



R = 137383

2005 High-Maintenance Kentucky Bluegrass Cultivar Trial-2007 Data

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The National Turfgrass Evaluation Project (NTEP) has sponsored several regional Kentucky bluegrass cultivar trials conducted at most of the northern agricultural experiment stations. It includes 110 cultivars of Kentucky bluegrass. This trial was established in the fall of 2005. The area receives 3 to 4 lb N/1000 ft²/yr and is irrigated as needed. The objective of this study is to investigate cultivar performance under a high-maintenance cultural regime similar to that used on irrigated home lawns in Iowa.

The visual quality was evaluated monthly in 2007 from April through October (Table 1). The values listed under each month in Table 1 are the means of visual quality ratings made on three replicated plots. Visual quality was based on a scale of 9 to 1, with 9 = best quality, 6 = lowest acceptable quality, and 1 = worst quality. The yearly average of the monthly data for each cultivar was calculated and is listed in the last column (Mean). The first cultivar listed in Table 1 had the highest average visual quality rating for the entire 2007 season. Any of the cultivars with an average rating of 6 or above would be acceptable for Iowa conditions. The cultivars are listed in descending order by average quality. 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.

Data for genetic color (Gen Color) and leaf texture (Leaf Tex) were also collected in June 2007. Genetic color was rated using a 9 to 1 scale, with 9 = dark and 1 = light green. Leaf texture was assessed with a 9 to 1 scale, with 9 = fine and 1 = coarse texture. Spring green up (Greenup) data were taken in April 2007 and were estimated using a 9 to 1 scale, with 9 = green and 1 = dormant turf.

Table 1. 2007 visual quality and other ratings for the 2005 High-Maintenance Kentucky Bluegrass Cultivar Trial

