

HGT® Sod

Golf, Multi-Use Sports Fields, Parks, & Lawns



A-LIST Certified



Aggressive Growth



Multi-Disease Resistant



Extremely Traffic Tolerant



Heat Tolerant

Key features

- Featuring Barvette HGT, an NTEP standard variety scoring consistently at the top for multiple trial cycles.
- Also includes Barserati, ranking in the overall top group of NTEP with excellent scores in traffic and disease resistance.
- Tolerates a wide range of common and destructive bluegrass diseases
- Unmatched Summer Patch resistance
- Fast recovery from heavy amounts of traffic or damage
- Fine textured, uniform turf
- Early spring green-up
- Now certified by the Alliance for Low Input Sustainable Turf (A-LIST)

Diseases, pests, and excessive traffic wreak havoc on turf grass across the country. We developed HGT and its components in harsh climatic conditions, specifically to withstand these pressures, seen and felt by many of our end users. HGT Sod offers a plug and play solution to transform your field, golf course, or lawn seemingly overnight, to take advantage of the many long lasting benefits this one-of-a-kind bluegrass offers.



Technical Information

Uses

HGT Sod is ideal for the transition zone and other areas that experience high heat and humidity. Winning awards year in and year out, HGT especially shines as a sports turfgrass base, providing the extreme traffic tolerance and recovery managers need. While HGT has a lighter color than most bluegrasses, it is very distinct in the way it is able to stripe, with contrasting light and dark areas, making it a premier grass for world-class events.

Resistant to Summer Patch

Summer Patch is so destructive it can wipe out Kentucky bluegrass completely. Barvette HGT redefined what it meant to really be resistant to Summer Patch, often sprawling into other plots within the National Turfgrass Evaluation Program tests. "Barvette HGT was the top TW entry in the transition zone region, probably because of its excellent Summer Patch tolerance" Kevin Morris, executive director of NTEP states. HGT is the first bluegrass that can withstand or recover very quickly from this disease, while other products may fade faster and are slow to regain their form; often too late for highly demanding turf applications.

Traffic Resilient

As mentioned, HGT not only tolerates traffic but it recovers very quickly from traffic damage. In research studies at Michigan State University, HGT was compared to other high-ranked Kentucky bluegrasses. In every trial, HGT did considerably better than other popular varieties, like Midnight. Likewise in the NTEP traffic stress test, HGT came out head and shoulders above other entries both at Michigan State University and Rutgers University trials. These results are the byproduct of our strenuous selection factors within our breeding program, set to provide genetics that withstand even the harshest of demands.

