SEED RESEARCH OF OREGON

The germination of ideas

FEATURES

- **Superior turf quality**
- **Highly competitive against Poa *annua***
- **Excellent winter color with no purpling**
- **Enhanced Dollar Spot resistance**
- **Bright, dark green color**
- **Vigorous, uniform, moderately dense growth**
- **Heat tolerance**
- **Uses: Ideal for greens, tees, and fairways**

BENEFITS

- **Reduced fungicide use**
- **Versatile for use on greens, tees and fairways**
- **Improved Brown Patch resistance**
- **High performance all year around**
- **Reduced maintenance costs**

SEEDING RATES

- **Seeds/lb: 6,000,000**
  Seeds/kg: 13,228,000
- **New turf:**
  1–1.5 lbs/1,000 sq ft
  45–65 lbs/acre
  5–7.5 gr/m²
  50–75 kgs/hectare
- **Overseeding/Interseeding:**
  2–3 lbs/1,000 sq ft
  90–135 lbs/acre
  10–15 gr/m²
  100–150 kgs/hectare

ESTABLISHMENT

- **Germination: 3–5 days (6–10 in cooler weather)**
- **First mowing: approximately 21 days, depending on usage**
- **First limited use: 6–8 weeks depending on conditions**

007

CREEPING BENTGRASS

007 creeping bentgrass (experimental 'DSB') is an advanced generation creeping bentgrass variety developed by the New Jersey Agricultural Experiment Station (Rutgers University) working in cooperation with Richard Hurley, Ph.D.

007 creeping bentgrass has a broad genetic base developed using twenty four parent plants, including plants identified from the varieties L-93 and Southshore. Additional clones were collected from older greens on high stress golf courses in the northeast USA. This new, improved variety is well adapted to any U.S. and overseas areas where creeping bentgrass is being utilized for golf course greens, tees and fairways.

Uses

Recommended uses for 007 creeping bentgrass include seeding or sodding golf course putting greens, tees, and fairways on new and renovated, as well as in overseeding conversions on greens planted to older, poor performing varieties that need to be updated. This new creeping bentgrass variety adapts well for low mowing on greens, as well as for reduced fungicide management on fairways and tees. Hurley says, "If you liked the performance of our L-93 variety, the new 007 creeping bentgrass is even better". Enhanced Dollar Spot resistance and superior turf quality make this variety the perfect choice for all levels of golf course projects, especially those located in stressful environments – 007 will be incorporated into the Dominant blends.

All individual parental clones of creeping bentgrass used in the development of 007 were selected for improved Dollar Spot resistance, bright dark green leaf color, excellent winter color with no purpling and a vigorous, uniform, moderately dense growth habit.

007

CREEPING BENTGRASS

2003 NTEP — Putting Green Data
Quality Ratings of Creeping Bentgrass Cultivars in All Locations
2004 Data

Turfgrass Quality Ratings 1-9; 9=Ideal Turf

Cultivar	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*
007	**6.3**	**Tyee**	**6.2**	Memorial	6.1	Pennlinks II	5.7
Declaration	6.3	T-1	6.2	Kingpin	5.8	Penncross	5.2
Shark	6.3	Penn A-1	6.1	Benchmark DSR	5.8	*LSD @ 5%*	*0.2*

Performance of Creeping Bentgrass Cultivars in a Greens Trial Seeded 2002 at Rutgers University
N.J. 2003 – 2004 Data

