

2000 NTEP Kentucky Bluegrass Cultivar Test (Lawn) – 2001 Results

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Objective

To evaluate commercial and experimental varieties of Kentucky bluegrass under low maintenance conditions in central Indiana.

Rationale

Kentucky bluegrass is the most widely used turf species in Indiana under low maintenance conditions. Many attributes such as good drought tolerance, fair heat tolerance, good wear tolerance, and excellent cold tolerance make it a good choice for many turf sites. Kentucky bluegrass will form a dense, attractive turf stand when properly maintained. By determining performance of the 173 varieties, we will be able to offer sound information on which varieties of Kentucky bluegrass to plant in Indiana.

How It Was Done

One hundred and seventy three varieties of Kentucky bluegrass were seeded on 31 Aug 2000 at the William H. Daniel Research and Diagnostic Center on a silt loam soil. Seeding rate was 2.2 lbs/1000 ft² and seed was spread using a hand shaker jar. After seeding the area was lightly raked, and a starter fertilizer (8-22-16) was applied at the rate of 1.5 lbs P₂O₅/1000 ft². The area was covered with a germination blanket to prevent washing of seed and mixing of varieties.

The plots are maintained under a low maintenance regime. The mowing height is 2.5 inches and the experiment is mowed twice per week. Annual fertilization will be 2 lbs N/1000 ft² with 1 lb applied in med-September and 1 lb in early November. No irrigation will be applied to the plots.

Data collected in 2001 included genetic color, disease incidence, percent living ground cover, and monthly visual quality ratings from Apr to Nov. All data taken were visual observations of turf characteristics and performance. Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

Results to Date

- There are no statistical differences in average visual quality among the top 39 cultivars (Table 1).
- Kentucky bluegrass is slow to fill-in, but all cultivars reached full cover within a year with the exception of J-1880.
- Rust can be problematic on Kentucky bluegrass under low N. Two-thirds of the cultivars performed equally well in rust susceptibility
- Since this study has only been established for one year, we expect more separation of cultivar performance over the next four years.

Table 1. Visual quality of 173 Kentucky bluegrass cultivars growing under low maintenance in 2001.

