

PRODUCT GUIDE

BrettYoung[™]

Committed to You

PROFESSIONAL TURF & RECLAMATION PRODUCTS

PROFESSIONAL TURF FERTILIZER • CONTROL PRODUCTS • SEED (TURF, NATIVE AND RECLAMATION)
WATER MANAGEMENT & SOIL AMENDMENTS • GOLF COURSE ACCESSORIES
EQUIPMENT & SPORTSFIELD PRODUCTS • EROSION CONTROL



PROFESSIONAL TURF & RECLAMATION PRODUCTS

BrettYoung is a privately owned company with headquarters in Winnipeg, MB, Canada. Proud of our 80+ year history, we employ approximately 170 people in five processing and distribution facilities in Canada and in various sales territories across North America serving customers in three distinct markets:

Professional Turf and Reclamation – BrettYoung provides a wide range of products and services to professional turf and reclamation markets in Canada.

Seed and Crop Inputs – BrettYoung provides crop input solutions to Canadian and US farmers, including BrettYoung canola and forage seed; Elite® brand corn and soybean seed; and Lallemand® biological growth-promoting technology, BioBoost®, for canola and soybeans.

Wholesale Forage and Turf – BrettYoung partners with growers to produce forage and turf seed for export to 40 countries around the world.

Our Culture

We foster a professional and welcoming environment built on passion and energy.

We act with integrity, always.

Our Purpose

To engage our customers and suppliers as partners.

To provide innovative seed solutions and industry-leading service.

To encourage your growth in every way.

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Our Team



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About BrettYoung – Professional Turf & Reclamation

Formed in 2003, the Professional Turf & Reclamation (PTR) business has seen incredible growth and evolution over its history. What started with a small portfolio and footprint in the Prairie provinces, has grown to be the only Professional Turf company covering Ontario to British Columbia, with an incredibly diverse and innovative product offering.

Our Products – Whether you are a Golf Course Superintendent, Sod Farm Owner, Grounds Manager or Reclamation Specialist, BrettYoung has the products and support to help you be successful. Our products provide leading-edge solutions for all your turf or native grass needs.

Our Recommendations – Our Sales team is dedicated to understanding your preferences and exceeding your expectations. From helping you interpret your soil test information, to building your fertility program, or specifications on new seeding, we are here to help. We have a tremendous support network with our dedicated partners in seed, fertilizer and erosion control. If we don't have the answer, we know who does.

Our Service – We have six locations across Canada with great support staff in place; we make sure your product needs are covered. No matter where you are located there's a BrettYoung representative and facility near you.

Thank you for taking the time to learn more about BrettYoung. We appreciate the opportunity to earn your business. No matter your business, we look forward to seeing how we can help make you successful.

We are Committed to You.



A, B, Cs of Soil Testing

Getting Started

Base Line Testing – Test all primary sites in either spring or fall. Use a 3-year rotation to ensure all sites are being monitored. For problematic sites, establish a monitoring program to evaluate progress. This practice will build the foundation for a solid program.

Monitor Testing – A consistent monitoring program can show any potential changes in the soil and will help us to stay ahead of any problems that may occur. Soluble Paste Extract tests should also be run to determine nutrient mobility in the soil. This combination of tests will help us better understand what nutrients are truly mobile in the soil.

Tests

Standard Chemistry Tests – These show percentage of the basic cations on the soil colloid, soil pH, cation deficiencies, organic matter percentage and standard anions. This provides enough information to make basic recommendations to help balance the soil.

Water Testing – Water tests need to be taken from the end of the irrigation line and not the pond. Tests need to be taken the same time each year.

Paste Extracts – Water Soluble tests provide a host of information, primarily what nutrients in the soil are actually soluble. They can also provide a soil bicarbonate test, which can indicate if the soil surface is being sealed off by high levels of bicarbonates.

Other Tests – Tissue tests or physical tests may be suggested during the season, based on the evaluation of the standard chemistry tests.



Professional Turf Fertilizer

Fertilizer has been a huge part of the foundation for BrettYoung's Professional Turf product portfolio since the business was founded. The portfolio continues to grow and evolve year-over-year and here are a few of the reasons why superintendents choose BrettYoung products across Canada:

Innovation – Fertility has evolved significantly over the last 15 years and BrettYoung and their core partners remain at the forefront of it. With innovative products from Redox and Plant Food, promoting lower rates with very high availability, turf managers are able to reduce inputs and have significantly stronger, healthier plants.

Quality – BrettYoung selects only industry leaders as partners and is committed to providing a quality product every time. All granular products are full formulations, triple-screened for uniformity and easy application.

Choice – From liquid to granular to organics, the BrettYoung fertilizer portfolio is the most complete and diverse on the market. No matter what formulation you are looking for, BrettYoung can help.

Addition of Plant Science – The spring 2016 acquisition of Plant Science means the BrettYoung product offering is about to become even more complete. With some of the industry's most innovative granular technology, Plant Science is a perfect fit for BrettYoung. Some of the new products are featured in this guide, with more evolution to come over time.



Plant Science® Products Bolster Fertilizer Offering

BrettYoung acquired Plant Science Inc., of Gormley, Ontario, in May of 2016, and adds Plant Science's innovation-driven fertilizer products business to BrettYoung's plan to build on its customer-centred, solutions-based model in the golf, turf and reclamation markets. Established in June 2003, Plant Science is a research and development company dedicated to the development and innovation of environmental technology for professional sports turf fertilizer products.

Innovative Technologies and Products for Professional Turf Managers

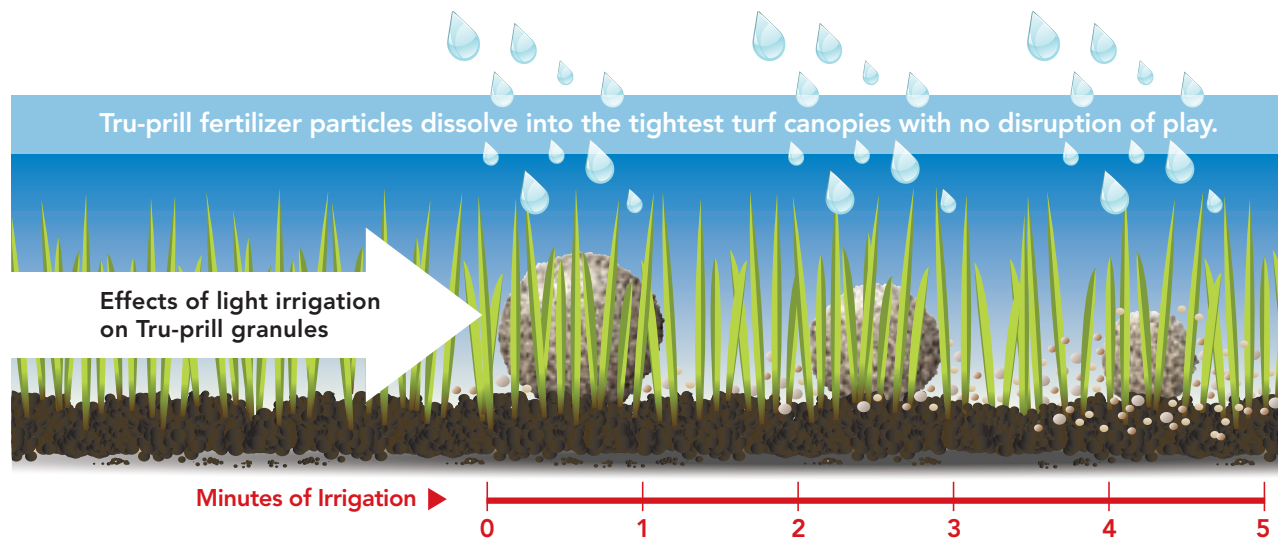
These products are based on fertilizer technologies that are scientifically based and peer reviewed. The goal is to earn the trust and confidence of professional turf managers by producing high quality products that improve plant health and performance. BrettYoung is pleased to add the following technologies and products to their product portfolio.

Tru-prill Homogenous Granule Fertilizer

Tru-prill® homogeneous fertilizers' highly dispersible granules dissolve into the tightest turf canopies with no disruption of play. Tru-prill provides uniform distribution of nutrients at low rates, allowing for more complete formulations, with a strong emphasis on secondary and micronutrients. Tru-prill comes in 12 different formulations to cover your green, fairway and sportsfield needs. To see them all, check out plantscience.com/nutricore.



Homogeneous Dispersible Fertilizer



Exchange 0-0-15 Micro

As part of the Tru-prill fertilizer lineup, Exchange® 0-0-15 Micro provides base nutrition to turfgrass grown on sand-based media. It is made from 100% natural milled gypsum and sulphate of potash magnesia. Exchange is granulated to provide a low-dust homogenous granule that reacts quickly with soil or sand media. Nutrients include soluble calcium, magnesium, potassium and sulphur to address common deficiencies of sand-based media.



GUARANTEED MINIMUM ANALYSIS:
Soluble Potash (K₂O) 6.0%
Calcium (Ca) 6.0%
Magnesium (Mg) 7.0%
Sulphur (S) 15.0%

Mineral Builder Homogenous Granule Fertilizer

Mineral Builder® homogeneous fertilizers are balanced with a complete formulation of available secondary and micronutrients. The Mineral Builder program is an investment in soil and plant health. Supported by research, it is an effective environmental strategy to optimize plant health.



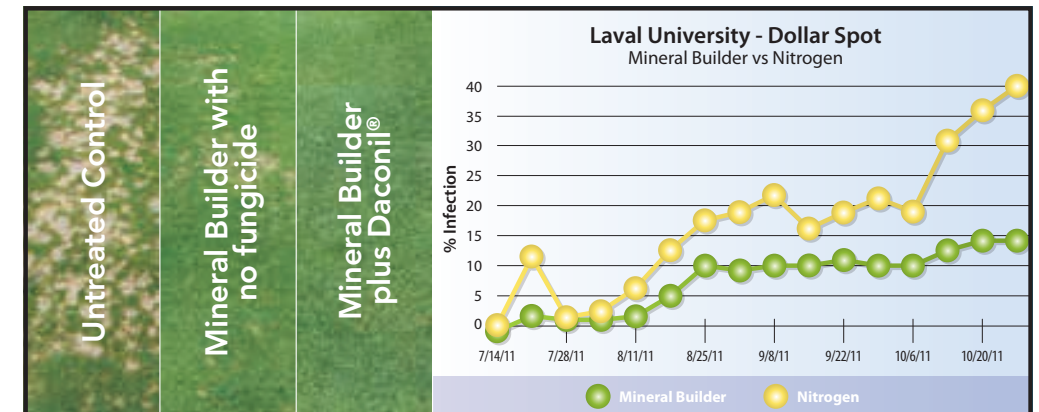
Mineral Builder fertilizers are available in several formulations:

- 16-2-15 mini
- 14-2-20 mini

Mineral Nutrition Research

Laval Protocol
 Monthly treatments of Mineral Builder 16-2-15 at 0.5 lbs N per 1,000 ft².

"On average, there was a 60% reduction in dollar spot in the 16-2-15 (Mineral Builder) plots when compared to nitrogen alone."
 Dr. Yves Desjardins



NutriCore Foliar Fertilizer

NutriCore™ fertilizers address nutrient deficiencies found on turf grown in sand media. NutriCore's unique technology ensures the total chelation of base nutrients for superior foliar uptake. NutriCore fertilizers are available in numerous formulations to satisfy your turf's every need. See them all at plantscience.com/nutricore.



Granular Fertilizer - Western Canada

Category	Group	Brand or Company	Intended Use	Season	Analysis	Slow Release Source	Key Features
Greens Grade	Homogenous Dispersible	Tru-prill	Greens/Tees	Spring/Summer	8-16-16 Ca 50% CRN	Isobutylidene diurea Plant-based Organics	- Starter formula - Balanced formulation for starter applications - Quick dispersion into canopy - Additional Ca for stronger plants
			Greens/Tees	Spring	13-1-13 Ca, Mg Micros	Ammonium Sulphate	- Cool-season performance - Quick dispersion into canopy - Complete nutrient package
			Greens/Tees	Summer	15-2-15 Ca, Mg, Zn, Mn, Fe 70% CRN	Isobutylidene diurea Plant-based Organics	- Balanced formula - Quick dispersion into canopy - 60% water insoluble N
			Greens/Tees	Summer	18-2-18 Ca, Mg, Fe, micros 90% CRN	Methylene Urea	- High content of MU for extended release - Quick dispersion into canopy - Complete nutrient package
			Greens/Tees	Summer	18-0-18 Ca, Mg, Fe, micros 65% CRN	Isobutylidene diurea Methylene Urea	- Dual slow-release N sources - Complete nutrient package - Quick dispersion into canopy
	Premium	Poly Plus	Greens/Tees	All Season	12-24-14 Micros 50% PCU	Polymer Coated Urea	- Excellent starter fertilizer - Slow- and quick-release N - Micronutrient package for colour
			Greens/Tees	Fall	14-0-26 Fe, Mn 100% PCU	Polymer Coated Urea	- High K for winter hardiness - All SRN for no-surge growth - Very small prill size for blended product
			Greens/Tees	All Season	18-2-18 Fe, Mn 75% PCU	Polymer Coated Urea	- Consistent release all season - Good micronutrient package - Very small prill for blended product
		Spring Valley	Greens/Tees	Spring	13-13-13 Ammonium Nitrate DDP Micros	Methylene Urea	- Fast spring green up - MU for extended feeding - DDP micros for fast colour response
	Simplex	Greens/Tees	Spring/Fall	21-0-0 S	All Quick Release	- Stimulates plant response in cool temperatures - Can be applied granular or liquid	
	Plant-based Organic	Tru-prill	Greens/Tees	All Season	7-2-5 Micros 100% CRN	Soybean Meal (PBO) Alfalfa (PBO)	- 100% natural and organic - 100% water insoluble N - Complete nutrient package
	Organic	Replenish (Earthworks)	Greens/Tees	All Season	5-4-5 Ca 60% SRN	Eggshell Poultry Compost	- Perfect for dormant feed and aeration - Stimulates microbial activity - Ca for enhanced plant strength
			Greens/Tees	All Season	10-2-5 Ca 50% SRN	Eggshell Poultry Compost Methylene Urea	- Excellent summer application - Stimulates microbial activity - Ca for enhanced plant strength
		Spring Valley	Greens/Tees	All Season	5-1-2 Fe 100% SRN	Bio-solids	- Excellent summer application - Stimulates microbial activity - High iron content for dark green colour
	Mini Fairway Grade	Homogenous	Tru-prill	Tees/Fairways	Fall	23-0-0 Ca, Mg 70% CRN	Isobutylidene diurea Plant-based Organics Ammonium Sulphate
Tees/Fairways				Summer/ Fall	22-3-17 Ca, Mg, Fe, Mn 75% CRN	Methylene Urea	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - High content of MU for extended release
Tees/Fairways				Summer/ Fall	19-2-15 Ca, Mg, Zn, Mn, Fe 50% CRN	Methylene Urea Plant-based Organics	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - Dual slow-release N source
Tees/Fairways				Summer	18-0-18 Ca, Mg, Fe, micros 65% CRN	Isobutylidene diurea Plant-based Organics	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - Dual slow-release N source
Mineral Builder		Tees/Fairways	All Season	16-2-15 Ca, Mg, Fe, Mn, Zn 25% CRN	Plant-based Organics	- SGN 150 for tees and close-cut fairways - Specifically formulated for plant health - Complete nutrient package	
		Tees/Fairways	All Season	14-2-20 Ca, Fe, Mn, Zn 25% CRN	Plant-based Organics	- SGN 150 for tees and close-cut fairways - Specifically formulated for plant health - For use on fairways with high magnesium	
Premium	Poly Plus	Tees/Fairways	All Season	14-2-20 Ca, Fe, Mn, Zn 25% CRN	Polymer Coated Urea	- Well-balanced formulation - PCU for extended feeding - Additional iron for great colour	

Category	Group	Brand or Company	Intended Use	Season	Analysis	Slow Release Source	Key Features
Fairway Grade	Premium	BrettYoung	Tees/Fairways	All Season	25-4-11 70% UMAXX, Micros	Stabilized Nitrogen	- Well-balanced formulation - 12-16 week release - DDP micros for great colour
			Tees/Fairways	All Season	25-4-11 Fe, Mn 70% Surfcoate SOP	Polymer Coated Urea	- Long release curve - Complete micronutrient package - Well-balanced formulation
			Tees/Fairways	Summer	25-4-11 70% MU	Methylene Urea	- Great summer response - 12-16 week release - Well-balanced formulation
			Tees/Fairways	All Season	25-3-10 Fe, Mn 70% PCS	Polymer Coated Sulphur Coated Urea	- 10-12 week release - Complete micronutrient package - Well-balanced formulation
			Tees/Fairways	Summer/ Fall	23-3-23 70% UMAXX, Micros	Stabilized Nitrogen	- 1:1 N:K ratio great for summer and fall - 12-16 week release - DDP micros for great colour
			Tees/Fairways	Fall	16-0-31 50% XCU	Polymer Coated Sulphur Coated Urea	- 10-12 week release - Great for fairways and rough - High potassium fall application
	Superior	BrettYoung	Tees/Fairways	All Season	47-0-0 100% Pronexx	Stabilized Nitrogen	- 12-16 week release - Can be applied granular or - Melted down and sprayed
			Fairways/Rough	All Season	32-5-10 40% PCS, MOP	Polymer Coated Sulfur Coated Urea	- 8-10 week release - Cost effective SRN - High N formulation for low rates
			Tees/Fairways	Summer/ Fall	22-2-22 Fe 65% PCSCU	Polymer Coated Sulfur Coated Urea	- Great summer and fall formulation - Iron for great colour - 12-14 week release
			Tees/Fairways	Summer/ Fall	20-2-20 Fe 50% PCSCU	Polymer Coated Sulfur Coated Urea	- Great colour from high iron content - 10-12 week release - Good summer and early fall application
			Tees/Fairways	Spring	18-24-12 50% PCSCU	Polymer Coated Sulfur Coated Urea	- Ideal starter formulation - SRN still available after germination - Balanced formulation
	Value	BrettYoung	Tees/Fairways	All Season	32-0-10 75% PCSCU	Polymer Coated Sulfur Coated Urea	- Cost effective formulation - Iron for additional colour - 12-14 week release
			Tees/Fairways	All Season	25-5-10 Fe, Mn 100% Regain	Stabilized Nitrogen	- Cost effective SRN - 8-10 week release - Excellent micronutrient package
			Tees/Fairways	Summer/ Fall	23-3-23 Fe 100% Regain	Stabilized Nitrogen	- Cost effective SRN - 8-10 week release - Excellent micronutrient package
		MESA (LebanonTurf)	Tees/Fairways	Spring/Fall	25-0-5 51% MESA	Methylene Urea	- Homogenous N source - Fast green up from ammonium sulphate - Great turf safety from ammonium sulphate



