

## 2005 High-Maintenance Kentucky Bluegrass Cultivar Trial-2006 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 4 lb N/1000 ft<sup>2</sup>/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 2006 from May 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 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 2006 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 2006. 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 greenup (Greenup) data were taken in April 2006 and were estimated using a 9 to 1 scale with 9 = green and 1 = dormant turf. In June and September 2006, considerable leaf spot damage was observed on some cultivars. Leaf spot ratings were made on a scale of 9=no damage and 1=most severely damaged.

**Table 1.** 2006 visual quality and other ratings for the 2005 High-Maintenance Kentucky Bluegrass Cultivar Trial

Kentucky Bluegrass Cultivar	Visual Quality										
	GENCOLOR	LEAFTEX	GRCOVSPR	GRCOVFAL	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
A00-1400	9.0	7.7	65.0	36.7	6.3	6.0	8.3	8.0	8.0	8.3	7.5
CRUSADER (NA-3271)	7.3	8.0	71.7	43.3	7.0	7.3	7.0	7.3	8.0	8.3	7.5
NU DESTINY	8.7	8.0	73.3	36.7	6.3	7.0	7.3	7.3	8.0	8.3	7.4
NUGLADE	9.0	7.3	78.3	46.7	7.0	6.7	7.0	7.7	8.3	7.7	7.4
BD 03-159	8.7	7.0	86.7	53.3	7.0	6.0	8.0	7.3	7.7	8.0	7.3
BEWITCHED	9.0	7.7	48.3	40.0	5.7	6.0	7.3	8.3	8.3	8.0	7.3
EXCURSION	8.3	7.7	70.0	46.7	6.7	6.3	7.3	7.7	8.0	7.7	7.3
J-2870	8.0	7.7	63.3	36.7	6.0	6.3	7.3	7.3	8.7	8.0	7.3
A01-299	8.0	8.0	66.7	56.7	6.3	7.0	7.3	7.3	7.7	7.3	7.2
AKB449	7.0	7.0	70.0	33.3	6.3	7.0	8.0	7.0	7.0	7.7	7.2
J-1326	7.3	7.3	68.3	46.7	6.7	6.0	7.0	7.3	8.0	8.0	7.2
J-1466	8.3	7.3	65.0	36.7	6.3	5.7	8.0	7.7	7.7	7.7	7.2
MYSTERE	8.0	7.7	71.7	46.7	6.7	7.0	7.3	7.0	6.7	8.3	7.2
BD 99-2103	8.0	7.3	60.0	50.0	5.3	5.0	8.0	7.7	8.7	7.7	7.1
J-1334	7.7	7.7	61.7	33.3	5.7	6.0	7.7	7.7	8.7	7.0	7.1
J-2399	7.7	8.0	60.0	46.7	6.3	6.7	6.7	7.0	7.7	8.3	7.1
J-3429	8.3	8.0	75.0	43.3	5.3	6.0	7.7	7.0	8.7	7.7	7.1
J-2502	8.7	7.3	73.3	40.0	6.0	5.3	7.3	7.3	7.7	8.3	7.0
A99-2559	8.0	8.3	78.3	43.3	6.7	6.7	7.0	6.3	7.3	7.3	6.9
ARROWHEAD (NA-3261)	7.3	8.0	65.0	33.3	5.0	6.3	7.3	8.0	7.0	8.0	6.9
LTP-149	8.7	6.7	55.0	25.0	5.7	5.3	7.3	7.0	7.7	8.3	6.9
MIDNIGHT	9.0	8.3	71.7	50.0	6.3	6.3	7.0	6.3	8.0	7.3	6.9
RUGBY II	6.7	7.0	70.0	43.3	6.7	7.0	6.3	6.7	7.3	7.7	6.9
STARBURST (STR 2703)	7.7	7.0	68.3	40.0	6.3	6.0	7.0	7.0	8.3	7.0	6.9
AWARD	7.7	7.7	63.3	43.3	5.7	6.0	6.0	6.7	8.7	7.7	6.8
BD 03-84	8.3	7.0	61.7	40.0	6.0	6.0	6.7	6.7	7.7	7.7	6.8
BEYOND	8.3	7.3	76.7	46.7	6.3	6.3	6.3	7.0	7.7	7.3	6.8
DYNAMO	6.7	6.3	56.7	30.0	5.3	6.0	7.3	7.3	7.3	7.3	6.8
EVEREST	7.0	7.7	68.3	46.7	5.0	5.0	6.7	8.0	8.7	7.7	6.8
H94-305	7.3	8.3	88.3	56.7	8.0	6.3	7.0	7.7	6.0	6.0	6.8
IMPACT	8.3	7.3	66.7	36.7	5.7	5.7	7.0	7.3	8.0	7.0	6.8
J-2024	8.7	8.0	60.0	36.7	5.3	6.3	6.7	7.0	8.0	7.3	6.8
LTP 2949	9.0	8.0	61.7	46.7	5.7	5.3	8.0	6.7	8.3	7.0	6.8
LTP-73	8.7	7.7	68.3	40.0	5.7	6.0	8.0	6.3	7.7	7.0	6.8
PSG 366	7.7	7.3	66.7	46.7	5.0	6.3	7.0	7.0	7.7	8.0	6.8
PST-1A1-899	8.0	7.3	63.3	40.0	6.3	6.7	7.0	6.3	7.7	6.7	6.8
RAD-504	7.7	8.0	63.3	30.0	5.3	5.7	7.3	6.7	8.3	7.7	6.8
RHYTHM	8.7	7.7	58.3	30.0	5.7	5.3	7.3	7.3	7.3	7.7	6.8
SKYE	7.3	8.0	68.3	40.0	6.0	6.7	6.7	6.3	7.7	7.3	6.8
ARGOS	8.7	8.0	63.3	40.0	5.7	6.0	6.3	6.3	7.7	8.0	6.7
BLUEBERRY	8.7	7.3	51.7	30.0	4.7	5.0	7.0	7.3	7.7	8.3	6.7
EVERGLADE	7.7	7.7	73.3	40.0	5.3	6.3	6.3	7.3	8.0	7.0	6.7
J-2404	8.3	7.7	61.7	40.0	5.3	5.3	7.0	7.3	8.0	7.0	6.7
JULIA	6.7	7.7	78.3	46.7	7.0	6.7	6.7	6.0	6.7	7.3	6.7
NA-3259	7.0	8.0	60.0	43.3	5.0	5.3	7.3	7.3	7.3	7.7	6.7
SHAMROCK	6.3	7.7	78.3	56.7	6.0	6.7	6.0	6.3	7.0	8.0	6.7
A97-1287	8.3	7.3	58.3	43.3	5.3	5.7	7.0	6.3	7.7	7.3	6.6