Cultivar	Apr	May	June	July	Aug	Sep	Oct	Nov	Avg
PST-1701	6.3	6.7	6.0	6.7	5.7	5.7	6.7	6.7	6.3
Baronie	6.0	6.3	5.7	6.3	5.7	5.7	6.7	7.0	6.2
Julia	6.0	6.0	5.0	5.7	6.7	5.7	6.3	6.3	6.0
A97-1715	5.7	6.7	5.7	6.0	6.0	5.7	6.0	6.0	6.0
Eagleton	5.7	6.3	5.3	6.0	5.7	5.7	6.3	6.0	5.9
HV 140	5.7	6.3	5.7	6.3	5.3	5.0	6.3	6.3	5.9
Pp H 6370	5.0	5.7	4.7	6.3	6.0	5.7	6.7	7.0	5.9
Rambo	5.7	6.0	4.7	5.7	6.0	5.7	6.7	6.7	5.9
Pick 113-3	5.0	6.3	5.3	5.3	5.7	6.3	7.0	6.3	5.9
Baron	4.7	6.0	4.3	6.0	6.3	6.0	6.7	6.3	5.8
H94-293	5.3	6.0	5.3	6.0	5.3	5.7	6.7	6.0	5.8
Coventry	5.3	6.0	5.7	5.7	5.3	5.3	6.3	6.3	5.8
A98-739	5.0	6.3	4.7	5.7	5.3	5.7	6.7	6.7	5.8
PST-1BMY	6.0	6.3	5.3	5.7	5.3	5.3	6.3	6.3	5.8
HV 238	5.7	6.0	5.3	6.0	6.0	5.7	5.7	6.3	5.8
H92-558	6.0	6.0	5.0	5.7	5.7	5.7	6.0	6.0	5.8
A96-427	5.7	6.7	5.0	5.7	5.7	5.3	6.0	6.0	5.8
J-1420	4.7	6.0	4.7	6.0	6.7	6.0	6.3	6.3	5.8
J-2695	5.3	5.7	5.0	5.7	5.7	5.7	6.7	6.3	5.8
Unique	5.0	6.0	5.0	6.0	6.0	6.0	6.0	6.0	5.8
Midnight	5.3	5.7	5.0	5.7	6.0	5.7	6.3	6.3	5.7
Raven	5.3	5.7	5.0	6.0	6.3	5.7	6.0	5.7	5.7
Marquis	5.7	5.3	5.0	5.7	6.0	5.7	6.0	6.0	5.7
Cabernet	5.3	5.7	5.0	5.7	5.7	6.0	6.3	5.7	5.7
Unknown	4.7	5.0	5.0	5.7	5.7	6.3	6.7	6.3	5.7
Jefferson	5.7	6.0	5.0	6.0	5.7	5.3	6.3	5.7	5.7
J-2487	5.0	6.0	5.3	5.3	5.7	5.7	6.3	6.3	5.7
Baritone	5.7	6.0	5.7	6.0	5.3	5.3	5.7	6.0	5.7
Limerick	4.3	5.7	5.3	6.3	5.7	5.7	5.7	6.0	5.6
A93-200	5.7	6.0	4.7	5.7	5.0	5.3	6.3	6.3	5.6
Fairfax	5.0	5.7	5.3	5.7	5.3	5.7	6.0	6.3	5.6
Chateau	5.0	6.0	5.3	5.7	5.7	5.3	6.0	6.0	5.6
SRX 26351	5.7	6.3	5.0	6.0	5.0	5.7	5.3	5.7	5.6
J-1515	4.7	5.3	4.7	5.7	5.7	6.0	6.3	6.3	5.6
J-2885	4.7	5.7	4.3	5.0	6.0	5.7	6.7	6.7	5.6
J-1665	5.0	6.0	4.3	5.7	5.7	5.3	6.7	6.3	5.6
PST-731	5.0	5.3	4.7	5.3	5.7	5.7	6.7	6.7	5.6
Bariris	4.7	6.0	4.7	6.0	5.7	5.3	6.3	6.0	5.6
Blackstone	5.0	6.0	5.0	5.0	5.7	5.7	6.0	6.3	5.6
Envicta	4.7	6.0	4.7	6.0	6.0	5.3	5.7	6.0	5.5
BH 00-6002	5.7	6.3	4.3	5.3	5.0	5.0	6.0	6.0	5.5
Brooklawn	5.3	6.0	5.0	5.3	5.3	5.3	6.0	5.7	5.5
DLF 76-9036	4.7	5.3	4.7	6.0	5.7	6.0	5.7	5.7	5.5
Pro Seeds-453	4.7	5.7	4.7	5.7	6.0	5.7	6.0	6.0	5.5
A98-881	5.0	6.0	4.7	5.7	5.0	5.7	5.7	6.3	5.5
A98-1275	5.3	5.7	4.7	5.3	5.7	5.7	6.0	6.0	5.5
A98-139	6.0	5.3	4.3	5.3	5.7	5.3	6.0	6.0	5.5
Princeton 105	5.3	5.7	5.0	5.3	5.3	5.3	6.0	5.7	5.5

