Contact your local ag-retailer or BrettYoung for more information.

To find a BrettYoung Preferred Retailer near you, visit brettyoung.ca/PreferredRetailer.

Head Office:
BrettYoung
Box 99 St. Norbert Postal Stn
Winnipeg, MB
Canada R3V 1L5

Toll Free:
800-665-5015

@BrettYoungSeeds
brettyoung.ca
At BrettYoung, we strive to be a company like no other. We are proud of our strategic partnerships with world-class organizations through which we source leading technologies and genetics. We are passionate about bringing choice through distinct and leading products that help keep your business profitable while backing them with knowledge and experience.

The ag industry has undergone significant change as consolidation continues and the number of choices declines. Yet BrettYoung remains a family-owned company. We have strong connections to local markets where, along with investment in innovation and infrastructure, we continue to grow our presence.

We succeed in our markets by bringing distinct choices that deliver performance and value. By design, our success is deeply rooted within your success; the two are intertwined and grow together. We are Distinct By Design and we wouldn’t have it any other way.

We Know Forages

Forage seed is the foundation of BrettYoung. It was our primary business for many decades and is still at the core of who we are today. We access forage seed genetics from industry-leading breeders in Canada, Europe and the United States. Our team of Seed Production Specialists partner with Western Canadian growers to produce the highest quality forage seed available. Through our seed processing and warehousing facilities in Winnipeg, MB, Calmar and Rycroft, AB, and Gormley and Clifford, ON, we process, treat and package forage seed for growers not only in Canada, but around the globe.

Our Retail Account Managers are trained to help provide you with the forage solutions that are best suited to your operation and goals – whether you choose one of our stock blends or a custom blend tailored to your needs.

What’s New at BrettYoung Seeds

Lastly, we’re proud to announce BrettYoung has been recognized with the Canada’s Best Managed Companies designation for the second consecutive year. The award, which focuses on Canadian-owned and managed companies, is especially gratifying because it recognizes overall business performance and the efforts of an entire organization. In turn, we want to thank all customers, the long-time loyal and the new, for trusting in BrettYoung and the products we represent. We know we need to work hard to earn your business every year and our goal is to meet or exceed your expectations every time.

BrettYoung 2020 Forage Establishment Guarantee

Even though you’ve taken care to properly seed and establish your new forage stand, weather does not always co-operate. Not to worry, BrettYoung will guarantee your forage seed investment on qualifying premium products. In the unfortunate event of establishment failure, the replacement seed cost is borne by BrettYoung. Percent coverage depends on when you enrol in the program, place your seed order and if a cover crop is used.

Program Eligibility Criteria

To be eligible for the program, the following criteria must be met:

- Order seed and enrol in the program by April 1, 2020, and seed without a cover crop to qualify for 100% coverage on replacement seed.
- If a cover crop is used during the April 1, 2020 enrolment period, replacement seed coverage is 50%.
- Enrol in the program by April 30, 2020, and seed without a cover crop to qualify for 50% coverage on replacement seed.
- If a cover crop is used during the April 30, 2020 enrolment period, replacement seed coverage is 25%.
- Stand must be planted by June 30, 2020.
- Products or blend components used must qualify for the program.
- Must fulfill Agronomic Requirements as outlined on the opposite page.

Program Limitations

- Replacement seed under the Forage Establishment Guarantee is provided only once for the area of the stand that failed to establish and must be seeded in that area.
- Replacement seed will be the same variety or mixture as originally purchased, subject to availability.
- Replacement seed must be planted during the original year of seeding or during spring of the following year.
- Good agronomic seeding preparations and stand establishment practices must be followed and documented as outlined on the opposite page.

Online Registration

Complete the Forage Establishment Guarantee registration form to enrol in the program. Be sure to register and buy qualifying BrettYoung forages before April 1st, 2020 to be eligible for 100% coverage.

Download your registration form today at brettyoung.ca/Establishment-Guarantee

Forage Guarantee Key Dates

- April 1, 2020
  Deadline to order seed and enrol in the program to be eligible for 100% coverage.
- April 30, 2020
  Deadline to enrol in the program to be eligible for 50% coverage.
- June 30, 2020
  Seeding deadline on all qualifying forage stands.
- Within 60 days of seeding or July 31, 2020
  Deadline to notify BrettYoung Retail Account Manager of stand establishment concerns.
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BrettYoung has a Prairie-wide dealer network and, in most areas, you don’t need to look any further than your local crop inputs retailer to find our products. BrettYoung products are carried at most locations of:

- Cargill Ltd
- Independent retailers
- Paterson Grain
- Co-op Agro Centre
- Parrish & Heimbecker, Ltd.
- Richardson Pioneer

For the most up-to-date product information, agronomic support and competitive pricing, we recommend that you visit a BrettYoung Preferred Retailer. Use the mapping tool on our website to learn more about which retailers in your area are BrettYoung Preferred Retailers.

Locating your nearest retailer is as easy as 1-2-3!
1. Go to brettyoung.ca/PreferredRetailer
2. Type in your postal code or city/town
3. Click on one of the radius buttons (25 km, 50 km or 100 km) to narrow or widen your search

Retail Account Managers (RAMs) are stationed across the Prairies to service the needs of growers. While BrettYoung’s head office is located in Winnipeg, Manitoba, RAMs work directly with growers in their own communities – helping with product selection or providing agronomic support. BrettYoung RAMs can help solve issues and answer product inquiries directly.

For the most up-to-date RAM territory map, please visit brettyoung.ca/RetailTerritoryMap.

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A successful forage stand depends on several key factors that can be identified and tailored to your forage production needs. In this section you will find both requirements and tips for maximizing your forage seed investment.
How to Establish a Productive Forage Stand

The establishment phase is the critical first step in a productive and healthy forage stand. To improve your likelihood of establishment success, follow the agronomic guidelines below.

Time of Seeding

Early spring (mid-April to early June), mid-summer (mid-July to early August) and late fall (after freeze-up) are suitable times for seeding forages. Spring seeding provides the best chance for adequate moisture levels and successful germination. Summer seeding provides less weed competition, and a greater likelihood of less moisture. Fall dormant seeding can run risks of early spring runoff or freeze/thaw patterns harming seedlings.

Seedbed Preparation

A firm, well-prepared seedbed is required for good forage establishment. This results in proper seed-to-soil contact, adds control to seeding depth and reduces surface drying. Walking on a firm seedbed should not leave footprints deeper than one-quarter inch.

Weed Control

Weed control is essential for good forage establishment. A seedbed free of perennial weeds is critical to minimize seedling and in-crop competition. Control weeds prior to seeding, as well as during the year of establishment.

