

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 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 FINELEAF FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2010

<u>State</u>	<u>Location</u>	<u>Code</u>
California	San Luis Obispo	CA1
California	Palo Alto (Recycled Water)	CA8
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Maryland	College Park	MD1
Minnesota	St. Paul	MN1
Minnesota	St. Paul (Traffic)	MN2
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup	WA3
Wisconsin	Madison (Traffic)	WI1

2008 NATIONAL FINELEAF FESCUE TEST

Entries and Sponsors

Entry No.	Name	Species	Sponsor
* 1	Treazure II	chewings	Standard entry
* 2	Boreal	strong creeping red	Standard entry
* 3	Spartan II	hard	Standard entry
* 4	Intrigue 2	chewings	Turf Merchants
* 5	Zodiac	chewings	Standard entry
6	Navigator II (MVS-OS-1)	strong creeping red	Mountain View Seeds
7	Beacon (Z6300)	hard	Mountain View Seeds
8	Radar (MVS-FRC-101)	chewings	Mountain View Seeds
9	Fairmont (TCD)	chewings	Dye Seed Ranch
10	PSG 50C3	chewings	Seed Research of Oregon
11	Sword (NC-HF1)	hard	Columbia River Seeds
* 12	Epic	strong creeping red	Standard entry
* 13	Gotham	hard	John Deere Landscapes
* 14	Lacrosse	chewings	John Deere Landscapes
15	IS-FRR-51	strong creeping red	DLF International Seeds
16	IS-FRR-62	strong creeping red	DLF International Seeds
17	IS-FRC-35	chewings	DLF International Seeds
18	IS-FRC-33	chewings	DLF International Seeds
* 19	Cascade	chewings	Standard entry
* 20	Aberdeen	strong creeping red	Brett-Young Seeds
21	PST-4CSD	chewings	Silverton Seed
22	PST-4HES	hard	Pure-Seed Testing
23	Bighorn GT (ST-4BU3)	blue hard	The Scotts Company
24	Shademaster III (PST-48Y7)	strong creeping red	The Scotts Company
25	PSG-5RM	strong creeping red	The Scotts Co.

* COMMERCIALY AVAILABLE IN THE USA IN 2011.

TABLE A.

2010 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2008 NATIONAL FINELEAF FESCUE 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
CA1	-	-	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
CA8	LOAM	7.1-7.5	61-150	0-150	3.1-4.0	FULL SUN	4.1+	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	241-375	1.1-2.0	UNIFORM SHADE	2.1-2.5	NO IRRIGATION
MD1	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
MN2	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
NE1	SILTY CLAY AND CLAY	6.6-7.0	0-60	501+	8.1+	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.6-7.0	271-450	151-240	0.0-1.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
PA1	LOAM	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
RI1	SANDY LOAM	-	-	-	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
UT1	SILT LOAM AND SILT	7.1-7.5	0-60	0-150	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
VA1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	1.1-2.0	LIGHT SHADE	2.6-3.0	ONLY DURING SEVERE STRESS
WA3	SAND	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2010

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY
CA1	X	X	X	X	X	X					X	X	X		
CA8	X	X	X	X	X	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	X	X		X	X	
MD1				X	X	X	X	X	X	X	X		X		
MN1				X	X	X	X	X	X	X			X	X	
MN2				X	X	X	X	X	X	X			X	X	
NE1					X	X	X	X	X	X			X	X	X
NJ2				X	X	X	X	X	X	X			X		
NY1					X	X	X	X	X	X				X	
PA1						X	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	
VA1				X	X	X	X	X	X	X			X		
WA3			X	X	X	X	X	X	X	X	X	X	X		
WI1					X	X	X	X	X	X				X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2010

LOCATION	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DOLLAR SPOT	RED THREAD	PYTHIUM BLIGHT	PINK PATCH	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SUMMER STRESS	RED THREAD JAN	RED THREAD JUNE	RATINGS SEPT
CA1					X											
CA8																
IL1					X											
IL2			X	X	X											
MD1													X			
MN1			X	X	X											
MN2			X	X	X											
NE1	X	X														
NJ2					X		X			X						
NY1																
PA1								X	X							
RI1	X			X	X		X	X								
UT1																
VA1																
WA3				X		X					X	X		X	X	X
WI1			X	X	X											