NAME	GENCOLOR	GREENUP	LEAFTEX	APR	QUALITY						
					MAY	JUN	JUL	AUG	SEP	OCT	MEAN
A00-1400	8.3	6.3	6.3	7.0	7.7	8.3	8.3	7.3	8.7	7.7	7.9
BD 03-159	7.3	6.3	6.0	6.3	7.7	6.3	8.3	8.3	8.0	7.0	7.4
J-1326	8.3	5.0	6.3	5.0	8.0	8.0	7.3	7.7	8.3	7.3	7.4
SHIRAZ (LTP-73)	7.0	6.7	6.3	7.0	7.7	7.0	7.3	7.3	8.0	7.7	7.4
YANKEE (NA-3271)	7.0	4.0	6.0	5.0	7.7	7.3	7.7	8.3	7.7	8.3	7.4
BLUE NOTE (A01-349)	6.3	6.0	6.0	6.3	7.0	7.7	8.0	7.0	8.0	7.0	7.3
J-2399	8.3	4.7	6.0	5.0	7.7	6.7	7.3	7.7	8.7	8.3	7.3
BD 99-2103	8.0	7.0	5.7	7.0	7.3	7.0	7.0	6.0	8.3	7.7	7.2
SKYE	7.0	6.7	7.0	6.7	7.7	6.3	7.0	7.7	7.3	7.7	7.2
A99-2559	6.7	7.0	7.3	6.7	7.0	6.3	6.7	7.3	8.3	7.7	7.1
AKB449	8.0	3.7	6.0	4.0	7.0	7.7	7.3	7.7	8.3	7.7	7.1
AWARD	8.0	4.3	6.3	4.3	6.7	7.7	7.3	7.0	8.7	8.0	7.1
EVERGLADE	8.0	4.0	7.0	4.3	7.3	7.0	8.0	7.3	8.3	7.7	7.1
GLENMONT	7.7	6.3	6.0	6.3	7.0	7.7	7.7	6.7	7.7	7.0	7.1
J-3429	8.7	3.7	5.7	4.3	6.3	7.3	8.0	7.3	8.7	7.7	7.1
STARBURST (STR 2703)	6.3	7.0	6.0	7.3	6.3	6.3	7.0	6.3	8.3	8.0	7.1
A01-299	7.3	4.7	6.3	6.0	7.0	7.3	8.0	5.7	8.0	7.3	7.0
A97-1287	6.7	6.7	6.0	6.7	7.7	6.3	7.3	6.0	8.0	7.3	7.0
ARROWHEAD (NA-3261)	7.0	7.3	6.0	6.7	7.3	7.0	7.3	6.7	7.0	7.0	7.0
BD 03-84	7.0	5.7	6.0	6.0	7.3	7.3	8.0	6.7	6.7	6.7	7.0
BEWITCHED	8.3	4.3	5.7	5.7	7.0	8.0	8.3	6.3	7.0	6.3	7.0
CORSAIR (NA-3249)	7.3	6.7	6.3	6.3	7.3	6.3	6.7	6.7	8.3	7.3	7.0
EMBLEM (PST-Y2K-169)	8.0	4.0	6.7	4.7	7.3	6.7	7.0	8.0	7.7	8.0	7.0
J-1466	8.0	4.7	6.0	4.3	7.7	6.7	7.3	6.7	8.3	8.3	7.0
J-2870	8.3	3.3	6.3	4.3	8.0	7.3	7.7	6.3	8.3	7.3	7.0
MYSTERE	6.7	8.3	6.3	7.7	7.3	6.3	7.0	6.3	7.3	6.7	7.0
NU DESTINY	8.3	4.3	5.7	5.0	7.3	7.7	7.3	6.0	8.7	7.0	7.0
PSG 711	6.7	6.7	6.0	7.0	7.0	7.0	7.7	6.3	7.3	6.3	7.0
A99-3119	6.3	6.7	6.0	7.0	7.3	6.7	7.3	6.3	7.3	6.3	6.9
AVID	7.3	3.7	5.7	4.3	7.3	8.0	7.7	5.7	7.7	7.3	6.9
DYNAMO	7.3	6.0	6.3	4.3	7.7	7.3	6.7	8.0	7.0	7.3	6.9
J-2024	8.3	4.3	6.0	4.7	7.3	6.7	7.7	6.0	8.7	7.0	6.9
PINOT (LTP-149)	7.3	5.7	6.3	4.7	7.0	7.3	7.3	6.7	8.3	6.7	6.9
PROSPERITY	8.7	6.0	6.3	5.3	6.7	8.0	7.7	5.7	8.0	6.7	6.9
VOLT (A98-999)	6.0	7.0	6.0	6.3	7.0	5.7	6.7	7.0	7.7	7.7	6.9
AMERICA	7.0	6.3	6.3	6.7	6.7	7.3	7.7	6.3	6.3	6.3	6.8
ARGOS	6.3	6.3	6.0	6.0	7.3	7.0	8.0	5.7	7.3	6.3	6.8
EVEREST	8.3	3.7	6.3	4.3	7.3	8.0	6.3	6.3	8.0	7.3	6.8
EXCURSION	7.7	3.3	5.7	4.0	7.3	7.0	6.3	7.0	8.3	7.7	6.8
H94-305	6.3	7.0	6.7	7.0	6.0	6.0	8.0	7.3	6.3	7.0	6.8
JULIA	6.0	6.7	5.3	6.3	8.0	5.7	7.7	6.7	6.3	7.0	6.8
MSP 3724	7.0	6.3	6.3	6.0	6.3	7.0	8.7	7.0	6.3	6.3	6.8
PST-1A1-899	6.7	6.3	6.3	6.0	7.3	7.0	7.3	6.3	6.7	7.0	6.8
RAD-504	7.0	6.3	6.3	6.3	7.3	6.0	7.3	6.3	7.7	6.7	6.8
WILD HORSE (A97-890)	6.3	6.3	6.3	6.3	6.7	6.0	7.7	6.7	7.3	6.7	6.8
BAR VV 9634	5.7	6.0	6.0	5.7	6.7	6.0	7.0	7.3	7.0	7.3	6.7
DP 76-9081	6.0	6.7	6.3	6.0	6.0	5.3	7.7	6.3	8.0	7.3	6.7
H98-701	7.0	6.7	7.3	6.3	7.0	7.3	7.0	6.3	7.0	5.7	6.7
J-2791	7.7	4.3	5.3	5.0	7.3	7.0	6.3	6.0	8.0	7.0	6.7
MIDNIGHT	7.7	3.3	6.3	4.0	6.7	7.0	6.7	5.3	9.0	8.0	6.7
NA-3248	6.0	6.0	7.0	5.7	6.0	6.3	8.0	6.3	7.0	7.7	6.7
PST-101-73	6.7	6.0	6.7	6.7	6.3	7.0	7.7	6.0	6.7	6.3	6.7
PST-109-752	7.0	6.0	5.7	5.3	7.7	6.0	8.0	6.7	6.7	6.3	6.7
RHYTHM	7.7	4.0	6.7	4.3	7.3	6.7	6.7	5.7	8.3	7.7	6.7