Granular Fertilizer - Eastern Canada

Category	Group	Brand or Company	Intended Use	Season	Analysis	Slow Release Source	Key Features	
Greens Grade	Homogeneous Dispersible	Tru-prill	Greens/Tees	All Season	15-2-15 Ca, Mg, Zn, Mn, Fe 70% CRN	Isobutylidene Diurea Plant-based Organics	- Balanced formula - Quick dispersion into canopy - 60% water insoluble N	
			Greens/Tees	All Season	8-16-16 Ca 50% CRN	Isobutylidene diurea Plant-based Organics	- Starter formula - Balanced formulation for starter applications - Quick dispersion into canopy - Additional Ca for stronger plants	
			Greens/Tees	All Season	18-0-18 Ca, Mg, Fe, micros 65% CRN	Isobutylidene diurea Methylene Urea	- Dual slow-release N sources - Complete nutrient package - Quick dispersion into canopy	
			Greens/Tees	Summer	18-2-18 Ca, Mg, Fe, micros 90% CRN	Methylene Urea	- High content of MU for extended release - Quick dispersion into canopy - Complete nutrient package	
			Greens/Tees	Spring/Fall	13-1-13 Ca, Mg Micros	Ammonium Sulphate	- Cool-season performance - Quick dispersion into canopy - Complete nutrient package	
	Plant-Based Organic	Natures Time	Greens/Tees	All Season	7-2-5 Micros 100% CRN	Soybean Meal (PBO) Alfalfa (PBO)	- 100% natural and organic - 100% water insoluble N - Complete nutrient package	
	Supplemental Homogeneous	Exchange	Greens/Tees	Summer	0-0-15 Ca, Mg, K	Calcium Sulphate Di-hydrate Sulphate of Potash Magnesia	- Formulated with gypsum and sul-po-mag - Promotes balanced nutrition in low CEC soils - Management tool for poor water quality	
		Granulated Gypsum plus Molasses (Plant Science)	Greens/Tees	All Season	0-0-0 Ca, S	Calcium Sulphate Di-hydrate Sulphate of Potash Magnesia	- Formulated with gypsum and molasses - Reduces sodium hazard in golf course greens - Provides soluble Ca	
		S.P.M. greens	Greens/Tees	All Season	0-0-21-11 K, S, Mg	Sulphate of Potash Magnesia	- Micro grade source of potassium and magnesium - Promotes balanced nutrition in low CEC soils - Management tool for poor water quality	
		Sulphate of Potash micro	Greens/Tees	All Season	0-0-53 K, S	Sulphate of Potash	- Micro grade source of potassium - Promotes balanced nutrition in low CEC soils - Management tool for poor water quality	
Mini Fairway Grade	Homogeneous	Tru-Prill	Tees/Fairways	All Season	19-2-15 Ca, Mg, Zn, Mn, Fe 50% CRN	Methylene Urea Plant-based Organics	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - Dual slow-release N source	
			Tees/Fairways	All Season	18-0-18 Ca, Mg, Fe, micros 65% CRN	Isobutylidene Diurea Plant-based Organics	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - Dual slow-release N source	
			Tees/Fairways	Summer/ Fall	22-3-17 Ca, Mg, Fe, Mn 75% CRN	Methylene Urea	- SGN 150 for tees and close-cut fairways - Complete nutrient package for plant health - High content of MU for extended release	
			Tees/Fairways	Fall	23-0-0 Ca, Mg 70% CRN	Isobutylidene diurea Plant-based Organics Ammonium Sulphate	- SGN 150 for tees and close-cut fairways - Safe form of late fall N - Ammonium sulphate for spring green up	
	Mineral Builder	Tees/Fairways	All Season	Tees/Fairways	All Season	16-2-15 Ca, Mg, Fe, Mn, Zn 25% CRN	Plant-based Organics	- SGN 150 for tees and close-cut fairways - Specifically formulated for plant health - Complete nutrient package
				Tees/Fairways	All Season	14-2-20 Ca, Fe, Mn, Zn 25% CRN	Plant-based Organics	- SGN 150 for tees and close-cut fairways - Specifically formulated for plant health - For use on Fairways with high magnesium

Category	Group	Brand or Company	Intended Use	Season	Analysis	Slow Release Source	Key Features
Fairway Grade	Premium	Clubgreen	Tees/Fairways	All Season	44-0-0 100% CRN	Polymer Coated Urea	- SGN 150 and 220 for tees and close-cut fairways - 16 week release curve - May/June application window
			Tees/Fairways	All Season	30-0-15 100% Surfcote	Polymer Coated Urea	- SGN 150 and 220 for tees and close-cut fairways - 16 week release curve - May/June application window - 100% SOP
			Tees/Fairways	Summer	25-4-10 70% MU	Methylene Urea	- Great summer response - 12-16 week release - Well-balanced formulation
			Tees/Fairways	Summer	16-4-20 96% CRN	Methylene Urea	- Great summer response - 12-16 week release - High K, 100% SOP
			Tees/Fairways	All Season	25-4-10 70% CRN 30% AS	Methylene Urea Ammonium Sulphate	- Ammonium sulphate for early green colour - 12-16 week release - Well-balanced formulation
			Tees/Fairways	Fall	32-3-8 60% CRN	Polymer Coated Sulphur Coated Urea Methylene Urea	- 12-16 week release - Ideal for single applications to roughs - Dual release formulation
	Superior	BrettYoung	Tees/Fairways	All Season	47-0-0 100% Pronexx	Stabilized Nitrogen	- 12-16 week release - Can be applied granular or - Melted down and sprayed
			Melt N Spray SN	Tees/Fairways	All Season	46-0-0 100% SN	Stabilized Nitrogen
		BrettYoung	Tees/Fairways	All Season	23-4-10 86% XCU 10% OM	Sulphur Coated Urea Poultry Compost	- 12-16 week release - High content of economical slow-release N - 10% Organic Matter
			Tees/Fairways	All Season	32-4-10 Fe 85% ESN	Polymer Coated Urea	- 12-16 week release - High content of economical slow-release N - Formulated with iron for deeper colour
		Clubgreen	Tees/Fairways	All Season	19-3-19 75% PCS	Polymer Coated Sulphur Coated Urea	- 12-16 week release - Balanced formulation with SOP and SPM - High content of slow-release N
			Tees/Fairways	All Season	16-32-6 50% PCS	Polymer Coated Sulphur Coated Urea	- Turf starter formulation - 6-8 week slow release - Ideal for applications under sod or in seed beds
			Tees/Fairways	All Season	25-4-12 75% PCS	Polymer Coated Sulphur Coated Urea	- 10-12 week release - 4-1-2 formulation - Ideal maintenance fertilizer for balanced soils
		Tru-cote	Tees/Fairways	All Season	24-5-10 Mg 50% PCS	Polymer Coated Sulphur Coated Urea	- 8-10 week release - Formulated with sulphate of potash magnesia - Ideal maintenance fertilizer for low Mg soils
			Tees/Fairways	All Season	30-0-12 Mg, trace elements 100% SN	Tru-cote SN Stabilized Nitrogen	- Homogeneous micronutrients - Formulated with sulphate of potash magnesia - Ideal maintenance fertilizer for low Mg soils
		Value	Clubgreen	Tees/Fairways	All Season	30-5-9 100% SN	Stabilized Nitrogen
Tees/Fairways	All Season			29-3-10 80% Pronexx	Stabilized Nitrogen	- Ideal for soils low in potassium - 12-14 week release	
BrettYoung	Tees/Fairways		All Season	15-2-22 50% XCU	Sulphur coated Polymer coated urea	- Cost effective formulation - Ideal for soils low in potassium - 8-10 week release	
	Tees/Fairways		All Season	10-18-22 50% XCU	Sulphur coated Polymer coated urea	- Cost effective formulation - Ideal for low phosphorous and potassium soils - 8-10 week release	
Clubgreen	Tees/Fairways		All Season	32-0-8 30% PCS	Polymer Coated Sulphur Coated Urea	- Cost effective formulation with no phosphorous - Ideal for bluegrass fairways and roughs - 8-10 week release	
	Tees/Fairways		All Season	32-5-10 40% PCS	Polymer Coated Sulphur Coated Urea	- Cost effective formulation - Ideal for bluegrass fairways and roughs - 8-10 week release	

Professional Turf Fertilizer



Redox Turf

The mission of Redox is to deliver outstanding turf results based on agronomic science and balanced nutrition. They don't settle for solutions based on the past, believing consistent, measurable results are found with new and forward thinking.

And they believe solving a problem starts with understanding it thoroughly.

For these reasons and more, Redox has established itself as a strong and trusted partner to superintendents worldwide.

Redox products are the result of in-depth research and scientific leadership. Patented products and processes have helped them achieve consistent results through practical application and analysis of a wide variety of conditions.

The focus of Redox addresses growth requirements through four distinct areas: nutrition availability, complexing and chelation, nutrition technology, and surfactant technology. With this as the foundation for all they create, superintendents are discovering healthier greens, tees, fairways, and roughs.

For more information, visit www.redoxturf.com.

Plant Food Company

Plant Food Company, Inc. is a third-generation, family-owned, liquid fertilizer manufacturer based in New Jersey, USA. Located halfway between the cities of Philadelphia and New York, Plant Food Company works directly with golf course superintendents, lawn care professionals, sports turf managers and arborists throughout the northeast United States focusing on the plant nutritional needs for turf and ornamentals. Outside the northeast United States, Plant Food works with a group of dedicated turf companies that distribute the Plant Food liquid products throughout North America as well as internationally.

In Canada, Plant Food Company has enjoyed a 10-year relationship with BrettYoung. The Plant Food liquid products are now used by many turf professionals throughout the Canadian provinces.

Plant Food Company's liquid fertilizers are created for you and, in most cases, inspired by you. The process they use to develop, formulate and manufacture their complex and exclusive solutions begins with listening to their customers individually, and to the industry as a whole. The information learned from these conversations provides them the relevant direction required to produce their premium products.

For more information, visit www.plantfoodco.com.



Liquid Fertilizer

Company	Group	Product	Intended Use	Season	Analysis	Key Features
Plant Food Company	Liquid Fertilizer	Adam's Earth	Greens/Tees/Fairways	All Season	0-0-1	- Increases plant vigour and chlorophyll production - Chelates nutrients tied up in soils - Will improve turf health in all conditions
		Impulse	Greens/Tees/Fairways	All Season	6-0-0	- Reduces wilt and plant stress during summer - Increases calcium and potassium uptake - Reduces frost damage in fall
		Omega	Greens/Tees/Fairways	All Season	0-1-0	- Improved turf health, especially under summer stress - Aids in reducing abiotic stress in plants - Enhances overall turf programs
		Potassium 0-0-27	Greens/Tees/Fairways	All Season	0-0-27	- Great supplemental nutrition product - Excellent source of available K - Great turf safety
		Potassium 0-0-25	Greens/Tees/Fairways	Summer/Fall	0-0-25 Potassium Thiosulphate	- Excellent secondary source of S - Highly available form of K - Economical K application
		Healthy Start	Greens/Tees/Fairways	Spring	8-27-5	- #1 selling Plant Food product - Excellent N source for complete fertility programs - All quick release N, great for weekly programs
		Green-T 12-3-12	Greens/Tees/Fairways	Summer/Fall	12-3-12 50% SRN from Triazone Micros	- Balanced formulation for excellent plant health - Slow-release N, great for 2-week programs - Micronutrients to aid in colour response
		Super Mk Green	Greens/Tees/Fairways	All Season	18-3-4 All Quick-Release N Micros	- #1 selling Plant Food product - Excellent N source for complete fertility programs - All quick release N, great for weekly programs
		Green-T 18-3-6	Greens/Tees/Fairways	All Season	18-3-6 50% SRN from Triazone Micros	- High N formulation for good value - Slow-release N, great for 2-week programs - Micronutrients to aid in colour response
		19-3-5 + Iron	Greens/Tees/Fairways	All Season	19-3-5 50% SRN from MSN Fe	- High N formulation for good value - Slow-release N, great for 2-week programs - Iron to aid in colour and plant health
		30-0-0 Stabilized N	Greens/Tees/Fairways	All Season	30-0-0 85% SRN from MSN	- Dual slow-release N source - High N formulation for good value - Used in conjunction with 18-3-4 to extend N release

Company	Group	Product	Intended Use	Season	Analysis	Key Features
Plant Food Company	Micronutrients	12 Iron	Greens/Tees/Fairways	All Season	12-0-0 6% Fe, 2% Mn, 0.25% Mg	- Excellent micronutrient package - Glucoheptonate chelate for quick response - Green up within hours
		GT-Six% Fe	Greens/Tees/Fairways	All Season	12-0-0 6% Fe, 0.05% Mn	- Acidic chelate for great longevity - Great colour in 30-day fairway programs - Excellent product for high pH, high bicarbonate
		Green-T Manganese	Greens/Tees/Fairways	All Season	1-0-0 5% Mn	- Glucoheptonate chelate for quick response - Aids in adjusting manganese deficiencies
		pHusion Manganese	Greens/Tees/Fairways	All Season	1-0-0 7% Mn	- Acidic chelate for great longevity - Excellent product for high pH, high bicarbonate
		Green-T Micro Mix	Greens/Tees/Fairways	All Season	1-0-0 4% Mg, 2.5% Fe, 0.1% Mn, 0.1% Zn, 0.04% B	- Complete micronutrient package - Glucoheptonate chelate for quick response - Great colour in all spray programs
		Green-T Sugar Cal	Greens/Tees/Fairways	All Season	10% Ca	- Highly available, chelated Ca source - Mannitol chelate increases nutrient availability - Creates a more rigid, upright leaf blade
	Secondary Nutrients	Green-T Magnesium	Greens/Tees/Fairways	All Season	1-0-0 4% Mg	- Mg product to aid in colour response - Glucoheptonate chelate for quick response - Individual nutrient for great tank-mix control
		Ammonium Thiosulfate	Greens/Tees/Fairways	Spring/Fall	12-0-0 26% S	- Powerful acidifier, stronger than ammonium sulphate - Great cool-season turf response



Liquid Fertilizer

Company	Group	Product	Intended Use	Season	Analysis	Key Features
RedoxTurf	Complete Nutrition	TurfRx Fairway Flowable	Tees/Fairways	All Season	0-5-12 0.4% Fe, 0.5% Mn, 0.5% Zn, 0.1% B, 0.1% Cu	- Comprehensive, complete fairway product - Carbon-based product will help free N from soil - Reacted nutrients means very low rates
		TurfRx Greens Flowable	Greens	All Season	1-5-5 0.8% Fe, 0.5% Mn, 0.6% Zn, 0.2% B, 0.2% Cu	- Comprehensive, complete greens product - Facilitates nitrogen metabolism for low N rates - Creates very strong plants to handle stress
		TurfRx Supreme Flowable	Greens/Tees/Fairways	Summer	1-5-4 0.3% Fe, 0.6% Mn, 0.6% Zn, 0.14% B, 0.3% Cu	- Comprehensive, complete greens product - Facilitates nitrogen metabolism for low N rates - Creates very strong plants to handle stress
	Primary Nutrients	TurfRx K+ Flowable	Greens/Tees/Fairways	Summer/Fall	0-9-17	- High efficiency K and P source - Reduces oxidative stress in the plant - Ideal for summer and fall plant stress
		TurfRx P+ Flowable	Greens/Tees/Fairways	All Season	2-5-12	- Highly available, reacted phosphorus product - Applied at very low rates with high uptake - Can be applied with TurfRx Ca in the same tank
		TurfRX NatureCur	Greens/Tees/ Fairways	All Seasons	0-2-3	- Key product for root development - Enhances summer performance of Redox programs - Reduces plant stress through nutrition
		TurfRX OxyCal	Greens/Tees/ Fairways	All Seasons	0-4-20 Ca, S	- Highly available potassium, oxygen, and calcium nutrition - Flexible benefits from either foliar or soil applications - Beneficial for a broad range of stress issues
	Secondary Nutrients	TurfRx Ca	Greens/Tees/Fairways	All Season	20% Ca, S	- Highly available, reacted calcium product - Applied at very low rates with high uptake - Can be applied with TurfRx P+ in the same tank
		TurfRx CaSi	Greens/Tees/Fairways	Summer	10% Ca 22% SiO ₂	- Highly available, reacted calcium product - Applied at very low rates with high uptake - Si improves ball roll with stiffer leaf blade
		TurfRx Penecal	Greens/Tees/Fairways	All Season	10% Ca	- Flagship product, combination of Ca and penetrant - Increases uniformity of moisture in rootzone - Aids in nutrient uptake

Company	Group	Product	Intended Use	Season	Analysis	Key Features
NutriCore Foliar	Complete Nutrition	Turf Balance	Greens/Tees	All Season	16-4-5 Micros	- Balanced foliar nutrition for turf programs - Provides rapid green up without surges in growth - Compatible with primo and fungicide applications
		Enfoss	Greens/Tees/Fairways	All Season	3-23-33 Micros	- Complete formulation to enhance plant health - Soluble form of nutrition for great value - Quick plant response, ideal for summer applications
	Secondary and Micronutrients	CalFORCE	Greens/Tees	Summer	5% Ca, 2.5% Mg Bo, Si	- Reacted chelation using natural plant sources - Addresses common nutrient deficiencies in sand - Increases plant health through balanced nutrition
		K Force	Greens/Tees	Spring/Fall	8% K, 4% Mg Bo, Si	- Reacted chelation using natural plant sources - Foliar strategy for K and Mg deficiencies - Effective in cooler soils
	Secondary Nutrients	Metaphos	Greens/Tees	All Season	0-29-5(4) Mg	- Excellent source of foliar K, Mg, and P - Reduces pH of tank water - Compatible with wide range of fertilizers and fungicides
		Base K	Greens/Tees	All Season	0-0-24	- Reacted chelation using natural plant sources - Foliar strategy for K deficiencies - Tank mix with CalFORCE for Rutgers protocol

Professional Turf Fertilizer

Control Products

Our full product lineup of both new and existing turf fungicides, along with various other products, ensures the right product for the right situation. Because we partner with like-minded companies, we have access to many products throughout the industry and we have become the trusted source for broad-spectrum fungicides, featuring unique modes of activity. Along with our outstanding menu of fungicides, we offer solutions for insects and weed control.





Bayer

Bayer is a leader in the turf, vegetation management, professional pest management, and greenhouse industries with expertise and a presence around the globe. Here in Canada, Bayer is dedicated to the research, development, and marketing of over 40 plant-production products that span several unique markets. Innovative products such as Trilogy Stressgard™ and Interface Stressgard™ provide proven disease solutions with added value for turf managers. Whether you are looking for the latest in disease control or insect control, Bayer has a solution for you.

Bayer is committed to living and conducting business in a way that meets the needs of the present without compromising needs of the future, developing products and services to benefit people and improve their quality of life. Their efforts are aligned with the sustainable development commitments of Bayer CropScience and Bayer AG.

Through their Green Solutions Specialist and experienced team of knowledgeable sales managers, Bayer is able to provide customers more than plant protection. What you're investing in is an added measure of confidence. It's the assurance that comes from value-added programs, technical services, and an ongoing commitment to the industry.

Celebrating 150 years, Bayer continues to focus on their vision— "Science for a Better Life."

Product Features:



Trilogy Stressgard™ is exclusively designed for Canadian golf superintendents. Trilogy Stressgard turf fungicide with Stressgard™ Formulation Technology delivers multiple active ingredients and modes of action for broad-spectrum disease control. It provides triple protection against snow mould, dollar spot and basal rot anthracnose, while at the same time reducing the total amount of active ingredients applied as compared to some competitive products.



Interface Stressgard™ provides flexible, effective disease control under all conditions and mitigates plant stress. The combination of iprodione, trifloxystrobin and Stressgard™ Formulation Technology provides a solution for diseases and plant stresses under hot, cool, wet or dry conditions. As a non-DMI fungicide, Interface can be applied throughout the year without harmful plant growth regulator effects, and also help control DMI-resistant plant pathogens. Interface delivers effective control of key diseases, provides plant health benefits and improves turf colour and quality.

For more information, visit www.bayeres.ca or call 1-888-283-6847.

Nufarm Agriculture Inc.

Nufarm Agriculture Inc. has become a partner with BrettYoung for distribution of their strong lineup of turf solutions to Western Canada and Ontario. Golf course superintendents and turf growers from Ontario to British Columbia can now depend on Nufarm solutions to help maintain top quality turf.

With Canadian operations in Calgary, Alberta, and Guelph, Ontario, Nufarm offers a line of proprietary turf products to control weeds, diseases and insects. And Nufarm is focused on bringing new chemistries to the Canadian turf market.

Velocity® SP herbicide is the only post-emergent herbicide that selectively reduces annual bluegrass populations.

Tourney® fungicide offers exceptional broad-spectrum control in one of the most active, low-use-rate fungicides on the turf market.

