

Forage Seed Product Guide 2012

Richardson
Seed 

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
- Norlea Perennial Ryegrass
- Annual Ryegrass
- 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.

- Orchardgrass
- Norlea Perennial Ryegrass
- Annual Ryegrass
- 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.

- Meadow Fescue
- Bronson* Tall Fescue
- Kentucky Bluegrass (forage-type)
- Creeping Red Fescue
- Baridana Orchardgrass
- Norlea Perennial Ryegrass
- Barliza Timothy
- Tuukka Timothy

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
- Reed Canarygrass
- Single Cut Red Clover
- Barolex Tall Fescue
- Climax Timothy

COASTAL FORAGE MIXTURES (for Intensive Production)

Premium Orchardgrass CMV-R (Coastal)

A premium orchardgrass blend for applications requiring CMV-resistant, high-yielding, top quality forage production. Seeding Rate: 35 lbs/acre.

- AC Cheam Orchardgrass
- AC Chilliwack Orchardgrass

Orchardgrass Blend (Coastal)

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

- Baridana Orchardgrass
- Potomac Orchardgrass
- Amba Orchardgrass
- Westerwold-type Ryegrass

Premium Orchardgrass CMV-R / Tall Fescue (Coastal)

A superior forage seed mixture for applications requiring CMV resistance, high yields, and top-quality forage. Seeding Rate: 35 lbs/acre.

- AC Cheam Orchardgrass
- AC Chilliwack Orchardgrass
- Barolex Tall Fescue
- Bronson* Tall Fescue

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.

- Baridana Orchardgrass
- Amba Orchardgrass
- Bronson* Tall Fescue
- Barolex 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
- Seine 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.

- Aubisque Tetraploid Perennial Ryegrass
- Norlea Diploid Perennial Ryegrass
- Tetraploid Annual Ryegrass
- Tuukka Timothy

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.

- Orchardgrass
- Barolex Tall Fescue
- Tuukka Timothy
- Annual Ryegrass

*Registration Pending

Rooted in your community.

TerraLink

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.

- Baridana Orchardgrass
- Dryland Orchardgrass
- Creeping Red Fescue
- Kirk Crested Wheatgrass
- Slender/Intermediate Wheatgrass
- Annual Ryegrass
- Creeping Rooted 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.

- Baridana Orchardgrass
- Carlton Smooth Bromegrass
- Creeping Red Fescue
- Tuukka 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
- Meadow Bromegrass
- Bronson* Tall Fescue
- Kirk Crested Wheatgrass
- Tuukka Timothy
- Creeping Rooted Alfalfa

Northern Interior Irrigated (Interior)

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 3 WL Alfalfa varieties. WL Alfalfas are some of the highest quality, highest yielding alfalfas in the marketplace. Seeding Rate: 20 lbs/acre.

- WL 357 HQ Alfalfa
- WL 348 AP Alfalfa
- WL 343 HQ Alfalfa

Triple Alfalfa (Interior)

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

- WL 348 AP Alfalfa
- Algonquin Alfalfa
- Creeping Rooted 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
- Improved Alfalfa
- WL 348 AP Alfalfa
- Baridana 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.

- Keystone 2 Perennial Ryegrass
- Bridgeport II 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.

- RPR Blend Perennial Ryegrass
- Barcrown II Slender Creeping Red Fescue
- Gibraltar Creeping Red Fescue
- Stonehenge 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:

SEINE

Seine tall fescue is a unique endophyte-free dense tillering type of tall fescue. Its soft, narrow semi-prostrate leaves contain a high percentage of digestible matter with less lignin than other tall fescues. Seine's lax leaves make it an ideal companion grass for use with clovers and alfalfa. Seine is suited for intensive grazing and for use as a silage or hay. Seine will not cause bloat and will reduce the possibility of bloat when planted with legumes. It is medium in maturity.

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.

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:

CMV-RESISTANT VARIETIES

AC Cheam Orchardgrass

AC Chilliwack Orchardgrass

Agriculture Canada (Agassiz), in conjunction with Richardson Seed, has spent 10-15 years selecting forage varieties for the Fraser Valley that exhibit outstanding CMV (Cocksfoot Mottle Virus) resistance, in addition to other important traits such as yield. The first two of three varieties being produced commercially for TerraLink (Richardson Seed) are now available. These varieties are the highest yielding and only certified CMV resistant varieties available in the marketplace.

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 intensive grazing or cutting. Baridana is well suited for mixed seeding with alfalfa. It is late in maturity.

KAYAK

Kayak is adapted to Northern and Interior areas of BC where winterhardiness is required. It is a high yielding orchardgrass that shows rapid regrowth after cutting. It is extremely winterhardy and can withstand the survival demands of severe winter environments. Kayak shows superior results and replaces Kay as our new standard in winterhardy orchardgrass varieties.

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.

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 winterhardiness. 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.

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:

AUBISQUE (TETRAPLOID)

Aubisque exhibits excellent dry matter yields for the first, second, and third cuttings. Aubisque produces some of the highest yields for an intermediate tetraploid perennial ryegrass. In addition to hay and silage usage, it has a very high grazing index and is ideally suited for intensive grazing and harvesting. Aubisque has high resistance to crown rust and powdery mildew. It is medium in maturity.

NORLEA

Released by the Canadian government, Norlea is winter hardy and forms a good pasture in areas where other varieties perform poorly.

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 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:

BARLIZA

Barliza is a very persistent variety with high yields under grazing or when frequently cut. Late maturity and persistence make this variety a perfect component in seed mixtures. Unlike traditional varieties, Barliza withstands grazing well, in a pasture situation. As a hay crop, it produces high quality and very leafy hay. With good persistence and late maturity, Barliza is equally suited for pasture mixtures or pure hay stands.

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 (Limited Quantities for 2012)

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 343 HQ

WL 343 HQ delivers higher forage quality, greater harvest flexibility and ability to hold high feed value in the field over a longer period of time. This winter hardy variety provides excellent disease, insect and nematode resistance over a wide range of soil types. Superior palatability and digestibility produces greater profitability when fed, and better quality finished product, whether beef or milk.

WL 348 AP

WL 348 AP offers more disease resistance than seen before. This variety is the result of more than 10 years of research and breeding by W-L for resistance to Race 2 Aphanomyces. It also has uniquely high resistance to a host of other wet-soil diseases. In addition, it is very high yielding, dark green, fine stemmed and highly palatable.

WL 375 HQ

WL 357 HQ produces more milk and greater profitability, consistently beating the competition in head-to-head

comparisons. Delivering a very long stand life under the toughest weather conditions, WL 357 HQ is the highest-yielding winterhardy HQ variety released to date. It also has a "perfect" disease resistance index (DRI) of 30/30 and strong resistance to insects and nematodes. WL 357 HQ produces higher yields and higher quality forage more often with less risk.

RAMBLER

Rambler is a creeping-rooted variety. It is a good pasture alfalfa that persists well under heavy grazing. It survives spring flooding better than most varieties and is exceptionally winter hardy and drought tolerant.

ALGONQUIN

Algonquin demonstrates good winterhardiness and resistance to bacterial wilt. It has good seedling vigour and recovery after cutting.



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.thort.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.



Plant Science Lab

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
- Fumigation

RENTAL EQUIPMENT

- Powerbins
- Spreaders