Trial Data

2021-24 SETRC Bluegrass Traffic Trial

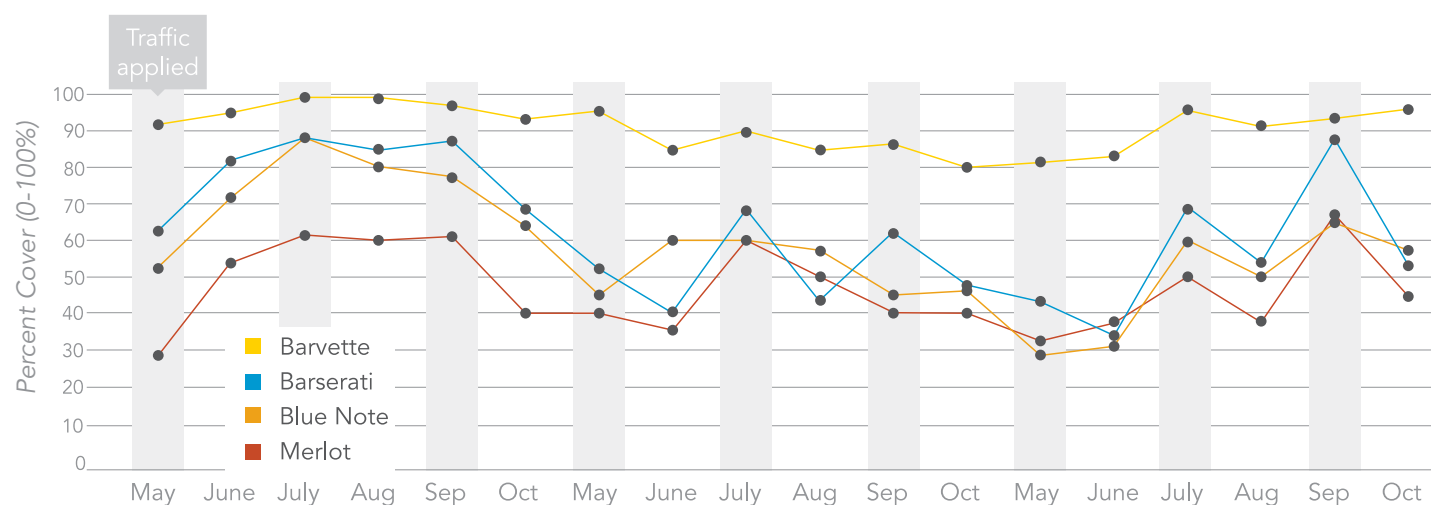
VARIETY	ESTABLISHMENT	Non-trafficked			Percent Cover: Traffic		Percent Cover: Recovery		
		TEXTURE	UNIFORMITY	TQ*	6/21/23	8/11/23	8/29/23	10/16/23	11/27/23
Barvette HGT	60.0	7.0	7.7	6.0	80.0	76.7	78.3	83.3	79.6
HGT Blend	63.3	6.0	6.0	6.7	76.7	71.7	76.7	81.7	76.7
365ss Blend	55.0	5.2	5.0	5.3	56.7	50.0	50.0	56.7	53.3
Barserati	55.0	6.0	5.3	6.0	63.3	53.3	53.3	61.7	57.9
Blue Note	31.7	5.2	4.2	4.3	66.7	63.3	63.3	68.3	65.4
Blue Genes Blend	53.3	4.0	4.0	5.7	55.0	43.3	53.3	56.7	52.1
L.S.D.	9.9	0.3	0.4	0.8	11.7	12.8	15.9	11.8	11.0

* (9/28/22)

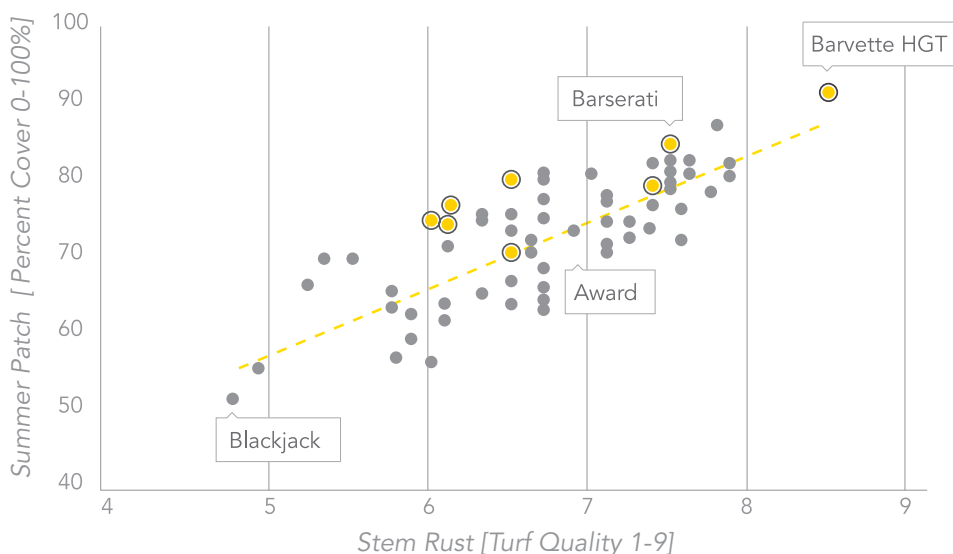
Texture, Uniformity, TQ is a scale of 1 (low) - 9 (high)

Bolded represents top statistical group

2005-10 NTEP Bluegrass Trials: Traffic Tolerance (Michigan State University)