NuGlade	4.7	5.7	4.7	5.7	6.0	5.7	6.0	6.0	5.5
J-1648	4.7	5.0	5.0	5.3	5.7	5.3	6.3	6.3	5.5
Rugby II	5.0	5.3	4.3	5.7	5.3	5.3	6.7	6.3	5.5
Award	5.0	5.7	4.7	5.3	5.3	5.7	6.3	6.0	5.5
Freedom II	4.7	5.7	4.7	6.0	5.3	5.7	5.7	6.3	5.5
GO-9LM9	6.3	5.3	5.0	5.3	5.3	5.0	5.7	6.3	5.5
PST-B3-170	5.0	6.0	5.0	5.3	5.3	5.3	6.0	5.7	5.5
B4-128A	4.7	6.0	4.7	5.7	5.7	5.3	6.0	6.0	5.5
Washington	6.3	5.3	4.3	5.7	5.3	5.0	6.0	6.0	5.5
A96-742	5.3	6.0	5.0	5.3	5.0	5.0	6.0	6.0	5.5
Serene	4.7	6.0	4.7	5.7	5.3	5.3	6.0	6.0	5.5
Wildwood	5.3	6.3	5.0	5.0	5.0	5.0	5.7	5.7	5.4
PST-161	4.7	6.0	4.3	5.3	6.0	5.7	5.7	5.7	5.4
PST-York Harbor 4	5.3	6.3	5.3	5.3	5.3	4.7	5.3	5.7	5.4
Mallard (A97-1439)	5.0	6.0	5.0	5.7	5.0	5.3	5.3	5.7	5.4
Quantum Leap	4.0	5.0	4.3	5.3	5.7	6.3	6.3	6.0	5.4
Misty	4.7	5.3	4.3	5.3	5.3	5.7	6.0	6.3	5.4
Ba 84-140	5.3	6.0	4.7	5.7	5.3	5.3	5.3	5.3	5.4
Ba 00-6001	4.7	5.7	4.7	5.3	5.3	5.3	6.0	6.0	5.4
Champagne	5.7	5.7	4.3	5.0	5.0	5.3	6.0	6.0	5.4
Jewel	5.7	6.0	5.0	5.7	5.0	5.0	5.3	5.3	5.4
SRX 2114	5.7	6.3	4.7	5.3	5.0	4.7	5.3	6.0	5.4
A98-304	4.7	5.7	5.0	5.3	5.3	5.7	6.0	5.3	5.4
A98-365	5.0	6.0	5.0	5.3	5.0	5.3	5.7	5.7	5.4
Kenblue	6.0	6.0	4.7	5.3	5.0	4.3	5.3	6.3	5.4
J-1838	4.3	5.7	4.0	5.0	5.3	5.7	6.7	6.3	5.4
J-1513	4.7	5.3	4.3	5.3	5.7	6.0	6.0	6.0	5.4
Boomerang	4.3	5.3	4.3	5.0	5.7	6.0	6.0	5.7	5.3
Pp H 6366	4.7	5.3	4.0	5.7	5.3	5.7	6.0	5.7	5.3
Shamrock	5.7	6.0	4.3	5.0	4.7	5.7	5.7	5.7	5.3
PST-108-79	4.7	5.0	4.3	5.3	5.7	5.3	6.0	6.0	5.3
Limousine	4.7	5.7	4.7	5.3	5.3	5.3	5.7	5.7	5.3
Ascot	4.7	5.7	4.3	5.0	5.7	5.3	6.0	5.3	5.3
Ba 83-113	5.0	5.7	5.3	5.3	5.0	5.0	5.7	5.7	5.3
Arcadia	4.3	5.3	4.7	5.0	5.7	5.3	6.0	6.0	5.3
SI A96-386	4.7	5.7	4.3	5.3	5.3	5.7	5.7	5.7	5.3
A98-1028	5.3	6.0	4.3	5.0	5.0	6.0	5.7	5.3	5.3
A98-296	5.3	6.0	5.0	5.7	5.0	5.0	5.3	5.3	5.3
Odyssey	5.0	6.0	5.0	5.3	5.0	5.0	6.0	5.3	5.3
Chicago II	5.3	5.7	4.7	5.3	5.0	5.3	5.7	5.7	5.3
J-1368	4.3	5.3	4.3	5.3	5.7	5.3	6.0	6.3	5.3
J-2890	4.3	5.3	4.3	5.0	5.7	5.7	6.0	6.0	5.3
Bratitia	4.3	5.3	4.0	5.3	5.7	6.0	6.3	5.7	5.3
Rita	4.3	6.0	5.0	5.3	5.3	5.3	5.7	5.7	5.3
Pp H 7929	4.0	5.0	4.3	5.0	5.3	5.7	6.0	6.0	5.2
Pp H 7832	4.3	5.3	4.3	5.0	5.3	5.7	5.3	6.0	5.2
Pp H 7097	4.3	5.3	4.0	5.0	5.3	6.0	5.7	5.7	5.2
Wellington	5.7	5.7	4.3	5.0	5.3	4.7	5.3	5.7	5.2
PST-B5-125	4.3	6.0	4.3	5.0	5.3	5.3	6.0	5.0	5.2
Blue Ridge (A97-1449)	4.7	5.7	4.3	5.0	5.0	5.3	5.7	6.0	5.2
B5-43	4.0	5.3	4.0	5.3	5.3	5.3	6.3	6.0	5.2
B5-144	4.0	5.0	4.3	5.0	5.3	5.3	6.3	6.0	5.2
Alpine	4.3	6.0	5.0	5.3	5.0	5.3	5.3	5.0	5.2