SHAMROCK	6.0	5.7	6.0	6.3	6.7	6.3	7.3	6.7	7.0	6.3	6.7
1QG-38	6.7	6.7	6.3	6.3	7.0	6.3	7.7	6.0	6.3	6.3	6.6
A00-1254	7.3	7.0	6.3	6.0	7.3	7.0	7.0	5.3	7.0	6.7	6.6
BAR VV 0665	6.7	5.7	5.7	5.3	7.0	5.0	7.0	6.7	7.0	8.0	6.6
BAR VV 8536	6.7	6.3	5.7	5.3	7.0	6.3	7.7	7.0	5.7	7.0	6.6
BEYOND	7.3	4.0	6.3	4.0	7.0	6.7	7.0	6.0	8.3	7.0	6.6
J-2404	8.0	4.3	5.7	4.0	6.7	6.7	6.3	6.3	8.3	7.7	6.6
MSP 3722	7.0	4.3	5.3	4.7	7.3	6.7	7.3	7.3	7.0	6.0	6.6
PSG 366	6.3	5.7	6.3	6.0	7.0	6.0	7.0	6.0	7.7	6.7	6.6
PST-101-390	8.7	4.0	6.7	5.0	7.3	7.0	6.3	5.0	8.3	7.0	6.6
SPTR 2959	6.3	5.0	6.0	5.7	6.7	6.0	7.7	5.7	7.3	7.3	6.6
ZINFANDEL (LTP 2949)	7.3	4.7	6.3	4.7	7.0	6.3	7.7	6.0	7.7	6.7	6.6
A95-410	7.0	4.3	5.0	5.7	6.7	7.0	7.0	6.0	6.7	6.7	6.5
AVIATOR (NA-3259)	7.7	5.7	6.7	5.3	7.0	6.7	7.0	5.7	7.0	7.0	6.5
BARON	7.0	5.3	6.7	5.0	6.7	6.3	8.3	6.3	6.3	6.7	6.5
BD 98-1358	6.0	5.7	5.7	5.3	6.7	5.7	6.3	6.7	7.3	7.3	6.5
BLUEBERRY	7.3	5.3	6.0	5.3	7.3	7.3	6.3	5.3	7.0	7.0	6.5
J-1334	8.0	3.7	6.3	4.3	7.3	7.0	6.3	5.7	7.7	7.3	6.5
NA-3257	6.0	3.3	6.3	4.7	8.0	6.3	7.0	6.3	6.7	6.3	6.5
NUGLADE	8.0	4.0	6.3	4.3	7.0	7.0	5.7	6.0	7.3	8.0	6.5
RAD-0AN64	6.7	6.3	6.0	6.0	7.0	5.7	6.3	7.7	6.7	6.3	6.5
RAD-343	6.0	7.3	6.7	5.7	6.7	6.0	7.3	7.7	5.7	6.3	6.5
A98-948	6.0	6.0	6.3	6.3	6.3	5.7	6.7	6.0	6.7	7.3	6.4
BAR VV 9630	6.0	5.7	6.3	5.7	6.3	6.3	6.0	6.0	7.7	6.7	6.4
CPP 817	6.7	5.7	6.3	5.7	6.7	6.7	6.3	5.0	7.3	7.0	6.4
CPP 822	6.0	5.0	6.3	4.0	6.3	6.0	7.3	7.7	7.0	6.3	6.4
DIVA	6.7	6.0	6.7	6.3	7.0	6.7	6.0	5.3	7.0	6.3	6.4
IMPACT	8.0	4.0	6.0	4.3	6.7	7.0	6.0	5.3	8.3	7.3	6.4
J-2502	8.3	3.3	6.7	4.3	6.7	7.0	7.3	5.7	7.0	7.0	6.4