Quality Seed and Seed Coatings

Certified seed guarantees quality including varietal purity, germination and weed-free seed. The agronomic benefits of certified seed are seen in the field through defined varietal characteristics and quality assurance, strong seedling germination, improved plant populations and reduced weed competition. Consider a seed coating to improve handling, visibility in the soil and to protect your investment from seed- and soil-borne diseases. All legumes should be inoculated to ensure proper nitrogen fixation.

Seeding Depth

Proper depth of seeding cannot be stressed enough. Many forage establishment failures are due to seeding too deep. All forage species should be seeded no deeper than one-half inch. Most forage seeds will do well planted at about one-quarter inch or less. Always err on seeding shallow rather than deep.

Seeding Rates

Use the proper seeding rates calculated by number of seeds per square foot. Seeding rates depend on species, seed size, seed quality, seeding method, row spacing and annual precipitation. Because most forage seeds are small, light and often chaffy, it can be useful to mix the seed with cracked grain, cover crop seed or use coated seed to improve seed flow.

Fertility

Soil test and fertilize accordingly. Remember that the most cost-effective time to fertilize a forage crop is usually at seeding. Consider the use of higher rates of phosphorus or elemental sulphur to provide a stable nutrition base for the following years. Fifteen pounds per acre of P₂O₅ can be safely seed-placed. Higher rates must be banded away from the seed row to avoid seeding damage.

General Fertility Guidelines for Forage

<table>
<thead>
<tr>
<th>Stand Composition</th>
<th>Low/Medium Yield Potential Soils</th>
<th>Medium-High Yield Potential Soils</th>
<th>High Yield Potential Soils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen (P₂O₅)</td>
<td>40-90</td>
<td>60-100</td>
<td>80-150</td>
</tr>
<tr>
<td>Phosphorus (P₂O₅)</td>
<td>10-30</td>
<td>20-40</td>
<td>30-50</td>
</tr>
<tr>
<td>Potassium (K₂O)</td>
<td>50-60</td>
<td>50-80</td>
<td>50-100</td>
</tr>
<tr>
<td>Sulphur (S)</td>
<td>15-30</td>
<td>15-30</td>
<td>15-30</td>
</tr>
<tr>
<td>Nitrogen (P₂O₅)</td>
<td>40-60</td>
<td>40-80</td>
<td>40-100</td>
</tr>
<tr>
<td>Phosphorus (P₂O₅)</td>
<td>10-30</td>
<td>20-40</td>
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<td>Potassium (K₂O)</td>
<td>50-60</td>
<td>50-80</td>
<td>50-100</td>
</tr>
<tr>
<td>Sulphur (S)</td>
<td>15-30</td>
<td>15-30</td>
<td>15-30</td>
</tr>
</tbody>
</table>

Cover Crops

Although not recommended, some growers choose to plant forages with cover crops such as barley or oats. Cover or companion crops compete with new forage seedlings for sunlight, nutrients and moisture. A cover crop can reduce seedling establishment and plant populations adversely affecting forage yield and stand longevity. The benefits of using cover crops include reduction of wind and water erosion and reduction of weed infiltration. If using a cover crop, the following tips will reduce the competition and aid in forage stand establishment.

Tips for Using Cover Crops

<table>
<thead>
<tr>
<th>Tip #1</th>
<th>Tip #2</th>
<th>Tip #3</th>
<th>Tip #4</th>
<th>Tip #5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed the cover crop at one-third to one-half of normal seeding rate.</td>
<td>Seed forage in a separate pass at an angle to your cover crop to reduce competition and to aid in depth control.</td>
<td>Increase forage seeding rate to achieve desired plant densities in the stand to compensate for the cover crop.</td>
<td>Remove the cover crop.</td>
<td>If harvesting the cover crop for grain (not recommended) remove all straw from the field. If that is not an option, chop and spread the straw thoroughly across the field. If straw is left in a window, it will smooth the emerging forage seedlings.</td>
</tr>
</tbody>
</table>
Forage Crop Use Recommendations

Consider the following factors when selecting forage species.

Intended Use & Management System
- Is the intended use hay or pasture?
- In hay stands, how many cuts do you expect to take each year?
- In pasture, how intensely will the forage crop be grazed?
- Are you rotational or continuous grazing?

Forage Timing
- When would you like your forage to be available?

Environmental Conditions
- How much annual precipitation does your area receive?
- How harsh are your winters?

Soil Type
- What is your soil type (sand, clay, loam)?
- How well does your soil drain?
- Is there a problem with saline or alkaline soils?
- Is the organic matter content high or low?

For information on variety and species characteristics with respect to environmental conditions and soil type, see the detailed tables on pages 24 to 27 and 34 to 39 of this guide.
Every field is different. The specialists at BrettYoung offer a wide range of stock blends built for Western Canadian conditions and customizable options to meet any need.
BLENDS & SEED ENHANCEMENTS

FORAGE BLENDS

Your field is not the same as your neighbour’s, so why settle for the same forage blend? At BrettYoung, we will custom-build a blend to suit your specific needs or recommend a stock blend that will achieve your production goals.

Custom Blends

Although we put a lot of thought into creating the stock blends presented on the following pages, in some instances, a forage blend should be custom-built to fit your needs if they are not met by a stock blend.

Our team of experienced Retail Account Managers can help you determine what species and varietal characteristics are best suited to achieving your forage production goals. Visit brettyoung.ca/forages to learn more about our extensive portfolio of forage products.

Stock Blends

BrettYoung has carefully crafted its stock blends to provide a high level of productivity over a wide range of environments and uses that are tailored for Western Canadian conditions. To find the stock blend best suited to your needs, use the stock blend selector on pages 14 and 15 or visit our online stock blend selector tool at brettyoung.ca/stock-blend-selector for a recommendation.

Annual Forages

Annual forages or cover crops are used in Western Canada as an extended grazing option and supplement to perennial forages. These low-input species can benefit soil through biodiversity, erosion control and nutrient leaching. Most cover crop blends contain legume components that fix nitrogen, with deep tap roots capable of reducing soil compaction. Try the #18 Annual Forage EXT stock blend for mid-to-late season cocktail crop grazing and stockpiled forage applications.

Note: Snow cover and frost can affect the availability of stockpiled forage.