A98-999	6.0	8.0	75.0	43.3	6.3	6.7	6.0	6.0	7.0	7.7	6.6
AMERICA	7.7	7.3	66.7	46.7	5.7	6.3	6.7	7.0	7.0	6.7	6.6
BAR VV 0709	6.3	8.3	84.7	43.3	7.3	6.3	6.0	6.0	6.7	7.0	6.6
BARRISTER	8.3	7.3	55.0	30.0	5.7	6.3	7.0	6.7	7.0	7.0	6.6
BD 98-1358	6.0	7.7	70.0	43.3	6.0	6.7	6.3	6.7	6.7	7.3	6.6
EMBLEM (PST-Y2K-169)	7.7	7.7	58.3	40.0	5.7	4.7	7.3	6.7	7.7	7.7	6.6
POPR 04594	7.0	8.0	93.3	86.7	7.7	6.3	6.0	6.7	6.3	6.3	6.6
PST-109-752	7.0	8.0	78.3	48.3	7.0	6.7	6.7	6.0	6.0	7.0	6.6
RAD-343	6.7	8.3	81.7	50.0	7.3	7.0	6.0	6.0	6.0	7.0	6.6
TOUCHE (STR 23180)	6.7	8.3	70.0	36.7	7.3	6.7	6.3	6.0	6.7	6.7	6.6
J-2791	8.7	7.0	50.0	21.7	5.0	5.3	7.0	7.0	7.3	7.3	6.5
WASHINGTON	5.3	8.0	80.0	56.7	7.3	7.0	6.0	6.0	6.0	6.7	6.5
A01-349	6.7	8.0	65.0	33.3	5.0	5.7	5.7	7.0	8.0	7.3	6.4
A95-410	8.3	6.7	56.7	43.3	5.0	5.7	7.3	6.7	6.7	7.0	6.4
A97-890	6.3	7.0	65.0	46.7	5.7	6.3	6.0	6.0	6.7	7.7	6.4
BAR VV 0665	6.0	8.3	73.3	40.0	6.0	6.3	6.3	6.3	6.3	7.3	6.4
BAR VV 8536	6.7	6.3	65.0	40.0	5.0	6.3	7.0	6.3	7.0	7.0	6.4
BAR VV 9634	5.7	8.0	68.3	46.7	6.7	6.7	6.0	6.0	6.0	7.3	6.4
BARON	6.0	6.3	73.3	46.7	5.3	6.0	7.3	6.7	6.0	7.3	6.4
BD 95-1930	6.0	8.0	83.3	50.0	7.3	7.0	6.0	6.0	6.0	6.3	6.4
CORSAIR (NA-3249)	7.3	8.0	56.7	33.3	5.3	5.0	6.7	7.0	8.0	6.7	6.4
DP 76-9066	7.0	7.7	56.7	43.3	5.3	5.3	6.7	7.3	6.3	7.7	6.4
DP 76-9081	7.0	8.3	83.3	40.0	7.3	6.0	6.0	6.3	6.3	6.7	6.4
KENBLUE	7.7	8.7	88.0	56.7	7.7	6.7	6.3	6.0	6.0	5.7	6.4
MSP 3722	8.0	7.7	63.3	40.0	5.3	6.0	7.3	6.0	6.7	7.0	6.4
MSP 3723	8.3	7.7	60.0	36.7	5.3	5.3	7.0	7.0	7.7	6.0	6.4
PST-101-390	9.0	8.0	63.3	40.0	5.0	5.7	7.0	6.0	7.3	7.3	6.4
RAD-762	7.0	8.0	68.3	36.7	7.0	6.7	6.0	6.0	6.0	7.0	6.4
1QG-38	7.7	8.0	58.3	36.7	5.0	5.0	7.3	7.0	7.3	6.0	6.3
A98-948	6.0	8.0	73.3	50.0	5.7	6.0	6.3	6.3	6.3	7.0	6.3
A99-3119	8.3	7.7	55.0	40.0	5.0	5.7	6.3	6.7	7.0	7.0	6.3
AVID	8.7	6.3	60.0	33.3	4.7	5.0	7.0	6.0	8.0	7.0	6.3
BD 98-2108	8.3	8.0	53.3	43.3	5.3	5.0	6.7	6.3	7.3	7.0	6.3
GLENMONT	6.7	7.7	56.7	36.7	5.3	5.0	6.7	6.7	7.3	7.0	6.3
PROSPERITY	7.7	8.0	61.7	33.3	4.7	5.3	6.7	6.3	8.0	6.7	6.3
A00-1254	7.7	8.0	61.7	36.7	5.0	5.7	5.7	6.3	7.3	7.0	6.2
BAR VK 0710	7.0	8.0	56.7	43.3	5.7	6.3	6.3	6.0	6.0	6.7	6.2
H98-701	6.7	7.7	63.3	36.7	5.0	6.0	6.3	6.3	7.0	6.7	6.2
MSP 3724	7.7	7.7	60.0	53.3	5.0	5.3	6.7	7.3	7.0	5.7	6.2
NA-3257	7.7	7.3	53.3	26.7	4.3	5.7	6.3	6.0	7.7	7.0	6.2
PSG 711	7.0	7.7	63.3	46.7	5.0	4.7	7.0	6.7	7.0	7.0	6.2
RAD-0AN64	7.3	6.7	55.0	30.0	5.3	5.3	7.7	5.7	6.0	7.3	6.2
SPTR 2959	6.7	7.7	58.3	36.7	5.3	5.7	6.0	6.3	6.7	7.3	6.2
BARIRIS	6.7	8.0	76.7	50.0	6.0	5.7	6.0	6.0	6.3	6.3	6.1
BELISSIMO	7.3	8.0	68.3	46.7	5.0	5.3	6.3	6.0	7.0	7.0	6.1
BLUESTONE	7.3	7.3	61.7	36.7	4.7	5.0	6.0	6.0	7.7	7.3	6.1
CPP 817	7.3	8.7	70.0	60.0	5.0	6.3	5.7	6.0	7.3	6.0	6.1
DLF 76-9075	6.7	8.0	66.7	53.3	6.0	6.3	6.0	6.0	6.0	6.3	6.1
HARMONIE	6.3	8.0	68.3	36.7	5.3	6.3	6.0	5.7	7.0	6.0	6.1
NA-3248	6.7	8.0	60.0	43.3	5.0	5.3	5.7	6.3	7.3	7.0	6.1