MSP 3723	7.3	5.3	6.7	6.3	6.3	7.3	7.3	5.3	6.0	6.3	6.4
RAD-762	5.7	6.0	7.3	6.0	6.3	6.0	7.3	7.0	5.7	6.3	6.4
STR 2553	6.3	5.7	6.0	5.7	7.0	6.3	7.3	5.7	7.0	6.0	6.4
A00-247	7.0	5.0	6.3	5.3	6.7	6.3	7.3	6.0	6.3	6.3	6.3
A98-689	6.0	6.0	6.0	6.3	6.3	5.7	6.3	6.3	6.7	6.7	6.3
BAR VV 0709	5.3	6.3	7.3	6.0	6.0	5.0	7.0	6.3	6.7	7.3	6.3
BD 98-2108	6.3	6.3	6.3	6.0	6.7	6.0	6.0	6.0	7.0	6.3	6.3
BLUESTONE	7.3	3.7	6.3	4.7	6.7	7.0	6.3	5.0	7.3	7.3	6.3
DLF 76-9075	6.3	5.3	6.0	4.7	6.3	7.0	7.0	6.0	7.0	6.3	6.3
RUGBY II	6.3	4.3	6.0	4.7	6.7	6.0	6.3	6.3	7.7	6.3	6.3
BANDERA (SPTR 2LM95)	7.3	4.0	5.3	4.0	6.3	6.7	7.0	7.3	6.0	6.0	6.2
BD 95-1930	6.0	6.3	7.0	6.0	6.0	6.3	6.7	6.3	6.0	6.0	6.2
POPR 04594	5.7	7.0	7.3	6.0	6.0	5.3	7.7	7.3	5.3	6.0	6.2
SW AG 514	6.3	4.0	5.7	3.7	5.3	7.0	7.3	7.7	6.0	6.7	6.2
WASHINGTON	5.3	6.7	6.0	6.0	6.0	5.3	7.0	7.7	5.7	5.7	6.2
BAR VK 0710	6.0	4.7	6.3	5.0	6.3	5.7	6.3	7.0	6.0	6.7	6.1
BARIRIS	6.0	5.3	6.3	5.3	6.3	5.7	7.0	5.3	6.3	6.7	6.1
DP 76-9066	7.0	4.0	6.0	4.3	6.3	6.0	6.7	6.0	7.0	6.3	6.1
BARRISTER	7.7	3.0	6.0	3.7	6.7	7.3	5.3	4.3	8.3	6.7	6.0
CP 76-9068	6.0	4.3	6.3	4.0	6.0	6.3	7.3	6.7	6.0	6.0	6.0
CPP 821	5.7	4.3	6.3	4.7	5.7	6.7	7.0	6.7	5.3	5.7	6.0
TOUCHE (STR 23180)	6.0	6.3	6.7	5.7	6.0	5.0	7.0	6.7	5.7	6.0	6.0
BELISSIMO	6.7	5.0	6.7	5.3	6.3	6.0	6.3	5.0	6.0	6.0	5.9
HARMONIE	6.0	4.0	6.3	4.0	6.0	6.3	6.3	6.0	6.3	6.0	5.9
STR 2485	5.7	5.3	6.0	4.3	6.0	5.3	7.0	6.3	6.0	6.0	5.9
KENBLUE	5.3	6.0	9.0	5.7	5.7	5.0	5.7	6.3	5.7	5.7	5.7

REVEILLE	6.3	3.7	6.7	4.3	6.0	5.0	6.0	5.7	6.7	6.0	5.7
LSD	1.1	1.5	1.0	1.2	1.5	1.3	2.3	1.8	1.3	1.4	0.8