<table>
<thead>
<tr>
<th>Group</th>
<th>Variety</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pea/Oat Forage Mixture</td>
<td>Sprint Maxx</td>
<td>• More milk per acre</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Excellent forage quality</td>
</tr>
<tr>
<td>Pea/Triticale Forage Mixture</td>
<td>Tripper Maxx</td>
<td>• More milk per acre</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Excellent forage quality</td>
</tr>
<tr>
<td>Grazing/Cover Crop</td>
<td>Purebred Brand Radish</td>
<td>• In-season and late-season grazing</td>
</tr>
<tr>
<td></td>
<td>Purple Top Turnip</td>
<td>• In-season and late-season grazing</td>
</tr>
<tr>
<td></td>
<td>Forage Rape</td>
<td>• Prefer cool growing conditions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• In-season and late-season grazing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Soil improvement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Oilseed type</td>
</tr>
<tr>
<td>Grazing/Cover Crop</td>
<td>Hairy Vetch</td>
<td>• Introduced species not native</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fodder vetch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Nitrogen fixer</td>
</tr>
</tbody>
</table>
Factors to Consider

BrettYoung has carefully crafted its stock blends to provide a high level of productivity over a wide range of environments and uses in Western Canada. Follow this stock blend selector to find the blend best suited for your soil, environment and management system to achieve your production goals.

### Stock Blend Selector

Land conditions, such as salinity or flooding, will impact your choice of blends. Use the flow chart below to select an appropriate stock blend when challenged with these conditions.

* See pages 16 to 18 for more information on the stock blends and their compositions.

** White clover can cause bloat in cattle.
BrettYoung offers a wide variety of stock blends built for Western Canadian conditions and management practices. The following pages provide more details on blend components, intended use and management system.

Hay Blends

#1. Super Hay
Excellent 2-cut alfalfa/grass mix
- 65% Blend 4440 Alfalfa Ultracoat
- 25% Fleet Meadow Bromegrass
- 10% Promesse Timothy

#2. Maxi-Ton
Maximum tonnage and protein
- 90% Blend 4440 Alfalfa Ultracoat
- 10% Promesse Timothy

#3. Dryland Hay
Aggressive growth in dryland regions
- 40% Kirk Crested Wheatgrass
- 40% Carlton Smooth Bromegrass
- 20% 2010 Alfalfa Ultracoat

#4. Super Haymaker
Ideal for 1- or 2-cut systems across most production areas
- 75% Blend 4440 Alfalfa Ultracoat
- 25% Fleet Meadow Bromegrass

#5. Super Pasture Hay
Quick drydown time in a swath
- 50% Fleet Meadow Bromegrass
- 35% Trailburst Orchardgrass
- 10% Promesse Timothy
- 5% Blend 4440 Alfalfa Ultracoat

#6. Super Pasture
Excellent early spring pasture, produces well under stress
- 50% Fleet Meadow Bromegrass
- 25% Kirk Crested Wheatgrass
- 15% Cowgirl Tall Fescue
- 10% 3010 Alfalfa Ultracoat

#7. Bloat Safe
Increased quality with no risk of bloat
- 45% Fleet Meadow Bromegrass
- 30% Cicer Milkvetch
- 20% Cowgirl Tall Fescue
- 5% Boreal Creeping Red Fescue

#8. Parkland Pasture
High-yielding pasture, works well in high-traffic areas and aggressive grazing systems
- 50% Fleet Meadow Bromegrass
- 25% Trailburst Orchardgrass
- 10% Promesse Timothy
- 5% Tinam Kentucky Bluegrass

#9. Dryland Pasture
Long-lived productive pasture blend for very dry areas
- 50% Kirk Crested Wheatgrass
- 35% Fleet Meadow Bromegrass
- 10% Russian Wildrye
- 5% 2010 Alfalfa Ultracoat

#10. All Purpose Pasture
Widely adapted for most pasture needs with easy establishment and quality regrowth
- 55% Fleet Meadow Bromegrass
- 20% Cowgirl Tall Fescue
- 20% Intermediate Wheatgrass
- 5% 2010 Alfalfa Ultracoat

#11. Cattleman’s Choice/Premium Horse Hay
High-protein pasture with superb regrowth, quick to establish and ideal for horses
- 40% Fleet Meadow Bromegrass
- 20% Cowgirl Tall Fescue
- 20% 3010 Alfalfa Ultracoat
- 15% Trailburst Orchardgrass
- 5% Promesse Timothy

#12. Grassland Blend
Maximize regrowth and quality with no risk of bloat, suitable for variable topographies
- 30% Fleet Meadow Bromegrass
- 20% Cowgirl Tall Fescue
- 20% Boreal Creeping Red Fescue
- 20% Trailburst Orchardgrass
- 10% Promesse Timothy
#13. Saline
Quick establishment in saline areas with good longevity, helps reclaim saline areas over time
- 25% Slender Wheatgrass
- 25% Cowgirl Tall Fescue
- 20% Tall Wheatgrass
- 10% Barracade SLT Alfalfa UltraCoat
- 10% Dahurian Wildrye
- 10% Sweet Clover

#14. Lowland
Excellent blend to reclaim areas prone to flooding, aggressive root systems will help utilize moisture
- 30% Rival Reed Canarygrass
- 20% Riding Brand Tall Fescue
- 20% Promesse Timothy
- 15% Boreal Creeping Red Fescue
- 15% Alake Clover

#15. Horse Pasture
Easy to establish, low-maintenance blend, excellent for acreages, farmyards, high-traffic areas and horse pastures
- 50% Boreal Creeping Red Fescue
- 20% Promesse Timothy
- 15% Bigbang Annual Ryegrass
- 10% Tirim Kentucky Bluegrass
- 5% Grasslands Huia White Clover

#17. All Grass Saline
Rapid establishment in saline areas, good longevity and no risk of bloat
- 40% Cowgirl Tall Fescue
- 20% Carlton Smooth Bromegrass
- 15% Pubescent Wheatgrass
- 15% Slender Wheatgrass
- 10% Dahurian Wildrye

#18. Annual Forage EXT
Long-season, cocktail crop grazing applications with soil improvement benefits
- 50% Fabio Italian Ryegrass
- 15% Punebred Brand Radish
- 15% Purple Top Turnip
- 10% Hairy Vetch
- 10% Forage Brassica

Ultracoat™ is a proprietary seed coating that improves the appearance, handling and agronomics of our top alfalfas and bromegrasses. The benefits of Ultracoat start with a polymer that is specially formulated for durability, uniform seed coverage and on-seed setting. The polymer uses talc that readily adheres to the seed. Better adhesion means improved flowability and less dust-off. The Ultracoat polymer is bacteria friendly and pH neutral, supporting high rhizobia levels and ensuring optimum on-seed survival. Ultracoat includes precise layering of Apron XL® fungicide and OMRI-certified Nitragin® Gold inoculant on alfalfa. Apron XL guards against diseases that can inhibit emergence, plant stand, plant health and ultimately yield potential. Nitragin Gold consistently delivers high levels of nitrogen fixation through specially selected natural rhizobia strains.

