

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 1999-2002 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2008 NATIONAL BENTGRASS TEST
(Fairway/Tee)

LOCATIONS SUBMITTING DATA FOR 2011

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville	AR1
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Minnesota	St. Paul	MN1
New Jersey	North Brunswick	NJ1
New York	Farmingdale (Bethpage State Park - Low Input)	NY2
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Utah	Logan (Drought)	UT1
Virginia	Radford	VA5
Washington	Puyallup	WA3
Wisconsin	Madison	WI1

2008 NATIONAL BENTGRASS TEST
(Fairway/Tee)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
* 1	Penncross	creeping	Standard entry
* 2	Crystal Bluelinks	creeping	Standard entry
* 3	Benchmark DSR	creeping	Turf Merchants
* 4	Declaration	creeping	Lebanon Seaboard Corp.
* 5	Proclamation (LTP-FEC)	creeping	Lebanon Seaboard Corp.
* 6	L-93	creeping	Standard entry
* 7	T-1	creeping	Jacklin Seed by Simplot
* 8	Authority	creeping	John Deere Landscapes
* 9	CY-2	creeping	Snow Brand Seed USA
10	Barracuda (MVS-AP-101)	creeping	Mountain View Seeds
* 11	Memorial	creeping	Landmark Turf+Native Seed
12	A08-EBM	colonial	The Scotts Company
* 13	Luminary (A08-TDN2)	creeping	Landmark Turf+Native Seed
14	A08-FT12	colonial	The Scotts Company
15	SRP-1WM	creeping	Seed Research of Oregon
* 16	007	creeping	Seed Research of Oregon
17	Pure Select (PST-OJD)	creeping	Pure-Seed Testing
18	PST-R9D7	colonial	Pure-Seed Testing
* 19	Princeville	creeping	John Deere Landscapes
* 20	Pin-Up (HTM)	creeping	ProSeeds Marketing
21	BCD	colonial	ProSeeds Marketing
* 22	Tiger II	colonial	Standard entry
* 23	Greentime	colonial	Standard entry

* COMMERCIALY AVAILABLE IN THE USA IN 2012.

TABLE A.

2011 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2008 NATIONAL BENTGRASS (FAIRWAY/TEE) TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AR1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	241-375	2.1-3.0	UNIFORM SHADE	2.1-2.5	NO IRRIGATION
KY1	SILT LOAM AND SILT	6.6-7.0	451+	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	5.6-6.0	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY2	LOAMY SAND	7.1-7.5	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	SILT LOAM AND SILT	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	-	-	-	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
UT1	-	-	-	-	-	-	-	-
VA5	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
WA3	SANDY LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2011

LOCATION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY
	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING	QUALITY RATING				
AR1				X	X	X	X	X	X		X					
IL1				X	X	X	X	X	X	X			X	X		
IL2			X	X	X	X	X	X	X							
KY1			X	X	X	X	X	X	X	X						
MA1				X	X	X	X	X	X	X	X	X		X		
MD1				X	X	X	X	X	X	X	X					
MN1					X	X	X						X			
NJ1				X	X	X	X	X	X	X			X	X	X	X
NY2				X	X	X	X	X	X	X				X		
PA1					X	X	X	X	X	X			X			
RI1				X	X	X	X	X	X	X	X		X	X		
UT1					X	X	X	X	X	X				X		
VA5				X	X	X	X	X	X	X	X		X			
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X			
WI1					X	X	X	X	X	X			X	X		

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011

LOCATION	PERCENT COVER SPRING	PERCENT COVER SUMMER	WINTER COLOR	DOLLAR SPOT	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	ANTHRACNOSE RATINGS	PINK SNOW MOLD	ARMY WORM DAMAGE	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	MOWING QUALITY	HEAT STRESS	COUNTS DOLLAR SPOT	DOLLAR SPOT SEP	SPOT OCT	WEAR JUN	TOLERANCE AUG	OCT	
AR1																				
IL1										X										
IL2		X																		
KY1			X		X															
MA1														X		X	X	X	X	
MD1																				
MN1																				
NJ1			X			X														
NY2																				
PA1											X	X								
RI1							X	X	X				X		X	X				
UT1	X																			
VA5			X																	
WA3			X	X																
WI1								X												

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 1 **/
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	PA1	MD1	VA5	KY1	IL1	MEAN
* AUTHORITY	7.5	7.0	7.0	7.2	6.0	6.9
SRP-1WM	7.4	6.9	6.9	7.1	5.9	6.8
* 007	7.2	6.8	6.9	7.0	5.9	6.8
* T-1	7.2	6.9	6.8	7.2	5.8	6.8
* LUMINARY (A08-TDN2)	6.9	6.8	7.0	7.1	6.0	6.7
BARRACUDA (MVS-AP-101)	6.8	6.8	6.9	7.1	5.9	6.7
* PROCLAMATION (LTP-FEC)	7.3	6.7	6.7	6.8	5.8	6.7
* CY-2	6.6	6.6	6.7	6.8	5.7	6.5
* CRYSTAL BLUELINKS	6.3	6.6	6.7	6.9	5.7	6.5
* BENCHMARK DSR	6.8	6.6	6.5	6.8	5.5	6.4
* PIN-UP (HTM)	6.9	6.4	6.6	6.5	5.6	6.4
PURE SELECT (PST-OJD)	7.0	6.4	6.5	6.6	5.6	6.4
* L-93	6.1	6.6	6.7	7.0	5.6	6.4
* DECLARATION	6.6	6.3	6.5	6.6	5.5	6.3
* MEMORIAL	5.6	6.5	6.7	6.9	5.6	6.3
A08-EBM	4.1	5.4	5.9	5.7	4.7	5.2
* PENNCROSS	4.2	5.5	5.6	5.9	4.5	5.2
A08-FT12	4.4	5.2	5.8	5.4	4.6	5.1
* GREENTIME	3.7	5.3	5.8	5.7	4.6	5.0
* PRINCEVILLE	4.0	5.2	5.5	5.6	4.4	4.9
* TIGER II	3.8	5.1	5.6	5.4	4.5	4.9
BCD	4.0	4.9	5.5	5.1	4.4	4.8
PST-R9D7	2.5	4.3	4.8	4.7	3.6	4.0
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	10.2	9.7	9.3	9.2	11.2	9.9

* COMMERCIALY AVAILABLE IN THE USA IN 2012.

**/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 1B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 1 */
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	MD1	VA5	KY1	IL1	MEAN
AUTHORITY	7.5	7.0	7.0	7.2	6.0	6.9
SRP-1WM	7.4	6.9	6.9	7.1	5.9	6.8
007	7.2	6.8	6.9	7.0	5.9	6.8
T-1	7.2	6.9	6.8	7.2	5.8	6.8
LUMINARY (A08-TDN2)	6.9	6.8	7.0	7.1	6.0	6.7
BARRACUDA (MVS-AP-101)	6.8	6.8	6.9	7.1	5.9	6.7
PROCLAMATION (LTP-FEC)	7.3	6.7	6.7	6.8	5.8	6.7
CY-2	6.6	6.6	6.7	6.8	5.7	6.5
CRYSTAL BLUELINKS	6.3	6.6	6.7	6.9	5.7	6.5
BENCHMARK DSR	6.8	6.6	6.5	6.8	5.5	6.4
PIN-UP (HTM)	6.9	6.4	6.6	6.5	5.6	6.4
PURE SELECT (PST-OJD)	7.0	6.4	6.5	6.6	5.6	6.4
L-93	6.1	6.6	6.7	7.0	5.6	6.4
DECLARATION	6.6	6.3	6.5	6.6	5.5	6.3
MEMORIAL	5.6	6.5	6.7	6.9	5.6	6.3
PENNCROSS	4.2	5.5	5.6	5.9	4.5	5.2
PRINCEVILLE	4.0	5.2	5.5	5.6	4.4	4.9
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.1	9.1	9.0	8.7	10.6	9.3

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 1 */
2011 DATA

NAME	PA1	MD1	VA5	KY1	IL1	MEAN
A08-EBM	4.1	5.4	5.9	5.7	4.7	5.2
A08-FT12	4.4	5.2	5.8	5.4	4.6	5.1
GREENTIME	3.7	5.3	5.8	5.7	4.6	5.0
TIGER II	3.8	5.1	5.6	5.4	4.5	4.9
BCD	4.0	4.9	5.5	5.1	4.4	4.8
PST-R9D7	2.5	4.3	4.8	4.7	3.6	4.0
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	15.8	11.8	10.6	11.1	13.5	12.3

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 2 */
2011 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					MEAN
	MA1	NJ1	RI1	WI1	WA3	
PIN-UP (HTM)	6.5	7.3	6.4	6.5	5.7	6.5
LUMINARY (A08-TDN2)	6.6	6.6	6.5	6.9	5.9	6.5
007	6.5	6.8	6.2	6.8	5.7	6.4
BARRACUDA (MVS-AP-101)	6.5	6.3	6.4	6.9	5.8	6.4
AUTHORITY	6.4	6.5	6.0	6.9	5.6	6.3
PROCLAMATION (LTP-FEC)	6.4	6.8	6.0	6.6	5.5	6.3
SRP-1WM	6.3	6.4	5.9	6.8	5.5	6.2
DECLARATION	6.2	6.6	6.1	6.4	5.5	6.2
CY-2	6.2	6.1	6.1	6.6	5.6	6.1
PURE SELECT (PST-OJD)	6.2	6.6	5.9	6.4	5.3	6.1
CRYSTAL BLUELINKS	6.1	5.5	6.1	6.7	5.5	6.0
A08-FT12	5.9	6.2	6.7	5.8	5.4	6.0
MEMORIAL	6.1	4.9	6.3	6.7	5.6	5.9
BCD	5.7	6.1	6.7	5.5	5.3	5.9
A08-EBM	5.8	5.2	6.7	5.9	5.4	5.8
L-93	5.9	5.0	5.9	6.6	5.4	5.7
T-1	5.9	5.4	5.4	6.7	5.2	5.7
TIGER II	5.5	5.1	6.5	5.6	5.2	5.6
BENCHMARK DSR	5.8	5.4	5.3	6.4	5.0	5.6
GREENTIME	5.5	4.5	6.4	5.8	5.2	5.5
PRINCEVILLE	4.9	3.7	5.5	5.5	4.6	4.8
PENNCROSS	4.8	3.2	5.2	5.6	4.5	4.7
PST-R9D7	4.4	3.1	5.4	4.8	4.2	4.4
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	10.0	10.5	9.8	9.4	11.1	10.1

