

• CREEPING BENTGRASS •

Of note...

1. Introduced in 1954, Pennncross is still widely used and was the industry standard for forty years.
2. Many improved varieties have been developed over the last twenty years with higher shoot density at low mowing heights.
3. Other improvements include disease resistance and stress tolerance.
4. Must have annual bluegrass exclusion strategy at establishment through the first five to ten years.



Creeping bentgrass (*Agrostis stolonifera*) is the premier turfgrass for golf course putting greens as a result of its ability to tolerate close mowing and provide a uniform surface. Intensive management practices are necessary to maintain

high performance standards expected on many golf courses. Routine maintenance includes frequent mowing, irrigation and fertilization, as well as preventive fungicide programs for disease management.

Creeping Bentgrass Characteristics



STOLONS: *Creeping bentgrass spreads by above-ground lateral stems called stolons. Aggressive stoloniferous growth allows it to recover quickly from damage, but also promotes thatch development.*

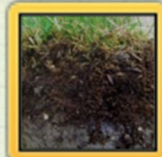


Creeping Bentgrass Characteristics



THATCH: *The aggressive growth of stolons leads to rapid thatch development, particularly in sand-based rootzones. Proper management is essential for good long term performance of greens.*

Image from Emmons/Rossi



Creeping Bentgrass Common Concerns



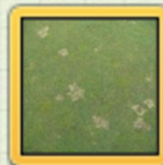
HIGH MAINTENANCE: *Creeping bentgrass requires intensive management to maintain high visual and performance standards required on putting greens.*



Creeping Bentgrass Common Concerns



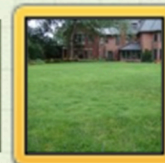
DISEASES: Preventive fungicide programs are often necessary to control pathogens which cause serious diseases such as dollarspot and anthracnose. Use of resistant varieties can reduce disease problems.



Creeping Bentgrass Common Concerns



WEED IN LAWNS: *Creeping bentgrass can become a problem in lawns where it forms a thick, spongy mat that is prone to scalping.*



Creeping Bentgrass Varieties (in alphabetical order)

PUTTING GREEN	
Variety	Turf Quality
AFM	
Authority	
Barracuda	+
Declaration	+
Focus	+
Luminary	+
Pin-Up	+
Proclamation	+
Pure	+
Distinction	
V8	+
+ = above average (6.4 – 6.9)	
blank = average (5.8 – 6.3)	

Table 9a: Compiled from NTEP 2008 Bentgrass Final Report (customized data provided by NTEP for four locations in the Northeast Region, data from 2009 - 2013).



Creeping Bentgrass Varieties (in alphabetical order)

FAIRWAY/TEE	
Variety	Turf Quality
007	+
Authority	+
Barracuda	+
Benchmark DSR	
Crystal Bluelinks	
CY-2	
Declaration	+
Luminary	+
Pin-Up	+
Proclamation	+
Pure Select	+
T1	
+ = above average (6.3 – 6.7)	
blank = average (5.8 – 6.2)	

Table 9b: Compiled from NTEP 2008 Bentgrass Final Report (customized data provided by NTEP for four locations in the Northeast Region, data from 2009 - 2013).



NTEP Update

* 2014 National Bentgrass PUTTING GREEN test is underway at 19 locations. Includes 20 varieties.

* Trait specific ancillary tests include traffic tolerance and reduced irrigation.

* 2014 National Bentgrass FAIRWAY/TEE test is underway at 19 locations. Includes 17 varieties.

* Trait specific ancillary tests include traffic tolerance, low temperature/winter tolerance, reduced irrigation and divot recovery.