Benefits of Ultracoat
- Helps with flowability and accurate seed placement
- Consistent seed appearance and improved visibility in the soil
- Seed environment conducive to improved germination and seedling survival
- Fungicide and inoculant are layered on alfalfa to aid in seedling health, nitrogen fixation and plant growth

Seed Coating
BrettYoung seed coating gives your seed every chance to succeed. The precise layering of nutrients, pesticides or growth-promoting additives on-seed provides value-added benefits. At our state-of-the-art computer-automated seed coating facility we enhance the appearance, handling and agronomics of our top seed products with Ultracoat.
BrettYoung’s complete portfolio of high-performance alfalfas will meet any need. Excellent forage yield potential, outstanding quality and a mixture of rooting habits and special characteristics make these varieties the best option for your farm.
The Premier Certified Alfalfa Blend for the Canadian Prairies

Blend 4440 is a mixture of premium, certified alfalfas that combine the strengths of our best varieties: high yield, superior winterhardiness, disease resistance, salt and traffic tolerance, multifoliate expression and unique rooting habits such as branch and creeping root characteristics. The combination of these unique characteristics are suitable for a wide range of growing conditions. Demand the best varietal alfalfa in the prairies – choose Blend 4440 alfalfa.

ALFALFA & LEGUMES

Move milk production to the next level – introducing Surge HG with Hi-Gest™ Alfalfa Technology. Improve fibre digestibility and forage quality while maintaining yield, persistence and multiple pest resistance.

Hi-Gest ALFALFA TECHNOLOGY

Improved fibre digestibility

Lignin is a complex organic compound that hardens and strengthens plant cell walls. In mature plants, lignin negatively affects forage quality and interferes with animal digestion. Through focused breeding, Hi-Gest varieties offer high yield and improved fibre digestibility. This improvement in fibre digestibility increases the rate of fibre digestion, which can improve animal intake by 5–10%; the extent of fibre digestion by 5–10%, and crude protein by 3–5%. The net impact can be 2.5 pounds or more of milk per cow per day.

Introducing Surge HG

- Elite genetics through conventional plant breeding
- Improved fibre digestibility when compared to other conventional dormant varieties for enhanced animal performance
- Management flexibility to work around the weather or manage tonnage and quality to maximize return per acre
- Patent pending variety

Surge HG Description

Surge HG is medium height with a dense, leafy canopy and high leaf-to-stem ratio. As a non-transgenic variety, Surge HG does not require special stewardship management considerations. Surge HG has the flexibility to adjust to aggressive harvest systems to maximize yield and quality or to more relaxed schedules focused on tonnage. Lodging tolerance is comparable to other high-yielding competitive varieties.

The increased rate of fibre digestion, extent of digestion and crude protein data was developed from replicated research and on-farm testing. During the 2015 growing season at West Salem, WI and Woodland, CA, the following commercial dormant, semi-dormant and non-dormant alfalfa varieties were compared head-to-head with Hi-Gest alfalfa for rate of digestion, extent of digestion and percent crude protein: Mentor’s RW60, Blend 3114Q and 4114Q, Croplands Casper and Casper Plus, and WL Brands 319HQ and 354HQ. Also, during the 2015 growing season, 22 so-tor-bide Hi-Gest hay and silage samples were submitted to Rock River Laboratory, Inc. for forage analysis. The results for rate of digestion, extent of digestion and percent crude protein were averaged and compared to the 40-day and four-year running averages for alfalfa in the Rock River database, which included approximately 1,700 alfalfa hay and 3,800 silage 40-day test results and 60,000 hay and 122,000 silage tests results in the four-year average.

Surge HG

Fall Dormancy 4.0
Winterhardiness 1.7
Multifoliate Leaf Expression 93%
Disease Resistance Index 34/35

* The increased rate of fibre digestion, extent of digestion and crude protein data was developed from replicated research and on-farm testing. During the 2015 growing season at West Salem, WI and Woodland, CA, the following commercial dormant, semi-dormant and non-dormant alfalfa varieties were compared head-to-head with Hi-Gest alfalfa for rate of digestion, extent of digestion and percent crude protein: Mentor’s RW60, Blend 3114Q and 4114Q, Croplands Casper and Casper Plus, and WL Brands 319HQ and 354HQ. Also, during the 2015 growing season, 22 so-tor-bide Hi-Gest hay and silage samples were submitted to Rock River Laboratory, Inc. for forage analysis. The results for rate of digestion, extent of digestion and percent crude protein were averaged and compared to the 40-day and four-year running averages for alfalfa in the Rock River database, which included approximately 1,700 alfalfa hay and 3,800 silage 40-day test results and 60,000 hay and 122,000 silage tests results in the four-year average.

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Hi-Gest ALFALFA TECHNOLOGY

Improved fibre digestibility

Lignin is a complex organic compound that hardens and strengthens plant cell walls. In mature plants, lignin negatively affects forage quality and interferes with animal digestion. Through focused breeding, Hi-Gest varieties offer high yield and improved fibre digestibility. This improvement in fibre digestibility increases the rate of fibre digestion, which can improve animal intake by 5–10%; the extent of fibre digestion by 5–10%, and crude protein by 3–5%. The net impact can be 2.5 pounds or more of milk per cow per day.

Introducing Surge HG

- Elite genetics through conventional plant breeding
- Improved fibre digestibility when compared to other conventional dormant varieties for enhanced animal performance
- Management flexibility to work around the weather or manage tonnage and quality to maximize return per acre
- Patent pending variety

Surge HG Description

Surge HG is medium height with a dense, leafy canopy and high leaf-to-stem ratio. As a non-transgenic variety, Surge HG does not require special stewardship management considerations. Surge HG has the flexibility to adjust to aggressive harvest systems to maximize yield and quality or to more relaxed schedules focused on tonnage. Lodging tolerance is comparable to other high-yielding competitive varieties.

ALFALFA & LEGUMES

Move milk production to the next level – introducing Surge HG with Hi-Gest™ Alfalfa Technology. Improve fibre digestibility and forage quality while maintaining yield, persistence and multiple pest resistance.

