

Performance of perennial ryegrass cultivars and selections in a lawn height turf trial seeded June 16, 2021 at St. Paul, MN.

Cultivar or Selection	----- Turfgrass Quality <sup>1</sup> -----									%Green Cover <sup>2</sup>	Color <sup>3</sup>
	2022-2023 Avg.	2022 Avg.	2023 Avg.	May 2023	June 2023	July 2023	Aug. 2023	Sept. 2023	June 2023	June 2023	
1 80297	5.7	5.4	5.9	6.3	6.7	5.3	5.0	6.3	89.5	4.0	
2 80383	5.7	5.2	6.1	5.7	5.3	6.7	6.0	7.0	90.8	4.3	
3 80402	5.6	5.6	5.6	5.7	6.3	5.7	4.3	6.0	91.4	4.3	
4 80346	5.5	5.5	5.5	5.7	6.7	4.7	5.0	5.7	94.3	4.1	
5 80393	5.5	5.5	5.5	5.7	5.7	5.3	5.0	6.0	89.8	3.8	
6 80302	5.5	5.7	5.3	5.0	6.3	5.7	4.7	4.7	91.3	3.2	
7 Green Emperor	5.5	5.7	5.2	5.3	5.0	4.0	5.3	6.3	90.4	7.0	
8 80411	5.4	5.7	5.1	5.0	5.0	5.3	4.7	5.3	89.6	5.3	
9 80303	5.3	5.1	5.5	5.0	5.0	6.0	5.3	6.3	85.6	1.7	
10 Galactic Green	5.3	5.4	5.3	5.0	4.3	4.3	6.3	6.3	91.6	6.5	
11 80468	5.3	5.3	5.2	5.0	5.3	5.3	4.3	6.0	83.2	3.2	
12 80388	5.2	5.3	5.1	5.0	5.7	6.0	4.3	4.7	84.2	3.3	
13 80391	5.2	5.5	5.0	5.3	6.3	4.3	3.7	5.3	91.1	4.3	
14 80387	5.2	5.3	5.1	5.7	5.0	4.7	5.0	5.3	88.3	4.3	
15 80454	5.2	5.3	5.1	4.7	5.3	5.7	4.7	5.3	86.4	2.6	
16 80410	5.2	5.2	5.1	5.0	6.0	4.7	4.3	5.7	87.0	3.0	
17 80330	5.1	5.1	5.2	5.0	5.3	5.7	4.7	5.3	87.4	2.4	
18 80396	5.1	5.1	5.2	4.7	5.3	6.0	4.7	5.3	78.3	2.4	
19 80425	5.1	5.1	5.1	5.3	4.7	5.7	5.0	5.0	88.2	3.9	
20 Stellar 4GL	5.1	5.5	4.7	4.3	3.7	3.3	5.7	6.7	85.9	6.7	
21 80286	5.1	5.0	5.2	5.0	6.0	5.0	4.3	5.7	85.7	3.4	
22 80292	5.1	5.3	4.9	5.0	5.3	5.0	4.3	5.0	84.7	2.8	
23 80381	5.1	4.8	5.4	5.3	5.7	5.0	4.7	6.3	86.2	3.5	
24 Sideways	5.1	5.5	4.7	4.0	3.7	4.3	5.3	6.0	88.9	7.1	
25 80409	5.0	4.9	5.2	5.0	5.3	5.3	4.7	5.7	86.4	2.9	
26 80448	5.0	4.9	5.2	5.0	6.3	5.3	4.0	5.3	92.7	4.5	
27 SpreaderIII x Arctic Green	5.0	5.3	4.7	4.7	4.0	4.7	5.3	5.0	91.2	5.6	
28 80276	5.0	5.3	4.7	4.3	3.7	5.0	4.3	6.0	84.9	1.8	
29 80329	5.0	5.0	5.0	4.7	4.7	5.0	5.0	5.7	83.8	2.4	
30 Apple 3GL-1	5.0	5.4	4.6	4.3	4.0	4.0	5.7	5.0	92.6	7.4	
31 80299	5.0	5.1	4.9	5.0	4.7	5.3	3.7	5.7	81.8	2.8	
32 80331	5.0	4.9	5.0	5.3	5.7	4.3	4.3	5.3	92.2	3.5	
33 80399	5.0	5.5	4.5	4.7	4.3	5.0	4.0	4.3	86.5	2.9	
34 80447	5.0	5.0	4.9	5.0	5.7	5.0	4.7	4.3	90.8	3.9	
35 80363	4.9	5.1	4.7	5.3	4.7	4.0	4.7	5.0	92.9	4.1	
36 80378	4.9	5.2	4.6	5.0	4.7	4.3	4.7	4.3	78.7	2.0	
37 80380	4.9	5.3	4.5	4.7	5.3	5.0	3.7	3.7	86.3	3.5	
38 80442	4.9	4.8	5.0	5.7	5.3	4.7	4.3	5.0	88.2	4.1	
39 80270	4.9	4.5	5.2	5.7	6.0	4.3	4.0	6.0	88.4	2.9	
40 80293	4.9	4.7	5.1	5.3	6.0	5.0	4.0	5.0	90.3	3.6	