Ba 82-288	4.7	6.0	5.0	5.3	5.0	5.0	5.7	5.0	5.2
Showcase	4.3	5.3	4.3	5.3	5.3	5.3	5.7	5.7	5.2
SRX 2284	4.7	6.0	4.7	5.3	5.3	5.0	5.0	5.3	5.2
SRX OG245	6.0	5.3	5.0	5.0	4.7	4.3	5.3	5.7	5.2
99AN-53	4.7	5.3	4.3	5.3	5.3	5.0	5.7	5.7	5.2
Barzan	3.7	5.0	4.3	5.3	5.7	5.3	6.0	6.0	5.2
North Star	4.0	5.3	5.0	5.3	5.0	5.7	5.3	6.0	5.2
PST-604	4.7	5.7	4.7	5.3	5.0	4.7	5.3	5.3	5.1
A97-1567	4.3	5.3	4.7	5.0	5.3	5.3	5.3	5.3	5.1
B5-45	4.3	4.7	4.7	5.3	5.3	5.3	5.7	5.7	5.1
Pick 453	4.7	5.7	5.0	5.0	5.0	5.0	5.3	5.0	5.1
Pick 417	4.7	5.7	4.3	5.0	5.0	5.3	5.3	5.3	5.1
Goldrush	4.3	5.3	4.7	5.3	5.3	5.0	5.7	5.3	5.1
Abbey	4.7	5.0	4.3	5.3	5.0	5.3	6.0	5.3	5.1
A96-451	4.3	5.7	4.3	5.3	5.7	4.7	5.7	5.3	5.1
Allure	3.7	5.0	4.0	5.0	5.7	5.7	5.7	6.0	5.1
SRX 27921	4.7	5.3	4.7	4.7	5.0	5.0	5.7	5.7	5.1
A97-857	4.0	4.7	4.0	5.0	5.3	5.3	6.3	6.3	5.1
Bodacious	4.3	5.0	4.3	4.7	5.0	5.3	5.7	5.3	5.0
Bedazzled	4.7	5.3	4.7	5.0	5.0	5.3	5.3	5.0	5.0
Royale (A97-1336)	4.3	5.3	4.7	5.3	5.0	5.0	5.3	5.3	5.0
Hallmark	4.3	5.7	4.7	5.0	5.0	4.7	5.3	5.7	5.0
PST-1QG-27	4.7	5.3	4.7	5.0	5.0	5.0	5.3	5.0	5.0
PST-222	5.7	6.0	4.7	4.7	4.7	4.7	4.7	4.7	5.0
Apollo	4.3	5.7	4.7	5.0	5.0	5.0	5.3	5.3	5.0
PST-1804	4.3	5.7	4.3	5.0	5.3	5.0	5.3	5.3	5.0
Ba 81-058	5.0	5.3	4.7	5.0	4.7	5.0	5.3	5.0	5.0
Julius	4.3	5.0	4.0	5.0	5.3	5.3	5.3	5.7	5.0
A97-1330	4.3	5.7	4.7	5.3	5.0	4.7	5.3	5.0	5.0
NA-K992	5.0	6.0	4.3	5.0	5.0	4.0	5.3	5.3	5.0
Sonoma	4.3	5.3	4.3	5.0	5.0	5.3	5.3	5.0	5.0
Bordeaux	4.7	5.3	4.7	5.0	5.0	5.0	5.0	5.0	5.0
A98-183	4.7	5.0	4.0	4.7	5.0	5.3	5.7	5.3	5.0
Impact	4.3	5.0	4.0	5.0	5.0	5.3	5.3	5.7	5.0
Total Eclipse	4.0	5.0	4.0	5.0	5.7	5.7	5.3	5.0	5.0
J-2561	4.3	5.3	4.0	5.0	5.3	5.0	5.7	5.7	5.0
Everest	4.0	5.0	4.3	5.0	5.3	5.3	5.7	5.7	5.0
A96-739	4.7	5.3	4.0	5.0	5.0	5.0	5.3	5.3	5.0
Monte Carlo (A96-402)	4.0	5.7	4.3	5.0	5.0	5.0	5.0	5.0	4.9
PST-B5-89	5.0	5.7	4.3	4.7	4.7	4.7	5.0	5.0	4.9
A97-1432	4.3	5.3	4.3	5.0	4.7	4.7	5.3	5.3	4.9
Pick-232	4.3	5.7	4.3	5.0	5.0	4.7	5.0	5.0	4.9
IB7-308	4.7	5.3	4.3	5.0	4.7	5.0	5.3	5.0	4.9
H92-203	4.3	5.3	4.3	5.3	5.0	5.0	5.0	4.7	4.9
Blue Knight	4.3	5.3	4.0	5.0	5.0	4.7	6.0	5.0	4.9
DLF 76-9037	4.3	5.3	4.3	5.0	4.7	5.0	5.0	5.3	4.9
Lily	3.7	5.0	4.3	4.7	5.0	5.0	5.7	5.3	4.8
B3-171	4.3	5.0	4.7	5.3	4.7	4.7	5.0	5.0	4.8
PST-B4-246	4.3	5.0	4.0	4.7	5.0	5.0	5.3	5.3	4.8
PST-H6-150	4.0	4.7	4.3	5.0	5.0	5.0	5.3	5.0	4.8
BH 00-6003	4.0	4.7	4.0	5.0	5.0	5.0	5.3	5.0	4.8
Boutique	5.0	5.7	4.3	4.7	4.7	4.7	4.7	4.3	4.8
NA-K991	5.7	5.7	3.7	5.0	5.0	4.3	4.7	4.7	4.8

