



Creeping Bentgrass

(For Putting Greens)

Agrostis stolonifera



Plant Breeder: Dr. Joseph Duich, Pennsylvania State University
Experimental Designation – PSU G-6

Penn G-6 was selected from climates in the Southern U.S. where it is hot and humid. Its fine texture, density and upright growth habit provide for a near-perfect putting surface. **Penn G-6** ranked #8 out of 29 varieties tested at twenty-three locations throughout the U.S. and Canada. (NTEP No. 01-2) **Penn G-6** also surpassed its competition in on-site testing for putting greens (NTEP No. 00-8)

Characteristics:

- Excellent disease resistance. Demonstrates a high level of Brown Patch resistance, moderate Dollar Spot and Copper Spot tolerance, good Leaf Spot resistance and moderate Fusarium Patch resistance
- Upright growth, dense turf
- Finer leaf blade width, 0.73 mm, when compared to most commercially available bentgrasses
- Increased shoot density, 2378/sq. dm
- Low fungicide requirements
- Grows well on sand or native soil greens
- Maintains year-round density

Recommended Use:

Golf Courses (putting surfaces) and Winter Overseeding of Bermudagrass Greens

Climatic Zones: 2, 3, 4, 5, 6, 7, 8, 9, 10 (may not be adaptable to all areas within each climatic zone)

Establishment & Maintenance:

Sow seed with a filler in two directions at 90° angles. Seed will germinate best when soil temperature is above 65° F (18° C). Irrigate frequently and lightly until seedlings are established. Avoid excess watering or puddling. First cutting for greens should be 1/4 inch (6.4 mm) in 30 days; 3/16 inch (4.8 mm) in 60 days; 1/8 inch (3.2 mm) in 90 days. Maintain at approximately 1/8 inch (3.2 mm)

Seeding Rates:

- | | |
|---------------------------------------|---|
| • New Construction (bare ground) | 1 - 1 1/2 lb/1000 sq ft
(1/2 – 3/4 kg/100 sq meters) |
| • Overseeding (existing greens) | 1/2 - 1 lb/1000 sq ft
(1/4 - 1/2 kg/100 sq meters) |
| • Winter Overseeding (Bermuda greens) | 1 lb/1000 sq ft
(1/2-kg/100 sq meters) |

Quality Ratings:

Table 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
2000 DATA FROM 1998 TEST
TURFGRASS QUALITY RATINGS 1-9, 9=IDEAL TURF

NAME	QUALITY MEAN
PENN A-1	6.4
PENN G-6	6.1
BRIGHTON (SRX 1120)	5.8
PICK CB 13-94	5.8
CRENSHAW	5.7
PENNCROSS	5.1
BAVARIA	3.9
LSD VALUE	0.2

Table 7. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON SAND OR SOIL GREENS
2000 DATA FROM 1998 TEST
TURFGRASS QUALITY RATINGS 1-9, 9=IDEAL TURF

NAME	QUALITY MEAN
PENN A-1	6.4
PENN G-6	6.1
BRIGHTON (SRX 1120)	5.8
PICK CB 13-94	5.8
CRENSHAW	5.7
PENNCROSS	5.1
BAVARIA	3.9
LSD VALUE	0.2

Table 16. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN
2000 DATA FROM 1998 TEST
DENSITY RATINGS 1-9, 9=MAXIMUM DENSITY

NAME	QUALITY MEAN
PENN A-1	7.1
PENN G-6	6.5
CRENSHAW	6.5
BRIGHTON (SRX 1120)	6.1
PICK CB 13-94	6.2
PENNCROSS	5.3
BAVARIA	5.0
LSD VALUE	0.4

These examples represent 7 out of 29 varieties tested in the National Turfgrass Evaluation Program, Progress Report 2000, NTEP No. 01-2 1998 test. For complete trial data, go to www.ntep.org