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<table>
<thead>
<tr>
<th>Group</th>
<th>Intended Use</th>
<th>Variety Key Features</th>
<th>Variety Limitations</th>
<th>Production Period</th>
<th>Winter-hardiness</th>
<th>Environmental Tolerances</th>
<th>Approx. Seeds/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>High yield potential, Excellent digestibility, Fast recovery and regrowth</td>
<td>Spring – Fall</td>
<td>Very Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Hay &amp; Forage</td>
<td></td>
<td></td>
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<tr>
<td>4020 MF</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>High multifoliate expression, Fast recovery, Good winterhardiness</td>
<td>Spring – Fall</td>
<td>Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>4010 BR</td>
<td>Branch root</td>
<td>Widely adapted</td>
<td>Rosette root tolerates wet soils, High forage yield, Persistent, Highly resistant to major diseases</td>
<td>Spring – Fall</td>
<td>Very Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Blend 4440</td>
<td>Mixed</td>
<td>Widely adapted</td>
<td>Blend of certified varieties, Widely adapted, High yield potential, Excellent winterhardiness, Disease resistance</td>
<td>Spring – Fall</td>
<td>Excellent</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Barricade SLT</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>Improved salt tolerance, Excellent forage yield potential, Broad disease and pest resistance</td>
<td>Spring – Fall</td>
<td>Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>HybroForce-3400</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>Tap yield and quality, Highest forage yield potential, Rapid recovery, Excellent disease resistance, Dense, persistent stands, Fine stems and high quality</td>
<td>Spring – Fall</td>
<td>Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Stronghold</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>Winterhardiness and quality, Excellent yield and quality, Superior winterhardiness, with low dormancy, Excellent disease resistance</td>
<td>Spring – Fall</td>
<td>Excellent</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Surge HG</td>
<td>Tap root</td>
<td>Widely adapted</td>
<td>Hi-Gest Alfalfa Technology, Improved fibre digestion and crude protein, More pounds of milk per cow</td>
<td>Spring – Fall</td>
<td>Very Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>3010 Deep-set crown</td>
<td>Upright</td>
<td>Widely adapted</td>
<td>Suitable for pasture production, High traffic tolerance due to deep-set crown, High forage yield, Excellent disease-resistance package</td>
<td>Spring – Fall</td>
<td>Very Good</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
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<tr>
<td>Fieldspreader</td>
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<tr>
<td>2010 Creeping root</td>
<td>Upright</td>
<td>Widely adapted</td>
<td>Creeping forage, Creeping-rooted type, Good regrowth</td>
<td>Spring – Fall</td>
<td>Excellent</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
<tr>
<td>Snyder</td>
<td>Upright</td>
<td>Drier regions</td>
<td>Excellent winterhardiness, Creeping-rooted type, Good regrowth</td>
<td>Spring – Fall</td>
<td>Excellent</td>
<td>Drought: Good, Flooding: Low to Moderate, Optimum pH: 6.0–7.8, Acidity: Low to Moderate, Alkalinity: Moderate to High, Salinity: Low to Moderate</td>
<td>225,000</td>
</tr>
</tbody>
</table>
## ALFALFA & LEGUME VARIETIES

<table>
<thead>
<tr>
<th>Group</th>
<th>Intended Use</th>
<th>Species</th>
<th>Variety</th>
<th>Rooting Habit</th>
<th>Plant Type</th>
<th>Preferred Growing Conditions</th>
<th>Variety Key Features</th>
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<td></td>
<td>Poor to    Moderate</td>
<td>5.5–7.5</td>
</tr>
</tbody>
</table>

**Environmental Tolerances:**
- **Drought:** Moderate to High
- **Flooding:** Moderate to High
- **Optimum pH:** 6.2–6.5
- **Acidity:** Moderate
- **Alkalinity:** Low to Moderate
- **Salinity:** Low to Moderate

**Approx. Seeds/lb:**
- **370,000** for Bloat-Free Legume Variety
- **120,000** for Cicer Milkvetch
- **25,000** for Sainfoin
- **640,000** for Akike Clover
- **240,000** for Double-Cut Red Clover
- **275,000** for Red Clover Single-Cut
- **250,000** for Yellow Blossom Sweet Clover
- **775,000** for White Clover
Factors to Consider

BrettYoung’s complete portfolio of high-performance alfalfa will meet any need. Follow this alfalfa selector to find the variety best suited for your management system and environment to achieve your production goals.

For detailed descriptions and features of all alfalfa varieties, see pages 22 to 27.
Give your stand the boost it needs with BrettYoung's full line of grasses. Whether you are seeking higher productivity, rapid regrowth or disease resistance, the specialists at BrettYoung will supply the seed you need for a successful hay, pasture or turf stand.
FULL LINE OF FORAGE GRASSES

Full Line of Forage Grasses

Improved grass varieties are an important component in most hay and pasture stands. They add to the productivity, yield, quality and production timing of most mixtures. BrettYoung is constantly working with plant breeders to offer a complete portfolio of improved varieties to meet Western Canadian production needs.

Selecting the right grass for your operation is critical to achieving your production goals. Our Retail Account Managers will work with you to make the best choices for your farm. Our guide offers a number of tools to help you learn about our grass species, improved varieties and their adaptation.

Forage Grass Species

- Ryegrass
- Bromegrass
- Fescue
- Orchardgrass
- Timothy
- Wheatgrass
- Wildrye
- Native seed

Whether you are looking for high productivity, rapid regrowth or disease resistance, when it comes to a successful hay or pasture stand, don’t settle for anything less than BrettYoung’s full line of premium forage grasses.

SWAJ Tall Fescue

Outstanding Winterhardiness & Soft-Leaved Palatability

SWAJ is a Nordic tall fescue bred for its winterhardiness, specifically its tolerance to harsh winter conditions characterized by frost, snow and ice. Selected for soft-leaved palatability and improved feed quality enhances digestibility and pounds of gain. Its ideal maturity provides complimentary timing and blend compatibility with most hay and pasture uses.

SWAJ has a bunch-type growth habit, average flag leaf size and tall plant height delivering more biomass. A strong disease package includes resistance to crown rust.

Features

- Soft-leaved palatability
- Crown rust resistance

- Outstanding winterhardiness
- High yield

Bigfoot Hybrid Bromegrass

Versatile Hay or Pasture

Bigfoot is a hybrid bromegrass with vigorous establishment, vegetative regrowth and expanded seasonal forage production.

Bigfoot is a synthetic cross of smooth and meadow bromegrass cultivars. An excellent component for most hay and pasture uses, it has faster regrowth than smooth and higher yields than meadow.

Features

- Soft-leaved palatability
- Higher yield than meadow

- Lateral, sod forming growth
- Faster regrowth than smooth
### Forage Grass Varieties

#### Environmental Tolerances

<table>
<thead>
<tr>
<th>Species</th>
<th>Drought</th>
<th>Flooding</th>
<th>Optimum pH</th>
<th>Acidity</th>
<th>Alkalinity</th>
<th>Salinity</th>
<th>Approx. Seeds/lb</th>
<th>Seeding Rate lb/acre</th>
</tr>
</thead>
</table>