A98-407	4.0	5.3	4.3	4.7	5.0	5.0	5.0	5.0	4.8
Everglade	3.7	4.7	4.0	5.0	5.0	5.0	5.3	5.3	4.8
J-1880	3.7	5.0	4.0	4.3	5.0	4.7	5.7	5.7	4.8
Liberator	4.3	5.0	4.0	5.0	4.7	5.0	5.3	5.3	4.8
Langara	4.7	5.0	4.7	5.0	5.0	4.7	5.0	4.3	4.8
PST-H5-35	4.7	5.0	4.0	5.0	4.7	5.0	5.3	5.0	4.8
BAR Pp 0471	4.0	5.0	4.3	4.7	5.0	5.0	5.0	5.0	4.8
BAR Pp 0566	4.0	4.7	4.0	5.0	5.0	5.3	5.3	5.3	4.8
CVB-20631	3.3	4.0	4.0	4.7	5.0	5.0	6.0	5.3	4.7
Chelsea	3.0	4.3	3.7	5.0	5.7	5.0	5.7	5.3	4.7
SRX 2394	4.3	5.0	4.0	5.0	4.7	5.0	4.7	4.7	4.7
DLF 76-9034	3.3	3.7	3.7	4.7	5.3	5.0	6.0	5.7	4.7
BAR Pp 0573	3.7	4.7	4.0	4.7	5.0	5.0	5.0	5.3	4.7
B3-185	4.0	5.3	4.0	4.7	4.7	4.3	5.0	4.7	4.6
Brilliant	4.3	5.0	3.7	4.7	4.7	4.7	4.7	4.3	4.5
A97-1409	4.3	4.7	4.3	4.3	4.3	5.0	4.7	4.7	4.5
BAR Pp 0468	4.0	4.7	4.0	4.7	4.7	4.3	5.0	4.7	4.5
Moonlight	4.0	5.3	3.7	4.7	4.7	4.0	4.7	5.0	4.5
DLF 76-9032	3.3	4.3	3.7	4.3	4.7	4.7	4.7	4.3	4.3
LSD (0.05)	1.3	1.2	1.1	1.0	1.0	1.0	1.1	1.1	0.8

^a Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

Table 2. Percent cover, color, and rust ratings of 173 Kentucky bluegrass cultivars in 2001.

