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NTEP Perennial Ryegrass Study

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NTEP Perennial Ryegrass Study

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Introduction

The National Turfgrass Evaluation Program (NTEP) conducts trials throughout the United States on turfgrass adaptation. This trial was established in September 2016 as part of the NTEP program. It contains 114 perennial ryegrass cultivars.

Materials and Methods

The individual plots measure 4 ft × 4 ft and the study was replicated three times. Data on

establishment (seedling vigor) and October quality were collected in the fall of 2016. Ratings for establishment were based on a scale of 9 = fully established and 1 = lowest establishment rate. For the quality ratings, 9 is the highest quality and 1 is lowest quality. A rating of 6 or above is considered to be commercially acceptable.

Results and Discussion

Table 1 contains quality ratings for October 2016. Full data on the trial will be collected for the next four years.

Acknowledgements

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

Table 1. Establishment and October quality data for the perennial ryegrass cultivar trial established September 6, 2016.

	Cultivar	Seedling vigor ¹	October quality ²
1	21	6	7
2	BSP-17	6	7
3	BWH	7	6
4	BSP-25	5	6
*5	Savant	7	6
6	LPB-SD-105	5	7
*7	Saguaro	5	7
8	LPB-SD-104	4	6
*9	Mensa	5	6
10	LPB-SD-101	5	6
11	LPB-SD-102	5	6
12	LPB-SD-103	5	6
13	DLFPS-236/3540	5	7
14	DLFPS-236/3542	5	7
15	DLFPS-236/3544	5	8
*16	Intense	6	7
*17	Xcelerator	6	6
18	UF3	6	8
19	JR-123	4	7
20	JR-747	6	6
21	JR-888	6	6
22	DLFPS-236/3541	4	6
23	DLFPS-236/3543	4	7
24	DLFPS-236/3545	5	7
*25	Evolve	7	6

Table 1. Establishment and October quality data for the perennial ryegrass cultivar trial established September 6, 2016 (continued).

	Cultivar	Seedling vigor¹	October quality²
26	MRSL-PR16	6	8
27	PL2	7	8
28	MRSL-PR15	6	7
29	SNX	7	7
*30	Signet	8	7
31	02BS4	7	7
32	CS-6	5	7
33	DLFPS-236/3556	7	8
*34	ASP0116EXT	7	7
35	A-PR15	7	6
36	A-4G	6	8
37	A-6D	6	7
38	NP-3	6	8
39	NP-2	6	8
40	Apr-16	5	6
41	GO-141	4	7
42	GO-142	5	6
43	GO-143	4	6
44	Apr-12	4	7
45	Apr-60	5	6
46	AMP-R1	4	7
47	DLFPS-236/3546	3	6
48	DLFPS-236/3547	5	7
49	DLFPS-236/3548	4	7
50	PR-6-15	5	6
51	DLFPS-236/3550	3	6
52	DLFPS-236/3552	4	7
53	23	7	7
54	FP2	5	7
55	02BS2	6	8
56	RRT	5	7
57	PPG-PR 241	5	6
58	PPG-PR 329	5	7
59	PPG-PR 331	6	7
60	Derby Xtreme	6	6
61	PPG-PR 339	5	7
62	PPG-PR 343	5	7
63	PPG-PR 360	4	7
64	PPG-PR 367	4	7
65	PPG-PR 370	4	6
66	PPG-PR 371	4	7
67	PPG-PR 372	5	7
68	PPG-PR 385	6	7
69	PPG-PR 419	7	8
70	PPG-PR 420	5	8
71	PPG-PR 421	7	7
72	PPG-PR 422	6	7
73	PPG-PR 423	6	8
74	PPG-PR 424	7	8
*75	Karma	4	6
*76	SR 4650	8	8
77	DLFPS-236/3538	5	7
*78	Grand Slam GLD	7	8

Table 1. Establishment and October quality data for the perennial ryegrass cultivar trial established September 6, 2016 (continued).

	Cultivar	Seedling vigor ¹	October quality ²
79	LTP-FCB	7	7
80	BAR LP 6117	5	6
81	BAR LP 6131	5	5
82	BAR LP 6159	6	7
83	BAR LP 6233	6	7
84	PST-2FOXY	3	6
85	PST-2CRP	4	6
86	PST-2EGAD	5	6
87	PST-2FIND	7	7
88	PST-2GTD	4	7
89	PST-2BDT	6	7
90	PST-2MAY	4	7
91	PST-2GAL	5	7
92	PST-2PDA	7	6
93	PST-2A2	6	6
94	DLFPS-236/3553	5	7
95	DLFPS-236/3554	5	7
96	PR-5-16	4	6
97	BAR LP 6158	5	7
98	BAR LP 6162	3	6
99	BAR LP 6164	4	6
100	BAR LP 6165	4	6
*101	Overdrive 5G	6	8
102	02BS1	6	8
103	CPN	8	8
104	JR-197	7	8
105	DLFPS-238/3014	4	7
106	RAD-PR 103	3	6
107	RAD-PR 112	3	6
*108	UMPQUA	5	8
*109	Seabiscuit	8	7
*110	Man O'War	5	8
*111	Pharaoh	6	8
*112	Allstar III	6	7
*113	Brightstar SLT	8	7
*114	Linn	4	6
LSD 0.05		2	1

*Commercially available in the USA in 2016.

¹Seedling vigor rated on a 1 to 9 scale with 9 = fully established, 1 = lowest establishment.

²Quality rating 9 = highest quality, 1 = lowest quality, and 6 or above = commercially acceptable.