#### Species Limitations

<table>
<thead>
<tr>
<th>Species</th>
<th>Production Period</th>
<th>Winter-hardiness</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Ryegrass</td>
<td>Mid to Late Summer, Fall</td>
<td>Annual</td>
<td><em>Tetraploid type</em>; <em>Rooting ability</em>; <em>Tolerant to drought stress</em></td>
</tr>
<tr>
<td>Italian Ryegrass</td>
<td>Mid to Late Summer, Fall</td>
<td>Annual</td>
<td><em>Tetraploid type</em>; <em>Rooting ability</em>; <em>Tolerant to drought stress</em></td>
</tr>
<tr>
<td>Forage Radish</td>
<td>Late Summer, Fall</td>
<td>Annual</td>
<td><em>Tetraploid type</em>; <em>Rooting ability</em>; <em>Tolerant to drought stress</em></td>
</tr>
<tr>
<td>Purple Top Turnip</td>
<td>Late Summer, Fall</td>
<td>Annual</td>
<td><em>Tetraploid type</em>; <em>Rooting ability</em>; <em>Tolerant to drought stress</em></td>
</tr>
<tr>
<td>Warm-season Grass</td>
<td>Late Summer, Fall</td>
<td>Annual</td>
<td><em>Tetraploid type</em>; <em>Rooting ability</em>; <em>Tolerant to drought stress</em></td>
</tr>
<tr>
<td>Oat/Pea Mixture</td>
<td>Summer</td>
<td>Annual</td>
<td><em>Good nurse crop</em>; <em>Good quality</em></td>
</tr>
<tr>
<td>Cool-season Grass legume</td>
<td>Mid to Late Summer, Fall</td>
<td>Moderate</td>
<td><em>Slow regrowth</em>; <em>Not hardy</em></td>
</tr>
<tr>
<td>Brome</td>
<td>Mid to Late Summer, Fall</td>
<td>Moderate</td>
<td><em>Slow regrowth</em>; <em>Not hardy</em></td>
</tr>
<tr>
<td>Carlton</td>
<td>Mid to Late Summer, Fall</td>
<td>Moderate</td>
<td><em>Slow regrowth</em>; <em>Not hardy</em></td>
</tr>
<tr>
<td>Creeping Red Fescue</td>
<td>Spring – Fall</td>
<td>Good</td>
<td><em>Tolerant to flooding</em>; <em>Drought tolerant</em></td>
</tr>
<tr>
<td>Meadow Fescue</td>
<td>Spring – Fall</td>
<td>Good</td>
<td><em>Tolerant to flooding</em>; <em>Drought tolerant</em></td>
</tr>
<tr>
<td>Tall Fescue</td>
<td>Spring – Fall</td>
<td>Good</td>
<td><em>Tolerant to flooding</em>; <em>Drought tolerant</em></td>
</tr>
<tr>
<td>Riding Brand Fescue</td>
<td>Spring – Fall</td>
<td>Good</td>
<td><em>Tolerant to flooding</em>; <em>Drought tolerant</em></td>
</tr>
</tbody>
</table>

#### Key Features

- *Good seedling vigour*
- *Endophyte free*
- *Tolerant to acidity*
- *High yield*
- *Excellent pasturage variety*
### FORAGE GRASS VARIETIES

<table>
<thead>
<tr>
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<th>Intended Use</th>
<th>Species</th>
<th>Variety</th>
<th>Rooting Habit</th>
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<th>Approx. Seeds/lb</th>
<th>Seeding Rate lb/ac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial</td>
<td>Hay &amp; Pasture</td>
<td>Timothy Catapult Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Strong seedling vigour • Excellent summer regrowth • Stand persistence • Exceptional yield • Tall plant height</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good</td>
<td>Low</td>
<td>1,200,000</td>
<td>3-6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Timothy Summergraze Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Medium maturity • High yields • Very good to excellent winterhardiness • Excellent stand density</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good to Excellent</td>
<td>Low</td>
<td>1,200,000</td>
<td>3-6</td>
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<td></td>
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<td>Timothy Promesse Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Early maturity • Superior resistance to lodging • High yields • Extremely leafy</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good to Excellent</td>
<td>Low</td>
<td>1,200,000</td>
<td>3-6</td>
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<td></td>
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<td>Oak</td>
<td>Basal</td>
<td>Preference is for soils with medium to high fertility</td>
<td>• Very leafy bunchgrass • High-quality forage • Susceptible to winterkill • Requires high fertility</td>
<td>• Very susceptible to winterkill</td>
<td>Mid to Late Summer, Fall</td>
<td>Poor</td>
<td>Moderate</td>
<td>240,000</td>
<td>8-12</td>
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<td>Kentucky Bluegrass</td>
<td>Sod-forming Basal</td>
<td>Does best on well-drained, highly productive soils</td>
<td>• Long-lived • Highly palatable • Tolerance to flooding and close grazing</td>
<td>• Does not tolerate drought</td>
<td>Spring – Fall</td>
<td>Excellent</td>
<td>Low to Moderate</td>
<td>2,100,000</td>
<td>4-6</td>
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<td>Meadow Foxtail</td>
<td>Bunch-grass Basal</td>
<td>Prefers cool conditions and high water tables</td>
<td>• Excellent flood tolerance</td>
<td>• Difficult to handle seed</td>
<td>Early Spring – Fall</td>
<td>Good</td>
<td>Low</td>
<td>410,000</td>
<td>3-4</td>
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<td>Killarney Sod-forming</td>
<td>Basal</td>
<td>Medium-to-high-fertility soils with adequate moisture</td>
<td>• Very leafy bunchgrass • High-quality forage • Susceptible to winterkill • Requires high fertility</td>
<td>• Very susceptible to winterkill</td>
<td>Mid to Late Summer, Fall</td>
<td>Poor</td>
<td>Low</td>
<td>240,000</td>
<td>8-12</td>
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<td>Rival</td>
<td>Sod-forming Elongating</td>
<td>Grows well on poorly drained soils prone to flooding</td>
<td>• Low alkaloid variety • Can be subjected to temporary flooding up to 8 weeks • Excellent winterhardiness</td>
<td>• Not saline tolerant</td>
<td>Spring – Summer</td>
<td>Excellent</td>
<td>Moderate Excellent</td>
<td>535,000</td>
<td>4-8</td>
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<td>AC Killarney Bunch-grass</td>
<td>Basal</td>
<td>Prefers medium textured, well-drained soils with good moisture</td>
<td>• Good winterhardiness • Late maturity • Dense leafy production</td>
<td>• Not always winter-hardy</td>
<td>Spring – Fall</td>
<td>Good</td>
<td>Moderate</td>
<td>425,000</td>
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<td>Trailburst Bunch-grass</td>
<td>Basal</td>
<td>Prefers medium textured, well-drained soils with good moisture</td>
<td>• Selected for vigour and plant health • High forage quality and palatability • Disease and stem rust resistance • High yields</td>
<td>• Not always winter-hardy</td>
<td>Spring – Fall</td>
<td>Fair to Good</td>
<td>Moderate Moderate</td>
<td>425,000</td>
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<td>Timothy Catapult Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Strong seedling vigour • Excellent summer regrowth • Stand persistence • Exceptional yield • Tall plant height</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good</td>
<td>Low</td>
<td>1,200,000</td>
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<td>Timothy Summergraze Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Medium maturity • High yields • Very good to excellent winterhardiness • Excellent stand density</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good to Excellent</td>
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<td>Timothy Promesse Bunch-grass</td>
<td>Basal</td>
<td>Adapted to cool, moist areas, good tolerance to waterlogged soils</td>
<td>• Early maturity • Superior resistance to lodging • High yields • Extremely leafy</td>
<td>• Not saline or drought tolerant • Not tolerant to continuous grazing</td>
<td>Spring – Summer</td>
<td>Very Good to Excellent</td>
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### Environmental Tolerances