Arena® 50 WDG insecticide has the most registered pests on the label, and delivers excellent curative grub control that keeps foraging animals away, with no need to water in immediately.

Trillion® herbicide delivers the hard-hitting answer to tough turf weeds including dandelion, chickweed, plantain and clover.

For more information, call 1.800.868.5444 or visit Nufarm.ca.

Quali-Pro®

Quali-Pro provides insecticide, fungicide and other chemical solutions to the horticulture and golf course industries. Affiliated with ADAMA, the world's largest off-patent plant chemical manufacturer, Quali-Pro brings choice and simplicity to the Canadian turfgrass world.

With BrettYoung's acquisition of Master's Turf Supply in Ontario, Quali-Pro recognized a great opportunity to partner with an organization that provides the best reach for its products across Canada. The companies joined forces and BrettYoung is now a Canadian distributor for Quali-Pro's products, serving customers from British Columbia to the western border of Quebec.

Quali-Pro currently has seven products to service the market, including fungicides, insecticides, growth regulators and marker products. Additional chemistry is in the pipeline and due for commercialization in the near future. Quali-Pro takes pride in its distribution partners—people who know the turf market inside out and maintain long-term relationships with golf course superintendents across the country.

BrettYoung's role as a leader in the grass seed industry, plus its agronomic expertise in inputs designed for turf, makes Quali-Pro and its product line a natural fit. The partnership brings choice and alternatives to the Canadian turf business, focused on an enhanced level of service and access to innovative products. That can only add value to our Canadian customers' operations.

For more information, visit www.quali-pro.ca.



BRINGING CHOICE AND SIMPLICITY TO THE CANADIAN TURFGRASS WORLD.

Insecticides

Manufacturer	Product	Active Ingredient	Package Size	Key Features	Core Pests (rate per 100 m ²)									
					European Chafer Grub	Japanese Beetle Grub	Black Turfgrass Ataenius	Leatherjackets	Cutworm	Cinch Bug	Ants	Sod Webworm	Annual Bluegrass Weevil	
Bayer	Deltaguard SC	Deltamethrin	1 L	- Fast-acting, contact insecticide - Lower rates than previous pyrethroid - Broad spectrum of pests covered	-	-	-	-	12 ml	12 ml	12 ml	12 ml	-	
	Merit Granular	Imidacloprid	13.6 kg	- The standard for grub control - Wide range of turf species labelled - Easy-to-use granular formulation	560 gm	560 gm	560 gm	560 gm	-	-	-	-	-	
	Merit Solupack	Imidacloprid	4x45 gm WSP	- The standard for grub control - Wide range of turf species labelled - Water-soluble packets for easy spray application	3.75 gm	3.75 gm	3.75 gm	3.75 gm	-	-	-	-	-	
	Sevin T&O	Carbaryl	10 L	- Outstanding curative control - Short soil residual - Not temperature affected	210-290 ml	210-290 ml	-	200 ml	210-290 ml	210-290 ml	210-290 ml	210-290 ml	210-290 ml	-
Nufarm	Arena 50 WDG	Clothianidin	1.13 kg WDG	- Superior, long-lasting control - Preventative and curative grub control - Season-long control in one application	2.5-5 gm	2.5-5 gm	-	5.5 gm	-	3.5-5 gm	-	-	5.5-7 gm	



Fungicides

Manufacturer	Product	Active Ingredient	Package Size	Key Features	Core Diseases (rate per 100 m ²)												
					Foliar Anthracnose	Basal Rot Anthracnose	Brown Patch	Dollar Spot	Fusarium Patch	Leaf Spot	Pythium Blight	Pythium Root Rot	Summer Patch	Take-All Patch	Pink Snow Mould	Grey Snow Mould	
Bayer	Banol	Propamocarb	3.78 L	- Preventative and curative pythium control - Low resistance potential - Excellent rotation partner with Signature	-	-	-	-	-	-	64 ml	-	-	-	-	-	
	Compass	Trifloxystrobin	454 gm WDG	- Excellent systemic control - Low rates for excellent value - Recharging ability as plant grows	3.8 gm	4.6 gm	4.6-6.1 gm	-	3.8 gm	3.1-6.1 gm	-	-	-	-	-	-	
	Exteris Stressgard	Fluopyram Trifloxystrobin	10 L	- New SDHI, chemistry with two modes of action - Outstanding 21- and 28-day Dollar Spot control - Preventative and curative control	-	-	140-200 ml	140-200 ml	-	140-200 ml	-	-	-	-	-	-	
	Interface Stressgard	Iprodione Trifloxystrobin	10 L	- Two modes of action for great control - Plant health benefits of Stressgard - Non-DMI for great turf safety all year	95-160 ml	95-160 ml	95-160 ml	95-160 ml	128-160 ml	-	-	-	-	-	-	128-160 ml	95-160 ml
	Signature Stressgard	Fosetyl-AI	2.26 kg WDG	- Highly systemic activity - Plant health benefits of Stressgard - Proven to improve turf health	120 gm	120 gm	-	-	-	-	200 gm	200 gm	-	-	-	-	-
	Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	10 L	- Three modes of action for industry-leading control - Plant health benefits of Stressgard - Low AI for environmental stewardship	-	65 ml	65 ml	65 ml	100-177 ml	-	-	-	-	-	-	100-177 ml	100-177 ml
	Triton Stressgard	Triticonazole	2 L	- Highly systemic activity - Plant health benefits of Stressgard - Proven to improve turf health	16-32 ml	16-32 ml	32 ml	16 ml	32 ml	-	-	-	32 ml	-	-	32 ml	32 ml
BASF	Insignia	Pyraclostrobin	1.09 kg WDG	- Excellent systemic control - Broad-spectrum control - Excellent patch disease performance	15-28 gm	15-28 gm	14-25 gm	15-28 gm	25 gm	15.4 gm	22.5 gm	28 gm	-	28 gm	25 gm	8.5-17 gm	
Nufarm	Tourney	Metconazole	2.27 kg WDG	- Broad-spectrum DMI control - Low use rates - Rainfast within two hours	8.4 gm	8.4 gm	8.4-11.2 gm	8.4-11.2 gm	-	-	-	-	11.2 gm	-	11.2 gm	11.2 gm	
	Pinpoint	Mandestrobin	1.77 L	- Outstanding dollar spot control - New chemistry for 2017 - Outstanding take-all patch control	-	-	9.86 ml	5.4-9.86 ml	-	-	-	-	-	9.86 ml	-	-	
Quali-Pro	Chlorothalonil 720F	Chlorothalonil	7 L	- Contact mode of action for quick results - Multi-site activity for low resistance - Excellent tank-mix partner	118-132 ml	118-132 ml	66-132 ml	33-132 ml	-	66-132 ml	-	-	-	-	167-347 ml	167-347 ml	
	Propiconazole 14.3 ME	Propiconazole	5 L	- Locally systemic for long-lasting control - Broad-spectrum DMI control - Excellent tank-mix partner	26-51 ml	26-51 ml	51-103 ml	26-51 ml	51-103 ml	51-103 ml	-	-	103 ml	-	206 ml	206 ml	

Control Products

Diseases

Disease	Manufacturer	Product	Active Ingredient	Rate per 100 m ²	Application Interval
Basal Rot Anthracnose	Bayer	Compass	Trifloxystrobin	4.6 gm	14–21 days
		Interface Stressgard	Iprodione Trifloxystrobin	95–160 ml	14–21 days
		Signature Stressgard	Fosetyl-Al	120 g	14 days
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	65 ml	14 days
		Triton Stressgard	Triticonazole	16–32 ml	14–21 days
	BASF	Insignia	Pyraclostrobin	15–28 gm	14–28 days
	Nufarm	Tourney	Metconazole	8.4 gm	14 days
Quali-Pro	Chlorothalonil 720F	Chlorothalonil	118–132 ml	7–10 days	
	Propiconazole 14.3 ME	Propiconazole	26–51 ml	21 days	
Foliar Anthracnose	Bayer	Compass	Trifloxystrobin	3.8 gm	14 days
		Interface Stressgard	Iprodione Trifloxystrobin	95–160 ml	14–21 days
		Signature Stressgard	Fosetyl-Al	120 g	14 days
		Triton Stressgard	Triticonazole	16–32 ml	14–21 days
	BASF	Insignia	Pyraclostrobin	15–28 gm	14–28 days
	Nufarm	Tourney	Metconazole	8.4 gm	14 days
	Quali-Pro	Chlorothalonil 720F	Chlorothalonil	118–132 ml	7–10 days
Brown Patch	Bayer	Compass	Trifloxystrobin	4.6–6.1 gm	14–21 days
		Exeris Stressgard	Fluopyram Trifloxystrobin	140–200 ml	14–21 days
		Interface Stressgard	Iprodione Trifloxystrobin	95–160 ml	14–28 days
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	65 ml	14–21 days
		Triton Stressgard	Triticonazole	32 ml	14–21 days
	BASF	Insignia	Pyraclostrobin	14–25 gm	14–21 days
	Nufarm	Tourney	Metconazole	8.4–11.2 gm	14 days
	Quali-Pro	Pinpoint	Mandestrobin	9.86 ml	14 days
		Chlorothalonil 720F	Chlorothalonil	66–132 ml	7–10 days
	Propiconazole 14.3 ME	Propiconazole	51–103 ml	14 days	
Dollar Spot	Bayer	Exeris Stressgard	Fluopyram Trifloxystrobin	140–200 ml	14–21 days
		Interface Stressgard	Iprodione Trifloxystrobin	95–160 ml	14–28 days
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	65 ml	21 days
		Triton Stressgard	Triticonazole	16 ml	14–21 days
	BASF	Insignia	Pyraclostrobin	15–28 gm	14–28 days
	Nufarm	Tourney	Metconazole	8.4–11.2 gm	10–21 days
	Quali-Pro	Pinpoint	Mandestrobin	5.4–9.86 ml	14–28 days
		Chlorothalonil 720F	Chlorothalonil	33–243 ml	7–14 days
	Propiconazole 14.3 ME	Propiconazole	26–51 ml	21–28 days	

Disease	Manufacturer	Product	Active Ingredient	Rate per 100 m ²	Application Interval
Microdochium Patch (Fusarium)	Bayer	Compass	Trifloxystrobin	3.8 gm	14 days
		Interface Stressgard	Iprodione Trifloxystrobin	128–160 ml	14–28 days
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	100–177 ml	21–28 days
	BASF	Insignia	Pyraclostrobin	15 gm	single
	Quali-Pro	Propiconazole 14.3 ME	Propiconazole	51–103 ml	30 days
Leaf Spot	Bayer	Compass	Trifloxystrobin	3.1–6.1 gm	14–21 days
		Exeris Stressgard	Fluopyram p.Trifloxystrobin	140–200 ml	14–21 days
	BASF	Insignia	Pyraclostrobin	15 gm	14 days
	Quali-Pro	Chlorothalonil 720F	Chlorothalonil	33–243 ml	7–14 days
Propiconazole 14.3 ME		Propiconazole	26–51 ml	21–28 days	
Pythium Blight	Bayer	Banol	Propamocarb	64 ml	7–21 days
		Signature Stressgard	Fosetyl-Al	200 gm	single
Pythium Root Rot	BASF	Insignia	Pyraclostrobin	22.5 gm	14 days
		Signature Stressgard	Fosetyl-Al	200 gm	single
Summer Patch	Bayer	Triton Stressgard	Triticonazole	32 ml	30 days
	Nufarm	Tourney	Metconazole	11.2 gm	14–21 days
	Quali-Pro	Propiconazole 14.3 ME	Propiconazole	103 ml	30 days
Grey Snow Mould	Bayer	Interface Stressgard	Iprodione Trifloxystrobin	95–160 ml	single
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	100–177 ml	single
		Triton Stressgard	Triticonazole	32 ml	single
	BASF	Insignia	Pyraclostrobin	8.5–17 gm	single
	Nufarm	Tourney	Metconazole	11.2 gm	single
		Quali-Pro	Chlorothalonil 720F	Chlorothalonil	167–347 ml
Pink Snow Mould	Bayer	Interface Stressgard	Iprodione Trifloxystrobin	128–160 ml	single
		Trilogy Stressgard	Iprodione Trifloxystrobin Triticonazole	100–177 ml	single
		Triton Stressgard	Triticonazole	32 ml	single
	BASF	Insignia	Pyraclostrobin	25 gm	single
	Nufarm	Tourney	Metconazole	11.2 gm	single
		Quali-Pro	Chlorothalonil 720F	Chlorothalonil	167–347 ml
	Propiconazole 14.3 ME	Propiconazole	206 ml	single	
Take-All Patch	BASF	Insignia	Pyraclostrobin	28 gm	28 days
	Nufarm	Pinpoint	Mandestrobin	9.86 ml	14 days

Seed

We provide our customers with the most diverse selection of turf genetics available anywhere, while our inventory of native and reclamation seed is unrivalled in Canada.

Turf Seed

We sell and distribute seed technology around the world but we know where our roots are—right here in Canada. We have the ability to create specific geographic turf blends suited for sod growers, golf courses, sportsfields, and contractors, with the widest range of turf seed products available anywhere in Canada.

We have access to top-performing Kentucky bluegrass, perennial ryegrass and fine fescue genetics, bred at the finest institutions and private plant-breeding programs from across the globe so that we can provide our customers with the best.

Native and Reclamation Seed

Our native seed experts know this business and work in it every day. Native species are the key to effectively reclaiming areas damaged during construction of roads, golf courses, parks, mining and energy projects.

We have the quality control to ensure that our products are the best. We own Canada's largest privately held seed laboratory where our lab technicians are specifically trained and certified to work with our native species product lineup. This is our quality assurance to everyone we work with.





BrettYoung Seeds Inc.

BrettYoung is Canada's largest contractor and primary processor of forage and turf seed. Our goal is to build long-lasting partnerships with our seed producers and use our market knowledge and global contacts, built over 80+ years, to bring world-class genetics to Canada and around the globe. This longstanding commitment to marketing top-performing varieties has allowed us to foster international relationships and export seeds to 40+ countries around the world.

BrettYoung's turf program consists of a full line of cool-season turfgrass varieties accessed from leading breeding partners around the globe, including proprietary lines of Kentucky bluegrass, perennial ryegrass, tall fescue and creeping red fescue. With an eye on innovation and varietal improvement, only the latest in turfgrass technology is advanced through private and public breeding programs to achieve improvements in turf characteristics and performance. Our portfolio is designed to offer the utmost in quality, disease and insect resistance, wear and drought tolerance, and unique growth habits that will deliver a distinct performance advantage. Our goal is to ensure that, in the end, our seeds will give you the best chance for success.

For more information visit, www.brettyoung.ca.

Turf Merchants, Inc.

For over three decades, TMI has been developing, producing and marketing turfgrass seeds for North America and more than 20 countries around the world. Their varieties have topped the National Trials many times with elite Kentucky bluegrass, turf-type tall fescue, fine fescues, and fine-textured turf-type perennial ryegrass leading the way. Through their partnership with distributors such as BrettYoung, TMI have developed a seed distribution system that is one of the most efficient in operation today. Golf courses, sod growers and landscapers the world over have found TMI's cool-season grasses, warm-season grasses, and specialty grasses to be state of the art when it comes to colour, texture, disease resistance and overall performance. Impressive collections of germplasm are continually advanced at prestigious public and private breeding programs through open pollination and without the use of biotechnology to ensure that the latest turfgrass technology is incorporated into each and every new variety. Wear tolerance, disease resistance, drought tolerance and reduced maintenance are all key drivers of TMI's research and development program.

TMI's extensive network of carefully chosen seed growers produces seeds of the highest quality in the world, with high germination rates and purities that exceed official standards.

For more information, visit www.turfmerchants.com.

Tee-2-Green

Tee-2-Green continues to set the standards for quality and purity with groundbreaking bentgrass seed varieties bred to improve playability, resist diseases and tolerate extreme conditions. Tee-2-Green enjoys a long-standing partnership with BrettYoung, a progressive company that echoes Tee-2-Green's dedication to marketing solution-driven premium bentgrass.

Tee-2-Green bentgrasses far exceed the standards for certified seed. Their seed is free of *Poa annua*, *Poa trivialis* and all other noxious and unacceptable crop and weed seeds. For over 60 years, Tee-2-Green, the only grower-owned bentgrass company, has led the field in the global marketplace with game-changing bentgrass varieties developed by Penn State University like Penncross, the As & Gs, and Seaside II.

Tee-2-Green has recently introduced a new generation of high-performance varieties bred for fast establishment and recovery as in Crystal BlueLinks, Pure Distinction and Pure Select from Pure-Seed Testing. Not unlike the Penn State varieties, these newest Tee-2-Green varieties feature traits that give superintendents the latitude to take their greens, tees and fairways to an even higher level of perfection than ever before.

"Bentgrass. It's all we do."

For more information, visit www.tee-2-green.com.



Turf Grasses

Species	Type	Variety	Company	Variety Key Features	Spring Green Up	Seeding Rate per 1,000 Sq Ft	Environmental Tolerances						Disease Resistance		
							HOC	Wear	Shade	Winter	Drought	Salt	Dollar Spot	Take-All Patch	
Bentgrass	Super Fine	Pure Distinction	Tee-2-Green	- Extremely dense, upright growth - Bright green colour - Take-all Patch and Dollar Spot resistance - Designed to produce fast putting surfaces	Excellent	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Excellent	Excellent
	Upright	Penn A-1 / A-4 Blend	Tee-2-Green	- BrettYoung's #1 selling bent - Fine leaf texture for great putting surfaces - Good spring green up, medium-dark colour	Good	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Good	Good
		Penn A-4	Tee-2-Green	- Fine leaf texture for great putting surfaces - Most popular bent in northern climates for last 15 years - Medium-dark green colour	Good	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Good	Good
		T-1	Jacklin Seed	- Fine leaf texture for great putting surfaces - Dark green colour - Great for overseeding	Good	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Good	Good
		Declaration	Lebanon Turf	- Fine leaf texture - Excellent Dollar Spot resistance - Highly ranked turf quality	Good	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Excellent	Good
		V8	Jacklin Seed	- Extremely dense, upright growth - Designed to produce fast putting surfaces - Next generation bentgrass	Good	1-2 lbs		Excellent	Good	Good	Excellent	Good	Moderate	Good	Good
	Semi-Erect	PureFormance	Tee-2-Green	- Top three-way blend for fairways - Tops in fairway trial turf quality - Great Dollar Spot resistance	Excellent	1-2 lbs		Moderate	Good	Excellent	Excellent	Good	Moderate	Excellent	Excellent
Prostrate	Penncross	Tee-2-Green	- Industry standard since 1955 - Aggressive lateral growth - Great ballmark recovery	Moderate	1-2 lbs		Moderate	Excellent	Good	Excellent	Moderate	Moderate	Good	Good	