Turf Grass Quality Ratings 1-9; 9=Ideal Turf

Cultivar	*2003-04 Avg. Quality*	*2003 Avg. Quality*	*2004 Avg. Quality*	*Cultivar*	*2003-04 Avg. Quality*	*2003 Avg. Quality*	*2004 Avg. Quality*
007	**7.0**	**7.0**	**7.0**	**Sandhill**	**4.8**	**5.4**	**4.2**
Declaration	6.4	6.8	5.9	Pennlinks II	4.8	5.6	4.1
Tyee	**6.2**	**5.6**	**6.7**	**SR 1119**	**4.4**	**5.0**	**3.8**
Benchmark DSR	5.9	6.3	5.6	Penn A-4	4.3	4.7	4.0
Kingpin	5.5	5.6	5.4	L-93	3.9	4.5	3.5
Penn A-1	5.3	5.7	4.9	Penncross	3.5	4.1	2.9
Penn A-4	4.9	4.9	4.8	Trueline	3.2	4.1	2.3
Penn G-1	5.1	5.2	5.1	*LSD @ 5%*	*0.6*	*0.7*	*0.8*

2004 NTEP — Putting Green Data
Winter Color Ratings of Creeping Bentgrass Cultivars Grown on a Green
2004 Data

Winter Color Ratings 1-9; 9=Complete Color Retention

Cultivar	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*
Tyee XD	**6.3**	Penn A-1	5.8	T-1	5.5	*LSD @ 5%*	*0.5*
007	**6.1**	Benchmark DSR	5.6	Pennlinks II	5.5		
Delaration	5.9	Memorial	5.5	Alpha	5.3		
Kingpin	5.9	Shark	5.5	Penncross	5.1		

2003 NTEP — Putting Green Data
Percent Dollar Spot Ratings of Creeping Bentgrass Cultivars on a Green at Lexington, Kentucky

Cultivar	*Percent of Dollar Spot*	*Cultivar*	*Percent of Dollar Spot*	*Cultivar*	*Percent of Dollar Spot*	*Cultivar*	*Percent of Dollar Spot*
Memorial	7.2	**Tyee**	**12.3**	LS-44	15.9	Shark	18.5
Declaration	7.3	Penn A-1	13.6	T-1	16.0	Alpha	21.6
007	**8.7**	Authority	14.5	Penncross	16.9	*LSD @ 5%*	*6.5*

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.

007

CREEPING BENTGRASS

2003 NTEP — Putting Green
Quality Ratings of Creeping Bentgrass Cultivars on a Green at Eleven Locations
Using a 9/64" to a 5/32" Mowing Heights
2004 Data

Turfgrass Quality Ratings 1-9; 9=Ideal Turf

Cultivar	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*
007	**6.6**	Shark	6.4	Alpha	6.2	Pennlinks II	5.9
T-1	6.5	**Tyee**	**6.3**	Benchmark DSR	6.1	Penncross	5.2
Declaration	6.4	Penn A-1	6.2	Kingpin	6.0	*LSD @ 5%*	*0.2*

2003 NTEP — Putting Green
Quality Ratings of Creeping Bentgrass Cultivars on a Soil Greens at Eleven Locations
2004 Data

Turfgrass Quality Ratings 1-9; 9=Ideal Turf

Cultivar	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*	*Cultivar*	*Quality*
007	**6.5**	T-1	6.2	Memorial	6.1	Pennlinks II	5.7
Declaration	6.5	Penn A-1	6.2	Benchmark DSR	6.0	Penncross	5.2
Tyee	**6.2**	Alpha	6.2	Kingpin	6.0	*LSD @ 5%*	*0.2*

2003 NTEP — Putting Green
Percent Establishment Ratings of Creeping Bentgrass Cultivars on a Green at Raleigh, NC
2004 Data

Turfgrass Quality Ratings 1-9; 9=Ideal Turf

Cultivar	*Nov 03*	*Mean*	*Cultivar*	*Nov 03*	*Mean*
007	**91.7**	**96.0**	Penncross	75.0	85.9
MacKenzie	**85.0**	**93.2**	Kingpin	78.3	85.6
Pennlinks II	81.7	90.9	Independence	70.0	83.6
Shark	80.0	90.3	Penn A-1	71.7	82.6
T-1	83.3	90.3	Declaration	68.3	80.6
Tyee	**80.0**	**88.1**	*LSD @ 5%*	*22.7*	*14.7*
Benchmark DSR	78.3	87.2			

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.