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 2 */
 2011 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	RI1	WI1	WA3	MEAN
PIN-UP (HTM)	6.5	7.3	6.4	6.5	5.7	6.5
LUMINARY (A08-TDN2)	6.6	6.6	6.5	6.9	5.9	6.5
007	6.5	6.8	6.2	6.8	5.7	6.4
BARRACUDA (MVS-AP-101)	6.5	6.3	6.4	6.9	5.8	6.4
AUTHORITY	6.4	6.5	6.0	6.9	5.6	6.3
PROCLAMATION (LTP-FEC)	6.4	6.8	6.0	6.6	5.5	6.3
SRP-1WM	6.3	6.4	5.9	6.8	5.5	6.2
DECLARATION	6.2	6.6	6.1	6.4	5.5	6.2
CY-2	6.2	6.1	6.1	6.6	5.6	6.1
PURE SELECT (PST-OJD)	6.2	6.6	5.9	6.4	5.3	6.1
CRYSTAL BLUELINKS	6.1	5.5	6.1	6.7	5.5	6.0
MEMORIAL	6.1	4.9	6.3	6.7	5.6	5.9
L-93	5.9	5.0	5.9	6.6	5.4	5.7
T-1	5.9	5.4	5.4	6.7	5.2	5.7
BENCHMARK DSR	5.8	5.4	5.3	6.4	5.0	5.6
PRINCEVILLE	4.9	3.7	5.5	5.5	4.6	4.8
PENNCROSS	4.8	3.2	5.2	5.6	4.5	4.7
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.7	10.2	10.0	9.1	11.0	9.9

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE AT FIVE LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 2 */
 2011 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	RI1	WI1	WA3	MEAN
A08-FT12	5.9	6.2	6.7	5.8	5.4	6.0
BCD	5.7	6.1	6.7	5.5	5.3	5.9
A08-EBM	5.8	5.2	6.7	5.9	5.4	5.8
TIGER II	5.5	5.1	6.5	5.6	5.2	5.6
GREENTIME	5.5	4.5	6.4	5.8	5.2	5.5
PST-R9D7	4.4	3.1	5.4	4.8	4.2	4.4
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	10.8	11.8	9.2	10.6	11.6	10.7

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT TWO LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 3 */
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MN1	AR1	MEAN
MEMORIAL	6.6	6.4	6.5
L-93	6.5	6.1	6.3
CRYSTAL BLUELINKS	6.3	6.1	6.2
T-1	6.5	5.6	6.1
BARRACUDA (MVS-AP-101)	6.1	6.1	6.1
LUMINARY (A08-TDN2)	6.0	6.0	6.0
AUTHORITY	6.1	5.7	5.9
SRP-1WM	6.0	5.6	5.8
CY-2	5.8	5.8	5.8
PENNCROSS	5.9	5.6	5.8
BENCHMARK DSR	6.1	5.4	5.8
Q07	5.7	5.7	5.7
GREENTIME	5.2	6.1	5.6
PROCLAMATION (LTP-FEC)	5.5	5.4	5.4
A08-EBM	4.8	6.0	5.4
PRINCEVILLE	5.3	5.5	5.4
DECLARATION	5.2	5.4	5.3
PURE SELECT (PST-OJD)	5.2	5.2	5.2
PIN-UP (HTM)	4.8	5.4	5.1
TIGER II	4.4	5.7	5.1
PST-R9D7	4.3	5.2	4.8
A08-FT12	4.0	5.5	4.7
BCD	3.6	5.3	4.4
LSD VALUE	0.9	0.9	0.9
C.V. (%)	10.8	10.4	10.6

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT TWO LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 3 */
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MN1	AR1	MEAN
MEMORIAL	6.6	6.4	6.5
L-93	6.5	6.1	6.3
CRYSTAL BLUELINKS	6.3	6.1	6.2
T-1	6.5	5.6	6.1
BARRACUDA (MVS-AP-101)	6.1	6.1	6.1
LUMINARY (A08-TDN2)	6.0	6.0	6.0
AUTHORITY	6.1	5.7	5.9
SRP-1WM	6.0	5.6	5.8
CY-2	5.8	5.8	5.8
PENNCROSS	5.9	5.6	5.8
BENCHMARK DSR	6.1	5.4	5.8
007	5.7	5.7	5.7
PROCLAMATION (LTP-FEC)	5.5	5.4	5.4
PRINCEVILLE	5.3	5.5	5.4
DECLARATION	5.2	5.4	5.3
PURE SELECT (PST-OJD)	5.2	5.2	5.2
PIN-UP (HTM)	4.8	5.4	5.1
LSD VALUE	0.9	0.9	0.9
C.V. (%)	10.8	10.4	10.6

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE AT TWO LOCATIONS IN THE U.S. AND CANADA FOR AMMI GROUP 3 */
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MN1	AR1	MEAN
GREENTIME	5.2	6.1	5.6
A08-EBM	4.8	6.0	5.4
TIGER II	4.4	5.7	5.1
PST-R9D7	4.3	5.2	4.8
A08-FT12	4.0	5.5	4.7
BCD	3.6	5.3	4.4
LSD VALUE	0.9	0.9	0.9
C.V. (%)	13.5	10.5	11.8

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER SHADE AT CARBONDALE, IL 1/
2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SUMMER	QUALITY RATINGS						MEAN	
		MAR	APR	MAY	JUN	JUL	AUG		SEP
PENNCROSS	61.7	6.7	7.7	7.3	5.3	7.3	5.7	6.0	6.6
BARRACUDA (MVS-AP-101)	72.0	5.0	6.3	6.3	6.0	7.7	7.0	6.7	6.4
CY-2	56.3	5.0	6.0	7.7	5.7	7.7	5.3	6.0	6.2
AUTHORITY	62.7	4.7	5.3	7.0	5.7	7.3	6.7	6.3	6.1
CRYSTAL BLUELINKS	54.7	5.0	6.3	7.3	5.3	6.7	6.0	6.3	6.1
DECLARATION	60.3	5.0	6.3	6.3	5.0	5.7	5.7	6.3	5.8
PST-R9D7	44.3	6.0	7.3	6.3	4.7	5.3	5.0	4.3	5.6
MEMORIAL	51.3	4.3	6.0	7.3	5.3	5.7	5.0	5.0	5.5
PROCLAMATION (LTP-FEC)	52.7	4.7	6.0	6.3	5.3	6.7	4.7	5.0	5.5
A08-FT12	35.7	6.3	6.3	6.0	5.7	5.3	3.7	4.3	5.4
BCD	41.3	5.7	6.3	6.7	4.7	5.3	4.7	4.7	5.4
L-93	51.0	4.7	5.3	6.0	4.7	5.7	6.0	5.3	5.4
LUMINARY (A08-TDN2)	53.0	4.3	5.3	5.0	5.3	7.0	5.3	5.7	5.4
PURE SELECT (PST-OJD)	54.0	5.0	5.7	5.7	4.7	6.7	5.0	5.3	5.4
007	49.0	5.3	6.0	6.0	4.3	6.0	5.0	4.7	5.3
A08-EBM	49.7	5.0	5.3	6.3	4.7	5.7	4.7	5.0	5.2
T-1	53.3	4.7	5.3	5.7	5.3	6.3	4.7	4.3	5.2
BENCHMARK DSR	29.3	4.7	6.0	5.7	4.0	5.0	4.0	3.7	4.7
PIN-UP (HTM)	45.0	4.0	4.7	4.7	5.0	5.7	4.7	4.3	4.7
PRINCEVILLE	46.0	3.7	4.3	5.0	4.3	5.3	5.3	5.0	4.7
SRP-1WM	39.3	4.0	5.0	5.3	5.0	5.7	4.0	4.0	4.7
TIGER II	27.3	2.7	3.7	4.0	3.3	3.7	3.3	3.7	3.5
GREENTIME	4.7	2.0	2.3	2.0	2.0	1.7	1.3	1.3	1.8
LSD VALUE	27.5	2.4	2.6	2.2	1.2	2.2	2.1	1.7	1.5
C.V. (%)	30.6	25.1	23.0	20.4	14.6	21.1	23.2	20.1	16.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER SHADE AT CARBONDALE, IL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER		QUALITY RATINGS							MEAN
	SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP		
PENNCROSS	61.7	6.7	7.7	7.3	5.3	7.3	5.7	6.0	6.6	
BARRACUDA (MVS-AP-101)	72.0	5.0	6.3	6.3	6.0	7.7	7.0	6.7	6.4	
CY-2	56.3	5.0	6.0	7.7	5.7	7.7	5.3	6.0	6.2	
AUTHORITY	62.7	4.7	5.3	7.0	5.7	7.3	6.7	6.3	6.1	
CRYSTAL BLUELINKS	54.7	5.0	6.3	7.3	5.3	6.7	6.0	6.3	6.1	
DECLARATION	60.3	5.0	6.3	6.3	5.0	5.7	5.7	6.3	5.8	
MEMORIAL	51.3	4.3	6.0	7.3	5.3	5.7	5.0	5.0	5.5	
PROCLAMATION (LTP-FEC)	52.7	4.7	6.0	6.3	5.3	6.7	4.7	5.0	5.5	
L-93	51.0	4.7	5.3	6.0	4.7	5.7	6.0	5.3	5.4	
LUMINARY (A08-TDN2)	53.0	4.3	5.3	5.0	5.3	7.0	5.3	5.7	5.4	
PURE SELECT (PST-OJD)	54.0	5.0	5.7	5.7	4.7	6.7	5.0	5.3	5.4	
007	49.0	5.3	6.0	6.0	4.3	6.0	5.0	4.7	5.3	
T-1	53.3	4.7	5.3	5.7	5.3	6.3	4.7	4.3	5.2	
BENCHMARK DSR	29.3	4.7	6.0	5.7	4.0	5.0	4.0	3.7	4.7	
PIN-UP (HTM)	45.0	4.0	4.7	4.7	5.0	5.7	4.7	4.3	4.7	
PRINCEVILLE	46.0	3.7	4.3	5.0	4.3	5.3	5.3	5.0	4.7	
SRP-1WM	39.3	4.0	5.0	5.3	5.0	5.7	4.0	4.0	4.7	
LSD VALUE	38.6	3.3	2.7	2.3	1.7	3.2	3.0	1.8	1.8	
C.V. (%)	28.1	24.4	19.1	17.8	14.1	19.7	22.6	17.4	14.3	