Turf Grasses

Species	Type	Variety	Company	Variety Key Features	Spring Green Up	Seeding Rate per 1,000 Sq Ft	Environmental Tolerances						Disease Resistance		
							HOC	Wear	Shade	Winter	Drought	Salt	Dollar Spot	Take-All Patch	
Fescue	Chewings	Enchantment	Pure Seed	- Excellent turf quality - Great drought tolerance - Great in blends with KBG, PRG	Good	3-4 lbs		Excellent	Moderate	Excellent	Excellent	Excellent	Good	N/A	N/A
		Shadow II	Columbia	- Excellent turf quality - Great drought tolerance - Great in blends with KBG, PRG	Good	3-4 lbs		Excellent	Moderate	Excellent	Excellent	Excellent	Good	N/A	N/A
	Creeping (Red)	Aberdeen	BrettYoung	- Improved turf quality CRF - Excellent drought tolerance - Great in blends with KBG, PRG	Good	3-4 lbs		Excellent	Moderate	Excellent	Excellent	Excellent	Good	N/A	N/A
		Boreal		- Industry standard CRF - Good drought tolerance - Economical	Moderate	3-4 lbs		Good	Moderate	Good	Excellent	Excellent	Moderate	N/A	N/A
		Common		- Economical CRF - Good in blends - Better in reclamation, non-turf uses	Moderate	3-4 lbs		Moderate	Moderate	Good	Good	Good	Moderate	N/A	N/A
	Creeping (Slender)	Seabreeze GT	Pure Seed	- Excellent salt tolerance - Distinct bright green colour - Very good turf quality	Excellent	3-4 lbs		Excellent	Moderate	Excellent	Excellent	Excellent	Excellent	N/A	N/A
	Turf Type Tall	Deputy	BrettYoung	- Very good drought tolerance - Great for unirrigated sportsfields - Excellent turf quality	Good	4 lbs		Moderate	Moderate	Excellent	Moderate	Excellent	Good	N/A	N/A
		Gazelle II (SLT)	Pure Seed	- Very good drought tolerance - Excellent salt tolerance - Great choice for unirrigated sportsfields	Good	4 lbs		Moderate	Moderate	Excellent	Moderate	Excellent	Excellent	N/A	N/A
	Hard	Bighorn GT	Pure Seed	- Glyphosate tolerant variety - Great for weed-free, out-of-play areas - Excellent contrast with turf species	Moderate	1-2 lbs		Moderate	Moderate	Excellent	Excellent	Excellent	Excellent	N/A	N/A
		Soil Guard	Pure Seed	- Glyphosate tolerant variety - Great for weed-free, out-of-play areas - Excellent contrast with turf species	Moderate	1-2 lbs		Moderate	Moderate	Excellent	Excellent	Excellent	Excellent	N/A	N/A



Turf Grasses

Species	Type	Variety	Company	Variety Key Features	Spring Green Up	Seeding Rate per 1,000 Sq Ft	Environmental Tolerances						Disease Resistance	
							HOC	Wear	Shade	Winter	Drought	Salt	Dollar Spot	Take-All Patch
Kentucky Bluegrass	America	Bedazzled	TMI	- Top turf quality ratings - Dark genetic colour - Spring green up - Good for golf, sod and sportsfields	Excellent	3-4 lbs	Excellent	Good	Moderate	Excellent	Excellent	Moderate	N/A	N/A
		Jumpstart	Pure Seed	- Quick germination - Top choice for sportsfields/grow-ins - Excellent spring green up	Excellent	3-4 lbs	Excellent	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
	Compact	Bewitched	TMI	- Top wear tolerance - Excellent all-around turf ratings - Top choice for sportsfields	Good	3-4 lbs	Excellent	Excellent	Moderate	Excellent	Good	Moderate	N/A	N/A
		Blueberry	TMI	- Extremely dark green colour - Midnight colour, with faster spring green up	Good	3-4 lbs	Excellent	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
		Moonlight SLT	Pure Seed	- Excellent salt tolerance - Dark green colour - Great turf quality	Good	3-4 lbs	Good	Good	Moderate	Excellent	Moderate	Excellent	N/A	N/A
	Midnight	Award	Jacklin Seed	- Top turf quality rankings - Great all-around KBG - Top of NTEP's for 10+ years	Moderate	3-4 lbs	Excellent	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
		Midnight	TMI	- The standard for improved KBGs - Very dark genetic colour - Top of NTEP's for 20+ years	Moderate	3-4 lbs	Excellent	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
		Nudestiny	Jacklin Seed	- Top turf quality rankings - Great all-around KBG - Very dense KBG, fine leaf texture	Moderate	3-4 lbs	Excellent	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
		Right	Pure Seed	- Very good shade tolerance for KBG - Excellent turf quality - Very dark genetic colour	Moderate	3-4 lbs	Excellent	Good	Good	Excellent	Moderate	Moderate	N/A	N/A
	Shamrock	Babe	Seed Inc.	- Good spring green up - Cost effective, great for blends - Excellent turf quality	Good	3-4 lbs	Good	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A
Brooklawn		TMI	- Good spring green up - Cost effective, great for blends - Good turf quality	Good	3-4 lbs	Good	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A	
BVMG	Blue Chip Plus	Jacklin Seed	- Good turf quality - Cost effective, great for blends - Fast establishment	Good	3-4 lbs	Good	Good	Moderate	Excellent	Moderate	Moderate	N/A	N/A	
Perennial Ryegrass	4-Way Blend	Coastal 4-Way	BrettYoung	- Excellent turf quality - Lighter colour to match up to <i>Poa annua</i> - Great genetic diversity for disease resistance	Good	8-10 lbs	Excellent	Good	Moderate	Moderate	Moderate	Moderate	N/A	N/A
	3-Way Blend	Triumphant	BrettYoung	- Excellent turf quality - Dark green colour, top of NTEP varieties - Canadian production for <i>Poa</i> -free seed	Good	8-10 lbs	Excellent	Good	Moderate	Moderate	Moderate	Moderate	N/A	N/A
	Improved	Dominator	BrettYoung	- Very dark genetic colour - Excellent turf quality - Canadian production for <i>Poa</i> -free seed	Excellent	8-10 lbs	Excellent	Moderate	Moderate	Moderate	Moderate	Moderate	N/A	N/A
		Silver Dollar	Pure Seed	- Very dark genetic colour - Excellent turf quality - Great in blends with KBGs	Excellent	8-10 lbs	Excellent	Moderate	Moderate	Moderate	Moderate	Moderate	N/A	N/A



Pure Distinction (Bentgrass)

Description: **Pure Distinction** is an extremely dense upright bentgrass from Tee-2-Green. It is bright green in colour with exceptional disease resistance to take-all patch and dollar spot. Designed to produce the world's fastest putting surfaces, **Pure Distinction** is being used for many remodels and new golf course constructions around the world.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness	Drought Tolerance
Excellent	Good	Good	Excellent	Good

Spring Green Up	Salt Tolerance	Dollar Spot Resistance	Take-All Patch Resistance	Seeding Rate per 1,000 Sq Ft
Excellent	Moderate	Excellent	Excellent	1-2 lbs

**PENN
A-1**
**PENN
A-4**

PENN A-1 / PENN A-4 Blend (Bentgrass)

Description: A combination of **Penn A-1** and **A-4**, this blend is our best-selling bentgrass. Medium dark in colour and with a good spring green up, this blend has set the standard for bentgrass for the last 15 years. A tried-and-true trusted solution.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness	Drought Tolerance
Excellent	Good	Good	Excellent	Good

Spring Green Up	Salt Tolerance	Dollar Spot Resistance	Take-All Patch Resistance	Seeding Rate per 1,000 Sq Ft
Good	Moderate	Good	Good	1-2 lbs

V8 (Bentgrass)

Description: The next generation in bentgrass, **V8** is a state-of-the-art creeping bentgrass developed for premium golf courses. It is an extremely dense cultivar with upright growth, designed to produce fast putting surfaces.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness	Drought Tolerance
Excellent	Good	Good	Excellent	Good

Spring Green Up	Salt Tolerance	Dollar Spot Resistance	Take-All Patch Resistance	Seeding Rate per 1,000 Sq Ft
Good	Moderate	Good	Good	1-2 lbs



T-1 (Bentgrass)

Description: **T-1** creeping bentgrass is dark green in colour with a fine leaf texture making it suitable for putting surfaces. **T-1** retains ground coverage under tough growing conditions and is a great option for overseeding.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness	Drought Tolerance
Excellent	Good	Good	Excellent	Good

Spring Green Up	Salt Tolerance	Dollar Spot Resistance	Take-All Patch Resistance	Seeding Rate per 1,000 Sq Ft
Good	Moderate	Good	Good	1-2 lbs



KENTUCKY BLUEGRASS
JUMP START
Poa pratensis

Jump Start (Kentucky Bluegrass)

Description: **Jump Start** is a quick-establishing elite Kentucky bluegrass. With its quick germination and establishment, **Jump Start** is great for sports turf use, especially for overseeding existing turf areas. **Jump Start** also has excellent spring green up.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Good	Moderate	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Excellent	Moderate	3-4 lbs

KENTUCKY BLUEGRASS
RIGHT
Poa pratensis

Right (Kentucky Bluegrass)

Description: **Right** Kentucky bluegrass was selected for its shade tolerance and dark genetic colour. It is an excellent choice for turf in areas of reduced light. **Right** produces excellent turf quality.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Good	Good	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Moderate	Moderate	3-4 lbs

Bedazzled (Kentucky Bluegrass)

Description: With top turf quality ratings, a dark genetic colour and great spring green up, **Bedazzled** Kentucky bluegrass is an all-around cultivar that can be used for golf, sod and sportsfield applications.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Good	Moderate	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Excellent	Excellent	Moderate	3-4 lbs

Bewitched (Kentucky Bluegrass)

Description: Rated number one in many trials for wear tolerance, **Bewitched** is an absolute must for all elite sportsfield applications. This dark green compact Kentucky bluegrass is a great overall performer with excellent turf quality.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Excellent	Moderate	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Good	Good	Moderate	3-4 lbs





Aberdeen (Creeping Red Fescue)

Description: **Aberdeen** creeping red fescue has a fine leaf texture along with excellent drought and shade tolerance. Selected for improved salt tolerance and improved overall turf quality, **Aberdeen** is an excellent choice for blending with Kentucky bluegrass and perennial ryegrass cultivars.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Moderate	Excellent	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Excellent	Good	Good	3-4 lbs

Shadow II (Fescue)

Description: **Shadow II** has excellent turf quality, great drought tolerance and good salt tolerance. It is an excellent choice for blending with Kentucky bluegrass and perennial ryegrass cultivars.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Moderate	Excellent	Excellent

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Excellent	Good	Good	3-4 lbs

Deputy (Turf Type Tall Fescue)

Description: **Deputy** is an eco-friendly tall fescue that exhibits a unique combination of traits that allows it to provide excellent turf quality through rigorous conditions. **Deputy** also has high salt tolerance. **Deputy's** unique regrowth characteristics can lead to less mowing and provide valuable time savings. Deputy is great for unirrigated sportsfields.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Moderate	Moderate	Excellent	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Excellent	Good	Good	4 lbs



Gazelle II (Turf Type Tall Fescue)

Description: With very good drought tolerance and excellent salt tolerance, **Gazelle II** is an excellent tall fescue variety for unirrigated sportsfields.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Moderate	Moderate	Excellent	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Excellent	Good	Excellent	4 lbs

TALL FESCUE
GAZELLE II
Festuca arundinacea



Triumphant (Perennial Ryegrass) 3-way blend

Description: **Triumphant** perennial ryegrass blend is a mixture of our best perennial ryegrass varieties. These highly ranked varieties combine to make a great package of turf quality and disease resistance. Dark green in colour, with excellent turf quality, **Triumphant** is Canadian-production *Poa*-free seed.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Good	Moderate	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Good	Moderate	8-10 lbs



Coastal 4-Way (Perennial Ryegrass) 4-way blend

Description: **Coastal 4-Way** is specifically selected for the coast with cutting-edge blending technology that makes for an irresistible turf for sportsfields, home lawns, and elite golf courses. **Coastal 4-Way** contains the four top-ranked cultivars, chosen for their over-all turf performance in coastal regions.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Good	Moderate	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Good	Moderate	8-10 lbs

Dominator (Perennial Ryegrass)

Description: **Dominator** perennial ryegrass has exceptional levels of resistance to crown rust, stem rust and red thread, as well as strong resistance to grey leaf spot and excellent salt tolerance. With a rich dark green colour and finely textured leaves, **Dominator** provides a high-quality turf that looks as good as it performs.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Moderate	Moderate	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Excellent	Moderate	8-10 lbs

Silver Dollar (Perennial Ryegrass)

Description: **Silver Dollar** perennial ryegrass is an excellent turf quality cultivar with a very dark genetic colour. With an excellent spring green up, **Silver Dollar** is great in blends with any Kentucky bluegrass variety.

Quick Facts:

HOQ Tolerance	Wear Tolerance	Shade Tolerance	Winter Hardiness
Excellent	Moderate	Moderate	Moderate

Drought Tolerance	Spring Green Up	Salt Tolerance	Seeding Rate per 1,000 Sq Ft
Moderate	Excellent	Moderate	8-10 lbs



PERENNIAL RYEGRASS
SILVER DOLLAR
Lolium perenne

Turf Grass Blends

Executive Blend (T8)

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% Improved Kentucky Bluegrass Varieties

Premium Turf Blend (T2)

The Premium Turf Blend combines the benefits of the Kentucky bluegrass with additional shade tolerance from Aberdeen—a creeping red fescue with improved turf characteristics.

- 60% Improved Kentucky Bluegrass Varieties
- 30% Aberdeen Creeping Red Fescue
- 10% Improved Perennial Ryegrass Variety

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, the Playground/Rural Lawn Mix is an excellent option. It will do well in sun or shade, but in extreme drought.

- 35% Common Kentucky Bluegrass
- 35% Common Creeping Red Fescue
- 20% Fairway Crested Wheatgrass
- 10% Diploid Annual Ryegrass

Tee/Fairway Divot Blend (T5)

A great blend for Kentucky bluegrass tees and fairways, this blend is a mix of high-quality dwarf Kentucky bluegrasses that can be cut as low as ½" and perennial ryegrass for quick germination.

- 50% Improved Kentucky Bluegrass Varieties
- 50% Improved Perennial Ryegrass Variety

All Purpose Mix (T6)

The All Purpose Mix is well suited to sun or shade and has annual ryegrass to germinate quicker and aid in establishment.

- 40% Common Kentucky Bluegrass
- 40% Common Creeping Red Fescue
- 20% Tetraploid Annual Ryegrass



Drought Tolerant Turf Blend (T9)

The mixture of improved turf varieties 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% Improved Chewings Fescue Variety
- 20% Common Sheep Fescue
- 20% Improved Hard Fescue Variety

Coastal 4-Way

Coastal 4-Way contains the 4 top ranked cultivars chosen for their high-quality turf attributes and lighter green colour and is specifically selected for the coast with cutting edge blending technology that makes for an irresistible turf for sports fields, home lawns, and elite golf courses.

True Native Grasses Exclusive to BrettYoung



InnoTech Alberta, an applied-research subsidiary of Alberta Innovates, offers tools, services, and expertise to Alberta's world-class researchers and innovators. Alberta Innovates and its subsidiaries support clients in the public and private sectors to develop and apply innovations in the areas of environment, energy, health, food, fibre, and emerging technologies, with a focus on accelerating outcomes for Albertans.

InnoTech Alberta's Reclamation team, under its Ecosystem and Plant Sciences functional area, has been developing seeds as part of its Native Plants Program for over three decades. The seeds are used in revegetation and reclamation projects in Alberta and beyond. Wild seed collected from around Alberta is certified by the Canadian Seed Growers Association (CSGA) to gain breeder seed status for these native, locally adapted species. Breeder seed is then made available to companies like BrettYoung to grow for commercial sale.

The commercial availability of native, locally adapted cultivars enables Alberta to more effectively reclaim disturbed land. It helps Alberta maintain its status as a national leader in environmental stewardship, and it also broadens customers' options when considering landscaping, beautification and fire protection programs.

Native Grasses

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Legume	Clover	White Prairie Clover (<i>Dalea candida</i>)	- Native to central Canada - Attracts pollinators	Tap root	Fair	Very Good	Poor	Acidic, neutral and basic	Light sandy and medium loamy	278,000	24" – 36"
		Purple Prairie Clover (<i>Dalea purpureum</i> var. <i>purpureum</i>)	- Flowers attract pollinators - Highly palatable and nutritious - Wildlife like to graze	Tap root	Light to moderate	Good	Poor	Neutral	Medium to moderately fine	210,000	12" – 24"
	Vetch	American Vetch (<i>Vicia americana</i>)	- Highly palatable - Adds nitrogen to soil	Tap root	Fair	Good	Poor	Neutral to acidic	Medium to moderately fine	33,000	12" – 36"
		Canada Milkvetch (<i>Astragalus canadensis</i>)	- Great for bees - Nitrogen fixer - Food source for songbirds	Rhizomatous	Good	Fair	Good	Neutral	Medium to moderately fine, moderately coarse	226,000	12" – 40"
		Hairy Vetch (Introduced) (<i>Vicia villosa</i>)	- Introduced species, not native - Fodder vetch - Nitrogen fixer	Tap root	Fair	Good	Poor	Neutral	Sandy clay	20,000	12" – 24"
Grasses	Alkaligrass	Fults Alkaligrass (Introduced) (<i>Puccinellia distans</i>)	- Introduced species - Very salt tolerant	Rhizomatous	Good	Good	High	Basic to neutral	Moderately fine, moderately coarse	1,200,000	12" – 24"
		Inland Saltgrass (<i>Distichlis spicata</i>)	- Useful salt-tolerant native grass - Nesting grounds for birds	Rhizomatous	Excellent	Poor	High	Saline to alkaline	Moderately fine to medium	520,000	12" – 24"
	Bluegrass	Alpine Bluegrass (<i>Poa alpina</i>)	- Colonizes disturbances - Tolerates heavy traffic - Native to alpine meadows	Bunchgrass	Good	Good	Some	Acidic to alkaline	Clay soils to well-drained gravel	1,000,000	2" – 5"
		Canada Bluegrass (Introduced) (<i>Poa compressa</i>)	- Introduced species - Sod forming grass - Stabilizes low-fertility soils	Rhizomatous	Fair	Good	Good	Neutral, acidic, basic	Moderately fine to moderately coarse	2,500,000	6" – 12"
		Fowl Bluegrass (<i>Poa palustris</i>)	- Native to wet marshlands - Very vigorous - Loves sloughs and dugouts	Bunch to weak sod forming	Excellent	Moderate	Moderate	Acidic to neutral	Peat soils to clay	3,156,000	12" – 24"
		Sandberg Bluegrass (<i>Poa secunda</i> ssp. <i>Sandbergii</i>)	- Early green up in spring - Seed in burned areas - Tolerates cold and drought	Bunchgrass	Poor	Excellent	Poor	Neutral, basic, acidic	Moderately coarse, medium, moderately fine	1,047,000	5" – 11"

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Grasses	Bromegrass	Fringed Brome (<i>Bromus ciliatus</i>)	- Excellent for roadside ditches - Very tolerant of cold	Bunchgrass	Good	Good	Good	Neutral, acidic, basic	Medium, moderately coarse, moderately fine	236,000	18" – 36"
		Mountain Brome (<i>Bromus marginatus</i>)	- Rapid seed development - Ideal root system for stabilizing slopes - Rated high for elk and mule deer	Bunchgrass	Good	Medium	Good	Neutral to basic	Medium to moderately fine	64,000	24" – 36"
		Nodding Brome (<i>Bromus anomalus</i>)	- Preferred forage by elk - Graceful nodding seedheads	Bunchgrass	Poor	Excellent	Fair	Neutral to basic	Coarse	142,800	5" – 12"
	Fescue	Rocky Mountain Fescue (<i>Festuca saximontana</i>)	- Deer resistant - Low growing habit - Quick germination	Bunchgrass	Fair	Very Good	Poor	Neutral to slightly acidic	Sandy to well-drained loam	1,202,000	3" – 6"
		Rough Fescue (Foothills) (<i>Festuca campestris</i>)	- Good early spring protein - Forage for mule deer and big horn sheep	Dense tufted	Poor	Good	Poor	Neutral	Moderately coarse, medium to moderately fine	199,000 to 300,000	11" – 31"
		Rough Fescue (Plains) (<i>Festuca hallii</i>)	- Good early spring protein - Forage for mule deer and big horn sheep	Tufted & slightly rhizomatous	Poor	Fair	Poor	Neutral	Medium to heavy textured soils	403,000	8" – 18"
Fescue	Hard Fescue (Introduced) (<i>Festuca trachyphylla</i>)	- Introduced species - Shade tolerant - Non-invasive - Dark green colour	Bunchgrass	Poor	Very Good	Moderate	Acidic to neutral	Loam to sandy loam	565,000	6" – 12"	
	Sheep Fescue (Introduced) (<i>Festuca ovina</i>)	- Introduced species - Shade tolerant more than hard fescue - Non-invasive - Blue-green colour	Bunchgrass	Poor	Excellent	Poor	Acidic to neutral	Loam to gravel	680,000	6" – 12"	
	Idaho Fescue (<i>Festuca idahoensis</i>)	- Mid-season grass - Grazed by deer - Grows in a wide variety of soil types	Bunchgrass	Poor	Excellent	Poor	Neutral, acidic, basic	Heavy to well-drained soils	450,000	25"+	



