single Cut Red Clover
- Barolex Tall Fescue
- Alma Timothy

COASTAL FORAGE MIXTURES (for Intensive Production)

Orchardgrass Blend (Coastal)

An orchardgrass mixture designed for intensive hay, silage, and grazing situations. Seeding Rate: 35 lbs/acre.

- Amba Orchardgrass
- Proper Orchardgrass
- Baridana Orchardgrass

Orchardgrass / Tall Fescue (Coastal)

Orchardgrass / Tall Fescue Mix is designed for intensive hay, silage, and grazing situations. This blend contains improved orchardgrass, along with two premium tall fescue varieties. The mixture is a medium maturing, highly productive forage blend. Seeding Rate: 35 lbs/acre.

- Proper Orchardgrass
- Baridana Orchardgrass
- Bronson* Tall Fescue
- Cowgirl Tall Fescue

Premium Tall Fescue (Coastal)

A blend of improved varieties well suited to the Coastal area. It is best seeded on fields with good weed control as tall fescue does not compete well during establishment. Provides excellent yields for silage and hay production in a wide range of soil conditions. Seeding Rate: 35 lbs/acre.

- Barolex Tall Fescue
- Bronson* Tall Fescue
- Cowgirl Tall Fescue

Premium Ryegrass (Coastal)

A complex ryegrass mixture that can give high feed quality and productivity. It is suited for moist lowland conditions and intensive grazing. Seeding Rate: 35 lbs/acre.

- Tetragain Tetraploid Perennial Ryegrass
- Norlea Diploid Perennial Ryegrass
- Tetraploid Annual Ryegrass



Hay Baler (Coastal)

Hay Baler Forage Seed Mixture is a high-performance forage blend designed for high-quality hay production. Included in this mixture is a small percentage of annual ryegrass to act as a nurse crop for initial weed control purposes. Seeding Rate: 35 lbs/acre.

- Proper Orchardgrass
- Orchardgrass
- Bronson* Tall Fescue
- Alma Timothy
- Annual Ryegrass (tetraploid)

INTERIOR FORAGE MIXTURES (for Intensive Production)

Southern Interior Dryland (Interior)

Designed for non-irrigated pasture or hay field applications in the southern regions of the BC Interior. Seeding Rate: 25 lbs/acre.

- Proper Orchardgrass
- Dryland Orchardgrass
- Oracle Creeping Red Fescue
- Kirk Crested Wheatgrass
- Slender Wheatgrass
- Annual Ryegrass (tetraploid)
- Improved Alfalfa

Southern Interior Irrigated (Interior)

Suited for both hay and pasture fields under irrigation in the southern regions of the BC Interior. Seeding Rate: 25 lbs/acre.

- Orchardgrass
- Smooth Bromegrass
- Oracle Creeping Red Fescue
- Alma Timothy
- Double Cut Red Clover

Northern Interior Dryland (Interior)

Designed for non-irrigated pasture or hay field applications in the northern regions of the BC Interior. Seeding Rate: 25 lbs/acre.

- Annual Ryegrass (tetraploid)
- Meadow Bromegrass
- Bronson* Tall Fescue
- Kirk Crested Wheatgrass
- Tuukka Timothy
- Creeping Rooted Alfalfa
- Festulolium

Northern Interior Irrigated (Interior) *Special Order*

Suited for both hay and pasture applications under irrigation in the northern regions of the BC Interior. Seeding Rate: 25 lbs/acre.

- Tuukka Timothy
- Carlton Smooth Bromegrass
- Slender Wheatgrass
- Creeping Red Fescue
- Single Cut Red Clover

Premium Alfalfa (Interior)

This mixture is comprised of two WL Alfalfa varieties. WL Alfalfas are some of the highest quality, highest yielding alfalfas in the marketplace. Seeding Rate: 20 lbs/acre.

- WL 319 HQ Alfalfa
- WL 354 HQ Alfalfa

Triple Alfalfa (Interior)

This mixture is comprised of 3 well known improved alfalfa varieties. Seeding Rate: 20 lbs/acre.