(continued)

41	80345	4.9	4.9	4.9	4.3	5.3	4.3	4.7	5.7	93.7	4.5
42	80439	4.8	4.6	5.1	5.0	6.3	4.3	4.3	5.3	94.3	3.9
43	80324	4.8	4.9	4.7	4.3	5.0	4.0	4.0	6.3	83.3	2.7
44	80340	4.8	5.1	4.5	5.0	5.7	3.3	3.3	5.3	89.4	2.9
45	80282	4.8	4.6	4.9	4.7	6.0	5.3	4.0	4.7	82.2	2.7
46	80313	4.8	4.6	4.9	5.3	4.7	5.0	4.3	5.3	85.2	2.6
47	80418	4.8	4.6	4.9	4.7	5.0	5.3	4.3	5.3	85.6	2.9
48	80353	4.7	4.7	4.8	4.3	5.7	3.7	4.7	5.7	89.8	4.0
49	Entourage	4.7	5.7	3.8	2.3	3.7	3.0	4.7	5.3	87.3	8.6
50	Serenity	4.7	5.3	4.2	3.0	3.7	3.3	4.7	6.3	76.8	5.9
51	80300	4.7	4.7	4.7	5.3	5.7	4.3	4.0	4.3	92.0	4.7
52	80309	4.7	4.7	4.7	5.0	6.0	4.7	3.7	4.3	89.4	4.0
53	80433	4.7	4.5	4.9	4.7	5.7	5.3	4.0	4.7	86.8	2.9
54	80371	4.7	5.0	4.3	4.3	5.0	4.7	3.3	4.3	85.1	3.1
55	80390	4.7	4.6	4.7	4.7	5.0	5.0	4.0	5.0	87.5	3.6
56	Sluggo 3GL	4.7	4.8	4.5	4.3	3.7	3.7	5.3	5.7	89.0	7.5
57	80312	4.6	4.5	4.8	4.7	4.7	4.7	4.7	5.3	78.1	1.8
58	80428	4.6	4.9	4.3	5.0	4.7	3.7	3.3	5.0	77.2	3.2
59	80429	4.6	4.5	4.7	5.0	5.3	4.7	4.0	4.7	88.9	4.2
60	Wicked	4.6	5.3	4.0	4.3	4.0	3.7	3.7	4.3	92.8	6.4
61	80280	4.6	4.5	4.7	4.7	5.3	4.0	3.7	5.7	85.8	2.5
62	80374	4.6	4.9	4.3	4.3	4.3	4.7	4.0	4.0	87.4	3.1
63	80459	4.6	4.4	4.8	4.0	4.7	5.3	4.3	5.7	86.3	3.4
64	80457	4.5	4.6	4.5	5.7	3.7	4.0	4.7	4.3	86.1	3.9
65	80466	4.5	4.3	4.8	4.7	4.7	4.7	4.3	5.7	89.2	3.1
66	80275	4.5	4.5	4.5	4.3	4.7	5.0	3.3	5.0	86.6	2.3
67	80419	4.5	4.5	4.5	4.7	5.7	4.3	3.7	4.3	89.5	2.7
68	80273	4.5	4.4	4.5	5.0	5.3	3.3	3.7	5.3	82.3	2.0
69	80397	4.5	4.2	4.7	4.3	5.7	4.0	4.3	5.3	84.3	2.3
70	80445	4.5	4.4	4.5	4.7	5.0	4.0	4.3	4.7	91.7	3.9
71	80327	4.4	4.7	4.1	4.3	4.7	3.0	4.0	4.7	90.2	3.9
72	80426	4.4	4.3	4.5	5.3	5.0	4.0	3.7	4.7	90.4	3.8
73	Hancock	4.4	5.0	3.9	3.7	3.7	3.3	4.0	4.7	92.0	7.8
74	80279	4.4	4.4	4.4	4.3	4.7	4.0	3.7	5.3	82.5	2.3
75	80310	4.4	4.5	4.3	4.7	5.3	3.3	3.3	4.7	84.4	2.9
76	80407	4.4	4.7	4.1	5.0	5.0	3.0	3.3	4.0	87.2	3.1
77	80417	4.3	4.3	4.3	4.0	4.7	4.3	3.7	5.0	76.5	2.6
78	80421	4.3	4.1	4.5	4.7	5.3	4.3	4.0	4.3	82.7	3.3
79	80289	4.3	4.1	4.5	5.0	5.0	4.3	3.3	4.7	88.9	3.1
80	Banfield	4.3	4.7	3.9	3.7	4.0	3.3	4.0	4.3	90.4	8.5
81	80272	4.2	4.1	4.2	5.3	4.0	2.7	3.7	5.3	74.4	2.7
82	80440	4.2	3.9	4.5	4.7	4.0	4.0	4.3	5.3	87.4	3.9
83	80467	4.2	4.2	4.1	4.3	5.3	3.7	3.0	4.3	86.6	3.3
84	80420	4.1	4.2	4.1	4.3	5.3	3.7	3.3	3.7	88.6	3.8
85	80441	4.1	4.2	4.1	4.3	4.3	4.3	3.3	4.0	89.5	4.6