Native Grasses

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Grasses	Dryland	Green Needlegrass (<i>Nassella viridula</i>)	- Good soil stabilizer - Good seedling vigour - Very good palatability	Bunchgrass	Fair	Excellent	Poor	Neutral to basic	Medium to coarse	180,000	16" – 30"
		Needle & Thread Grass (<i>Hesperostipa comata</i> ssp. <i>comata</i>)	- Characteristic awns - Very drought tolerant - Widely adapted to sandy and poor soils	Bunchgrass	Good	Excellent	Good	Neutral to basic	Coarse to well drained	115,000	12" – 18"
		Western Porcupine Grass (<i>Stipa curtisetata</i>)	- Mature awns resemble quills of a porcupine - Can be grazed before seed heads appear - Natural tendency to establish on disturbed sites	Bunchgrass	Good	Very good	Moderate	Acidic to alkaline	Very dry, poor soils	203,000	12" – 18"
		Junegrass (<i>Koeleria macrantha</i>)	- Blue-green in colour - Excellent results stabilizing tailings - Early spring growth	Bunchgrass	Fair	Very good	Moderate	Neutral to basic	Medium to moderately fine	2,315,400	4" – 8"
		Prairie Sandreed (<i>Calamovilfa longifolia</i>)	- Great erosion control - Not salt tolerant - Sod forming on sandy sites	Rhizomatous	Poor	Very good	Moderate	Neutral	Coarse to moderately coarse	237,000	30" – 46"
		Sand Dropseed (<i>Sporobolus cryptandrus</i>)	- Long-lived perennial - Stabilize sandy soils - Early spring emergence	Bunchgrass	Good	Very good	Good	Saline to alkaline	Sandy dry	5,298,000	12" – 24"
		Indian Ricegrass (<i>Achnatherum hymenoides</i>)	- Grows on extreme sites - Deep root system - Good soil builder	Bunchgrass	Poor	Excellent	Good	Neutral to basic	Rocky to sandy well drained	141,000	12" – 24"
		Indiangrass (<i>Sorghastrum nutans</i>)	- Warm-season species - Does well in infertile, dry land	Bunch to sod forming	Very good	Fair	Good	Neutral, acidic, basic	Moderately coarse to moderately fine	170,000	25" +

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Grasses	Wetland	Spike Trisetum (<i>Trisetum spicatum</i>)	- Does well in Arctic and alpine areas - Does well in higher elevations - Good forage value	Bunchgrass	Very good	Poor	Very good	Acidic to alkaline	Coarse to loam	1,800,000	6" – 8"
		Bluejoint Reedgrass (<i>Calamagrostis canadensis</i>)	- Slow to establish - Very winter hardy - Dominant species on disturbed wetland sites	Rhizomatous	Excellent	Good	Good	Neutral to acidic	Fine to coarse	2,270,000	23" – 46"
		Red Top (Introduced) (<i>Agrostis gigantea</i>)	- Introduced species - Widely used as a pasture grass - Germinates very quickly - Grows well in poor soil	Rhizomatous	Excellent	Poor	Moderate	Acidic to neutral	Loam to clay	5,000,000	18" – 30"
		Beckmans Sloughgrass (<i>Beckmannia syzigachne</i>)	- Grows along shorelines, wet meadows, ditches - Short-lived perennial/annual	Tufted & slightly rhizomatous	Excellent	Poor	Very good	Neutral, acidic, basic	Wet areas	1,150,000	12" – 40"
		Ticklegrass (<i>Agrostis scabra</i>)	- Tolerates low pH soil - Likes wet meadows but also dry open slopes	Bunchgrass	Excellent	Good	Moderate	Acidic to neutral	Rocky, infertile, barren	4,000,000	6" – 10"
		Tufted Hairgrass (<i>Deschampsia caespitosa</i>)	- Grows in wet acidic soils - Grows in mine tailings and heavy metals/hydrocarbon	Bunchgrass	Excellent	Fair	Excellent	Acidic	Sandy to clay	1,500,000	6" – 15"



Native Grass

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Grasses	Wheatgrass	Slender Wheatgrass (<i>Elymus trachycaulus</i>)	- Short-lived perennial - Establishes fairly quickly	Bunchgrass	Good	Good	Good	Saline to alkaline	Medium	160,000	20" – 48"
		Awned Wheatgrass (<i>Elymus trachycaulus</i> ssp. <i>subsecundus</i>)	- Similar to Slender Wheatgrass but with longer awns and shorter plant	Bunchgrass	Good	Good	Good	Saline to alkaline	Medium	160,000	20" – 48"
		Northern Wheatgrass (<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>)	- Adapted to a wide range of soil types - Long-lived perennial	Rhizomatous	Moderate	Excellent	Good	Alkaline tolerant	Sandy medium coarse	154,000	20" – 40"
		Streambank Wheatgrass (<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i>)	- Similar to Northern Wheatgrass - Can withstand wetter areas than Northern WG - Good for stabilization	Rhizomatous	Very good	Very good	Moderate	Acidic to alkaline	Sandy medium coarse to heavier soils	155,000	20" – 40"
		Western Wheatgrass (<i>Pascopyrum smithii</i>)	- Great salt tolerance - Can withstand periods of drought - Efficient soil stabilizer	Rhizomatous	Good	Very good	Very good	Acidic to saline alkaline	Fine to medium	110,000	18" – 36"
		Violet Wheatgrass (<i>Agropyron violaceum</i>)	- Extremely winter hardy wheatgrass - Similar to Slender Wheatgrass but shorter - Grows well at higher elevation	Loosely tufted	Very good	Good	Good	Acidic to alkaline	Coarse to clay	160,000	16" – 40"
		Bluebunch Wheatgrass (<i>Pseudoroegneria spicata</i> ssp. <i>spicata</i>)	- Drought resistant - Highly fire tolerant - Great seedling vigour	Bunchgrass	Fair	Very good	Fair	Neutral	Medium, moderately coarse, moderately fine	140,000	18" – 36"
		Pubescent Wheatgrass (Introduced) (<i>Thinopyrum intermedium</i> ssp. <i>barbulatum</i>)	- Introduced species - Similar to intermediate wheatgrass - Very good drought tolerance	Rhizomatous	Fair	Excellent	Fair	Alkaline tolerant	Medium, moderately coarse, moderately fine	100,000	20" – 40"
		Fairway Crested Wheatgrass (Introduced) (<i>Agropyron cristatum</i>)	- Introduced species - Diploid type - Finer stemmed for turf and reclamation application	Bunchgrass	Fair	Very good	Moderate	Neutral to basic	Medium, moderately coarse, moderately fine	265,250	12" – 24"
		Tall Wheatgrass (<i>Thinopyrum ponticum</i>)	- Introduced species - Very salt tolerant - Good flood tolerance	Bunchgrass	Very good	Good	Good	Saline up to pH 10	Medium, moderately coarse, moderately fine	79,000	25" +

Group	Species	Variety	Variety Key Features	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil pH	Soil Type	Approx. Seeds/lb	Canopy Mature Height
Grasses	Wildrye	Canada Wildrye (<i>Elymus canadensis</i>)	- Quick establishing - Short-lived perennial - Good in moist disturbed sites	Bunchgrass	Good	Good	Good	Neutral to alkaline	Sandy coarse to fine	115,000	28" – 60"
		Smooth/Blue Wildrye (<i>Elymus glaucus</i>)	- Quick germination - Fairly drought tolerant	Bunchgrass	Good	Good	Good	Neutral to acidic	Moderately coarse to moderately fine	134,500	16" – 36"
		Hairy Wildrye (<i>Elymus innovatus</i>)	- Colonizes disturbed areas rapidly - Good sand binder - Spreading root system	Rhizomatous	Fair	Good	Moderate	Acidic to neutral	Fine to coarse	175,000	16" – 36"
	Others	Big Blue Stem (<i>Andropogon gerardii</i>)	- Warm-season native - Likes moist soils - Grows very tall	Rhizomatous	Excellent	Good	Fair	Neutral, basic, acidic	Moderately coarse, moderately fine	130,000	25" +
		Blue Grama (<i>Bouteloua gracilis</i>)	- Warm-season native - Shallow root system so does well in dry periods	Rhizomatous	Poor	Excellent	Moderate	Basic to neutral	Loam to clay loam	800,000	6" – 8"
		Little Bluestem (<i>Schizachyrium scoparium</i>)	- Warm-season native - Grows well on slopes - In fall, turns a beautiful red colour	Bunchgrass	Poor	Moderate	Fair	Neutral, basic, acidic	Medium, coarse, moderately fine	260,000	12" – 24"
		Side Oats Grama (<i>Bouteloua curtipendula</i>)	- Warm-season native - Short lived - Deep rooted	Rhizomatous (slightly)	Good	Good	Good	Moderate to alkaline	Medium, fine textured, well drained	191,000	12" – 24"
		Switchgrass (<i>Panicum virgatum</i>)	- Warm-season perennial - Grows very tall - Also referred to as Tall Panic Grass	Rhizomatous	Very good	Poor	Very good	Acidic, basic, neutral	Fine to coarse	175,000	16" – 36"
		Knotted Rush (<i>Elymus innovatus</i>)	- Loves wet areas - Most active in spring and fall when temperatures are cooler	Rhizomatous	Excellent	Poor	Very good	Neutral to acidic	Wet, wet mesic	29,600,000	24"





Prairiebloom Wildflowers

Description:

Prairiebloom Wildflower Mix contains 20 different kinds of wildflowers that are native to the plains and foothills of Western Canada.

Where to Plant:

Sunny location, well-drained soil with few weeds.

Planting Directions:

- Prepare soil to a depth of several inches
- Remove weeds and ensure a clean seedbed
- One ounce of seed will cover 250 square feet
- To seed evenly, mix the wildflower seeds with sand—four parts sand to one part seed
- After seeding, lightly rake and water the seedbed with a fine spray

Fall Treatment:

After freezing frost, using a lawnmower with no discharge and raised to its highest cutting height, cut the plants so that all seed is driven down into the mulch. This will ensure that the annuals will reseed themselves in the spring.

American Vetch (*Vicia americana*)

Description:

A native forb, **American Vetch** is a herb species and seeds were used as food by North American Native peoples.

Growth Habit:

American Vetch has a vine-like growth habit with stems 12 to 36 inches tall in tangled masses. It flowers three to nine loose clusters at stem tips (pea-like) and has bluish to reddish/purple petals in early summer. Tap roots extend 2 to 3 feet with secondary roots to 8 inches.

Adaptation:

American Vetch grows in fields, thickets, dry prairies, roadsides and open woods. It is widespread across North America. It performs well on sandy or coarse loam soils.

Reclamation Use:

American Vetch is a legume used primarily for soil improvement and bank stabilization. It can enrich soils through nitrogen fixation. Once established, it provides enough cover to suppress weeds and protect soil. Palatable to both livestock and wildlife.



Red Top (*Agrostis gigantea*)

Description:

Red Top is an introduced cool-season grass found throughout Canada and the USA.

Growth Habit:

Red Top is a sod-forming, rhizomatous species of medium height, usually between 15 to 31 inches. It has upright growth with stem leaves; its root system is relatively shallow. **Red Top** is a long-lived perennial.

Adaption:

Red Top is a moisture-loving species and requires more than 20 inches of annual precipitation. It performs best in clay or clay loam soils but will grow even on sandy sites. It has very good tolerance of acidity and will grow well on soils with a pH above 4.5. It cannot tolerate alkaline soils, has a very good tolerance to flooding, and poor tolerance to drought and salinity.

Reclamation Uses:

Red Top has good seedling vigour and will establish fairly quickly. Its best reclamation use is on wetter sites that have acidic soil conditions. **Red Top's** strong rhizomatous nature makes it a good erosion control species. **Red Top** has fairly low palatability, which means it can provide cover for some nesting waterfowl.

Ticklegrass (*Agrostis scabra*)

Description:

Ticklegrass (hair grass, rough hair grass) is named for its characteristic tickle to your bare legs as you walk through it. It is found from near sea level.

Growth Habit:

Ticklegrass is a perennial, tufted bunchgrass, 12 to 28 inches in height. It forms small dense tufts. **Ticklegrass** ranges from Alaska to Newfoundland and to all but the southeastern states.

Adaption:

Ticklegrass is found on dry open slopes and alluvial flats. It is also found on moist ground in meadows, open woods and abandoned fields. It will establish on disturbed sites and will tolerate low pH as well as acidic soils. Generally found in sunny locations.

Reclamation Uses:

Provides excellent cover to prevent surface erosion. Hair grass is a common pioneer of abandoned fields throughout the prairies. It has been found growing on soils with total Cu and Ni contents up to 450 ppm and 500 ppm respectively. **Ticklegrass** has been reported as a pioneer on a relatively dry white spruce area near Norman Wells, North West Territories.





Blue Grama (*Bouteloua gracilis*)

Description:

Blue Grama is a long-lived, warm-season native, valued as forage. **Blue Grama** flowers are also used in dried flower arrangements.

Growth Habit:

Blue Grama is adapted to most soil textures from sand to clay, but it performs best on loam to clay textures. It prefers neutral or slightly alkaline soils and is tolerant of a fair amount of salinity.

Adaption:

Blue Grama is an important prairie grass. Its dense, shallow root mass holds down the soil and keeps it from blowing away.

Reclamation Uses:

Blue Grama is best suited for reclaiming areas where drought and salt tolerance are essential and slow establishment is not a concern. Once established, **Blue Grama** is a good soil stabilizer due to its strong root system. It is very low growing and works well in low-maintenance situations. Forage produced is of high quality; livestock will gain well on it. Germination is good, seedling vigour is poor. Plant spreads well by tillers.

Canada Bluegrass (*Poa compressa*)

Description:

Canada Bluegrass has been described as a native and an introduced species. It is found in the western plains across North America.

Growth Habit:

Canada Bluegrass is a medium-tall species growing seed stalks to 18 inches in height. The leaves are basal and maintain a low growth habit. It has a dense creeping root system with numerous deep fibrous roots. It has long rhizomes that form a loose, long-lived sod. It germinates and establishes faster than Kentucky bluegrass and establishes easily. Seedling vigour is good and spreads over base areas quickly.

Adaption:

Canada Bluegrass grows well on dry, infertile, coarse soils. It is commonly found on waste ground as well as roadsides, meadows and open roads. It does not tolerate shade, but it is very tolerant of drought and will tolerate high traffic and grazing. **Canada Bluegrass** is tolerant to acidic and saline soils.

Reclamation Uses:

Canada Bluegrass is a tough, sod-forming grass ideal for stabilizing low-fertility rocky to clay soils. Because of the deep root and spreading rhizomes and low growth, it is used extensively for erosion control and low maintenance landscaping on infertile roadsides, mine wastes and reclamation areas.

Fowl Bluegrass (*Poa palustris*)

Description:

Fowl Bluegrass is native to the marsh wetlands of the prairie provinces' Parkland areas. Not restricted to marshes, it can be found anywhere in the Parkland where moisture is adequate.

Growth Habit:

Fowl Bluegrass is shallow rooted and non-creeping. It has a high germination with a vigorous seedling. It invades areas easily and is competitive with slower-establishing grasses. It is a short to medium plant growing 8 to 24 inches. The leaves are basal; the seed head is on top of a naked stock.

Adaption:

Fowl Bluegrass is native to conifer and boreal forest regions in Alberta, as well as the wetlands of the Parkland areas of the prairies. In Alberta, it is found in grey-wooded and moist black soils. It is found around sloughs and dugouts. However, due to its prolific seed set and seedling vigour, it is an increaser seed species. It will survive in non-flooded soils where there is good moisture.

Reclamation Uses:

Fowl Bluegrass is one of many water-loving native grasses. It is compatible with reed canarygrass, ticklegrass (*Agrostis scabra*), tufted hairgrass and fescues.

AEC Glacier Alpine Bluegrass (*Poa alpina*)

Description:

AEC Glacier Alpine Bluegrass is native to the alpine meadows of Alberta and Arctic regions of the Territories.

Growth Habit:

AEC Glacier Alpine Bluegrass is a densely tufted bunchgrass with thick, fleshy, dark green leaves, with short, fibrous, non-creeping roots. It grows 3 to 12 inches tall including the seed head. Relatively long-lived and not overly aggressive, it will colonize disturbances from rocky outcrops to moist lakeshores. It will establish without difficulty with fall and spring seeding. Germination and vigour are good, however seedlings are small and cannot compete with more aggressive species.

Adaption:

AEC Glacier Alpine Bluegrass grows in clay soils to well-drained gravel. **Alpine Bluegrass** will grow on very acidic soils to moderately saline soils. It is somewhat drought tolerant and grows well in shade and can tolerate heavy traffic. It has been found in both vehicular traffic and foot traffic areas.

Reclamation Uses:

Alpine Bluegrass has been used in the National Parks of Alberta and British Columbia, on pipelines, road clearings and other disturbances. It establishes well early in the fall and spring and is a good colonizer of disturbances.





Fringed Brome (*Bromus ciliatus*)

Description:

Fringed Brome is a coarse, loosely tufted perennial that grows 18 to 36 inches tall.

Growth Habit:

Fringed Brome is a non-rhizomatous erect bunchgrass that reproduces through seeds only. It has long, yellow-green blades with a prominent, whitish midvein extending part way down the sheath. **Fringed Brome** will grow in the northern and western regions where other varieties do not survive.

Adaption:

Found in all ecoregions in areas with better moisture. Grows in open woods, fescue grasslands and moist meadows. It can be found as far north as the Alaskan interior. It will survive in the north and western regions where other species might not. **Fringed Brome** is tolerant of moderately acidic soils.

Reclamation Uses:

Fringed Brome is excellent for roadside ditches, burrow pits and where the landscape is hummocky and rolling.

Mountain Brome (*Bromus marginatus*)

Description:

Mountain Brome is a robust bunchgrass that grows between 23 and 36 inches high. It is only slightly tolerant of saline soils and prefers moist sites.

Growth Habit:

Mountain Brome is an erect bunchgrass that reproduces through seeds and rhizomes. **Mountain Brome** starts growth in early spring; seeds mature by August.

Adaption:

Mountain Brome found in the northern and central Rocky Mountains. It is slightly tolerant of saline soils and prefers moist sites. It's rated high for elk and mule deer. Native habitats are mountain slopes, ridge tops, valleys, meadows and waste places; has an ideal root system for stabilizing slopes.

Reclamation Uses:

Mountain Brome is excellent for road cuts and mined lands where rapidly developing seedlings are required.



Prairie Junegrass (*Koeleria macrantha*)

Description:

Prairie Junegrass is a short, densely tufted perennial bunchgrass that multiplies through seed and tillers. Plants are usually widely spaced and can withstand repeated grazing.

Growth Habit:

Prairie Junegrass grows about 12 to 24 inches high and is a cool-season grass. It grows straight up, has relatively fine leaves and a shallow root system. **Prairie Junegrass** is a long-lived perennial; seldom has rhizomes. It initiates growth in early spring and greens up during the fall rains.

Adaption:

Prairie Junegrass is found in grassland, rocky ridges and open forests on well-drained soils. It is widespread across the southern boreal forest, parkland and prairie north, west to Great Slave Lake and southern Yukon; circumpolar.

Reclamation Uses:

Prairie Junegrass grows in a wide range of conditions, wet to dry, and is already established throughout North America. It grows well in coarse soils and has a high survival rate on the alpine and subalpine eastern slopes. Excellent results stabilizing tailings and sand at Fort McMurray.



