

FEATURES

- Superior Dollar Spot resistance
- Excellent turf quality
- High density and fine leaf texture
- High resistance to Brown Patch, Red thread, Anthracnose, Pink Snow Mold, and Take-All Patch
- Bright, dark green color
- Fast establishment
- High resistance to Poa annua

BENEFITS

- Reduced inputs of fungicides, herbicides, and fertilizers
- Superior turf quality in all environments
- Great for blends with existing bentgrasses; 007, SR 1150, and Tye
- Excellent for greens, tees or fairways
- Less Poa annua invasion for more uniform turf
- High performance all year round

SEEDING RATES

- Seeds/lb: 6,000,000
- Seeds/kg: 13,225,000
- New Turf
 - 1 - 2 lbs/1000 ft²
 - 5 - 10 gr/m²
 - 45 - 90 lbs/acre
 - 50 - 150 kgs/hectare

ESTABLISHMENT

- Germination: 3 - 5 days (6 - 10 in cooler weather)
- First mowing: 10 - 21 days after emergence
- First limited use: 6 - 8 weeks depending on growing condition

FLAGSTICK

CREeping BENTGRASS

Flagstick Creeping Bentgrass (SRP-1WM) (*Agrostis stolonifera*) was developed by screening for superior Dollar Spot resistance over multiple years and locations in both fairway and greens trials. It is a versatile variety with high density and rapid tillering to keep out *Poa annua*. The high performance reduces expenses on fairways, tees, or greens. Flagstick is the result of 20 years of continual research, first at Michigan State, and later by Seed Research of Oregon. The long term development ensures Flagstick will have superior performance wherever you plant it on your course. Flagstick has other important benefits including high density and fine leaf texture. Combined with resistance to many important diseases including Anthracnose, Red Thread, Brown Patch, Pink Snow Mold, and Take-All Patch your inputs with Flagstick will be reduced. Flagstick shows high seedling vigor and rapid establishment.

Michigan State established a research green with Emerald creeping bentgrass in 1980 for fungicide trials. Over the course of many years they noted a number of segregating plants that differed in Dollar Spot resistance, color, texture, and density. In 1998 the best clones were pulled from the green and established in a greenhouse to evaluate growth form and Dollar Spot resistance. The superior clones were used for crossing and the best progeny selected. These superior progeny and parents were sent to Seed Research of Oregon in the summer of 2003 and placed in crossing blocks to evaluate seed yield potential, turf quality, and Dollar Spot resistance of each line. Each line was evaluated for turf quality and disease resistance in trials and on golf courses. The superior clones identified across sites were crossed in 2008 and used to produce the breeder seed of Flagstick. The final Breeder Seed was evaluated in both greens and fairways for high quality with reduced inputs in many environments across the United States for 6 years, both universities and golf courses.



Adaptation and Use

Flagstick can be used for seeding or sodding golf course greens, tees, and fairways. It can be used for interseeding existing stands of creeping bentgrass to reduce inputs. Flagstick shows superior performance in close cut greens, tees, or fairways. It blends well with other superior creeping bentgrasses from Seed Research such as 007, SR 1150 and Tye .



FLAGSTICK

CREEPING BENTGRASS

Drought Tolerance (Dormancy) Ratings of Fine Fescues 2009 - 13 NTEP Data

Turf Quality 1 - 9, 9 = Ideal Turf

<i>Cultivar</i>	<i>Mean</i>	<i>Cultivar</i>	<i>Mean</i>	<i>Cultivar</i>	<i>Mean</i>
007	6.7	Declaration	6.2	Penncross	5.2
Flagstick	6.4	Pin-Up	6.2	Princeville	5.0
Memorial	6.3	Crystal Bluelinks	6.2		
Pure Select	6.3	L-93	6.1		
Authority	6.2	Proclamation	6.0		
Luminary	6.2	T-1	6.0	LSD@5%	1.0

2008 Creeping Bentgrass Greens Trial Purdue University 2013 Results With and Without Fungicides

Turf Quality 1 - 9, 9 = Ideal Turf

<i>Cultivar</i>	<i>TQ Sum 2013 NF</i>	<i>TQ 2013</i>	<i>Cultivar</i>	<i>TQ Sum 2013 NF</i>	<i>TQ 2013</i>	<i>Cultivar</i>	<i>TQ Sum 2013 NF</i>	<i>TQ 2013</i>
Flagstick	6.9	6.6	Authority	4.7	6.1	Pure Distinction	3.7	5.9
Crystal Bluelinks	6.4	6.3	V-8	4.7	6.5			
Declaration	6.3	6.0	T-1	4.6	5.9			
Penn A-1	5.0	5.9	Alpha	4.4	5.7			
Penn A-4	4.7	5.7	Penncross	4.3	4.8	LSD@5%	0.8	0.5

2011 Putting Green Trial Rutgers University, NJ

1 - 9, 9 = Best

<i>Cultivar</i>	<i>2014 TQ</i>	<i>Spring Green Up</i>	<i>Dollar Spot 2014</i>	<i>Cultivar</i>	<i>2014 TQ</i>	<i>Spring Green Up</i>	<i>Dollar Spot 2014</i>
Flagstick	6.1	7.3	7.7	Pin-Up	4.0	6.3	5.1
Luminary	5.7	7.3	6.5	Penn A-1	3.8	5.7	5.0
Declaration	5.4	7.0	7.2	T-1	3.1	5.7	5.2
Proclamation	5.3	5.3	7.0	Penncross	2.1	5.0	4.8
Authority	4.8	5.3	6.5				
Pure Select	4.6	5.0	5.9				
Pure Distinction	4.6	5.3	4.9	LSD@5%	1.0	1.6	1.4

To determine whether a cultivar's performance is different from another, subtract one entry's mean from another entry's mean. If this value is larger than the LSD value, the observed difference in cultivar performance is significant and did not happen by chance. Complete tables are available upon request.