TABLE 4C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER SHADE AT CARBONDALE, IL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER		QUALITY RATINGS							MEAN
	SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP		
PST-R9D7	44.3	6.0	7.3	6.3	4.7	5.3	5.0	4.3	5.6	
A08-FT12	35.7	6.3	6.3	6.0	5.7	5.3	3.7	4.3	5.4	
BCD	41.3	5.7	6.3	6.7	4.7	5.3	4.7	4.7	5.4	
A08-EBM	49.7	5.0	5.3	6.3	4.7	5.7	4.7	5.0	5.2	
TIGER II	27.3	2.7	3.7	4.0	3.3	3.7	3.3	3.7	3.5	
GREENTIME	4.7	2.0	2.3	2.0	2.0	1.7	1.3	1.3	1.8	
LSD VALUE	20.3	1.7	2.1	1.9	1.3	2.0	1.1	2.1	1.3	
C.V. (%)	32.1	20.8	22.3	20.3	17.0	24.0	17.2	28.0	16.7	

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/ 2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS								MEAN
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PST-R9D7	6.7	6.3	7.0	7.0	6.7	6.0	7.0	7.0	6.7
DECLARATION	7.0	6.0	7.0	6.7	6.7	6.0	6.3	7.0	6.5
MEMORIAL	7.0	6.0	7.0	6.7	6.7	6.0	6.3	7.0	6.5
PURE SELECT (PST-OJD) 007	6.3	6.3	6.7	7.0	6.0	6.0	6.7	7.0	6.5
LUMINARY (A08-TDN2)	7.0	6.0	6.7	6.7	6.3	6.0	6.3	7.0	6.4
LUMINARY (A08-TDN2)	6.0	6.3	6.0	7.0	5.7	6.0	6.7	7.0	6.4
PRINCEVILLE	6.0	6.0	6.3	6.7	6.0	6.0	6.3	7.0	6.3
T-1	8.0	6.0	6.7	6.3	6.3	6.0	6.0	6.7	6.3
AUTHORITY	7.0	6.0	6.7	6.0	6.3	5.7	6.0	6.3	6.1
BCD	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
BENCHMARK DSR	7.0	6.0	6.7	6.0	6.7	5.3	6.0	6.0	6.1
CY-2	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
GREENTIME	6.0	6.0	6.0	6.3	5.7	6.0	6.0	6.7	6.1
PENNCROSS	6.0	6.0	6.7	6.0	6.0	5.7	6.0	6.3	6.1
PROCLAMATION (LTP-FEC)	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
BARRACUDA (MVS-AP-101)	6.0	6.0	6.3	6.0	6.0	5.3	6.0	6.0	6.0
L-93	6.0	6.0	6.0	6.0	5.7	6.0	6.0	6.3	6.0
PIN-UP (HTM)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	6.3	6.0
A08-EBM	5.0	6.0	5.3	6.3	5.0	6.0	6.0	6.7	5.9
CRYSTAL BLUELINKS	6.0	6.0	6.0	6.0	6.0	5.3	6.0	6.0	5.9
SRP-1WM	5.7	6.0	6.0	6.0	5.3	5.7	6.0	6.3	5.9
TIGER II	6.0	6.0	6.0	6.0	6.0	5.3	6.0	6.0	5.9
A08-FT12	4.0	6.0	4.3	6.7	4.0	6.0	6.3	7.0	5.8
LSD VALUE	0.3	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.2
C.V. (%)	3.3	3.3	6.5	5.1	6.6	5.1	4.6	5.0	1.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN GROWN ON A FAIRWAY OR TEE UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/ 2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
DECLARATION	7.0	6.0	7.0	6.7	6.7	6.0	6.3	7.0	6.5
MEMORIAL	7.0	6.0	7.0	6.7	6.7	6.0	6.3	7.0	6.5
PURE SELECT (PST-OJD)	6.3	6.3	6.7	7.0	6.0	6.0	6.7	7.0	6.5
007	7.0	6.0	6.7	6.7	6.3	6.0	6.3	7.0	6.4
LUMINARY (A08-TDN2)	6.0	6.3	6.0	7.0	5.7	6.0	6.7	7.0	6.4
PRINCEVILLE	6.0	6.0	6.3	6.7	6.0	6.0	6.3	7.0	6.3
T-1	8.0	6.0	6.7	6.3	6.3	6.0	6.0	6.7	6.3
AUTHORITY	7.0	6.0	6.7	6.0	6.3	5.7	6.0	6.3	6.1
BENCHMARK DSR	7.0	6.0	6.7	6.0	6.7	5.3	6.0	6.0	6.1
CY-2	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
PENNCROSS	6.0	6.0	6.7	6.0	6.0	5.7	6.0	6.3	6.1
PROCLAMATION (LTP-FEC)	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
BARRACUDA (MVS-AP-101)	6.0	6.0	6.3	6.0	6.0	5.3	6.0	6.0	6.0
L-93	6.0	6.0	6.0	6.0	5.7	6.0	6.0	6.3	6.0
PIN-UP (HTM)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	6.3	6.0
CRYSTAL BLUELINKS	6.0	6.0	6.0	6.0	6.0	5.3	6.0	6.0	5.9
SRP-1WM	5.7	6.0	6.0	6.0	5.3	5.7	6.0	6.3	5.9
LSD VALUE	0.3	0.6	0.9	0.6	0.9	0.7	0.7	0.6	0.2
C.V. (%)	3.0	3.2	6.9	5.0	6.9	5.5	4.9	5.0	1.8

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN GROWN ON A FAIRWAY OR TEE UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/ 2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
PST-R9D7	6.7	6.3	7.0	7.0	6.7	6.0	7.0	7.0	6.7
BCD	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
GREENTIME	6.0	6.0	6.0	6.3	5.7	6.0	6.0	6.7	6.1
A08-EBM	5.0	6.0	5.3	6.3	5.0	6.0	6.0	6.7	5.9
TIGER II	6.0	6.0	6.0	6.0	6.0	5.3	6.0	6.0	5.9
A08-FT12	4.0	6.0	4.3	6.7	4.0	6.0	6.3	7.0	5.8
LSD VALUE	0.4	0.6	0.5	0.7	0.5	0.5	0.4	0.6	0.1
C.V. (%)	4.2	3.9	5.2	5.4	5.4	4.0	3.8	4.7	1.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER DROUGHT STRESS AT LOGAN, UT 1/
2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER SPRING	QUALITY RATINGS					OCT	MEAN
			MAY	JUN	JUL	AUG	SEP		
CRYSTAL BLUELINKS	4.0	80.0	3.3	5.7	7.3	8.0	8.0	7.7	6.7
T-1	4.7	86.3	4.0	7.3	8.0	6.0	7.7	6.7	6.6
AUTHORITY	4.3	93.0	4.3	7.3	7.0	5.7	6.7	7.3	6.4
MEMORIAL	4.7	83.3	4.0	7.3	7.0	5.7	6.7	7.0	6.3
SRP-1WM	5.3	83.3	4.3	5.7	6.3	7.7	7.0	7.0	6.3
BARRACUDA (MVS-AP-101)	6.0	83.3	4.0	6.3	5.7	6.7	6.7	7.0	6.1
L-93	3.7	83.3	5.0	7.3	7.3	4.7	6.3	5.7	6.1
LUMINARY (A08-TDN2)	4.0	93.0	5.0	7.0	5.3	6.0	6.3	6.7	6.1
PROCLAMATION (LTP-FEC)	5.7	93.0	4.3	6.3	6.3	6.3	6.3	6.7	6.1
007	4.3	83.0	4.3	5.3	6.3	5.7	6.7	7.0	5.9
BENCHMARK DSR	5.0	83.3	3.7	7.3	6.3	5.3	6.0	6.3	5.8
PIN-UP (HTM)	5.3	86.7	4.0	6.0	6.3	5.7	6.7	6.0	5.8
A08-EBM	6.3	92.7	4.7	6.3	5.7	6.0	6.0	5.7	5.7
CY-2	4.0	80.0	3.7	6.3	6.0	5.0	6.3	6.7	5.7
DECLARATION	5.3	83.3	3.7	5.3	5.7	5.7	5.7	7.0	5.5
PENNCROSS	3.7	92.7	4.0	4.7	5.7	7.0	6.3	5.3	5.5
PURE SELECT (PST-OJD)	3.0	70.0	2.7	4.0	5.7	6.3	6.7	6.3	5.3
BCD	6.7	90.0	4.0	6.3	5.3	3.7	4.3	5.0	4.8
PRINCEVILLE	3.3	90.0	3.7	4.0	4.0	4.0	5.0	6.0	4.4
A08-FT12	7.7	86.7	3.7	5.0	4.3	3.3	4.3	4.7	4.2
TIGER II	5.0	90.0	3.7	4.7	4.3	4.0	4.3	3.7	4.1
GREENTIME	5.3	89.7	3.7	4.3	5.0	3.3	4.0	3.3	3.9
PST-R9D7	7.3	93.0	4.3	5.3	3.3	2.7	3.7	4.0	3.9
LSD VALUE	1.9	15.6	4.3	2.9	3.2	3.0	2.7	2.5	1.9
C.V. (%)	22.3	8.2	29.4	22.9	24.8	28.3	22.1	21.4	17.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER DROUGHT STRESS AT LOGAN, UT 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER SPRING	MAY	JUN	JUL	QUALITY RATINGS			MEAN
						AUG	SEP	OCT	
CRYSTAL BLUELINKS	4.0	80.0	3.3	5.7	7.3	8.0	8.0	7.7	6.7
T-1	4.7	86.3	4.0	7.3	8.0	6.0	7.7	6.7	6.6
AUTHORITY	4.3	93.0	4.3	7.3	7.0	5.7	6.7	7.3	6.4
MEMORIAL	4.7	83.3	4.0	7.3	7.0	5.7	6.7	7.0	6.3
SRP-1WM	5.3	83.3	4.3	5.7	6.3	7.7	7.0	7.0	6.3
BARRACUDA (MVS-AP-101)	6.0	83.3	4.0	6.3	5.7	6.7	6.7	7.0	6.1
L-93	3.7	83.3	5.0	7.3	7.3	4.7	6.3	5.7	6.1
LUMINARY (A08-TDN2)	4.0	93.0	5.0	7.0	5.3	6.0	6.3	6.7	6.1
PROCLAMATION (LTP-FEC)	5.7	93.0	4.3	6.3	6.3	6.3	6.3	6.7	6.1
007	4.3	83.0	4.3	5.3	6.3	5.7	6.7	7.0	5.9
BENCHMARK DSR	5.0	83.3	3.7	7.3	6.3	5.3	6.0	6.3	5.8
PIN-UP (HTM)	5.3	86.7	4.0	6.0	6.3	5.7	6.7	6.0	5.8
CY-2	4.0	80.0	3.7	6.3	6.0	5.0	6.3	6.7	5.7
DECLARATION	5.3	83.3	3.7	5.3	5.7	5.7	5.7	7.0	5.5
PENNCROSS	3.7	92.7	4.0	4.7	5.7	7.0	6.3	5.3	5.5
PURE SELECT (PST-OJD)	3.0	70.0	2.7	4.0	5.7	6.3	6.7	6.3	5.3
PRINCEVILLE	3.3	90.0	3.7	4.0	4.0	4.0	5.0	6.0	4.4
LSD VALUE	2.4	15.3	3.8	3.3	3.7	3.4	4.0	4.2	2.7
C.V. (%)	23.8	8.4	29.8	24.2	22.6	23.5	19.9	19.5	16.0