Cultivar	Cover ^a			Color ^b	Rust ^c
	Fall '00	Spring '01	Fall '01		
Ba 84-140	83.3	96.3	98.7	7.7	7.0
Blue Ridge (A97-1449)	80.0	96.0	98.7	7.7	8.0
BAR Pp 0566	76.7	93.3	99.0	7.3	8.7
Chicago II	88.3	96.7	98.3	7.3	7.0
PST-604	83.3	96.0	98.0	7.3	8.3
Moonlight	80.0	91.0	98.0	7.3	5.0
NA-K991	86.7	96.7	97.7	7.3	6.0
PST-B5-89	85.0	96.0	97.3	7.3	5.7
PST-222	81.7	96.7	97.3	7.3	8.0
PST-1BMY	85.0	96.7	99.0	7.0	9.0
PST-B3-170	85.0	96.7	99.0	7.0	7.3
J-1648	85.0	96.3	99.0	7.0	8.0
J-2890	85.0	96.0	99.0	7.0	7.7
J-1838	83.3	95.7	99.0	7.0	8.0
H92-558	81.7	97.3	99.0	7.0	9.0
J-2695	90.0	97.3	98.7	7.0	8.3
J-1665	88.3	96.3	98.7	7.0	7.7
Rugby II	86.7	96.7	98.7	7.0	7.7
A98-365	86.7	96.3	98.7	7.0	8.3
J-1513	85.0	96.0	98.7	7.0	7.3
Boomerang	83.3	94.0	98.7	7.0	8.7
Blue Knight	83.3	92.0	98.7	7.0	8.7
Quantum Leap	80.0	93.3	98.7	7.0	8.7
Mallard (A97-1439)	85.0	96.0	98.0	7.0	7.3
A98-183	85.0	95.3	98.0	7.0	8.7
A96-739	83.3	96.0	98.0	7.0	8.7
Everest	78.3	93.3	98.0	7.0	9.0
BH 00-6003	81.7	93.3	97.7	7.0	9.0
IB7-308	80.0	90.3	97.7	7.0	7.7
A98-407	76.7	93.3	97.7	7.0	8.3
Monte Carlo (A96-402)	83.3	94.0	97.3	7.0	8.3
A97-1409	78.3	94.0	97.3	7.0	7.3
H94-293	89.0	96.7	99.0	6.7	8.3
J-2487	86.7	97.7	99.0	6.7	7.7
A96-427	86.7	97.3	99.0	6.7	9.0
Pick 113-3	86.7	96.7	99.0	6.7	8.7
Arcadia	86.7	95.7	99.0	6.7	8.0
Rita	85.0	95.7	99.0	6.7	9.0
Ba 83-113	83.3	96.3	99.0	6.7	8.3
Everglade	80.0	93.3	99.0	6.7	8.7
J-2561	78.3	95.3	99.0	6.7	8.3
Blackstone	88.3	96.0	98.7	6.7	8.3
Freedom II	85.0	96.3	98.7	6.7	7.3
Bedazzled	85.0	95.7	98.7	6.7	9.0
NA-K992	78.3	96.3	98.7	6.7	9.0
Award	90.0	97.0	98.3	6.7	8.7