- WL 354 HQ Alfalfa
- Algonquin Alfalfa
- Improved Alfalfa

Alfalfa Hay Baler (Interior)

A productive blend of three improved alfalfa varieties along with two orchardgrass cultivars. Suitable for high production hayland and rangeland pasture use. Seeding Rate: 20 lbs/acre.

- Algonquin Alfalfa
- WL 319 HQ Alfalfa
- WL 354 HQ Alfalfa
- Kayak Orchardgrass
- Dryland Orchardgrass

Agricultural Seed Mixtures

These mixtures are not intended for forage production as they contain endophyte-enhanced grasses which can be harmful to livestock.

Alleyway (Coastal/Interior)

The Alleyway seed mixture is a low-growing shade-tolerant mixture designed for soil stabilization and erosion control in between rows of berries, vineyards, and orchards. Seeding Rate: 100 lbs/acre.

- Green Supreme Perennial Ryegrass
- Radar Chewings Fescue

Low Maintenance (Coastal/Interior)

For areas requiring a low-growing, drought-tolerant mixture with low-maintenance requirements. Great for orchard and vineyard applications. Seeding Rate: 165-250 lbs/acre.

- Green Supreme Perennial Ryegrass
- Gibraltar Gold Creeping Red Fescue
- Beacon Hard Fescue
- Quatro Sheep Fescue



Species and Varieties

TALL FESCUE

Tall fescue has a deep rooting system which causes it to be tolerant of heat, cold, drought, low fertility, poor drainage, and a wide range of soil pH. Tall fescue will grow in the dry summer periods, making it a perfect choice for non-irrigated

pasture. Although tall fescue is slow in the beginning, once established it regrows quickly and provides high quality feed as long as the plants are not allowed to form flower heads. The plants then become stemmy and lose their palatability.

Varieties:**BAROLEX**

With quick establishment, soft leaves, high palatability and high DM-yields, Barolex is an exciting new tall fescue with great potential. It has a very dense sod with leaf quality almost the same as perennial ryegrass. Barolex is medium-late in maturity.

BRONSON*

Bronson exhibits the toughness that you have come to expect in a forage tall fescue, but with softer leaves than many varieties. Bronson withstands tough growing conditions. Bronson makes great feed, and can be fed with confidence to all of your animals.

COWGIRL

Cowgirl is a very durable forage grass with a wide range of tolerances to climate and environments. Cowgirl was developed and proven to have high forage quality and resistance to environmental stresses along with disease and pest resistance.

INNOVATION

Innovation is an Endophyte free forage tall fescue developed for superior yields and improved disease resistance. Innovation is a medium-early maturing variety with exceptional early spring vigor. Innovation shows yield increases above many popular varieties of tall fescues and has demonstrated improved grazing characteristics.

ORCHARDGRASS

Orchardgrass is more digestible and palatable than most other grasses, making it a valuable hay and pasture plant. It thrives best on well-drained soils and is somewhat tolerant to salt. Orchardgrass is the most shade tolerant of the grasses. It has a dense, deep, fibrous root system, making it more drought tolerant than timothy but less than bromegrass. It can withstand short periods of drought. Although it is aggressive, its bunch habit of growth allows legumes to grow in a mixture. Orchardgrass is a preferred pasture forage because it grows very rapidly after grazing. It begins growth early in the spring and gives a very high yield and excellent regrowth during the hot summer months. Fall growth is good.

Varieties:**AMBA**

Amba establishes well and has a strong growth right from the start. It has proved to have a digestibility on the level of the more late varieties. This is unique for an early variety. Amba has proven to have a very good winterhardness. Also the tolerance of late night frost in the spring is very good.

Amba is tall growing and fits well in mixtures with early tall growing grasses as well as red clover. When the first cut

is taken at the right time before heading, no stems will be produced in the aftermath.

BARIDANA

Baridana is highly digestible and very palatable. It is high yielding and produces a dense sward. Baridana has proven to withstand severe winters and dry, hot summers. It is an orchardgrass that is very suitable for intense grazing or cutting. Baridana is well suited for mixed seeding with alfalfa. It is late in maturity.

DRYLAND

Dryland type has a very low crown and dense, prostrate growth habit. This allows it to be grazed to near ground level, ideal for sheep and horse grazing. Long, soft leaves make it highly palatable. It produces a very thick and dense stand, which helps it outcompete many invasive weeds. It has excellent digestibility and good feed value.