Rough Fescue (*Festuca campestris*)

Description:

Rough Fescue originated from the arctotertiary flora. It was adapted to the subalpine and boreal forest climates and continues to be grass of the subalpine or the forest edge.

Growth Habit:

Rough Fescue is a densely tufted plant, often forming large tussocks, with fibrous roots. It spreads through seeds and rhizomes. **Rough Fescue** is an erect, solitary bunchgrass. The plant grows from 12 to 31 inches in height. Its foliage is grey to blue-green.

Adaption:

Rough Fescue is found on mountain slopes and is a dominant climax species in the foothills grassland. It grows in dry grasslands, forest openings and rocky mountains, especially where moisture limitations are significant. It is a good early spring protein.

Reclamation Uses:

Rough Fescue is a must usage on dry slopes where there is a thin black layer of soil. It is recommended for revegetating disturbances as well as restoring altered rangelands; best used in a mix with early successional grasses that will provide the necessary cover while the **Rough Fescue** establishes itself.





Sheep Fescue (*Festuca ovina*)

Description:

Sheep Fescue is an introduced cool-season bunchgrass adapted to central and northern latitudes of the USA and Canada.

Growth Habit:

Sheep Fescue is a densely tufted, low-growing bunchgrass with fine leaves growing to 6 to 12 inches. It can be used for turf in shade. It has excellent winter hardiness, develops a large root mass, and is a long-lived variety. **Sheep Fescue** differs from hard fescue: it is shorter (2 to 4 inches), slightly more drought tolerant, and has a blue-green colour.

Adaption:

Sheep Fescue is very shade tolerant, more so than creeping red fescue or hard fescue. It does well in sandy, gravelly soils but can grow well in loam soil; it is only fair in clay soils. **Sheep Fescue** is tolerant of acidic soils.

Reclamation Uses:

Sheep Fescue establishes slowly, but has better seedling vigour than common sheep fescue. Due to its slow establishment and non-aggressive nature, it is a non-invasive species. Once the root system has developed, it will persist. It will establish on sandy and gravelly soils of low nutrient levels. It is shade tolerant and tolerant of competition of faster-establishing taller species in a seed mix. It is not tolerant of saline or alkaline soils, which limits its use under some prairie conditions.

ARC Grouse Green Needlegrass (*Nassella viridula*)

Description:

ARC Grouse Green Needlegrass is a native grass of the northern plains.

Growth Habit:

ARC Grouse Green Needlegrass is a medium-height, erect bunchgrass between 16 and 32 inches tall. It has a finely branched fibrous root system, which goes to 9 feet in depth or greater. It is a long-lived perennial that has a dormancy factor preventing quick germination. It has good seedling vigour, and establishment is not difficult.

Adaption:

ARC Grouse Green Needlegrass, is widely distributed throughout the prairies. It seldom occurs in dense stands. It most commonly grows on clay soils. It is an important constituent of many planting mixtures.

Reclamation Uses:

ARC Grouse Green Needlegrass, once established, has good seedling vigour and will produce quicker cover than other species. It has good forage growth and very good palatability. It is well suited to the revegetation of disturbed rangeland and mine sites to be grazed. With its well-developed deep root system, it is a good soil stabilizer.

AC Sharptail Needle & Thread Grass (*Stipa comata*)

Description:

AC Sharptail Needle & Thread Grass is so called because of the unusually long twisted awns that are suggestive of a threaded sewing needle.

Growth Habit:

AC Sharptail Needle & Thread Grass is a densely tufted perennial with deep fibrous roots. It is a cool-season, long-lived bunchgrass, very drought tolerant and widely adapted to the prairies.

Adaption:

AC Sharptail Needle & Thread Grass is very common in the southern regions, sporadic northward. It is found in dry grasslands, often in sandy, poor soils, on river breaks and dry slopes. It is adapted to brown, dark brown and black soils zones.

Reclamation Uses:

AC Sharptail Needle & Thread Grass is considered to be a major climax species in the prairie region. Recommended for reseeding in the prairie region; it will naturally reclaim small or narrow disturbances in the absence of more competitive species.

Western Porcupine Grass (*Stipa curtisetata*)

Description:

Western Porcupine Grass, is named so because the mature awns resemble the quills of a porcupine.

Growth Habit:

Western Porcupine Grass is a erect robust perennial bunchgrass, shallow rooted, seldom extending below 40 inches in depth. Spring growth starts in mid April with flowering occurring by mid June. Seeds ripen by mid July and shatter about two weeks later.

Adaption:

Western Porcupine Grass is common in the foothills and mountain grasslands, prairie and parkland regions, and northern grasslands. It is an indicator of improved soil and moisture conditions. **Western Porcupine Grass** is a decreaser, except in the best soil and moisture zones, where it becomes an increaser. Plants are palatable for grazing except for the period between seed emergence and the seed shattering.

Reclamation Uses:

Western Porcupine Grass is one of the important native grasses of the Canadian mixed prairie. This species shows a natural tendency to establish well on disturbances. Forage value of **Western Porcupine Grass** is good with protein content in spring as high as 20%, dropping to 5% when plants cured.



Prairie Sandreed (*Calamovilfa longifolia*)

Description:

Prairie Sandreed, also known as sandgrass or sand reedgrass, is a tall, sod-forming, native, long-lived, warm-season, perennial grass of the northern and central Great Plains. It is used mostly for soil stabilization on sandy sites. It abounds on some areas that support but few other forage plants.

Growth Habit:

Prairie Sandreed does not tolerate flooding and requires well-drained sites. Drought tolerance and winter hardiness are both good. It will grow on soils that are slightly alkaline, and it has poor salt tolerance. Good summer growth; deep rooted to over 6 feet. Seed stocks grow to over 51 inches tall with leaves less than 24 inches long.

Adaption:

Prairie Sandreed grows principally in sandy soils. It is relatively easy to establish and reproduces well using seed production and vigorous rhizomes. It is a long-lived grass and occurs in coarse spreading patches. It has low nutrient requirements, is intolerant of shade and will invade sand dunes.

Reclamation Uses:

Prairie Sandreed is used to lend diversity to minesoil plantings but better used to stabilize dry sand dunes or blown out areas not subjected to heavy usage.

Bluejoint Reedgrass (*Calamagrostis canadensis*)

Description:

Bluejoint Reedgrass is also known as Canada reedgrass, marsh or meadow pine grass. It is a long-lived perennial and very winter hardy.

Growth Habit:

Bluejoint Reedgrass grows 24 to 48 inches tall in swamps, edges of wetlands, moister upland sites and in moist woods. It is also found throughout a wide range of tundra habitats. It is a bunchgrass with a creeping growth habit and is capable of high ground cover production.

Adaption:

Bluejoint Reedgrass is an aggressive pioneer of disturbance sites and spreads by rhizomes. It has a root system that is tolerant of low soil temperatures. It is a dominant species on disturbed sites.

Reclamation Uses:

Bluejoint Reedgrass has been evaluated for revegetation in several trials in tundra and northern boreal forest sites. It was found slow to establish, but by the end of the growing season, cover and biomass production equaled or exceeded those of commercial varieties.

Sand Dropseed (*Sorobolus cryptandrus*)

Description:

Sand Dropseed is one of 40 species of dropseed in North America. It is one of three varieties that ranges north into Canada and is found throughout the Prairies. It is named for its ability to drop seeds before maturity.

Growth Habit:

Sand Dropseed is a strongly tufted perennial with fibrous roots. It starts growth in early spring; seeds mature June to August; reproduces readily from seeds and tillers.

Adaption:

Scattered, more prevalent in southern regions, **Sand Dropseed** is ideal for open areas and disturbed sites, most common on sandy soils. It is also found in dry, open sandy woods, in open prairie grasslands and in active sand dunes.

Reclamation Uses:

Sand Dropseed has value in stabilizing loose sandy soils. It is very drought tolerant and increases production with abusive grazing or after a drought. Seeds can remain viable in the soil for up to 20 years.

Indian Ricegrass (*Achnatherum hymenoides*)

Description:

Indian Ricegrass has been described both as a warm-season and cool-season grass.

Growth Habit:

Indian Ricegrass is a tufted bunchgrass of medium height. It is a long-lived perennial.

Adaption:

Indian Ricegrass is an extremely drought-tolerant species existing on as little as 4 inches of annual precipitation. It has good tolerance of soil salinity. It is adapted to deep sandy soils; it will grow on loamy soils as well. It prefers a neutral or alkaline soil. **Indian Ricegrass** is tolerant of low fertility and will do well under these conditions.

Reclamation Uses:

Indian Ricegrass has good seedling vigour but does have a problem with seed dormancy; higher seeding rates are recommended. It is an excellent species for revegetating dry, infertile, sandy sites such as blowouts or dunes. Since **Indian Ricegrass** grows on extreme sites where many other grasses do not and it has a deep root system, it is a good soil builder and will stabilize slopes. It is a highly palatable grass, so it can be used on rangeland.





Alpine Timothy (*Phleum alpinum*)

Description:

Alpine Timothy is commonly called mountain timothy, wild timothy, alpine cats tail, fleole des Alpes, etc.

Growth Habit:

Alpine Timothy is an erect, densely tufted bunchgrass, shallow rooted, sometimes creeping and forming a sod. It grows from 4 to 12 inches in height, and remains green throughout the summer.

Adaptation:

Alpine Timothy is generally found above 4,100 feet elevation. It has circumpolar distribution, important over the Arctic and alpine regions of North America. It can be found in mountain meadows, bogs, and wet sites, in poorly drained soils to deep stony loam soils.

Reclamation Use:

Recommended for revegetation of alpine ranges and wildlife habitats. **Alpine Timothy** has been used with some success on revegetation of high-elevation mine spoils in Montana. Best results occur in the western Canadian Arctic and also peat and mineral soils.

Nortran Tufted Hairgrass (*Deschampsia caespitosa*)

Description:

Nortran Tufted Hairgrass is a circumpolar native grass. It is found from Greenland to Alaska, south through the prairies and mountains of North America. **Tufted Hairgrass** is also found in Eurasia and Europe.

Growth Habit:

Nortran Tufted Hairgrass is a medium to tall growing, densely tufted bunchgrass. It is a long-lived perennial.

Adaption:

Nortran Tufted Hairgrass is well adapted to wetter sites and can withstand flooding and high water tables. It grows best in areas that receive over 20 inches of annual precipitation.

Reclamation Uses:

Nortran Tufted Hairgrass is best suited for the revegetation of wet, acidic soils. It has been found to be a species that will grow in areas such as mine tailings, which have elevated levels of heavy metals and hydrocarbons. **Nortran Tufted Hairgrass** is considered fair as a soil stabilizer but it does not spread quickly.



Adanac Slender Wheatgrass (*Elymus trachycaulus* ssp. *trachycaulus*)

Description:

A native prairie grass, **Adanac Slender Wheatgrass** is the newest certified variety of slender wheatgrass.

Growth Habit:

Adanac Slender Wheatgrass is basically a bunchgrass with the ability to produce rhizomes for self-propagation. **Adanac Slender Wheatgrass** is not long lived, however stands will last up to ten years if allowed to reseed.

Adaption:

Adanac Slender Wheatgrass was selected from a native stand in the saline tall-grass prairie areas of Saskatchewan. It grows well in well-drained gravel, sand or loam soils, and is tolerant of saline conditions.

Reclamation Uses:

Adanac Slender Wheatgrass is a very fast-establishing grass. It has superior salt tolerance and forage production.

Western Wheatgrass (*Pascopyrum smithii*)

Description:

Western Wheatgrass is a tough, sod-forming native and one of the most valuable species in the grasslands of Western Canada.

Growth Habit:

Western Wheatgrass is a low-growing grass with long creeping rhizomes. It easily reproduces from rhizomes. Height will range from 12 to 24 inches. It establishes moderately well. Seedling vigour is fair due to slow root development.

Adaption:

Western Wheatgrass is native throughout most of southern North America. It is adapted to fine- and medium-textured soils and can withstand long periods of drought. Suited to clay soils in low-lying areas where spring flooding occurs followed by drought. It can grow through thick layers of silt and will tolerate moderate amounts of alkali. It is extremely salt tolerant, rated one of the leading grasses for use in saline soils.

Reclamation Uses:

The tough, soil-binding property of **Western Wheatgrass** makes it an efficient soil stabilizer.





Violet Wheatgrass (*Agropyron violaceum*)

Description:

Violet Wheatgrass is an extremely winter-hardy wheatgrass used for the subarctic regions and higher elevation all along the Rocky Mountains.

Growth Habit:

Violet Wheatgrass is a loosely tufted plant growing 12 to 40 inches tall. The ground-level or underground stems are horizontal or vertical and often branched. Stems are erect or decumbent.

Adaption:

Violet Wheatgrass is circumpolar, found predominantly on well-drained sandy to gravel-type soils. It is naturally found on disturbed soils around animal burrows, and can be found in disturbed soils around construction sites in the warmest regions of the high Arctic.

Reclamation Uses:

Violet Wheatgrass is recommended as an early successional reclamation species for disturbed sites ranging from the warmer parts of the high Arctic to alpine meadows of the northern Rockies. It is considered an increaser in its adapted range.

Northern Wheatgrass (*Elymus lanceolatus* ssp. *lanceolatus*)

Description:

Northern Wheatgrass, a hardy, long-lived perennial, is an extremely drought-tolerant essential native species to the grasslands of the prairies.

Growth Habit:

Northern Wheatgrass has a height varying from 20 to 40 inches. It has a three-way root system—creeping underground rootstalks that spread and reproduce, a very shallow fibrous root system, and deep roots that penetrate to at least 24 inches.

Adaption:

Northern Wheatgrass is adapted to a wide range of soils, preferring medium- to coarse-textured soils, especially sandy soils. It is common in both brown and dark brown soil zones, preferring dry areas. It withstands moderate flooding and can be grown on soils that are subject to water or wind erosion as it produces a good ground cover.

Reclamation Uses:

Northern Wheatgrass provides drought tolerance and strong creeping rhizomes that bind the soil for excellent erosion control. It forms a smooth sod for use on non-irrigated recreational fields and airport runways. Its tolerance to soil salinity makes it suitable for seeding on canal banks and roadways. This multi-purpose grass provides the solution to reclamation problems in dry, alkaline areas of the Prairies.



Hairy Wildrye (*Elymus innovatus*)

Description:

Hairy Wildrye is an erect, sod-forming bunchgrass. It grows 16 to 40 inches high. It propagates through rhizomes and seeds. It has high salt and medium drought tolerance and grows well in sandy and gravel-bearing soils.

Growth Habit:

Hairy Wildrye is a tall, erect, sod-forming grass with slender scaly rhizomes. It is noted for its deep and spreading root system and does best where probability of drought is low. It propagates through seeds and creeping rhizomes.

Adaption:

Hairy Wildrye is very common in open woodlands.

Reclamation Uses:

Hairy Wildrye colonizes disturbed areas rapidly and, along with its deep and spreading root system, acts to reduce wind and water erosion. It is regarded as a good sand binder. Good growth has been achieved on coalmine soil in the Rocky Mountain foothills of Alberta.

Canada Wildrye (*Elymus canadensis*)

Description:

Canada Wildrye is a cool-season bunchgrass found throughout the northern Great Plains in the USA and Canada.

Growth Habit:

Canada Wildrye is a tall, erect bunchgrass that grows to 60 inches in height. Its basal stem leaves are coarse and long. It is short lived with three to four years of peak production. It reproduces from tillers.

Adaption:

In the prairies, **Canada Wildrye** is adapted to most soils from sandy to loam. It prefers moist, well-drained soils and neutral to slightly alkaline conditions. It grows in areas receiving 10 inches of moisture and can be found in the wooded areas of the Prairies. It has a fair to moderate drought tolerance, with fair to good flooding tolerance and, similarly, fair to good salt tolerance.

Reclamation Uses:

Canada Wildrye is found throughout the Prairies from riverbanks to sandy areas and from prairie to parkland ecosystems. It is a quick-starting species that does well on disturbed sites where moisture accumulates, for example, sandy stream channels, highway ditches, borrow pits and shady areas.



Water Management & Soil Amendments

Water management on your course is important to you, and therefore it's important to us. We have selected a number of partners who have the same goal in mind—to help you make your field and turf look great.

From water soluble dyes and pigments from Turf Max, to soil surfactants and wetting agents provided by Aqua-Aid, we have the best products.

We even have new and innovative products like the POGO Turf Pro Water monitoring system and Magnation Water Treatment & Irrigation Equipment Products.





Turf Max LLC

Turf Max LLC is a leading international manufacturer of plant protectants, paints, pigments, and water-soluble dyes for the turf and agricultural industries. BrettYoung is the leading Canadian distributor of turf and agricultural products. It was only natural that the two work together, and in 2012, Turf Max and BrettYoung began to do business. It has been a natural fit ever since. Turf Max's unique and effective product line combined with BrettYoung's local sales knowledge, unparalleled customer service, and professional sales staff were a natural fit. We are proud to partner with the BrettYoung team and are very fortunate to have them promote our products to our Canadian customers. We hope you enjoy the results.

It was evident fairly quickly that our two companies share many important traits that will serve our customers well for many years to come. We both take great pride in providing unique, quality products, unparalleled customer service and competitively priced solutions to our customers. These traits will continue to be the cornerstone of our business and relationship together. We look forward to sharing them in person with you.

You can be sure every Turf Max product sold by a BrettYoung representative will be manufactured with only the finest materials, will provide outstanding results, will be cost effective and will be backed by two companies completely committed to your satisfaction and success. You can count on us both.

For more information, visit www.turfscreen.com.

Aqua-Aid

Aqua-Aid manufactures soil surfactants and wetting agents for the green industry. Aqua-Aid has contributed to water management for 30 years, with surfactant products to hydrate and penetrate water-repellent soils, manage localized dry spots and move water through compacted soils. Aqua-Aid's objective is to provide valued products for common sense solutions to everyday problems that are cost effective and improve turf and ornamental quality while being environmentally safe.

Verde-Lawn Products

Everyone uses lime or gypsum! Not everyone has thCa™ Acid. thCa™ makes all the difference. The thCa™ in Verde-Cal products sequesters calcium to allow for better uptake and immediate availability. Verde-Cal products are less dusty, and dissolve quickly with just one irrigation cycle.

How many times have you applied typical limestone or gypsum just to mow it right back up? Or, have you ever had to clean off your rollers because of limestone or gypsum caking to them? Or, have you ever applied product just to find it under the canopy still sitting there? Our products get to work in the soil while typical limestone and gypsum remain unused.

For more information, visit www.aquaaid.com.

Precision Laboratories

Specialized Chemistries

At Precision Laboratories, we help the grower, retailer, golf course superintendent and turfgrass manager feed the world, create great outdoor playing surfaces and steward the earth with specialized chemistries. We're committed to using resources properly and efficiently. Whether it's saving water, getting the most from fertilizer and plant protection applications, or saving labour, we design our products to give you the best crop using the smallest amounts of inputs necessary.

Results. Expect It.

We obsess about our customers, and that's what drives our culture. Our customers know they can count on us to deliver great products, outstanding service, and a high level of satisfaction.

Innovation

For over 50 years, we've raised the bar with innovative chemistries and technologies to give you products that are sensible and effective. With our customer-intimate philosophy, new ideas are driven from the ground up. We pride ourselves on solving acute problems and being flexible enough to quickly develop new products that customers need in today's changing marketplace.

Biological Performance

We're a science and data-driven business in a marketplace that demands performance. In our quest to enhance plants, seeds, soil and water, we dedicate substantial resources to research and development of new products that deliver consistent results and high value for you, our customer.

For more information, visit www.precisionlab.com.





Magnation

The Future of Sustainable Irrigation.

Higher productivity with less water, energy and chemicals.

