

## Fairway Height Bentgrass Cultivar Trial

### RFR-A1521

Nick Christians, university professor  
Dan Strey, research associate  
Department of Horticulture

### Introduction

This is the first year of data collection from the fairway height bentgrass trial established in the fall of 2014. The area was maintained at a 0.5 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.

### Results and Discussion

The visual quality was evaluated monthly in 2015 from April 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 last column (Mean). The last row states the LSD (least significant difference), which is a statistical measurement of how widely the datum 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.

This was an establishment year and several cultivars were not fully established until mid-season. The most reliable information on this trial will begin the spring of 2016.

**Table 1. Data for the fairway height creeping bentgrass trial-2015.**

No.	Cultivar	Genetic color	Quality 2015 <sup>1</sup>							
			Apr	May	June	July	Aug	Sept	Oct	Mean
1	DLFPS-AT/3026	6	3	5	5	5	5	6	6	5
2	007	7	5	6	6	6	6	7	7	6
3	Penncross	7	4	4	5	5	5	5	5	5
4	Crystal Blue Links	7	4	5	6	5	6	6	6	6
5	Greentime	7	3	5	4	4	5	6	6	5
6	L-93XD	7	4	4	6	5	7	7	7	6
7	Armor	8	4	5	5	5	5	5	6	5
8	Kingdom	9	4	6	5	6	6	5	7	6
9	Nightlife	8	4	5	6	6	6	6	7	6
10	V-8	6	4	5	6	5	6	7	7	6
11	DC-1	7	4	5	6	6	6	6	6	6
12	PPG-AT 104	6	4	5	6	6	6	6	6	6
13	H10G-OP	6	4	5	6	5	6	7	7	6
14	Shark	6	4	5	5	5	6	6	7	5
15	Barracuda	7	4	5	5	6	6	6	7	6
16	PST-ORBS	7	4	5	5	6	7	5	6	6
17	PST-DCV6	6	4	5	5	6	6	6	6	5
	LSD 0.05	1	NS	NS	1	1	NS	1	NS	1

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