2005-10 NTEP Bluegrass Trials: Summer Patch vs. Stem Rust Resistance



RTF® Sod

Rhizomatous Tall Fescue



High Sod Strength



Self Repairing



Deep Rooting

Key features

- Develops extensive deep root system
- Produces a thick, durable stand with improved turf density
- Saves 30% water over comparable cool season turf grasses
- Moderate salt tolerance

Rhizomes shooting from an RTF Plant



Specifications

Seeding Rate:	8-10lbs./M*
Mowing (Recommended)	2.5-3"
Mowing (Down to)	0.750"
*M=1,000 square feet	

RTF® is the market leader among unique turf-type tall fescue varieties. It gets its name by creating a mesh or large network of roots and underground stems called rhizomes.

RTF Sod is the most advanced and unique tall fescue product available, providing the benefits of rhizomes not found in any other varieties. While other spreading varieties describe "potential" rhizome development or "aggressive tillering," the deep-rooted and heat-tolerant RTF Sod has been proven to mend damaged turf and maintain both uniformity and density.



Technical Information

Uses

RTF Sod is designed to reduce overall inputs while maintaining plant density, especially in areas that are hard to grow grass! The benefits of RTF Sod are often utilized in areas like golf course bunkers, rough areas, and low maintenance sports fields and parks. Home owners appreciate its durability as a lawn grass, standing up to pets and kids alike. RTF Sod also does well in naturalized no-mow areas where little to no maintenance is the norm. With RTF available in a sod form, end users can quickly turn their grass areas into a durable surface, thriving across various environments.

Maintenance

Thankfully, most of the establishment phase is completed at the sod farm, where RTF is meticulously prepared for the eventual end user. RTF creates such a strong network of underground roots and rhizomes that a lot of growers don't even need to use sod netting! Fewer inputs and labor means a healthier environment, benefiting the sod grower and ultimate end user enjoying this turf. This strong sod quickly roots when laid down for a lawn or other athletic purposes, leading to faster establishment in its final stop. RTF will perform best when it receives at least 2 pounds of Nitrogen per thousand square feet. In the first year or so it might require up to 3 pounds of Nitrogen, depending on the soil type and intended purpose of the turf. If more recovery from traffic is needed, then more Nitrogen may need to be applied. RTF is very drought tolerant and can handle deep and infrequent irrigation. In certain regions, RTF might not even require irrigation at all! As all Tall fescue products go, the lowest input requirements will be experienced when setting mowing heights as tall as possible, usually between 3-4 inches.

Trial Data

2018 RTF Trial - Rhizome Counts

While many Tall Fescues are capable of producing rhizomes, RTF varieties are bred for rhizome count as well as length, leading to significant tillering and spreading capabilities.

VARIETY	NEW RHIZOME COUNTS - AVERAGE OF 60 PLANTS				AVG. RHIZOME LENGTH (CM)	TOTAL RHIZOME LENGTH (CM)
	2 MONTHS	4 MONTHS	6 MONTHS	TOTAL AT 6 MONTHS		
Barmesh RTF	0.1	0.8	5.2	6.1	8.7	53.3
Labarinth RTF	0.1	1.0	1.8	2.3	9.2	26.9
Barbwire RTF	0.1	1.2	3.1	4.4	4.0	17.7
Palladio	0	0.1	0.3	0.5	0.5	0.2
Barcesar	0	0.1	0.3	0.4	0	0