Save 20% in Water Consumption

As water passes through engineered magnetic fields created by the Magnation® system, the H₂O molecule is liberated from its molecular bonds to minerals. The result is smaller molecule clusters of oxygen, minerals and nutrients available to infiltrate and nourish soils and fine hair root zones. This softened, rainlike water more easily penetrates soil, spreads across a wider area of ground, helps soil retain moisture, stimulates soil nutrients and enhances plant growth, reducing irrigation requirements by 20%.

Less Chemicals

Save 10–50% in chemical use. Using Magnation lessens the need for fertilizers, pesticides, herbicides and insecticides by making inputs more soluble, promoting a cleaner environment and supporting a more efficient operation. Eliminate chemicals for scale and corrosion prevention altogether.

Reduce Energy

Save 10–20% in energy consumption. In addition, less scale buildup in pipes, along with easier flow due to friction loss, cuts down on pumping costs, saving energy and improving your bottom line.

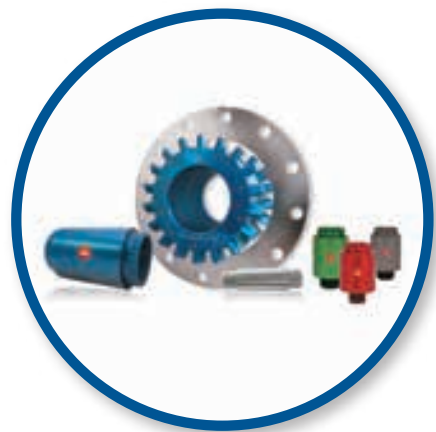
Better Quality Turf

Mellower soils, uniform germination, healthier roots, greener and denser turf.

Zero Impact

Chemical-free, energy-free, maintenance-free, and zero byproducts. Save money and time, and create a healthier environment with Magnation.

For more information visit, www.RainlikeWater.com.



POGO

Stevens Water Monitoring Systems was established in 1911, and is a globally leading manufacturer and supplier of environmental monitoring and communication technology.

The POGO system integrates the most depended upon sensor technology by academics and industry alike for monitoring moisture content, electrical conductivity (EC, aka salinity) and temperature. Its focused application in turfgrass has made it a sought-after technology by superintendents and greenkeepers worldwide.

What differentiates it from other technologies is its ability to measure energy absorbed AND lost in the sampled medium. Other sensors estimate the amount of energy lost, leading to errors in calculations and estimates that are often skewed as conditions in the turf system change. While other sensors require calibration to try to limit this estimation skew, the POGO never requires calibration, making it very dependable. Stevens stands behind its products and offers an industry-leading warranty on the POGO technology, including an unprecedented 5-year complete warranty on the integrated sensor and tines.

Stevens became a partner with BrettYoung to represent the POGO in Canada with utmost professionalism given the company's reputation for doing so with other products. Unlike other sensors, which are often sold as commodities from the cheapest supplier, Stevens is careful about choosing its resellers and representatives, keeping focus around the superior technology it encompasses so that only the best solutions are offered to users for their needs. BrettYoung is no exception and offers the ability to present the POGO technology professionally to a vast array of users across Canada.

As the POGO system continues to offer innovative scientific solutions in a very practical manner for users of all levels, we are proud that BrettYoung will be the face of our product while presenting these solutions practically and economically to the Canadian golf and turfgrass industry. With BrettYoung's outreach into agriculture and academic applications, Stevens looks forward to expansion into these industries in Canada, with the company's assistance.

For more information visit, www.pogoturfpro.com.



Wettings Agent and Soil Amendments

Category	Group	Brand	Product	Season	Formulation	Formulation	Key Features
Wetting Agents	Penetrating Surfactants	Aqua-Aid	Oars PS	All Season	Liquid	Organic Acid Redistribution System Multi-Branched Penetrants	- Reduces water repellency - Increases penetration of water - Provides firm, fast putting surfaces
		Plant Food	Flo Thru Penetrant	All Season	Liquid	Concentrated Soil Penetrant Salicylic Acid	- Reduces dew on early morning turf - Provides uniform water penetration - Salicylic acid reduces plant stress
	Hydrating Surfactants	Aqua-Aid	PBS 150	All Season	Liquid	Long-term Surfactant Multi-Branched Structure	- Excellent moisture retention - Still provides a firm putting surface - Improves turf quality under stress
			PBS 150	All Season	Granular	Long-term Surfactant Multi-Branched Structure	- Excellent moisture retention - Still provides a firm putting surface - Improves turf quality under stress
		Plant Food	Regulate Plus	All Season	Liquid	Dual Action – Penetrant and Super Holding Wetting Agent	- Performs well under any conditions - Provides even water movement - Great product for bunker faces
		Precision	Cascade Plus	All Season	Liquid	Hydration and Infiltration	- Deeper water infiltration - Promotes a drier surface - Decreases water use
			Magnus	All Season	Liquid	Hydration and Infiltration	- Uniform hydration in upper root zone - Ideal for stressed turf - Optimize growing conditions for seedlings
			Vivax	All Season	Liquid	Hydration and Infiltration	- Suitable for a wide range of soils - Contains four active ingredients - Moves water quickly into soil
			EZ Tabs	All Season	Solid	Hydration and Infiltration	- Rescue treatment pucks - Same active ingredient as Magnus - Use with EZ Tab Applicator
		Supplemental Nutrition	Calcium Carbonate Based	Aqua-Aid	Verde Cal	All Season	Granular
Simplot	TruLime			All Season	Granular	Calcium Carbonate	- Ideal for acidic soils - Fine grind to increase availability - Available in SGN 160 and 210
Gypsum Based	Aqua-Aid		Verde Cal G	All Season	Granular	thCa-Acid Enhanced Gypsum Product	- Great product for sodium reduction - Helps to rebalance soils - 4 x more available than gypsum
			Verde Cal K Plus 0-0-15	All Season	Granular	thCa-Acid Enhanced Gypsum Product	- Contains K, Ca, Mg for Na reduction - Excellent for summer stress - 4 x more available than gypsum
	Simplot		TruGyp	All Season	Granular	Gypsum	- Ideal for sodic soils - Fine grind to increase availability - Available in SGN 90, 160 and 210

Category	Group	Brand	Product	Season	Formulation	Formulation	Key Features
Soil Amendments	Soil Amendments	Profile	Profile Greens Grade	All Season	Granular	Calcined Clay Greens Grade	- Increases porosity in soil - Increases water and oxygen levels - Can be used for algae treatment
			Profile Field and Fairway	All Season	Granular	Calcined Clay Fairway Grade	- Increases porosity in soil - Increases water and oxygen levels - Can be used for algae treatment
	Sportsfield Products	Profile	Turf MVP	All Season	Granular	Calcined Clay Sportsfield Formulation	- Increased moisture absorption - Improved drainage through porosity - Reduced compaction for consistency
			Turf Pro League	All Season	Granular	Calcined Clay Sportsfield Formulation	- Smaller, more uniform particle - Increased moisture absorption - Reduced compaction for consistency
			Turf Pro League Red	All Season	Granular	Calcined Clay Sportsfield Formulation	- Well-balanced formulation - 12-16 week release - DDP micros for great colour
			Turf Quick Dry	All Season	Granular	Fine Particle Calcine Clay Sportsfield Formulation	- Absorbs water extremely quickly - Recovers from rain in minutes - Won't harden or cake



Golf Course Accessories

Our complete line of golf accessories and equipment includes the most popular items from Par Aide, Standard Golf, Bayco, JRM Inc., Sandtrapper, and many more. We ensure these items are in-stock and available to our customers.

Like our suppliers, we are committed to finding the best product at the best price for our customers.





Par Aide

Since 1955, Par Aide® has been providing superior golf course accessories "Wherever Golf is Played." The family-owned company offers a full line of premium golf course accessories, including tee, green and practice area products, tools, and signage. Throughout the 60+ year history of the company, the focus has remained squarely on the customer and assisting golf course management in creating an ideal experience for the golfer. This is achieved by enhancing their facility with trustworthy and innovative golf course accessories that meet or exceed the expectations of both the golf course and golfer alike.

What sets Par Aide apart is our natural instinct to listen to our customers' needs, and through listening we in turn INNOVATE. To us, innovation takes on many forms, with every innovation designed to make our customers' jobs easier. We innovate whole products, from start to finish, to provide solutions no other company can match: the 360 Hole Painter, Dura-Flex Signs, and most recently the AccuForm AccuSeed are all examples of this process. But we don't stop there, we continue to look at existing products and challenge ourselves to find better solutions, make improvements and innovate. Products like the AccuForm Ace II Bunker Rake, the grooved flagstick ferrule and the Ever-White Putting Cup were all born when we asked ourselves, "How can we make a better bunker rake (flagstick or putting cup)."

In each of the Canadian markets where BrettYoung represents Par Aide, that representation thrives because of the goal to see our customer succeed that both Par Aide and BrettYoung share. Additionally, it is the expertise and product knowledge of the Par Aide line of products, the passion for the golf industry, and the overall professionalism of the organization that makes our partnership with BrettYoung excel.

For more information, visit www.paraide.com.

Bayco Golf

Bayco Golf Course Accessories and BrettYoung Seeds have the good fortune of sharing the same city to host our head offices. The convenience of our geographical synergy allows for a customer service level second to none. But we share much more than that.

We share our commitment to high-quality products, a dedication to the golf industry, and, of course, our commitment to excellent customer service. We achieve all these by surrounding ourselves with excellent people with the same collective vision.

When golf course customers decide on the Bayco Brand, they do so with confidence. Bayco Golf has been servicing the industry for 30+ years, most of those in partnership with the management and staff at BrettYoung. We collectively are looking forward to the next 30+ years of growth, innovation, and commitment.

For more information, visit www.baycogolf.com.

Standard

Founded more than 100 years ago in Cedar Falls, Iowa, Standard Golf® Company is the world's oldest continually operated maker of golf course accessories, providing products and services for golf course superintendents, pro shops and driving ranges. Today, Standard Golf is the world's leading manufacturer of golf course accessories.

In-stock and customized accessories include flags and flagsticks, bunker rakes, ball washers, course signs, cups, litter receptacles and yardage markers.

For more information, visit www.standardgolf.com.





Greenleaf

Greenleaf Technologies, located in Covington, Louisiana, was founded in 1985 as a supplier of advanced spraying equipment. In 1995, Greenleaf Technologies and Agrotop GmbH formed a partnership to bring high-tech spray nozzles to North America. TurboDrop air-injected nozzles began the low-drift venturi nozzle revolution in both the agricultural and golf course industries. The award-winning TurboDrop XL nozzle combines the coverage of an extended-range flat-fan nozzle with the drift control of a flood-style nozzle.

The introduction of the TurboDrop TwinFan in 2005, advanced the technology for the turf industry by spraying the target two times in one pass, from the front and from the rear, further enhancing coverage, while still providing an excellent level of drift control and keeping expensive spray materials on target. The TurboDrop DualFan (TDAD) replaced the TwinFan in 2011, providing the same double coverage and allowing for greater variation in boom height, while maintaining uniform spray distribution across the length of the boom. By design, these nozzles are more plug resistant than other twin-fan nozzles.

A boomless air-injected nozzle for applying fertilizers more efficiently on fairways was introduced in 2010. The Boom85TD can cover more acres in a shorter time than a standard boom sprayer, and delivers a more drift-resistant spray and a more uniform pattern than other boomless nozzles.

In 2009, Greenleaf Technologies selected BrettYoung to distribute our products to the golf course market in Canada. We look forward to continued growth in the Canadian golf course market in the years to come.

For more information, visit www.greenleaftech.com, or call 1-800-881-4832.

*All models available in various mounting options. Add "C" after TD for Canonic.

Model	Height (ft)	Fan Type	Nozzle Spacing (in)	Nozzle Capacity (gpm)	GALLONS PER THOUSAND SQ FT BASED ON 30" NOZZLE SPACING									
					30"	40"	50"	60"	70"	80"	90"	100"	110"	120"
TDXL110015* Standard TurboDrop (Use 100 mesh)	30	C	M	0.13	0.44	0.35	0.30	0.25	0.22	0.20	0.18	0.16	0.15	
	40	C	M	0.15	0.51	0.41	0.34	0.29	0.26	0.23	0.20	0.19	0.17	
	50	M	M	0.17	0.57	0.46	0.38	0.33	0.29	0.25	0.23	0.21	0.19	
	60	M	M	0.18	0.63	0.50	0.42	0.36	0.31	0.28	0.25	0.23	0.21	
	70	M	M	0.20	0.68	0.54	0.45	0.39	0.34	0.30	0.27	0.25	0.23	
TDAD015* DualFan TurboDrop (Use 100 mesh)	80	M	F	0.21	0.72	0.58	0.48	0.41	0.36	0.32	0.29	0.26	0.24	
	100	F	F	0.24	0.81	0.65	0.54	0.46	0.40	0.36	0.32	0.29	0.27	
	30	C	C	0.17	0.59	0.47	0.39	0.34	0.30	0.26	0.24	0.21	0.20	
	40	C	M	0.20	0.68	0.55	0.45	0.39	0.34	0.30	0.27	0.25	0.23	
	50	M	M	0.22	0.76	0.61	0.51	0.44	0.38	0.34	0.30	0.28	0.25	
TDXL11002* Standard TurboDrop (Use 50 mesh)	60	M	M	0.24	0.83	0.67	0.56	0.48	0.42	0.37	0.33	0.30	0.28	
	70	M	M	0.26	0.90	0.72	0.60	0.52	0.45	0.40	0.36	0.33	0.30	
	80	M	F	0.28	0.96	0.77	0.64	0.55	0.48	0.43	0.39	0.35	0.32	
	100	F	F	0.32	1.08	0.86	0.72	0.62	0.54	0.46	0.43	0.39	0.36	
	30	VC	C	0.22	0.74	0.59	0.49	0.42	0.37	0.33	0.30	0.27	0.25	
TDXL110025* Standard TurboDrop (Use 50 mesh)	40	VC	C	0.25	0.85	0.68	0.57	0.49	0.43	0.38	0.34	0.31	0.28	
	50	C	M	0.28	0.95	0.76	0.63	0.54	0.48	0.42	0.38	0.35	0.32	
	60	M	M	0.31	1.04	0.83	0.70	0.60	0.52	0.46	0.42	0.38	0.35	
	70	M	M	0.33	1.13	0.90	0.75	0.64	0.56	0.50	0.45	0.41	0.38	
	80	M	M	0.35	1.20	0.96	0.80	0.69	0.60	0.54	0.48	0.44	0.40	
TDXL11003* Standard TurboDrop (Use 50 mesh)	100	M	F	0.40	1.35	1.06	0.90	0.77	0.67	0.60	0.54	0.49	0.45	
	30	XC	C	0.26	0.89	0.71	0.59	0.51	0.44	0.39	0.35	0.32	0.30	
	40	VC	C	0.30	1.02	0.82	0.68	0.58	0.51	0.45	0.41	0.37	0.34	
	50	C	M	0.34	1.14	0.91	0.76	0.65	0.57	0.51	0.46	0.42	0.38	
	60	C	M	0.37	1.25	1.00	0.83	0.72	0.63	0.56	0.50	0.46	0.42	
TDAD03* DualFan TurboDrop (Use 50 mesh)	70	M	M	0.40	1.35	1.08	0.90	0.77	0.68	0.60	0.54	0.49	0.45	
	80	M	M	0.42	1.45	1.16	0.96	0.83	0.72	0.64	0.58	0.53	0.48	
	100	M	F	0.47	1.62	1.29	1.08	0.92	0.81	0.72	0.65	0.59	0.54	
	30	XC	C	0.35	1.18	0.94	0.79	0.67	0.59	0.52	0.47	0.43	0.39	
	40	VC	C	0.40	1.36	1.09	0.91	0.78	0.68	0.61	0.55	0.50	0.45	
TDXL11004* Standard TurboDrop (Use 50 mesh)	50	C	M	0.45	1.52	1.22	1.02	0.87	0.76	0.68	0.61	0.55	0.51	
	60	C	M	0.48	1.67	1.34	1.11	0.95	0.83	0.74	0.67	0.61	0.56	
	70	M	M	0.53	1.80	1.44	1.20	1.03	0.90	0.80	0.72	0.66	0.60	
	80	M	M	0.57	1.93	1.54	1.28	1.10	0.96	0.86	0.77	0.70	0.64	
	100	M	M	0.63	2.15	1.72	1.44	1.23	1.08	0.96	0.86	0.78	0.72	
TDXL11005* Standard TurboDrop (Use 24 mesh)	30	XC	VC	0.43	1.48	1.18	0.98	0.84	0.74	0.66	0.59	0.54	0.48	
	40	XC	C	0.50	1.71	1.36	1.14	0.97	0.85	0.76	0.68	0.62	0.57	
	50	VC	C	0.56	1.91	1.53	1.27	1.09	0.95	0.85	0.78	0.69	0.64	
	60	VC	M	0.61	2.09	1.67	1.39	1.19	1.04	0.93	0.84	0.76	0.70	
	70	C	M	0.66	2.26	1.80	1.50	1.29	1.13	1.00	0.90	0.82	0.75	
TDAD05* DualFan TurboDrop (Use 50 mesh)	80	C	M	0.71	2.41	1.93	1.61	1.38	1.21	1.07	0.96	0.88	0.80	
	100	M	M	0.79	2.70	2.16	1.80	1.54	1.35	1.20	1.08	0.98	0.90	
	30	XC	VC	0.52	1.77	1.42	1.18	1.01	0.89	0.79	0.71	0.64	0.59	
	40	XC	VC	0.60	2.05	1.64	1.36	1.17	1.02	0.91	0.82	0.74	0.68	
	50	XC	C	0.67	2.29	1.83	1.53	1.31	1.14	1.02	0.92	0.83	0.76	
TDXL11006* Standard TurboDrop (Use 24 mesh)	60	VC	C	0.74	2.51	2.00	1.67	1.43	1.25	1.11	1.00	0.91	0.84	
	70	VC	C	0.79	2.71	2.17	1.80	1.55	1.35	1.20	1.08	0.98	0.90	
	80	C	M	0.85	2.89	2.31	1.93	1.65	1.45	1.29	1.16	1.05	0.96	
	100	M	M	0.95	3.24	2.59	2.16	1.85	1.62	1.44	1.29	1.18	1.08	
	30	XC	VC	0.69	2.35	1.88	1.57	1.34	1.18	1.05	0.94	0.86	0.78	
TDXL11008* Standard TurboDrop (Use 24 mesh)	40	XC	VC	0.80	2.72	2.17	1.81	1.55	1.38	1.21	1.09	0.99	0.91	
	50	XC	C	0.89	3.04	2.43	2.02	1.74	1.52	1.35	1.21	1.10	1.01	
	60	XC	C	0.98	3.33	2.66	2.22	1.90	1.66	1.48	1.33	1.21	1.11	
	70	VC	C	1.05	3.59	2.88	2.40	2.05	1.80	1.60	1.44	1.31	1.20	
	80	VC	M	1.13	3.84	3.07	2.56	2.20	1.92	1.71	1.54	1.40	1.28	
TDAD08* DualFan TurboDrop (Use 24 mesh)	100	C	M	1.26	4.30	3.44	2.86	2.45	2.15	1.91	1.72	1.56	1.43	
	30	XC	XC	0.87	2.95	2.36	1.97	1.69	1.48	1.31	1.18	1.07	0.98	
	40	XC	XC	1.00	3.41	2.73	2.27	1.95	1.70	1.51	1.36	1.24	1.14	
	50	XC	VC	1.12	3.81	3.05	2.54	2.18	1.90	1.69	1.52	1.38	1.27	
	60	XC	VC	1.22	4.17	3.34	2.78	2.38	2.09	1.85	1.67	1.52	1.39	
TDXL11010* Standard TurboDrop (Use 24 mesh)	70	XC	C	1.32	4.51	3.61	3.00	2.58	2.25	2.00	1.80	1.64	1.50	
	80	VC	C	1.41	4.82	3.85	3.21	2.75	2.41	2.14	1.93	1.75	1.61	
	100	VC	M	1.58	5.30	4.31	3.50	3.08	2.69	2.39	2.15	1.96	1.80	
	30			1.31	4.43	3.54	2.96	2.54	2.22	1.97	1.77	1.61	1.47	
	40			1.50	5.12	4.10	3.41	2.93	2.55	2.27	2.04	1.86	1.71	
TDXL11015* Standard TurboDrop (Use 24 mesh)	50			1.68	5.72	4.58	3.81	3.27	2.85	2.54	2.28	2.07	1.91	
	60	TBD	TBD	1.83	6.26	5.01	4.17	3.57	3.14	2.78	2.51	2.28	2.09	
	70			1.98	6.77	5.42	4.50	3.87	3.38	3.00	2.70	2.46	2.25	
	80			2.12	7.23	5.78	4.82	4.13	3.62	3.21	2.90	2.63	2.42	
	100			2.37	8.09	6.47	5.39	4.82	4.04	3.59	3.23	2.94	2.70	



GreenJacket

Impermeable Covers

GreenJacket® IMPERMEABLE covers are engineered to provide a high-strength, tear-resistant impermeable barrier keeping Mother Nature's elements away from the turf.