TABLE 6C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN GROWN ON A FAIRWAY OR TEE UNDER DROUGHT STRESS AT LOGAN, UT 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER SPRING	MAY	JUN	JUL	QUALITY RATINGS			MEAN
						AUG	SEP	OCT	
A08-EBM	6.3	92.7	4.7	6.3	5.7	6.0	6.0	5.7	5.7
BCD	6.7	90.0	4.0	6.3	5.3	3.7	4.3	5.0	4.8
A08-FT12	7.7	86.7	3.7	5.0	4.3	3.3	4.3	4.7	4.2
TIGER II	5.0	90.0	3.7	4.7	4.3	4.0	4.3	3.7	4.1
GREENTIME	5.3	89.7	3.7	4.3	5.0	3.3	4.0	3.3	3.9
PST-R9D7	7.3	93.0	4.3	5.3	3.3	2.7	3.7	4.0	3.9
LSD VALUE	2.5	14.9	2.0	2.2	3.8	3.5	3.4	3.2	2.5
C.V. (%)	18.2	6.6	20.9	19.1	33.9	40.7	32.0	31.9	24.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7A.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	IL1	MN1	NJ1	PA1	RI1	VA5	WA3	WI1	MEAN
T-1	7.7	8.7	5.0	8.0	9.0	6.3	9.0	8.7	7.8
BENCHMARK DSR	6.7	8.0	4.7	8.0	9.0	6.0	8.0	8.7	7.4
LUMINARY (A08-TDN2)	6.7	7.0	7.7	5.3	9.0	6.0	7.7	8.3	7.2
007	6.0	7.0	6.7	5.7	8.0	6.7	7.3	8.3	7.0
CRYSTAL BLUELINKS	6.7	7.0	5.0	6.3	9.0	6.0	8.0	7.7	7.0
PURE SELECT (PST-OJD)	5.7	6.7	6.7	5.3	7.0	6.3	8.0	8.3	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	6.7	5.7	8.0	6.7	7.7	7.7	6.8
L-93	5.7	6.0	5.0	6.0	8.0	7.0	7.7	8.0	6.7
MEMORIAL	6.3	6.0	4.0	5.3	9.0	6.3	7.3	8.7	6.6
PIN-UP (HTM)	6.3	5.3	7.0	5.0	8.0	5.7	7.7	8.0	6.6
SRP-1WM	6.0	5.7	6.7	5.7	7.0	6.3	7.0	8.3	6.6
CY-2	6.0	5.7	5.7	6.3	7.3	6.0	7.3	7.7	6.5
DECLARATION	6.0	5.7	4.3	5.7	9.0	6.0	7.3	7.7	6.5
PENNCROSS	6.0	7.0	2.7	5.7	7.0	6.3	7.3	8.0	6.3
AUTHORITY	5.7	4.0	5.3	5.3	8.0	6.3	7.0	7.3	6.1
BARRACUDA (MVS-AP-101)	6.3	4.3	5.0	5.0	7.0	6.0	7.3	8.0	6.1
GREENTIME	5.0	3.7	5.0	5.3	6.7	7.3	7.0	8.3	6.0
BCD	3.7	4.0	5.3	4.7	7.0	6.7	7.7	7.7	5.8
TIGER II	5.0	4.0	4.3	5.0	7.0	7.0	7.0	6.3	5.7
PRINCEVILLE	5.3	4.0	2.7	5.3	8.0	4.7	6.7	7.3	5.5
A08-FT12	4.0	3.3	6.0	4.3	5.0	6.7	6.7	6.3	5.3
PST-R9D7	3.3	3.0	2.0	5.3	9.0	6.7	6.3	6.3	5.3
A08-EBM	3.3	3.0	5.3	3.3	5.0	7.3	6.7	6.0	5.0
LSD VALUE	1.2	1.3	1.3	0.9	0.5	1.2	1.1	1.2	0.4
C.V. (%)	13.7	15.1	16.0	10.4	4.4	11.4	9.4	9.7	11.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	IL1	MN1	NJ1	PA1	RI1	VA5	WA3	WI1	MEAN
T-1	7.7	8.7	5.0	8.0	9.0	6.3	9.0	8.7	7.8
BENCHMARK DSR	6.7	8.0	4.7	8.0	9.0	6.0	8.0	8.7	7.4
LUMINARY (A08-TDN2)	6.7	7.0	7.7	5.3	9.0	6.0	7.7	8.3	7.2
007	6.0	7.0	6.7	5.7	8.0	6.7	7.3	8.3	7.0
CRYSTAL BLUELINKS	6.7	7.0	5.0	6.3	9.0	6.0	8.0	7.7	7.0
PURE SELECT (PST-OJD)	5.7	6.7	6.7	5.3	7.0	6.3	8.0	8.3	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	6.7	5.7	8.0	6.7	7.7	7.7	6.8
L-93	5.7	6.0	5.0	6.0	8.0	7.0	7.7	8.0	6.7
MEMORIAL	6.3	6.0	4.0	5.3	9.0	6.3	7.3	8.7	6.6
PIN-UP (HTM)	6.3	5.3	7.0	5.0	8.0	5.7	7.7	8.0	6.6
SRP-1WM	6.0	5.7	6.7	5.7	7.0	6.3	7.0	8.3	6.6
CY-2	6.0	5.7	5.7	6.3	7.3	6.0	7.3	7.7	6.5
DECLARATION	6.0	5.7	4.3	5.7	9.0	6.0	7.3	7.7	6.5
PENNCROSS	6.0	7.0	2.7	5.7	7.0	6.3	7.3	8.0	6.3
AUTHORITY	5.7	4.0	5.3	5.3	8.0	6.3	7.0	7.3	6.1
BARRACUDA (MVS-AP-101)	6.3	4.3	5.0	5.0	7.0	6.0	7.3	8.0	6.1
PRINCEVILLE	5.3	4.0	2.7	5.3	8.0	4.7	6.7	7.3	5.5
LSD VALUE	1.1	1.4	1.4	1.0	0.5	1.1	0.9	1.0	0.4
C.V. (%)	10.9	14.7	16.8	10.1	3.5	11.4	7.6	7.6	10.2