Impact	86.7	95.7	98.3	6.7	8.0
Bordeaux	85.0	96.0	97.7	6.7	7.3
A98-296	81.7	97.0	97.7	6.7	8.7
A97-1432	85.0	94.0	97.3	6.7	8.3
J-1880	60.0	69.3	82.7	6.7	8.0
Midnight	90.0	97.3	99.0	6.3	8.7
Baronie	88.3	97.3	99.0	6.3	9.0
Odyssey	88.3	96.7	99.0	6.3	9.0
J-1420	86.7	96.7	99.0	6.3	8.0
A98-881	85.0	96.0	99.0	6.3	9.0
J-1515	85.0	92.7	99.0	6.3	8.0
99AN-53	83.3	96.0	99.0	6.3	9.0
Unknown	83.3	95.7	99.0	6.3	8.0
NuGlade	83.3	94.7	99.0	6.3	8.7
PST-731	81.7	92.7	99.0	6.3	8.7
Ba 82-288	90.0	96.7	98.7	6.3	9.0
Wildwood	88.3	97.3	98.7	6.3	8.0
Pick 453	86.7	96.0	98.7	6.3	7.3
SRX 2114	85.0	97.3	98.7	6.3	7.3
A98-739	85.0	96.7	98.7	6.3	8.0
A97-1567	85.0	94.0	98.7	6.3	8.7
Ba 00-6001	81.7	95.7	98.7	6.3	9.0
BAR Pp 0573	78.3	85.0	98.7	6.3	9.0
J-2885	75.0	94.3	98.7	6.3	8.7
PST-York Harbor 4	85.0	96.3	98.3	6.3	8.7
Pick-232	83.3	96.3	98.3	6.3	9.0
Sonoma	83.3	96.0	98.3	6.3	8.7
J-1368	81.7	95.3	98.3	6.3	8.7
Pp H 7097	81.7	93.7	98.3	6.3	7.7
Unique	86.7	93.0	98.0	6.3	8.0
Apollo	85.0	92.3	98.0	6.3	7.3
Ascot	83.3	94.3	98.0	6.3	8.0
PST-H5-35	81.7	95.7	98.0	6.3	9.0
SRX 2284	81.7	94.7	98.0	6.3	7.3
SRX OG245	85.0	97.0	97.7	6.3	9.0
PST-B4-246	80.0	93.3	97.3	6.3	6.3
Princeton 105	89.3	97.0	99.0	6.0	8.7
Shamrock	88.3	97.3	99.0	6.0	8.3
HV 238	86.7	97.0	99.0	6.0	8.7
A98-139	86.7	97.0	99.0	6.0	8.7
Pro Seeds-453	86.7	96.7	99.0	6.0	8.0
Julia	86.7	96.3	99.0	6.0	8.7
SRX 26351	85.0	97.3	99.0	6.0	9.0
A97-1715	85.0	97.0	99.0	6.0	9.0
Pick 417	85.0	96.7	99.0	6.0	6.7
Marquis	85.0	96.0	99.0	6.0	8.7
Liberator	85.0	95.7	99.0	6.0	8.3
Pp H 7832	85.0	95.3	99.0	6.0	7.7
Total Eclipse	81.7	95.7	99.0	6.0	9.0
A93-200	80.0	97.0	99.0	6.0	9.0
Champagne	80.0	96.7	99.0	6.0	9.0
Chelsea	60.0	81.7	99.0	6.0	9.0
Ba 81-058	86.7	96.3	98.7	6.0	8.7