GreenJacket, with Rip Stop Reinforcement, turf protection system, provides a unique combination of patented products to protect from the harsh effects winter can have on open turf. GreenJacket impermeable covers provide protection against crown hydration, the #1 turf killer in the north. GreenJacket provides a protective impermeable barrier layer against ice damage, as it never reaches the turf! The covers are also effective against desiccation, as the winds are virtually deflected off the GreenJacket cover and away from the underlying turf. In addition to hydration, ice damage and desiccation, GreenJackets's regulated light transmission rates are able to minimize temperature fluctuations, helping to keep turf dormant during midwinter warm-ups, and control overgrowth in the spring. GreenJacket's AFS (Air Flow System) venting and insulation, bubble or foam, provides the needed process for air movement under the cover, helping to alleviate anoxic conditions. GreenJackets's unique film qualities have a life expectancy of 5+ years. By utilizing an engineered lightweight film, they are easy to handle, fold compactly, and use a minimal amount of storage space. GreenJackets come with reinforced tabs, nail stakes and washers, vacuum preventer pads and a roll of patch tape.

We would encourage that you try the GreenJacket impermeable cover so you can see firsthand the results compared to the permeable type cover when you are looking for winter protection of turf. However, if you are looking for frost protection or looking to accelerate heating up soil temps and encouraging growth, our PERMEABLE Grow-in cover is perfect.

Permeable Covers

GreenJacket PERMEABLE Turf Covers are the ideal covers for just about every condition. When heat is wanted to assist the turf and soil in warming up, the GreenJacket permeable turf cover acts with the sun's power to create a greenhouse effect. However, being permeable, the cover will allow the turf and soil to breath but, at the same time retain moisture and dramatically increase the sun's ability to heat up the underlying turf. Perfect for jump-starting newly established turf and root development, the permeable covers are also great for overnight frost protection, helping to eliminate tee time starting delays in the late fall and early spring. GreenJacket permeable turf covers are made of an uncoated 2.5oz woven poly material that is UV resistant and will perform for years. Available in width increments of 9 feet and length of 5 feet. GreenJacket Permeable covers come with sod staples and storage bags.

For more information, visit www.greenjacket.com.

JRM, Inc.

JRM, Inc., headquartered in Clemmons, NC, was established in 1992 with its first run of tines being sold in 1994. Since then they have been selling high-quality products through dealers and distributors all over the world. JRM is committed to their customers. JRM has been on the customer's side of the fence and understands that when you use our products you are placing great trust in us.

At JRM Inc., the goal is to provide the turfgrass maintenance industry with the finest products possible. They are committed to continually challenging the current technology and the quality of materials and design. JRM is also focused on developing new and unique products that will improve the turfgrass industry and ease the task of maintaining and improving your facility.

When you use a JRM product, we understand that you are placing great trust in us as well as our products.

For more information, visit www.jrmonline.com.





BWI

BWI is a family-owned business based in Calgary, and since 2005 we specialize in providing and manufacturing of industrial and commercial fabrics and bags.

We take great pride in our ISO-9001 2008 Quality system and have extended the same practices to our sister plant in Vietnam.

With having the capabilities to work side by side with our overseas manufacturing it allows us to keep our products competitive while not losing quality.

BWI is a leader and innovator when it comes to Fabric and Bags. Our brand Grid-Lock Green Covers have been used successfully throughout Western Canada and the partnership with BrettYoung has been very successful.

For stock sizes and custom options for any green, the Grid-Lock cover through BrettYoung has become the superintendent's choice for permeable greens covers across Western Canada.

For more information, visit www.BWI-1.com.

Turf Covers

Category	Company	Product	Key Features
Permeable	BWI	Grid-Lock	- 1.7 oz breathable cover - Light weight, easy to handle - Excellent for spring green up
	Evergreen	Original	- Vented to allow air and water flow - Light weight, easy to handle - Designed to last 3-7 years
	GreenJacket	Permeable	- White in colour - Light weight, easy to handle
Impermeable	Evergreen	Ice Shield	- Single piece construction - Heat-sealed seams - Ice can be easily removed from surface
	GreenJacket	Impermeable	- True impermeable cover - Prevents ice from forming on turf - Excellent desiccation prevention
Insulating Materials	GreenJacket	Bubble insulation	- 10 mm clear poly for strength under snow - Aids in providing air gap and insulation - Cost effective
	Profile	Futerra TRM	- Long-lasting insulating material - Black in colour for spring green up - Provides best air gap under cover



Equipment & Sportsfield Products

BrettYoung has an extensive selection of sportsfield equipment. Whether you're looking for grooming and sweeping equipment, paint to mark our lines on synthetic or natural turf fields or even mound and plate packing clays, we have partnered with innovative companies to bring you the products and equipment.



LINEMARK INTERNATIONAL



Linemark International

The No. 1 Award Winning Line Marking System

Through its co-operation with Linemark International in Denmark, BrettYoung is selling the most innovative and advanced paints for the marking out of lines on natural and synthetic grass and hard surfaces.

Achieving the brightest, whitest lines and highly visual colours, whilst simultaneously reducing the cost of marking, is now a reality thanks to combining innovative chemistry and a technologically advanced application system.

For the first time, groundsmen, equipment designers and paint formulation chemists were brought together with three key objectives:

- To create a unique, line marking paint that provides the brightest, whitest, longest-lasting lines
- To develop a range of machines that both improve paint delivery and reduce the cost of application
- To deliver environmentally responsible, easy-disposal packaging

All three objectives were achieved with the **Impact Paint System**.

Impact paint and **iGO** spray machines are now gaining foothold throughout the industry in Canada. Local authorities, contractors, schools, and sports clubs have all benefitted. Experience and success in the field is substantiated and supported by independent feedback from key figures in our industry.

And it's not just proven performance in Canada. A huge number of world-famous clubs around the globe have recognized the positive difference and switched their line marking program to the **Impact Paint System**.

For more information, visit www.linemarkinternational.com.



With the iGO machines and the Impact XP paint, line marking has never been easier. The Impact XP is ready to use and with as little as 1.2 litres, you can over-mark one football pitch. Line marking has never been easier, more efficient, or more economical!

Turfce

For more than 50 years, the Turface Athletics™ brand has been providing the sportsfield market with the number 1 conditioner for safe and playable fields. Manufactured by Profile Products in Blue Mountain, Mississippi, Turface's infield conditioners, mound and plate packing clays, and turf maintenance products help prevent rainouts, revive stressed turf, and create safe surfaces for athletes at all levels. Turface provides not only industry-leading products, but gives coaches and groundskeepers the education and distributor locations needed to make sure they can play all of their games between opening day and the championship game.

For more information, visit www.turfce.com.



Moundmaster Blocks

Gray # BFMMG
Red #BFMMR

For batter's box, catcher's area, and to build up the pitcher's mound. Builds a base of soil so players cannot dig in and create craters.
8 blocks/bag
304 blocks/pallet

Build Your Mound and Plate Right

No two areas of the diamond receive more abuse and constant wear than the pitcher's mound and the batter's and catcher's boxes. Make sure they are built and maintained properly with the best, virgin clay blocks in the industry.

- 100% pure virgin clay blocks deliver long-lasting performance
- Blocks are sized perfectly for building boxes and the mound from the ground up
- Packaged as 8-block sets in water-tight bags to retain proper moisture
- Pliable construction makes it easy to mould into just the right form





TIP Inc.

TIP Inc. is a family-owned company, committed to providing quality and innovative turf-maintenance equipment to superintendents for over 20 years. Over those years, TIP has listened to the needs of the customer and developed machines that are robust, reliable and work as intended. TIP Inc. prides itself on bringing quality tools for the turf professional. Every machine built is tested before shipping, so customers can be assured it will be ready to work when you receive it. TIP Inc.'s machines are used all over the world with extremely high customer satisfaction. As a partner with BrettYoung, our machines are available across Canada and backed by their service team to assure you will have a machine that will give you years of reliable service.

For more information, visit www.tipinc.net.



The New **T.I.P. MARS Sweeper** is lighter than its predecessor, the SW-48. The MARS has a smaller holding capacity than the SW-48, while still utilizing the same incredible 48" pick-up system, and with its independent lightweight design, can be pulled by just about anything.



The Original **T.I.P. Groom-It Brush** is the most effective method to brush sand into aeration holes. Shown here brushing the base layer sand during an artificial surface installation with stiffer synthetic brush set-up. This step is followed by adding one inch of crumb rubber.

The Groom-It options make it flexible to use, whether on greens, fairways, sportsfields or installation and maintenance of synthetic turf.



The standard of the industry, the **T.I.P. Spiker/Seeder is 48"** wide. It improves water usage, makes overseeding an easy job, creates the environment for higher germination rates, and relieves surface compaction for more efficient gas exchange and better water reception.

Best built in the business!

Draingarde Inc.

Draingarde® covers are the newest Best Management Practice product for catch basins, sprinklers and yardage markers. Developed, tested and patented by an environmental award winning golf course superintendent. Draingarde Inc. is a Canadian based company providing a solution based product for today's golf course superintendent and landscape professionals.

Draingarde covers provide a solution to prevent point source pollution of chemicals and fertilizers to the watershed. As well as, protecting sprinklers heads and yardage markers from being impacted during topdressing, aerifying and spraying dyes and pigments.

Draingarde covers are; affordable, reusable, durable, and stackable, weighted and colour coded for efficiency. Draingarde® covers are simple and easy to use, saving the superintendent time and money by eliminating costly cleanup, repair or replacement as well as the potential liabilities associated with water pollution.

For more information, visit www.draingarde.com.



Erosion Control

We have a complete product lineup of sprayable erosion control products, erosion control blankets, wattles, and ESPs (Engineered Specific Products).

Depending on site locations, soil types, angle, slope length, weather events and ultimately the expectations and needs for erosion control and establishment of species, our products are engineered for specific uses and performance capabilities and factors.





Profile

Profile™ Products manufactures and distributes proven solutions that help you thrive in a competitive environment while enhancing the natural environment of the sites you serve. As the world's largest manufacturer of hydraulically applied erosion control technologies, Profile's mission is to consistently help establish sustainable green space through water and soil management and plant establishment. Profile accomplishes this by bringing knowledgeable people, proven products, groundbreaking technology and personal services to project sites around the globe to holistically meet real world expectations—assuring success on every job.

Profile erosion and vegetative solutions include a wide range of products to prevent erosion and establish vegetation for the golf course, transportation, landfill, and commercial and residential development markets. Profile Products continues to grow and will provide "Solutions for your Environment."

For more information, visit www.profileproducts.com.



Erosion Control Products

Category	Company	Product	Application	Slope	Maximum Continuous Slope Length	Conditions	Rate (lbs/ac)
Mulch	Profile	Terra-Wood	General Seeding	<2.5:1 <3:1 <4:1	35 ft	Moderate Sites	2,500 2,000 1,500
		Terra-Wood W/Tacking Agent 3	General Seeding	<2:1 <2.5:1 <3:1	40 ft	Moderate Sites	2,500-3,500 2,000 1,500
		Promatrix	<9-12 month control	>2.5:1 and <2.1:1 >3:1 and <2.5:1 >4:1 and <3:1 4:1	80 ft	Critical Sites	3,500 3,000 2,500 2,000
		Flexterra HP FGM	12-18 month control	>1:1 >2:1 and <1:1 >3:1 and <2:1 <3:1	70 ft	Critical Sites	4,500 4,000 3,500 3,000
		CocoFlex Extended Ter.	18-24 month control	>1:1	100 ft	Critical Sites	4500



Erosion Control Products

Category	Company	Product	Analysis		Product Information, Applications, Rates	Size	lbs per 100 Gallons
Sprayable	Profile	Terra-Wood with Ultra Gro	100% Thermally Refined Wood Fibre		<ul style="list-style-type: none"> - Contains 100% thermally refined wood fibre, with Ultra Gro - A proprietary bio-stimulant to ensure healthy growth even under harsh conditions - Application rates 1,500–3,500 lbs per acre depending on use 	50 lb	50 lbs per 100 gallons
		Terra-Wood with Tacking Agent 3	100% Thermally Refined Wood Fibre with the Industry's Leading Tackifier		<ul style="list-style-type: none"> - Thermally refined wood fibre - Up to 50% more water-holding capacity than atmospherically refined mulches - Contains Tacking Agent 3 for superior erosion control - Application rates 1,500–3,500 lbs per acre depending on use 	50 lb	50 lbs per 100 gallons
		ProMatix EFM	100% Thermally Refined Wood Fibres with Patented Engineered Fiber Matrix™ (EFM™) Technology		<ul style="list-style-type: none"> - The next generation in bonded fibre matrix technology - >95% effective erosion control + rapid germination and vegetative establishment - Application rates 2,000–4,000 lbs per acre 	50 lb	60 lbs per 100 gallons
		ProGanics BSM	Recycled and Renewable Bark and Wood Fibres with Biotic Soil Amendment Ingredients and Soil Building Components		<ul style="list-style-type: none"> - Topsoil alternative for challenging sites where hauling soil is impractical - Abundant source of organic matter to improve growing conditions - A naturally derived, renewable component for sustainable solutions 	50 lb	75 lbs per 100 gallons
		Flexterra HP FGM	Thermally Processed Wood Fibres, Cross Linked Wood Fibres, Cross Linked Hydro-Colloid Tackifiers, Proprietary Crimped Interlocking Fibres		<ul style="list-style-type: none"> - 99% effectiveness at all major testing laboratories - Provides slope protection by direct bonding to the soil - Application rates of 3,000–4,500 lbs per acre - Designed for the toughest slopes and conditions, up to 1:1 	50 lb	50 lbs per 125 gallons
		CocoFlex ET-FGM	Thermally Processed Wood Fibres, Coconut Fibres, Proprietary Cross-Linked Hydro-Colloiad Tackifiers, Proprietary Crimped Interlocking Fibres		<ul style="list-style-type: none"> - Unprecedented erosion control for up to two years - The longest-lasting applied erosion control product available - Application rates 3,000–4,500 lbs per acre - For slopes of 3:1–1:1 depending on site conditions 	50 lb	50 lbs per 125 gallons
	Hydrostraw	HydroStraw Original	80% Straw Fibre 5% Cellulose 4.8% Natural Fibres 0.2% Soil Stabilizer		<ul style="list-style-type: none"> - Load 50% more HydroStraw in a tank-mix than conventional mulches - Application rates 2,000–4,000 lbs per acre depending on use - For use up to 2:1 Slopes 	50 lb	75 lbs per 100 gallons
		HydroStraw Guar Plus	78% Straw Fibre 4% Cellulose 4% Natural Fibres 3% Guar-Based Tackifiers		<ul style="list-style-type: none"> - Like HydroStraw with the added loading capacity - With 3% guar tackifier for additional performance - Application rates 2,000–4,000 lbs per acre 	50 lb	75 lbs per 100 gallons
		HydroStraw BFM	67% Straw Fibre 2.5% Cellulose 10% Natural Fibres 10% Proprietary Tackifiers		<ul style="list-style-type: none"> - Recommended for difficult sites and adverse conditions - Where extra erosion prevention is required - 3:1 (H:V) – 1:1 (H:V) - Application rates 3,000–4,500 lbs per acre 	50 lb	75 lbs per 100 gallons

Erosion Control Products

Category	Company	Product	Analysis	Product Information, Applications, Rates	Size	
Blankets	Profile	Futerra Environet Erosion Control Revegetation Blanket	Bonded Fibre Blanket - Green Or Natural	- Easily applied, Futerra Environet is ideally suited for slopes and environmentally sensitive sites - Lighter, easier to cut, and requires fewer man-hours of installation than other blankets	82" x 135' 40" x 135'	922.5 sq ft 450 sq ft
		Futerra F4 Netless Erosion Control Revegetation Blanket	Bonded Fibre Blanket - Green Or Natural	- Easily applied, Futerra F4 Netless is ideally suited for slopes and environmentally sensitive sites - The netless design eliminates concern for environmental, aesthetic or maintenance issues	6.5' x 90' 3.25' x 90'	585 sq ft 292.5 sq ft
	Western Excelsior	Western Excelsior Single-Sided Straw ECB	100% Certified Weed-Free Agricultural Straw, Single-Sided Netting	- Cost effective erosion control blanket - Up to 12 months of erosion control protection - Up to 3:1 (H:V) slope protection	8' x 112.5'	900 sq ft
		Western Excelsior Double-Sided Straw ECB	100% Certified Weed-Free Agricultural Straw, Double-Sided Netting	- Cost effective erosion control blanket - Up to 12 months of erosion control protection - Up to 2:1 (H:V) slope protection	8' x 112.5'	900 sq ft
		Excel Double-Sided Straw Coconut ECB	30% Coconut Fibres and 70% Certified Weed-Free Agricultural Straw, Double-Sided Netting	- Straw and coconut mixture for long-lasting erosion control - Up to 24 months of erosion control protection - Up to 2:1 (H:V) slope protection	8' x 112.5'	900 sq ft
		Excel Double-Sided Coconut ECB	100% High-Quality Coconut Double-Sided Netting	- 100% coconut blanket for the longest lasting erosion control - Up to 36 months of erosion control protection - Up to 1:1 (H:V) slope protection	8' x 112.5'	900 sq ft
Excel Straw Logs/Wattles For Sediment Control	100% Certified Weed-Free Agricultural Straw	- Reduction of sediment washout and hydraulic shear - Cleans run-off water to prevent further erosion - Available in other sizes as special order as well	9" x 25'	25 linear feet		
Tackifier	Profile	Tacking Agent 3	Polyacrylamide Flocculant & Hydro-Colloid Polymers	- Powerful tackifier, no cure time required - Increases water-holding capacity of all types of mulches - 30-60 lbs per acre or add 3% by weight to any mulch	50 lbs	treats 1,666 lbs of mulch

Category	Company	Product	Product Information	Size / Quantity
Accessories	Profile	Round Top Pin Driver	- Fast action, up to 40% labour savings vs manual staples - Reach up to 8 feet of fabric from one location - Jamming eliminated due to centre-driven plunger	Each
		Round Top Pins	- Faster and easier to install vs staples - Less mower damage by completely going into soil - Penetrates hard soils much better vs loose staples	6" x 11 gauge x 1,000 per case
		Round Top Bio Pin	- 100% biodegradable in one year - Has pull-out strength of an 8x8" gauge staple - Easy and fast installation	5" x 500 per box
	VivaGreen	GreenStake Biodegradable	- Naturally biodegrades in the soil - Very strong, can work in toughest conditions - 18-month lifespan	6" x 500 per box
	Industry Standard	Factor-L Loose Staples	- Loose staples	6" x 1" x 1,000 per box



*BrettYoung*TM

Committed to You

PROFESSIONAL TURF & RECLAMATION PRODUCTS

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