TABLE 7C. GENETIC COLOR RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	IL1	MN1	NJ1	PA1	RI1	VA5	WA3	WI1	MEAN
GREENTIME	5.0	3.7	5.0	5.3	6.7	7.3	7.0	8.3	6.0
BCD	3.7	4.0	5.3	4.7	7.0	6.7	7.7	7.7	5.8
TIGER II	5.0	4.0	4.3	5.0	7.0	7.0	7.0	6.3	5.7
A08-FT12	4.0	3.3	6.0	4.3	5.0	6.7	6.7	6.3	5.3
PST-R9D7	3.3	3.0	2.0	5.3	9.0	6.7	6.3	6.3	5.3
A08-EBM	3.3	3.0	5.3	3.3	5.0	7.3	6.7	6.0	5.0
LSD VALUE	1.6	0.8	0.9	0.8	0.8	1.3	1.5	1.7	0.4
C.V. (%)	24.7	15.1	12.4	11.3	7.1	11.3	13.7	15.4	13.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	IL1	MA1	NJ1	RI1	WI1	MEAN
BCD	5.3	6.0	6.7	7.7	6.3	6.4
A08-FT12	5.0	6.0	5.3	6.7	8.3	6.3
DECLARATION	5.7	4.3	7.7	6.3	6.7	6.1
BARRACUDA (MVS-AP-101)	6.0	4.0	7.7	5.0	7.3	6.0
LUMINARY (A08-TDN2)	6.3	3.7	7.0	4.0	8.0	5.8
TIGER II	4.3	5.7	5.3	6.3	7.0	5.7
CRYSTAL BLUELINKS	6.0	4.7	4.3	6.0	6.7	5.5
CY-2	4.7	4.7	6.7	4.0	7.7	5.5
GREENTIME	4.7	6.0	3.7	6.7	6.7	5.5
PRINCEVILLE	4.0	4.7	4.3	7.3	7.3	5.5
A08-EBM	3.7	5.7	4.3	7.0	6.7	5.5
MEMORIAL	5.0	4.7	4.3	6.0	7.3	5.5
PROCLAMATION (LTP-FEC)	5.0	4.0	5.7	4.7	7.7	5.4
PIN-UP (HTM)	4.7	4.0	6.0	5.3	6.7	5.3
PST-R9D7	3.7	6.3	3.7	6.0	7.0	5.3
007	4.3	4.0	6.0	5.0	7.0	5.3
AUTHORITY	4.7	3.7	5.7	4.7	7.3	5.2
L-93	3.7	5.0	3.7	6.3	7.0	5.1
T-1	6.7	3.3	2.7	5.0	7.7	5.1
BENCHMARK DSR	5.0	4.0	4.3	4.3	7.3	5.0
SRP-1WM	4.3	3.3	7.0	3.0	7.3	5.0
PURE SELECT (PST-OJD)	5.0	3.3	4.0	5.3	6.0	4.7
PENNCROSS	3.7	4.0	1.7	5.3	7.0	4.3
LSD VALUE	1.7	1.0	2.1	2.2	1.5	0.8
C.V. (%)	21.5	13.3	25.5	24.9	13.5	20.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	IL1	MA1	NJ1	RI1	WI1	MEAN
DECLARATION	5.7	4.3	7.7	6.3	6.7	6.1
BARRACUDA (MVS-AP-101)	6.0	4.0	7.7	5.0	7.3	6.0
LUMINARY (A08-TDN2)	6.3	3.7	7.0	4.0	8.0	5.8
CRYSTAL BLUELINKS	6.0	4.7	4.3	6.0	6.7	5.5
CY-2	4.7	4.7	6.7	4.0	7.7	5.5
PRINCEVILLE	4.0	4.7	4.3	7.3	7.3	5.5
MEMORIAL	5.0	4.7	4.3	6.0	7.3	5.5
PROCLAMATION (LTP-FEC)	5.0	4.0	5.7	4.7	7.7	5.4
PIN-UP (HTM)	4.7	4.0	6.0	5.3	6.7	5.3
007	4.3	4.0	6.0	5.0	7.0	5.3
AUTHORITY	4.7	3.7	5.7	4.7	7.3	5.2
L-93	3.7	5.0	3.7	6.3	7.0	5.1
T-1	6.7	3.3	2.7	5.0	7.7	5.1
BENCHMARK DSR	5.0	4.0	4.3	4.3	7.3	5.0
SRP-1WM	4.3	3.3	7.0	3.0	7.3	5.0
PURE SELECT (PST-OJD)	5.0	3.3	4.0	5.3	6.0	4.7
PENNCROSS	3.7	4.0	1.7	5.3	7.0	4.3
LSD VALUE	1.8	1.0	2.0	2.3	1.6	0.8
C.V. (%)	22.0	15.2	23.7	28.2	13.5	20.9

TABLE 8C. SPRING GREENUP RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	IL1	MA1	NJ1	RI1	WI1	MEAN
BCD	5.3	6.0	6.7	7.7	6.3	6.4
A08-FT12	5.0	6.0	5.3	6.7	8.3	6.3
TIGER II	4.3	5.7	5.3	6.3	7.0	5.7
GREENTIME	4.7	6.0	3.7	6.7	6.7	5.5
A08-EBM	3.7	5.7	4.3	7.0	6.7	5.5
PST-R9D7	3.7	6.3	3.7	6.0	7.0	5.3
LSD VALUE	1.4	0.9	2.4	1.9	1.5	0.8
C.V. (%)	19.8	9.7	30.5	17.5	13.5	18.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	NJ1
007	8.7
PIN-UP (HTM)	8.3
PROCLAMATION (LTP-FEC)	8.3
PURE SELECT (PST-OJD)	8.3
AUTHORITY	8.0
LUMINARY (A08-TDN2)	8.0
SRP-1WM	8.0
BARRACUDA (MVS-AP-101)	7.7
CY-2	7.3
DECLARATION	7.3
A08-FT12	6.7
BENCHMARK DSR	6.7
BCD	6.3
A08-EBM	6.0
T-1	6.0
TIGER II	6.0
GREENTIME	5.7
CRYSTAL BLUELINKS	5.3
L-93	4.3
MEMORIAL	4.3
PST-R9D7	4.3
PRINCEVILLE	2.7
PENNCROSS	1.7
LSD VALUE	1.4
C.V. (%)	14.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	NJ1
007	8.7
PIN-UP (HTM)	8.3
PROCLAMATION (LTP-FEC)	8.3
PURE SELECT (PST-OJD)	8.3
AUTHORITY	8.0
LUMINARY (A08-TDN2)	8.0
SRP-1WM	8.0
BARRACUDA (MVS-AP-101)	7.7
CY-2	7.3
DECLARATION	7.3
BENCHMARK DSR	6.7
T-1	6.0
CRYSTAL BLUELINKS	5.3
L-93	4.3
MEMORIAL	4.3
PRINCEVILLE	2.7
PENNCROSS	1.7
LSD VALUE	1.5
C.V. (%)	14.5

TABLE 9C. LEAF TEXTURE RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	NJ1
A08-FT12	6.7
BCD	6.3
A08-EBM	6.0
TIGER II	6.0
GREENTIME	5.7
PST-R9D7	4.3
LSD VALUE	1.2
C.V. (%)	12.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	NJ1
DECLARATION	9.0
PIN-UP (HTM)	9.0
PURE SELECT (PST-OJD)	9.0
SRP-1WM	9.0
BARRACUDA (MVS-AP-101)	8.7
007	8.3
AUTHORITY	8.3
PROCLAMATION (LTP-FEC)	8.3
LUMINARY (A08-TDN2)	8.0
BENCHMARK DSR	7.7
A08-FT12	7.3
BCD	7.3
CY-2	7.0
GREENTIME	7.0
CRYSTAL BLUELINKS	6.7
T-1	6.7
A08-EBM	6.0
TIGER II	5.7
L-93	5.0
PST-R9D7	5.0
MEMORIAL	4.7
PRINCEVILLE	2.3
PENNCROSS	2.0
LSD VALUE	1.4
C.V. (%)	12.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	NJ1
DECLARATION	9.0
PIN-UP (HTM)	9.0
PURE SELECT (PST-OJD)	9.0
SRP-1WM	9.0
BARRACUDA (MVS-AP-101)	8.7
007	8.3
AUTHORITY	8.3
PROCLAMATION (LTP-FEC)	8.3
LUMINARY (A08-TDN2)	8.0
BENCHMARK DSR	7.7
CY-2	7.0
CRYSTAL BLUELINKS	6.7
T-1	6.7
L-93	5.0
MEMORIAL	4.7
PRINCEVILLE	2.3
PENNCROSS	2.0
LSD VALUE	1.3
C.V. (%)	11.4

TABLE 10C. FALL DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	NJ1
A08-FT12	7.3
BCD	7.3
GREENTIME	7.0
A08-EBM	6.0
TIGER II	5.7
PST-R9D7	5.0
LSD VALUE	1.7
C.V. (%)	16.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					
NAME	KY1	NJ1	VA5	WA3	MEAN
CY-2	5.7	8.7	4.7	5.0	6.0
PURE SELECT (PST-OJD)	5.3	7.7	4.3	5.0	5.6
AUTHORITY	4.7	7.7	4.7	5.0	5.5
BARRACUDA (MVS-AP-101)	5.3	7.0	5.3	4.3	5.5
LUMINARY (A08-TDN2)	4.7	8.0	4.7	4.0	5.3
007	5.3	6.7	5.0	4.0	5.3
PIN-UP (HTM)	5.0	7.7	4.3	3.7	5.2
PROCLAMATION (LTP-FEC)	4.7	7.0	5.0	4.0	5.2
SRP-1WM	4.7	8.0	4.0	4.0	5.2
A08-EBM	6.0	3.3	5.7	4.7	4.9
CRYSTAL BLUELINKS	5.7	5.3	4.0	4.7	4.9
GREENTIME	6.3	3.0	5.3	4.7	4.8
MEMORIAL	5.0	5.0	5.0	4.3	4.8
TIGER II	6.0	2.7	5.7	5.0	4.8
DECLARATION	5.0	5.7	4.0	4.3	4.8
BENCHMARK DSR	5.0	6.0	4.0	3.7	4.7
BCD	6.3	3.3	5.0	4.0	4.7
A08-FT12	6.0	3.3	5.0	4.0	4.6
L-93	5.3	4.7	4.3	4.0	4.6
PRINCEVILLE	4.7	4.7	4.0	4.7	4.5
PST-R9D7	6.3	2.7	3.3	5.7	4.5
T-1	4.7	5.0	3.7	4.3	4.4
PENNCROSS	5.0	4.3	3.3	4.3	4.3
LSD VALUE	1.2	1.5	0.9	0.8	0.6
C.V. (%)	13.5	16.8	12.4	11.6	14.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	KY1	NJ1	VA5	WA3	MEAN
CY-2	5.7	8.7	4.7	5.0	6.0
PURE SELECT (PST-OJD)	5.3	7.7	4.3	5.0	5.6
AUTHORITY	4.7	7.7	4.7	5.0	5.5
BARRACUDA (MVS-AP-101)	5.3	7.0	5.3	4.3	5.5
LUMINARY (A08-TDN2)	4.7	8.0	4.7	4.0	5.3
007	5.3	6.7	5.0	4.0	5.3
PIN-UP (HTM)	5.0	7.7	4.3	3.7	5.2
PROCLAMATION (LTP-FEC)	4.7	7.0	5.0	4.0	5.2
SRP-1WM	4.7	8.0	4.0	4.0	5.2
CRYSTAL BLUELINKS	5.7	5.3	4.0	4.7	4.9
MEMORIAL	5.0	5.0	5.0	4.3	4.8
DECLARATION	5.0	5.7	4.0	4.3	4.8
BENCHMARK DSR	5.0	6.0	4.0	3.7	4.7
L-93	5.3	4.7	4.3	4.0	4.6
PRINCEVILLE	4.7	4.7	4.0	4.7	4.5
T-1	4.7	5.0	3.7	4.3	4.4
PENNCROSS	5.0	4.3	3.3	4.3	4.3
LSD VALUE	1.2	1.6	0.9	0.9	0.6
C.V. (%)	15.2	15.7	12.4	12.6	14.7