2018 RTF Sod Trial - Sod Strength

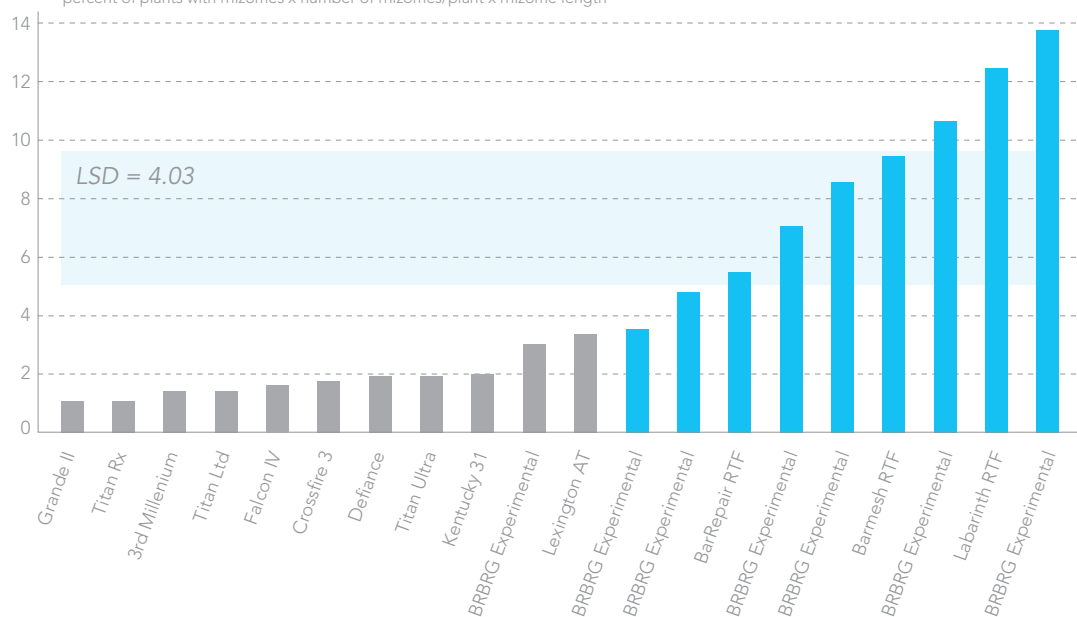
RTF produces a high quality sod with the help of its spreading rhizomes, leading to a sod that makes harvesting simpler for growers, and a safer, stable product for end users. With specially formulated RTF products, you can expect both high turf quality as well as high tensile strength.

VARIETY	2019 MEAN TQ*	SOD TENSILE STRENGTH (STS) IN LBS**
RTF	6.8	72
Thor	6.8	39
RTF Exp. 1	6.7	75
Barvado/BarRobusto	6.7	48
Barvado/BarRobusto + RTF	6.5	56
RTF Exp. 2	6.3	59
Black Beauty	6.0	39
Midnight (KBG)	5.8	83

*1-9 scale, 1 = no turf, 9 = perfect **Bold = top group** **spring 2018 plant, harvested fall 2019

Rhizomatous Index*

*percent of plants with rhizomes x number of rhizomes/plant x rhizome length



RTF®+HGT® Sod

The Best of Both Worlds for Turf Performance



Drought Tolerant



Aggressive Growth



Traffic Tolerant

Key features

- Develops extensive deep root system
- Produces a thick, durable lawn with improved turf density
- Saves 30% water over comparable cool season turf grasses
- Great traffic tolerance and recovery featuring Barvette HGT, now an NTEP standard variety with high, consistent scores
- Unmatched Summer Patch resistance

Applications

- Golf Courses
- Sports Fields
- Lawns
- Commercial
- Parks
- Cemeteries

RTF+HGT sod takes the best of both worlds; Tall fescue and Kentucky bluegrass, and combines them to create a sod that can take the heat. RTF provides the benefits of rhizomes not found in any other varieties while HGT features the NTEP standard, Barvette HGT, a variety that solves each of the major species-wide problems. This sod blend offers one of the highest levels of turf performance on the market.

Technical Information

Multi-Disease Resistance

Both RTF and HGT have independently proven themselves to be resistant to disease and insects. RTF is endophyte enhanced and HGT has shown itself to be a step above, as it has consistently ranked in the top groups in NTEP trials for Summer patch and Stem rust.

Exceptionally Strong Spring Green-up

Most bluegrasses are very slow to break winter dormancy. Barvette HGT has shown itself to be at the top of the pack and greens up early in the spring allowing earlier spring play.

Extra Value for the Turf Professional

With the aid of rhizomes, the sod anchors itself faster and water requirements are reduced. RTF also requires less overseeding and results in fewer weed problems.

Low Thatch Accumulation

Traditionally, Kentucky bluegrass has been known to be a high-thatch producing species. Even though HGT contains extremely aggressive varieties, they produce less thatch resulting in less work in the future.

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Trial Data - RTF Sod

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