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86	80369	4.1	4.1	4.1	4.3	4.7	3.7	3.7	4.0	79.2	2.2
87	80456	4.1	4.2	4.0	5.0	3.7	4.0	3.3	4.0	81.4	2.9
88	LAV	4.1	4.4	3.7	3.3	4.0	3.3	3.7	4.3	84.0	7.5
89	80458	4.0	3.7	4.3	4.3	4.7	4.0	3.3	5.0	84.0	3.2
90	80321	3.9	3.8	4.1	4.0	4.7	3.7	3.3	4.7	79.3	2.2
91	Royal Green	3.7	3.5	3.9	4.3	4.0	3.7	3.7	4.0	90.4	4.8
92	Thrive	3.7	4.2	3.3	3.0	3.3	2.7	3.0	4.3	87.4	7.4
93	80325	3.7	3.5	3.8	4.0	4.0	3.7	3.3	4.0	81.8	2.4
94	80438	3.0	2.7	3.3	4.0	3.3	3.7	2.3	3.0	87.1	4.1
95	Tetradark	2.6	2.5	2.6	3.0	3.7	2.0	1.7	2.7	85.6	6.2
96	80443	2.5	2.4	2.5	2.7	2.7	3.0	1.7	2.7	87.8	4.8
97	Remedy	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	65.8	5.8
LSD P=.05		0.7	0.8	0.9	1.2	1.5	1.6	1.2	1.4	6.3	1.0

<sup>1</sup>9 = best turfgrass quality

<sup>2</sup>## = percent of area covered with green (Turf Analyzer digital image analysis)

<sup>3</sup>9 = darkest green color (Turf Analyzer digital image analysis)