TABLE 11C. WINTER COLOR RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	KY1	NJ1	VA5	WA3	MEAN
A08-EBM	6.0	3.3	5.7	4.7	4.9
GREENTIME	6.3	3.0	5.3	4.7	4.8
TIGER II	6.0	2.7	5.7	5.0	4.8
BCD	6.3	3.3	5.0	4.0	4.7
A08-FT12	6.0	3.3	5.0	4.0	4.6
PST-R9D7	6.3	2.7	3.3	5.7	4.5
LSD VALUE	0.9	1.1	1.0	0.7	0.5
C.V. (%)	9.4	21.8	12.5	8.7	12.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	WA3
BARRACUDA (MVS-AP-101)	7.3
DECLARATION	7.3
007	7.0
BENCHMARK DSR	7.0
PROCLAMATION (LTP-FEC)	7.0
SRP-1WM	6.7
A08-FT12	6.0
LUMINARY (A08-TDN2)	6.0
MEMORIAL	6.0
CRYSTAL BLUELINKS	5.7
CY-2	5.7
PIN-UP (HTM)	5.7
A08-EBM	5.3
AUTHORITY	5.3
TIGER II	5.3
L-93	5.0
PENNCROSS	5.0
BCD	4.7
PST-R9D7	4.7
PURE SELECT (PST-QJD)	4.7
GREENTIME	4.3
T-1	4.0
PRINCEVILLE	3.7
LSD VALUE	1.4
C.V. (%)	16.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	WA3
BARRACUDA (MVS-AP-101)	7.3
DECLARATION	7.3
007	7.0
BENCHMARK DSR	7.0
PROCLAMATION (LTP-FEC)	7.0
SRP-1WM	6.7
LUMINARY (A08-TDN2)	6.0
MEMORIAL	6.0
CRYSTAL BLUELINKS	5.7
CY-2	5.7
PIN-UP (HTM)	5.7
AUTHORITY	5.3
L-93	5.0
PENNCROSS	5.0
PURE SELECT (PST-OJD)	4.7
T-1	4.0
PRINCEVILLE	3.7
LSD VALUE	1.4
C.V. (%)	15.0

TABLE 12C. DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	WA3
A08-FT12	6.0
A08-EBM	5.3
TIGER II	5.3
BCD	4.7
PST-R9D7	4.7
GREENTIME	4.3
LSD VALUE	1.6
C.V. (%)	19.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	KY1
007	9.0
A08-FT12	9.0
AUTHORITY	9.0
BARRACUDA (MVS-AP-101)	9.0
BENCHMARK DSR	9.0
CRYSTAL BLUELINKS	9.0
CY-2	9.0
DECLARATION	9.0
L-93	9.0
LUMINARY (A08-TDN2)	9.0
MEMORIAL	9.0
PENNCROSS	9.0
PIN-UP (HTM)	9.0
PRINCEVILLE	9.0
PROCLAMATION (LTP-FEC)	9.0
PURE SELECT (PST-OJD)	9.0
SRP-1WM	9.0
T-1	9.0
A08-EBM	8.7
BCD	8.3
GREENTIME	7.7
TIGER II	6.7
PST-R9D7	4.3
LSD VALUE	0.9
C.V. (%)	6.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	KY1
007	9
AUTHORITY	9
BARRACUDA (MVS-AP-101)	9
BENCHMARK DSR	9
CRYSTAL BLUELINKS	9
CY-2	9
DECLARATION	9
L-93	9
LUMINARY (A08-TDN2)	9
MEMORIAL	9
PENNCROSS	9
PIN-UP (HTM)	9
PRINCEVILLE	9
PROCLAMATION (LTP-FEC)	9
PURE SELECT (PST-OJD)	9
SRP-1WM	9
T-1	9
LSD VALUE	0
C.V. (%)	0

TABLE 13C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	KY1
A08-FT12	9.0
A08-EBM	8.7
BCD	8.3
GREENTIME	7.7
TIGER II	6.7
PST-R9D7	4.3
LSD VALUE	1.8
C.V. (%)	15.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14A. PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
BCD	9.0
A08-FT12	8.7
GREENTIME	8.0
A08-EBM	7.7
PIN-UP (HTM)	6.3
PRINCEVILLE	6.3
PURE SELECT (PST-OJD)	6.3
BARRACUDA (MVS-AP-101)	5.7
PST-R9D7	5.7
007	5.3
AUTHORITY	5.3
L-93	5.3
LUMINARY (A08-TDN2)	5.3
MEMORIAL	5.3
PROCLAMATION (LTP-FEC)	5.3
CY-2	5.0
SRP-1WM	5.0
TIGER II	5.0
CRYSTAL BLUELINKS	4.3
DECLARATION	3.7
BENCHMARK DSR	2.0
T-1	1.7
PENNCROSS	1.0
LSD VALUE	2.3
C.V. (%)	27.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14B. PYTHIUM BLIGHT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
PIN-UP (HTM)	6.3
PRINCEVILLE	6.3
PURE SELECT (PST-OJD)	6.3
BARRACUDA (MVS-AP-101)	5.7
007	5.3
AUTHORITY	5.3
L-93	5.3
LUMINARY (A08-TDN2)	5.3
MEMORIAL	5.3
PROCLAMATION (LTP-FEC)	5.3
CY-2	5.0
SRP-1WM	5.0
CRYSTAL BLUELINKS	4.3
DECLARATION	3.7
BENCHMARK DSR	2.0
T-1	1.7
PENNCROSS	1.0
LSD VALUE	2.6
C.V. (%)	34.6

TABLE 14C. PYTHIUM BLIGHT RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
BCD	9.0
A08-FT12	8.7
GREENTIME	8.0
A08-EBM	7.7
PST-R9D7	5.7
TIGER II	5.0
LSD VALUE	1.3
C.V. (%)	11.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1
007	7.3
CRYSTAL BLUELINKS	7.3
MEMORIAL	6.7
PIN-UP (HTM)	6.0
AUTHORITY	5.7
BCD	5.3
CY-2	5.3
PRINCEVILLE	5.0
BARRACUDA (MVS-AP-101)	4.7
DECLARATION	4.7
TIGER II	4.7
PST-R9D7	4.3
SRP-1WM	4.3
A08-FT12	4.0
BENCHMARK DSR	4.0
LUMINARY (A08-TDN2)	4.0
PENNCROSS	4.0
GREENTIME	3.7
PURE SELECT (PST-OJD)	3.7
A08-EBM	2.0
L-93	2.0
T-1	2.0
PROCLAMATION (LTP-FEC)	1.7
LSD VALUE	3.5
C.V. (%)	48.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1
007	7.3
CRYSTAL BLUELINKS	7.3
MEMORIAL	6.7
PIN-UP (HTM)	6.0
AUTHORITY	5.7
CY-2	5.3
PRINCEVILLE	5.0
BARRACUDA (MVS-AP-101)	4.7
DECLARATION	4.7
SRP-1WM	4.3
BENCHMARK DSR	4.0
LUMINARY (A08-TDN2)	4.0
PENNCROSS	4.0
PURE SELECT (PST-OJD)	3.7
L-93	2.0
T-1	2.0
PROCLAMATION (LTP-FEC)	1.7
LSD VALUE	3.5
C.V. (%)	47.2

