

# Fairway Height Bentgrass Cultivar Trial

## RFR-A1802

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### Introduction

This is the fourth year of data collection from the fairway height bentgrass trial established in the fall of 2014.

### Materials and Methods

The area was maintained at a 0.4 in. mowing height. This is a National Turfgrass Evaluation (NTEP) trial and is being conducted at several research stations in the United States. It contains 17 of the newest cultivars and a number of experimental cultivars. The cultivars are maintained with 4 lb of N/1,000 ft<sup>2</sup> per growing season. Fungicides are used as needed in a preventive program. Herbicides and insecticides also are applied as needed. Irrigation was applied as needed to prevent moisture stress.

### Results and Discussion

The visual quality was evaluated monthly in 2018 from May through October (Table 1). The values listed under each month in Table 1 are the averages of visual quality ratings made on three replicated plots. Visual quality was based on a scale of 9 to 1: 9 = best quality, 6 = lowest acceptable quality, and 1 = worst quality. The annual average of the monthly data for each cultivar was calculated and is listed in the Mean column. Data for dollar spot (DS) also were collected in July. The scale is 9 = no disease and 1 = worst. The last row states the LSD (least significant difference), which is a statistical measurement of how widely the data in each column must vary before they are considered to be different from one another. Genetic color was rated using a 9 to 1 scale with 9 = dark and 1 = light green.

### Acknowledgements

Appreciation is extended to the NTEP organization for funding to conduct this project.

**Table 1. Data for the fairway height creeping bentgrass trial, 2018.**

No.	Cultivar	Color <sup>2</sup>	Quality 2018 <sup>1</sup>							Mean	DS <sup>3</sup>
			May	June	July	Aug	Sept	Oct			
1	DLFPS-AT/3026	6	5	6	7	7	7	7	6	8	
2	7	8	4	7	7	7	8	8	7	9	
3	Penncross	7	5	7	7	6	6	6	6	7	
4	Crystal Blue Links	7	6	7	7	8	6	7	7	8	
5	Greentime	7	6	7	7	8	7	7	7	9	
6	L-93XD	7	4	6	6	6	7	8	6	9	
7	Armor	7	5	6	7	6	6	5	6	6	
8	Kingdom	7	6	8	7	6	6	6	7	6	
9	Nightlife	8	5	7	8	6	7	6	7	8	
10	V-8	8	5	7	7	7	7	7	7	8	
11	DC-1	8	5	6	7	8	8	9	7	9	
12	PPG-AT 104	7	5	6	6	6	6	7	6	9	
13	H10G-OP	7	5	7	6	6	7	9	7	8	
14	Shark	8	4	6	7	7	7	6	6	8	
15	Barracuda	8	5	7	8	8	7	7	7	9	
16	PST-ORBS	8	6	7	7	7	6	6	7	8	
17	PST-DCV6	7	5	7	7	7	7	6	6	8	
LSD 0.05		1	NS	NS	NS	1	1	2	1	2	

<sup>1</sup>Quality rated on a 1 to 9 scale with 9 = best quality, 1 = worst quality, and 6 = lowest acceptable quality.

<sup>2</sup>Color rated on a 1 to 9 scale with 9 = dark, 1 = light green.

<sup>3</sup>DS is dollar spot with 9 = no disease and 1 = worst.