PROPER

Proper Orchardgrass is a late-maturing orchardgrass bred primarily for forage production. This means, farmers should see very impressive dry matter production resulting in increase profits. Proper exhibits excellent rust resistance, making it more favourable to animals for grazing and hay production. Proper also demonstrates excellent stand persistence. Seed 20-30 lbs per acre for 100% Proper pastures.

PERENNIAL RYEGRASS

Perennial ryegrass is a bunchgrass with a shallow, fibrous root system. It is considered a wetland grass and has a very high requirement for moisture but will not tolerate ponding. Perennial Ryegrass has good seedling vigour, rapid development, high yields, and good forage quality. Milk production and weight gains are higher from perennial ryegrass than from other forage grasses.

Varieties:**TETRAGAIN**

TetraGain is a new tetraploid perennial ryegrass release by Pure-Seed Testing in Oregon. TetraGain is extremely productive under cool and damp climates. Also selected for yield, disease resistance, and forage value, TetraGain is proving to be an exceptional variety.

ANNUAL RYEGRASS

There are three different growth types of annual ryegrass: the traditional type annual ryegrass, Westerwolds ryegrass and the Italian ryegrass type. These are used interchangeably at times. Therefore, if requiring a certain type, it is important to be specific when placing an order.

- Annual Ryegrass is known as a true annual, growing quickly after spring planting, but going to seed in early summer. If it is grazed or cut, it regrows slowly and forms seed heads again but dies after winter.
- Westerwolds heads in the sowing year but is an annual species that will act as a biennial if sown in the fall.
- Italian Ryegrass types do not form seed during the year they are planted. After planting, they grow quickly

*Registration Pending

until frost, producing high-quality leaves. Some varieties may survive the winter but survival depends on year-to-year conditions.

TIMOTHY

Timothy is a perennial bunchgrass with shallow, fibrous roots. It is adapted to cooler, moister areas and is very tolerant to acidity. It withstands some spring flooding and does well on water-logged soils. Timothy is well suited for use in low-lying peaty areas. It also thrives on clay, silt, and sandy soils provided moisture is adequate. Timothy is winter hardy and persistent. Seedling vigour is good and stand establishment usually is rapid. It ranks high in productivity among the grasses. Timothy does not tolerate drought, salt, shade or alkalinity. It is well suited for hay production. Because of its bunch growth habit, it is less competitive for nutrients when grown in mixtures with legumes. Spring growth is not too early although yield and palatability are very high. Main growth occurs in early summer. It is not tolerant of close, continuous grazing. The tall shoots are easily overgrazed and as a pasture plant it is relatively short lived.

Varieties:

ALMA

Alma is an established variety that was developed in Finland. It is a medium-tall plant with early-mid maturity. Alma is high-yielding and provides nutritious forage and is suitable for hay, grazing, and silage.

TUUKKA

Tuukka was selected with the serious forage producer in mind. It has superior ratings on a percentage of leaf-to-stem ratio, and has the most desired trait of quick re-growth. It will provide season-long production of nutritious forage even in the second, third and fourth cuttings when the alfalfa growth is not so overwhelming. Tuukka is recommended for hay, grazing, silage or green chop (direct feeding). When mixed with alfalfa or clovers, Tuukka provides a long lasting companion that will enhance the quality of the cow's diet. When seeded alone or with other grasses, it provides excellent season-long forage.

FESTULOLIUM

A festulolium is a hybrid grass that is the result of crossing a meadow fescue and a ryegrass. Sometimes a tall fescue is crossed with a ryegrass and called a festulolium as well. One reason that festuloliums are gaining in popularity is that they are more winterhardy than ryegrass. And the "summer slump" associated with ryegrass is not as severe with a festulolium.