TABLE 15C. ANTHRACNOSE RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1
BCD	5.3
TIGER II	4.7
PST-R9D7	4.3
A08-FT12	4.0
GREENTIME	3.7
A08-EBM	2.0
LSD VALUE	3.4
C.V. (%)	52.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16A. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1	WI1	MEAN
BCD	9.0	8.3	8.7
A08-EBM	9.0	8.0	8.5
A08-FT12	8.3	8.0	8.2
TIGER II	9.0	7.3	8.2
BARRACUDA (MVS-AP-101)	8.0	7.7	7.8
GREENTIME	7.7	7.3	7.5
007	8.3	6.0	7.2
DECLARATION	7.7	6.3	7.0
LUMINARY (A08-TDN2)	8.0	6.0	7.0
MEMORIAL	7.7	6.3	7.0
PENNCROSS	9.0	5.0	7.0
PST-R9D7	7.3	6.7	7.0
CRYSTAL BLUELINKS	7.3	6.0	6.7
PROCLAMATION (LTP-FEC)	8.0	5.3	6.7
L-93	8.0	5.0	6.5
AUTHORITY	7.7	4.7	6.2
BENCHMARK DSR	6.7	5.7	6.2
SRP-1WM	7.0	5.3	6.2
CY-2	6.0	6.0	6.0
T-1	7.0	4.7	5.8
PIN-UP (HTM)	6.3	5.3	5.8
PRINCEVILLE	8.0	3.7	5.8
PURE SELECT (PST-OJD)	6.7	4.0	5.3
LSD VALUE	2.4	3.0	1.9
C.V. (%)	19.4	31.4	24.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16B. PINK SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1	WI1	MEAN
BARRACUDA (MVS-AP-101)	8.0	7.7	7.8
007	8.3	6.0	7.2
DECLARATION	7.7	6.3	7.0
LUMINARY (A08-TDN2)	8.0	6.0	7.0
MEMORIAL	7.7	6.3	7.0
PENNCROSS	9.0	5.0	7.0
CRYSTAL BLUELINKS	7.3	6.0	6.7
PROCLAMATION (LTP-FEC)	8.0	5.3	6.7
L-93	8.0	5.0	6.5
AUTHORITY	7.7	4.7	6.2
BENCHMARK DSR	6.7	5.7	6.2
SRP-1WM	7.0	5.3	6.2
CY-2	6.0	6.0	6.0
T-1	7.0	4.7	5.8
PIN-UP (HTM)	6.3	5.3	5.8
PRINCEVILLE	8.0	3.7	5.8
PURE SELECT (PST-OJD)	6.7	4.0	5.3
LSD VALUE	2.5	3.2	2.0
C.V. (%)	20.9	35.8	27.4

TABLE 16C. PINK SNOW MOLD RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	RI1	WI1	MEAN
BCD	9.0	8.3	8.7
A08-EBM	9.0	8.0	8.5
A08-FT12	8.3	8.0	8.2
TIGER II	9.0	7.3	8.2
GREENTIME	7.7	7.3	7.5
PST-R9D7	7.3	6.7	7.0
LSD VALUE	2.1	2.7	1.7
C.V. (%)	15.4	22.3	18.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17A. ARMY WORM DAMAGE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ARMY WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	RI1
BCD	7.7
GREENTIME	7.0
TIGER II	7.0
A08-EBM	6.3
CRYSTAL BLUELINKS	6.3
A08-FT12	6.0
PENNCROSS	6.0
BENCHMARK DSR	5.7
MEMORIAL	5.7
LUMINARY (A08-TDN2)	5.3
PST-R9D7	5.0
PURE SELECT (PST-OJD)	5.0
T-1	5.0
BARRACUDA (MVS-AP-101)	4.3
CY-2	4.3
L-93	4.3
AUTHORITY	4.0
007	3.7
PIN-UP (HTM)	3.0
DECLARATION	2.3
PRINCEVILLE	1.0
PROCLAMATION (LTP-FEC)	1.0
SRP-1WM	1.0
LSD VALUE	3.5
C.V. (%)	47.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17B. ARMY WORM RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ARMY WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	RI1
CRYSTAL BLUELINKS	6.3
PENNCROSS	6.0
BENCHMARK DSR	5.7
MEMORIAL	5.7
LUMINARY (A08-TDN2)	5.3
PURE SELECT (PST-OJD)	5.0
T-1	5.0
BARRACUDA (MVS-AP-101)	4.3
CY-2	4.3
L-93	4.3
AUTHORITY	4.0
007	3.7
PIN-UP (HTM)	3.0
DECLARATION	2.3
PRINCEVILLE	1.0
PROCLAMATION (LTP-FEC)	1.0
SRP-1WM	1.0
LSD VALUE	3.5
C.V. (%)	54.6

TABLE 17C. ARMY WORM RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

ARMY WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	RI1
BCD	7.7
GREENTIME	7.0
TIGER II	7.0
A08-EBM	6.3
A08-FT12	6.0
PST-R9D7	5.0
LSD VALUE	3.6
C.V. (%)	34.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	IL1
T-1	7.7
LUMINARY (A08-TDN2)	7.0
BENCHMARK DSR	6.7
L-93	6.7
PENNCROSS	6.7
PIN-UP (HTM)	6.7
PRINCEVILLE	6.7
SRP-1WM	6.7
CRYSTAL BLUELINKS	6.3
CY-2	6.3
PURE SELECT (PST-OJD)	6.3
007	6.0
AUTHORITY	6.0
BARRACUDA (MVS-AP-101)	6.0
DECLARATION	6.0
MEMORIAL	6.0
PROCLAMATION (LTP-FEC)	6.0
BCD	4.3
TIGER II	4.0
GREENTIME	3.7
A08-EBM	3.3
A08-FT12	3.3
PST-R9D7	3.0
LSD VALUE	0.7
C.V. (%)	7.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	IL1
T-1	7.7
LUMINARY (A08-TDN2)	7.0
BENCHMARK DSR	6.7
L-93	6.7
PENNCROSS	6.7
PIN-UP (HTM)	6.7
PRINCEVILLE	6.7
SRP-1WM	6.7
CRYSTAL BLUELINKS	6.3
CY-2	6.3
PURE SELECT (PST-OJD)	6.3
007	6.0
AUTHORITY	6.0
BARRACUDA (MVS-AP-101)	6.0
DECLARATION	6.0
MEMORIAL	6.0
PROCLAMATION (LTP-FEC)	6.0
LSD VALUE	0.7
C.V. (%)	6.9

TABLE 18C. FALL COLOR (OCTOBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	IL1
BCD	4.3
TIGER II	4.0
GREENTIME	3.7
A08-EBM	3.3
A08-FT12	3.3
PST-R9D7	3.0
LSD VALUE	0.8
C.V. (%)	13.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	PA1
CRYSTAL BLUELINKS	7.3
T-1	7.3
AUTHORITY	6.7
CY-2	6.7
GREENTIME	6.7
BENCHMARK DSR	6.3
LUMINARY (A08-TDN2)	6.3
DECLARATION	6.0
PRINCEVILLE	6.0
PST-R9D7	6.0
007	5.7
L-93	5.7
PROCLAMATION (LTP-FEC)	5.7
SRP-1WM	5.7
BARRACUDA (MVS-AP-101)	5.3
MEMORIAL	5.3
TIGER II	5.3
BCD	5.0
A08-FT12	4.7
PENNCROSS	4.7
PIN-UP (HTM)	4.7
PURE SELECT (PST-OJD)	4.7
A08-EBM	3.7
LSD VALUE	1.5
C.V. (%)	16.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	PA1
CRYSTAL BLUELINKS	7.3
T-1	7.3
AUTHORITY	6.7
CY-2	6.7
BENCHMARK DSR	6.3
LUMINARY (A08-TDN2)	6.3
DECLARATION	6.0
PRINCEVILLE	6.0
007	5.7
L-93	5.7
PROCLAMATION (LTP-FEC)	5.7
SRP-1WM	5.7
BARRACUDA (MVS-AP-101)	5.3
MEMORIAL	5.3
PENNCROSS	4.7
PIN-UP (HTM)	4.7
PURE SELECT (PST-OJD)	4.7
LSD VALUE	1.6
C.V. (%)	16.5

TABLE 19C. FALL COLOR (NOVEMBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	PA1
GREENTIME	6.7
PST-R9D7	6.0
TIGER II	5.3
BCD	5.0
A08-FT12	4.7
A08-EBM	3.7
LSD VALUE	1.2
C.V. (%)	14.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20A. MOWING QUALITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	PA1
A08-EBM	9.0
A08-FT12	9.0
AUTHORITY	9.0
BCD	9.0
GREENTIME	9.0
PENNCROSS	9.0
PRINCEVILLE	9.0
PST-R9D7	9.0
TIGER II	9.0
L-93	8.7
MEMORIAL	8.7
CRYSTAL BLUELINKS	8.3
PROCLAMATION (LTP-FEC)	8.3
T-1	8.3
CY-2	8.0
LUMINARY (A08-TDN2)	8.0
PURE SELECT (PST-OJD)	7.7
BENCHMARK DSR	7.0
SRP-1WM	6.7
BARRACUDA (MVS-AP-101)	6.0
007	5.7
PIN-UP (HTM)	5.0
DECLARATION	4.3
LSD VALUE	1.7
C.V. (%)	13.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20B. MOWING QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	PA1
AUTHORITY	9.0
PENNCROSS	9.0
PRINCEVILLE	9.0
L-93	8.7
MEMORIAL	8.7
CRYSTAL BLUELINKS	8.3
PROCLAMATION (LTP-FEC)	8.3
T-1	8.3
CY-2	8.0
LUMINARY (A08-TDN2)	8.0
PURE SELECT (PST-OJD)	7.7
BENCHMARK DSR	7.0
SRP-1WM	6.7
BARRACUDA (MVS-AP-101)	6.0
007	5.7
PIN-UP (HTM)	5.0
DECLARATION	4.3
LSD VALUE	2.0
C.V. (%)	16.5

TABLE 20C. MOWING QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	PA1
A08-EBM	9
A08-FT12	9
BCD	9
GREENTIME	9
PST-R9D7	9
TIGER II	9
LSD VALUE	0
C.V. (%)	0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21A. HEAT STRESS RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

HEAT STRESS RATINGS 1-9; 9=BEST 2/

NAME	RI1
TIGER II	6.0
PENNCROSS	5.7
GREENTIME	5.0
MEMORIAL	5.0
PIN-UP (HTM)	5.0
PST-R9D7	5.0
CRYSTAL BLUELINKS	4.7
PRINCEVILLE	4.7
L-93	4.3
007	4.0
PURE SELECT (PST-OJD)	4.0
CY-2	3.7
DECLARATION	3.7
SRP-1WM	3.7
T-1	3.7
AUTHORITY	3.3
BARRACUDA (MVS-AP-101)	3.3
BCD	3.3
A08-FT12	3.0
LUMINARY (A08-TDN2)	3.0
BENCHMARK DSR	2.3
A08-EBM	1.7
PROCLAMATION (LTP-FEC)	1.7
LSD VALUE	2.4
C.V. (%)	37.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21B. HEAT STRESS RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