<b>PST-101-73</b>	7.7	7.7	53.3	36.7	4.7	5.3	6.7	6.3	7.3	6.3	6.1
<b>STR 2485</b>	6.0	8.0	65.0	33.3	6.3	6.0	6.3	6.0	6.0	6.0	6.1
<b>STR 2553</b>	7.0	8.0	48.3	26.7	4.7	4.7	6.7	7.7	6.7	6.3	6.1
<b>A98-689</b>	6.0	7.3	53.3	30.0	4.7	4.7	5.3	6.3	6.7	7.7	5.9
<b>BANDERA (SPTR 2LM95)</b>	8.0	6.3	58.3	36.7	5.3	5.0	6.0	6.0	6.3	6.7	5.9
<b>BAR VV 9630</b>	6.7	7.0	61.7	40.0	6.0	5.7	5.7	5.7	6.3	6.3	5.9
<b>CP 76-9068</b>	6.3	8.3	66.7	56.7	5.0	6.3	5.7	5.7	6.7	6.0	5.9
<b>CPP 822</b>	6.7	7.0	60.0	25.0	5.0	5.7	6.3	6.0	7.0	5.7	5.9
<b>REVEILLE</b>	6.3	8.3	51.7	26.7	6.7	5.7	5.7	5.0	6.0	6.3	5.9
<b>SW AG 514</b>	6.7	7.7	56.7	40.0	5.3	6.0	6.0	5.7	6.0	6.3	5.9
<b>CPP 821</b>	6.3	8.0	60.0	36.7	4.7	5.3	5.7	6.3	7.0	5.7	5.8
<b>A00-247</b>	7.3	7.7	48.3	36.7	4.3	4.0	6.3	6.0	7.3	6.3	5.7
<b>DIVA</b>	8.0	8.0	48.3	33.3	4.3	4.7	5.7	5.3	7.0	6.3	5.6
<b>LSD</b>	1.4	1.0	21.3	19.1	1.4	2.0	1.4	1.6	1.4	1.7	0.8