ALFALFA

The ability of the roots to obtain moisture and nutrients from deep in the soil makes alfalfa an especially useful forage crop during periods of drought. Alfalfa does best on deep loam soils with high lime content. It is relatively drought tolerant but will respond well to irrigation and produce excellent hay. It tolerates some alkalinity and has fair salt tolerance. As it is a nitrogen-fixing plant, alfalfa needs little nitrogen from

fertilization. However, legumes such as alfalfa require relatively large amounts of phosphorus, potassium and sulphur. Alfalfa is very sensitive to soil acidity. It is intolerant of flooding, water-logging, or poor internal soil drainage during the growing season. It will withstand short periods of flooding and water-logging for up to two weeks before growth begins in the spring.

Alfalfa is an excellent hay crop adapted to Interior and Northern areas of BC. The variety selected should combine adequate hardiness with the best possible yield. Alfalfa is quite palatable and withstands grazing fairly well, provided it is not overgrazed. Varieties with creeping roots generally withstand grazing pressure better than others. By including at least half grass in the pasture mixture, the risk of bloat is greatly reduced. The bloat hazard is diminished if grazing is delayed until after the bloom stage.

Varieties:

WL 319 HQ

Proven in University and regional tests, WL 319 HQ consistently delivers exceptional yields and outstanding feed value. When fed to dairy or beef cattle, WL 319 HQ easily beats the competition in head-to-head comparisons for palatability, digestibility, and overall profitability. WL 319 HQ has a "perfect" disease resistance index (DRI) of 30/30 and strong resistance to insects and nematodes.

WL 354HQ

Outstanding yield potential and exceptional forage quality on your toughest soils makes WL 354HQ the alfalfa variety of choice for dairy, beef and cash hay producers looking to significantly reduce the impact of root disease on seedling establishment and stand life. WL 354HQ's unique wet soil disease resistance package demonstrates significant on-farm benefits in stand establishment, persistence, and forage yield. It has a perfect Disease Resistance Index (DRI) of 35/35. WL 354HQ is very high-yielding under 3- to 5-cut harvest managements and produces big yields across a wide range of soil types. Its excellent feed value and superior digestibility produces more milk or beef and greater profitability when fed. WL 354HQ is very winterhardy; it delivers long stand life under even the toughest weather conditions. It's fast recovery after cutting and superior standability encourages intensive harvest management. WL 354HQ alfalfa is dark green, fine-stemmed, highly palatable and later maturing.

OTHER SEED

Many other forage species are available from TerraLink. They include, amongst others, the following:

Bromegrass:

Winterhardy and drought tolerant grass well suited to forage production.

Clovers:

Adds protein and energy to feed. Caution: May cause bloat. Consult with an agronomist before feeding to livestock.

Wheatgrasses:

Well suited to BC's interior areas. Known for its salt and drought tolerance and exceptional winterhardiness.

Creeping Red Fescue:

Will grow on a wide range of soils. Tolerates high traffic and close grazing. Has a moderate to high moisture requirement.

Kentucky Bluegrass:

Useful for sod formation. Tolerates close and frequent grazing. Has a high moisture requirement.

Custom Seed Mixtures are also available to meet your specific forage seed needs. For more information, please contact Richardson Seed by calling 1-800-661-4559 or visit us online at www.tlhort.com.

Fertilizer & Soil Amendments



TerraLink works hard to stay on top of the newest technology and research in order to provide you with the latest fertilizer and soil amendments to meet your forage production needs.

Plant Science Lab

The Plant Science Laboratory is a modern, well equipped lab serving the horticultural and agricultural industries. Through the Plant Science Lab, TerraLink offers a wide variety of tests, usually providing results within 4 business days.

Services

TECHNICAL ASSISTANCE

TerraLink Sales and Marketing Staff are all horticulturalists or agronomists, most with years of experience in their area of expertise. All have educational backgrounds ranging from horticultural diploma to Bachelors and Masters degrees in such areas as soil science, crop protection, botany, and integrated pest management. Technical staff are available to answer any crop production question at anytime.

DELIVERY

Routine delivery service is offered in the Fraser Valley with a range of TerraLink units, from light trucks to semi-trucks for any size order. Freight outside of the Fraser Valley is arranged via contract hauling. Our dynamic distribution team looks forward to servicing your needs.

CUSTOM FIELD SERVICES IN THE FRASER VALLEY

- Bulk spreading of fertilizer and limestone

RENTAL EQUIPMENT

- Powerbins
- Spreaders