Jewel	85.0	97.0	98.7	6.0	9.0
PST-161	85.0	95.7	98.7	6.0	8.3
SRX 27921	83.3	96.0	98.7	6.0	8.3
PST-B5-125	83.3	95.3	98.7	6.0	7.0
SI A96-386	83.3	94.7	98.7	6.0	8.0
Bodacious	83.3	93.3	98.7	6.0	7.0
B5-45	81.7	90.0	98.7	6.0	8.7
A98-1275	88.3	96.3	98.3	6.0	9.0
Royale (A97-1336)	83.3	95.7	98.3	6.0	8.3
Pp H 7929	71.7	92.0	98.3	6.0	9.0
PST-H6-150	83.3	93.3	98.0	6.0	8.0
Hallmark	85.0	95.7	97.7	6.0	7.3
PST-1QG-27	83.3	94.7	97.7	6.0	8.0
A96-451	85.0	96.0	97.3	6.0	7.3
SRX 2394	88.3	94.3	97.0	6.0	7.3
DLF 76-9032	75.0	90.0	97.0	6.0	6.7
Boutique	86.7	96.3	96.3	6.0	7.3
Baritone	90.0	97.0	99.0	5.7	8.7
PST-1701	88.3	98.3	99.0	5.7	9.0
Rambo	88.3	97.0	99.0	5.7	9.0
Abbey	88.3	95.3	99.0	5.7	8.7
Jefferson	86.7	97.0	99.0	5.7	9.0
Pp H 6370	85.0	96.7	99.0	5.7	9.0
Brooklawn	85.0	96.3	99.0	5.7	8.3
A98-1028	83.3	96.7	99.0	5.7	9.0
A98-304	83.3	95.7	99.0	5.7	8.0
Allure	81.7	95.3	99.0	5.7	8.7
CVB-20631	70.0	91.7	99.0	5.7	8.0
Envicta	88.3	96.7	98.7	5.7	8.7
Alpine	88.3	96.0	98.7	5.7	9.0
Lily	86.7	95.0	98.7	5.7	9.0
H92-203	81.7	92.0	98.7	5.7	7.7
B5-43	76.7	90.0	98.7	5.7	8.7
BAR Pp 0471	85.0	92.3	98.3	5.7	7.3
DLF 76-9037	85.0	95.7	98.0	5.7	8.0
Goldrush	85.0	92.7	98.0	5.7	8.7
A97-1330	83.3	96.0	98.0	5.7	8.0
B3-171	81.7	95.7	98.0	5.7	8.0
B3-185	81.7	93.0	98.0	5.7	8.0
Showcase	85.0	96.0	97.7	5.7	8.3
North Star	83.3	95.3	97.7	5.7	8.7
Raven	90.7	96.3	99.0	5.3	8.3
Washington	90.0	98.0	99.0	5.3	9.0
A96-742	86.7	97.3	99.0	5.3	9.0
Baron	86.7	96.3	99.0	5.3	9.0
Coventry	85.0	97.7	99.0	5.3	8.3
Limerick	85.0	96.7	99.0	5.3	9.0
Fairfax	85.0	96.7	99.0	5.3	9.0
Chateau	85.0	96.3	99.0	5.3	9.0
Bariris	85.0	93.0	99.0	5.3	8.3
HV 140	83.3	97.3	99.0	5.3	9.0
Pp H 6366	83.3	96.7	99.0	5.3	7.0
DLF 76-9036	83.3	96.0	99.0	5.3	8.7

PST-108-79	83.3	94.0	99.0	5.3	8.7
Cabernet	80.0	96.3	99.0	5.3	8.7
B5-144	80.0	89.0	99.0	5.3	8.3
BH 00-6002	92.3	97.3	98.7	5.3	8.7
Misty	86.7	94.0	98.7	5.3	8.7
Bratitia	85.0	92.7	98.7	5.3	8.0
B4-128A	83.3	95.3	98.7	5.3	7.7
Julius	83.3	95.3	98.7	5.3	6.7
Limousine	86.7	96.3	98.3	5.3	8.3
Serene	86.7	93.0	98.3	5.3	7.0
PST-1804	85.0	96.0	98.3	5.3	8.3
Langara	85.0	95.7	97.7	5.3	8.3
BAR Pp 0468	83.3	95.3	97.3	5.3	7.7
Brilliant	83.3	95.7	97.0	5.3	7.0
Wellington	90.0	97.0	99.0	5.0	9.0
GO-9LM9	88.3	98.0	99.0	5.0	9.0
Eagleton	88.3	97.3	99.0	5.0	9.0
Kenblue	88.3	97.0	99.0	5.0	9.0
A97-857	76.7	93.3	99.0	5.0	8.3
Barzan	76.7	83.3	98.7	5.0	9.0
DLF 76-9034	53.3	70.0	98.7	5.0	9.0
LSD (0.05)	8.9	8.3	3.6	0.7	1.0

^a Percent of the plot area covered by the desired cultivar.

^b Color was rated on a scale of 1 to 9 where 1 = light green and 9 = ideal dark green.

^c Rust was rated on a scale of 1 to 9 where 9 = no damage. The rust was identified as *Puccinia graminis* ssp. *graminicola*