<table>
<thead>
<tr>
<th>Species Limitations</th>
<th>Production Period</th>
<th>Winter-hardiness</th>
<th>Approx. Seeds/lb</th>
<th>Seeding Rate lb/ac</th>
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</thead>
<tbody>
<tr>
<td>Drought</td>
<td>Flooding</td>
<td>Optimum pH</td>
<td>Acidity</td>
<td>Alkalinity</td>
</tr>
<tr>
<td>Poor</td>
<td>High</td>
<td>5.5-7.5</td>
<td>Moderate to High</td>
<td>Low</td>
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<tr>
<td>Good</td>
<td>Low to Moderate</td>
<td>5.5-7.5</td>
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<tr>
<td>Excellent</td>
<td>Low</td>
<td>5.5-7.5</td>
<td>Moderate to High</td>
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<tr>
<td>Excellent</td>
<td>Moderate to High</td>
<td>6.0-7.5</td>
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<td>Low to Moderate</td>
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<tr>
<td>Good</td>
<td>Moderate to High</td>
<td>6.0-7.5</td>
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<td>Good</td>
<td>Moderate to High</td>
<td>6.0-7.5</td>
<td>Moderate Low</td>
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</tbody>
</table>

### Notes
- **Group:** Creeping Foxtail, Kentucky Bluegrass, Meadow Foxtail, Perennial Ryegrass, Reed Canarygrass, Orchard-grass
- **Intended Use:** Hay & Pasture
- **Species:** Timothy, Promesse
- **Variety:** Catapult, Summergraze, Promesse
- **Rooting Habit:** Sod-forming, Basal
- **Plant Type:** Bunch-grass
- **Preferred Growing Conditions:** Adapted to soils with continuous moisture
- **Species Limitations:** Difficult to handle seed
- **Production Period:** Spring – Fall
- **Winter-hardiness:** Very Good
- **Approx. Seeds/lb:** 785,000
- **Seeding Rate lb/ac:** 3-6
### Forage Grass Varieties

<table>
<thead>
<tr>
<th>Group</th>
<th>Intended Use</th>
<th>Species</th>
<th>Variety</th>
<th>Roasting Habit</th>
<th>Plant Type</th>
<th>Preferred Growing Conditions</th>
<th>Variety Key Features</th>
<th>Species Limitations</th>
<th>Production Period</th>
<th>Winter-hardiness</th>
<th>Environmental Tolerances</th>
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Environmental Tolerances:
- **Drought**: Low to Very High
- **Flooding**: Low to Very High
- **Optimum pH**: Low to High
- **Acidity**: Low to High
- **Alkalinity**: Low to Moderate
- **Salinity**: Low to Moderate
- **Approx. Seeds/lb**: 60,000 to 300,000
- **Seeding Rate lb/ac**: 10–15 to 20–30
Executive Blend (T8)
Kentucky bluegrass has long been a popular turf grass in temperate zones around the world. Executive Blend is a mixture of BrettYoung’s best semi-dwarf Kentucky bluegrass varieties that combine fine leaves, less vertical growth, persistence, heat tolerance, disease resistance and excellent turf quality.
• 100% Premium Kentucky Bluegrass Varieties

Deluxe Turf Blend (T12)
Deluxe Turf Blend combines the benefits of Kentucky bluegrass with additional shade tolerance from Aberdeen, a creeping red fescue with improved turf characteristics. Deluxe Turf Blend also includes 10% improved perennial ryegrass to get your lawn off to a faster start.
• 60% Babe Kentucky Bluegrass
• 30% Aberdeen Creeping Red Fescue
• 10% Dominator Perennial Ryegrass

All Purpose Mix (T6)
All Purpose Mix is well-suited to sun or shade and has annual ryegrass to germinate quicker and aid in establishment. All Purpose Mix does not use improved turf varieties, which reduces turf quality and provides a more economical option for establishing your lawn.
• 40% Common Kentucky Bluegrass
• 40% Common Creeping Red Fescue
• 20% Tetraploid Annual Ryegrass

Playground/Rural Lawn Mix (T3)
For areas that require less maintenance, can experience drought and do not require the look of a high-quality turf, Playground/Rural Lawn Mix is an excellent option. It will do well in sun or shade, but in extreme drought, the Fairway crested wheatgrass will become more dominant.
• 35% Common Kentucky Bluegrass
• 35% Common Creeping Red Fescue
• 10% FairwayCreased Wheatgrass
• 10% Deputy Tall Fescue
• 10% Diploid Annual Ryegrass

Drought Tolerant Turf Blend (T9)
Drought Tolerant Turf Blend includes improved varieties of creeping red fescue, sheep fescue, chewings fescue and hard fescue. The result is a mixture that will provide a dense, high-quality turf that has reduced regrowth and requires less water than other turf mixtures.
• 35% Aberdeen Creeping Red Fescue
• 25% Shadow III Chewings Fescue
• 20% Common Sheep Fescue
• 20% Improved Hard Fescue Variety

Establishing Your Lawn
Here are some tips to make sure your lawn establishes:
• Seed at 4 pounds per 1,000 square feet.
• Use a high-quality starter fertilizer, 18-24-12 with 50% slow-release nitrogen is ideal at a rate of 10 pounds per 1,000 square feet.
• Grass seed needs water and light to germinate. Seed shallow and frequently water at low rates for 3 to 4 weeks until full germination is reached.
Producing Seed for BrettYoung

Benefits of Seed Production

Forage and turf seed production is an excellent way to get a head start on next year’s seeding, diversify your risk and add some profitable cropping options to your rotation. Forage and turf seed markets have been stable with consistent demand and good prices.

In addition to being some of the more consistently profitable cropping options available to Western Canadian growers, turf and forage seed production also provides agronomic benefits for your farm.

Agronomic Benefits

Turf Seed Production

• Early harvest splits up fall workload
• Increases organic matter, helps improve less productive or marginal soils
• Some species have tolerance to salinity, alkali
• Break-crop effect of grasses will benefit following annual crops

Legume Seed Production

• Improves soil tilth
• Low-input user
• Nitrogen fixation
• Break-crop effect of legumes will benefit following annual crops

Economic Benefits

Compared to other commodity crops, forage and turf seed production has an excellent profitability track record. It has consistently pencilled out as a lucrative option for Western Canadian growers. Furthermore, prices for turf seed crops such as perennial ryegrass, annual ryegrass, creeping red fescue and tall fescue have increased in recent years. Many of BrettYoung’s seed production contracts allow growers to lock in these high price levels and do not limit upside, which can really help add to a farm’s bottom line.