HEAT STRESS RATINGS 1-9; 9=BEST 2/

NAME	RI1
PENNCROSS	5.7
MEMORIAL	5.0
PIN-UP (HTM)	5.0
CRYSTAL BLUELINKS	4.7
PRINCEVILLE	4.7
L-93	4.3
007	4.0
PURE SELECT (PST-OJD)	4.0
CY-2	3.7
DECLARATION	3.7
SRP-1WM	3.7
T-1	3.7
AUTHORITY	3.3
BARRACUDA (MVS-AP-101)	3.3
LUMINARY (A08-TDN2)	3.0
BENCHMARK DSR	2.3
PROCLAMATION (LTP-FEC)	1.7
LSD VALUE	2.5
C.V. (%)	39.7

TABLE 21C. HEAT STRESS RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

HEAT STRESS RATINGS 1-9; 9=BEST 2/

NAME	RI1
TIGER II	6.0
GREENTIME	5.0
PST-R9D7	5.0
BCD	3.3
A08-FT12	3.0
A08-EBM	1.7
LSD VALUE	2.0
C.V. (%)	31.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 22A. NUMBER OF DOLLAR SPOT INFECTION CENTERS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT INFECTION CENTERS PER PLOT 2/

NAME	MA1
PIN-UP (HTM)	30.7
LUMINARY (A08-TDN2)	25.3
CRYSTAL BLUELINKS	20.0
PURE SELECT (PST-OJD)	16.3
BARRACUDA (MVS-AP-101)	16.0
007	15.7
PRINCEVILLE	15.7
AUTHORITY	15.3
T-1	15.0
CY-2	11.7
L-93	11.3
BCD	10.0
GREENTIME	8.0
PROCLAMATION (LTP-FEC)	7.7
PST-R9D7	7.7
PENNCROSS	7.0
TIGER II	6.3
DECLARATION	5.3
A08-EBM	4.3
BENCHMARK DSR	4.0
MEMORIAL	3.3
SRP-1WM	3.3
A08-FT12	2.7
LSD VALUE	12.1
C.V. (%)	65.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 22B. NUMBER OF DOLLAR SPOT INFECTION CENTERS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT INFECTION CENTERS PER PLOT 2/

NAME	MA1
PIN-UP (HTM)	30.7
LUMINARY (A08-TDN2)	25.3
CRYSTAL BLUELINKS	20.0
PURE SELECT (PST-OJD)	16.3
BARRACUDA (MVS-AP-101)	16.0
007	15.7
PRINCEVILLE	15.7
AUTHORITY	15.3
T-1	15.0
CY-2	11.7
L-93	11.3
PROCLAMATION (LTP-FEC)	7.7
PENNCROSS	7.0
DECLARATION	5.3
BENCHMARK DSR	4.0
MEMORIAL	3.3
SRP-1WM	3.3
LSD VALUE	13.1
C.V. (%)	60.8

TABLE 22C. NUMBER OF DOLLAR SPOT INFECTION CENTERS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2011 DATA

DOLLAR SPOT INFECTION CENTERS PER PLOT 2/

NAME	MA1
BCD	10.0
GREENTIME	8.0
PST-R9D7	7.7
TIGER II	6.3
A08-EBM	4.3
A08-FT12	2.7
LSD VALUE	9.1
C.V. (%)	86.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 23A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT KINGSTON, RI 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	SEPTEMBER	OCTOBER	MEAN
A08-EBM	8.3	9.0	8.7
GREENTIME	8.7	7.0	7.8
LUMINARY (A08-TDN2)	8.0	7.7	7.8
PENNCROSS	6.0	9.0	7.5
TIGER II	6.7	7.7	7.2
PIN-UP (HTM)	6.3	7.3	6.8
PURE SELECT (PST-OJD)	6.7	7.0	6.8
BCD	7.0	6.3	6.7
MEMORIAL	6.7	6.7	6.7
PST-R9D7	5.7	7.7	6.7
AUTHORITY	5.0	8.0	6.5
PRINCEVILLE	5.7	7.3	6.5
A08-FT12	6.3	6.3	6.3
CRYSTAL BLUELINKS	5.7	7.0	6.3
DECLARATION	3.7	8.3	6.0
BARRACUDA (MVS-AP-101)	6.0	5.0	5.5
L-93	6.7	4.3	5.5
007	5.7	4.7	5.2
T-1	4.0	6.3	5.2
PROCLAMATION (LTP-FEC)	7.0	2.3	4.7
BENCHMARK DSR	6.7	1.0	3.8
SRP-1WM	3.3	4.3	3.8
CY-2	2.3	3.7	3.0
LSD VALUE	4.9	6.2	4.9
C.V. (%)	34.7	43.1	32.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 23B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT KINGSTON, RI 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	SEPTEMBER	OCTOBER	MEAN
LUMINARY (A08-TDN2)	8.0	7.7	7.8
PENNCROSS	6.0	9.0	7.5
PIN-UP (HTM)	6.3	7.3	6.8
PURE SELECT (PST-OJD)	6.7	7.0	6.8
MEMORIAL	6.7	6.7	6.7
AUTHORITY	5.0	8.0	6.5
PRINCEVILLE	5.7	7.3	6.5
CRYSTAL BLUELINKS	5.7	7.0	6.3
DECLARATION	3.7	8.3	6.0
BARRACUDA (MVS-AP-101)	6.0	5.0	5.5
L-93	6.7	4.3	5.5
007	5.7	4.7	5.2
T-1	4.0	6.3	5.2
PROCLAMATION (LTP-FEC)	7.0	2.3	4.7
BENCHMARK DSR	6.7	1.0	3.8
SRP-1WM	3.3	4.3	3.8
CY-2	2.3	3.7	3.0
LSD VALUE	5.5	5.8	4.8
C.V. (%)	38.9	45.8	33.6

TABLE 23C. DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT KINGSTON, RI 1/
2011 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	SEPTEMBER	OCTOBER	MEAN
A08-EBM	8.3	9.0	8.7
GREENTIME	8.7	7.0	7.8
TIGER II	6.7	7.7	7.2
BCD	7.0	6.3	6.7
PST-R9D7	5.7	7.7	6.7
A08-FT12	6.3	6.3	6.3
LSD VALUE	4.5	5.7	5.0
C.V. (%)	27.1	31.5	27.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 24A. WEAR TOLERANCE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT AMHERST, MA 1/
2011 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	JUNE	AUGUST	OCTOBER	MEAN
AUTHORITY	5.3	7.0	6.3	6.2
BCD	6.3	5.7	6.7	6.2
CY-2	5.3	7.0	6.3	6.2
PURE SELECT (PST-OJD)	5.7	7.0	6.0	6.2
T-1	6.0	6.0	6.7	6.2
GREENTIME	5.7	5.7	6.7	6.0
MEMORIAL	5.7	6.7	5.7	6.0
PROCLAMATION (LTP-FEC)	5.3	6.3	6.0	5.9
TIGER II	6.0	5.3	6.3	5.9
A08-EBM	6.3	5.0	6.0	5.8
BENCHMARK DSR	5.7	5.7	5.7	5.7
DECLARATION	5.3	5.7	6.0	5.7
PIN-UP (HTM)	5.0	6.0	6.0	5.7
007	5.0	6.0	5.7	5.6
A08-FT12	5.3	5.3	6.0	5.6
BARRACUDA (MVS-AP-101)	5.3	5.3	6.0	5.6
CRYSTAL BLUELINKS	5.3	6.3	5.0	5.6
LUMINARY (A08-TDN2)	4.7	6.0	6.0	5.6
SRP-1WM	5.3	5.7	5.7	5.6
L-93	5.0	5.7	5.7	5.4
PST-R9D7	5.7	5.0	5.3	5.3
PRINCEVILLE	5.0	5.3	5.3	5.2
PENNCROSS	5.0	5.3	4.7	5.0
LSD VALUE	1.1	1.0	0.8	0.4
C.V. (%)	9.7	9.9	7.7	4.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 24B. WEAR TOLERANCE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT AMHERST, MA 1/
2011 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	JUNE	AUGUST	OCTOBER	MEAN
AUTHORITY	5.3	7.0	6.3	6.2
CY-2	5.3	7.0	6.3	6.2
PURE SELECT (PST-OJD)	5.7	7.0	6.0	6.2
T-1	6.0	6.0	6.7	6.2
MEMORIAL	5.7	6.7	5.7	6.0
PROCLAMATION (LTP-FEC)	5.3	6.3	6.0	5.9
BENCHMARK DSR	5.7	5.7	5.7	5.7
DECLARATION	5.3	5.7	6.0	5.7
PIN-UP (HTM)	5.0	6.0	6.0	5.7
007	5.0	6.0	5.7	5.6
BARRACUDA (MVS-AP-101)	5.3	5.3	6.0	5.6
CRYSTAL BLUELINKS	5.3	6.3	5.0	5.6
LUMINARY (A08-TDN2)	4.7	6.0	6.0	5.6
SRP-1WM	5.3	5.7	5.7	5.6
L-93	5.0	5.7	5.7	5.4
PRINCEVILLE	5.0	5.3	5.3	5.2
PENNCROSS	5.0	5.3	4.7	5.0
LSD VALUE	1.4	1.2	0.8	0.4
C.V. (%)	9.9	10.2	7.4	4.2

TABLE 24C. WEAR TOLERANCE RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT AMHERST, MA 1/
2011 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	JUNE	AUGUST	OCTOBER	MEAN
BCD	6.3	5.7	6.7	6.2
GREENTIME	5.7	5.7	6.7	6.0
TIGER II	6.0	5.3	6.3	5.9
A08-EBM	6.3	5.0	6.0	5.8
A08-FT12	5.3	5.3	6.0	5.6
PST-R9D7	5.7	5.0	5.3	5.3
LSD VALUE	1.2	1.1	1.0	0.6
C.V. (%)	9.1	9.1	7.8	5.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.