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Seed Production Specialist Services

BrettYoung’s dedicated team of Seed Production Specialists, with expertise in forage and turf seed production, spans Western Canada. From scouting and selection of production fields, fertility programs, pesticide and growth regulator recommendations, to swathing, harvest timing and cover crop management, Seed Production Specialists are there every step of the way to help growers maximize returns. Forage and turf grass species have shown strong seed yield increases in Western Canada, and efforts continue to improve agronomics, seed yield and quality.

Planning

• Scouting and selection of production fields
• Selection of proper production species
• Recommendation on expected production practices
• Communication of contract terms

Seeding & Crop Development

• Delivery of seed stock
• Multiple field scouting visits
• Fertility recommendations
• Herbicide, fungicide and growth regulator recommendations

Crop Delivery

• Communication of delivery schedule
• Communication of crop quality analysis
• Communication of grower payments

Grow Seed and Save

Seed Grower Partnership Program

Contract forage and turf seed production with BrettYoung and save with significant cash rebates on purchases of BrettYoung canola, forages and Elite soybeans.

Spring plant a minimum of 150 acres and purchase at least 320 acres of qualifying crop inputs to earn the biggest rebates.

Grow Seed and Save

Seed Grower Partnership Program

Contract forage and turf seed production with BrettYoung and save with significant cash rebates on purchases of BrettYoung canola, forages and Elite soybeans.

Spring plant a minimum of 150 acres and purchase at least 320 acres of qualifying crop inputs to earn the biggest rebates.

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Seed Grower Partnership Program

Contract forage and turf seed production with BrettYoung and save with significant cash rebates on purchases of BrettYoung canola, forages and Elite soybeans.

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Spring plant a minimum of 150 acres and purchase at least 320 acres of qualifying crop inputs to earn the biggest rebates.
BrettYoung will guarantee your forage seed investment in the unfortunate event of an establishment failure. Order your seed and complete the enrolment form by April 1, 2020, to be eligible for 100% coverage.

Agronomic Requirements

To receive replacement seed of qualifying varieties, all of the seeding preparation and agronomic practices noted below must be followed and documented.

**Time of Seeding**

- Forage seed must be planted before June 30, 2020. If a cover crop is used, the seeding rate must be reduced to one-half or less of the normal recommended seeding rate and harvested as greenfeed or silage. To reduce lodging and severe competition from the cover crop, the soil nitrogen and applied nitrogen must not exceed 50 pounds of actual nitrogen per acre.

**Seedbed Preparation**

Seed must be planted in a firm, well-prepared seedbed that has undergone proper weed control, crop residue management and good seed-to-soil contact.

**Seeding Depth and Packing**

Forage seed must be seeded to a depth of one-half to one-quarter inch. Broadcast seeding operations must be incorporated and packed immediately, no deeper than the noted depth.

**Seeding Rates**

Minimum seeding rates appropriate for the cropping zones and area must be followed. In the drier regions, the minimum rate is 8 pounds per acre for hay and pasture mixes. In higher moisture regions, the minimum is 12 pounds per acre for hay and pasture mixes.

**Weed and Insect Infestation**

The Forage Establishment Guarantee is not available in the event of excess weed competition or insect infestation. Preventative action must be taken to control weed infestation. Reasonable control and monitoring of insects, mainly grasshoppers, is required.

**Fertility and Soil pH**

Soil pH for alfalfa plantings must be within a range of 6.5 to 8.5. A soil test showing satisfactory soil conditions must be available. Forage seed planted in an area where improper fertility and soil pH are present will be ineligible for coverage.

No more than 15 pounds of P₂O₅ should be placed in the seed row with the seed. Higher rates must be banded away from the seed row to avoid seedling damage.

**Chemical Residue**

Stand damage due to chemical residue is not eligible for coverage.

**Stand Evaluation**

Your BrettYoung Retail Account Manager must be notified within 60 days of seeding or by July 31, 2020. By this date, with corrective management such as weed or insect control, the forage stand will establish to its full potential.

**Cover Crops**

If a cover crop is used it must be seeded at one-third to one-half of the normal seeding rate. Seed forages in a separate pass at an angle to your cover crop to reduce competition and to aid in depth control. Remove the cover crop as early as possible rather than harvesting the grain. This will reduce the amount of competition for sunlight, moisture and nutrients.
BrettYoung 2020 Forage Establishment Guarantee

Even though you’ve taken care to properly seed and establish your new forage stand, weather does not always co-operate. Not to worry, BrettYoung will guarantee your forage seed investment on qualifying premium products. In the unfortunate event of establishment failure, the replacement seed cost is borne by BrettYoung. Percent coverage depends on when you enrol in the program, place your seed order and if a cover crop is used.

Program Eligibility Criteria
To be eligible for the program, the following criteria must be met:

- Order seed and enrol in the program by April 1, 2020, and seed without a cover crop to qualify for 100% coverage on replacement seed.
- If a cover crop is used during the April 1, 2020 enrolment period, replacement seed coverage is 50%.
- Enrol in the program by April 30, 2020, and seed without a cover crop to qualify for 50% coverage on replacement seed.
- If a cover crop is used during the April 30, 2020 enrolment period, replacement seed coverage is 25%.
- Stand must be planted by June 30, 2020.
- Products or blend components used must qualify for the program.
- Must fulfill Agronomic Requirements as outlined on the opposite page.

Program Limitations

- Replacement seed under the Forage Establishment Guarantee is provided only once for the area of the stand that failed to establish and must be seeded in that area.
- Replacement seed will be the same variety or mixture as originally purchased, subject to availability.
- Replacement seed must be planted during the original year of seeding or during spring of the following year.
- Good agronomic seeding preparations and stand establishment practices must be followed and documented as outlined on the opposite page.

Online Registration
Complete the Forage Establishment Guarantee registration form to enrol in the program. Be sure to register and buy qualifying BrettYoung forages before April 1st, 2020 to be eligible for 100% coverage.

Download your registration form today at brettyoung.ca/Establishment-Guarantee

Key Dates

- April 1, 2020
  Deadline to order seed and enrol in the program to be eligible for 100% coverage.

- April 30, 2020
  Deadline to enrol in the program to be eligible for 50% coverage.

- June 30, 2020
  Seeding deadline on all qualifying forage stands.

Within 60 days of seeding or July 31, 2020
Deadline to notify BrettYoung Retail Account Manager of stand establishment concerns.