TABLE 1A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 **/
2010 DATA

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

NAME	PA1	MN1	WA3	MEAN
* FAIRMONT (TCD)	7.2	7.7	5.8	6.9
* RADAR (MVS-FRC-101)	6.9	7.4	5.8	6.7
PSG 50C3	7.0	7.2	5.5	6.5
IS-FRC-33	6.9	7.0	5.6	6.5
* INTRIGUE 2	6.8	6.9	5.4	6.4
IS-FRC-35	6.6	6.9	5.4	6.3
PSG-5RM	6.8	6.9	5.2	6.3
* TREAZURE II	6.6	6.9	5.3	6.3
* NAVIGATOR II (MVS-OS-1)	6.5	7.0	5.2	6.2
* ZODIAC	6.7	6.7	5.2	6.2
* SPARTAN II	5.9	6.5	6.0	6.2
IS-FRR-62	6.7	7.0	4.8	6.2
* BEACON (Z6300)	6.0	6.5	5.9	6.1
* LACROSSE	6.3	6.4	5.2	6.0
PST-4HES	5.8	6.2	5.9	6.0
* SWORD (NC-HF1)	5.7	6.1	5.9	5.9
IS-FRR-51	6.3	6.6	4.6	5.9
* GOTHAM	5.5	5.9	5.7	5.7
SHADEMASTER III (PST-48Y7)	6.1	6.1	4.4	5.5
* EPIC	5.8	6.0	4.3	5.4
* CASCADE	5.5	5.2	4.4	5.0
* BIGHORN GT (PST-4BU3)	5.1	4.9	4.5	4.8
* ABERDEEN	5.1	5.2	4.1	4.8
PST-4CSD	5.2	4.6	4.2	4.6
* BOREAL	4.0	3.8	3.1	3.7
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	11.1	10.7	13.3	11.6

* COMMERCIALY AVAILABLE IN THE USA IN 2011.

**/ 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. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
 GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
 2010 DATA

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

NAME	PA1	MN1	WA3	MEAN
FAIRMONT (TCD)	7.2	7.7	5.8	6.9
RADAR (MVS-FRC-101)	6.9	7.4	5.8	6.7
PSG 50C3	7.0	7.2	5.5	6.5
IS-FRC-33	6.9	7.0	5.6	6.5
INTRIGUE 2	6.8	6.9	5.4	6.4
IS-FRC-35	6.6	6.9	5.4	6.3
TREAZURE II	6.6	6.9	5.3	6.3
ZODIAC	6.7	6.7	5.2	6.2
LACROSSE	6.3	6.4	5.2	6.0
CASCADE	5.5	5.2	4.4	5.0
PST-4CSD	5.2	4.6	4.2	4.6
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	10.4	10.2	12.9	11.0

*/ 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 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2010 DATA

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

NAME	PA1	MN1	WA3	MEAN
PSG-5RM	6.8	6.9	5.2	6.3
NAVIGATOR II (MVS-OS-1)	6.5	7.0	5.2	6.2
IS-FRR-62	6.7	7.0	4.8	6.2
IS-FRR-51	6.3	6.6	4.6	5.9
SHADEMASTER III (PST-48Y7)	6.1	6.1	4.4	5.5
EPIC	5.8	6.0	4.3	5.4
ABERDEEN	5.1	5.2	4.1	4.8
BOREAL	4.0	3.8	3.1	3.7
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	11.4	11.1	15.2	12.3

TABLE 1D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2010 DATA

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

NAME	PA1	MN1	WA3	MEAN
SPARTAN II	5.9	6.5	6.0	6.2
BEACON (Z6300)	6.0	6.5	5.9	6.1
PST-4HES	5.8	6.2	5.9	6.0
SWORD (NC-HF1)	5.7	6.1	5.9	5.9
GOTHAM	5.5	5.9	5.7	5.7
BIGHORN GT (PST-4BU3)	5.1	4.9	4.5	4.8
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	11.9	11.2	12.0	11.7

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

TABLE 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

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

NAME	NJ1	RI1	MD1	MEAN
IS-FRC-33	5.8	8.2	5.0	6.3
FAIRMONT (TCD)	5.7	7.9	4.8	6.1
PSG 50C3	5.5	7.8	4.8	6.0
RADAR (MVS-FRC-101)	5.6	7.4	4.8	5.9
IS-FRC-35	5.4	7.7	4.6	5.9
INTRIGUE 2	5.4	7.4	4.8	5.9
ZODIAC	5.3	7.3	4.7	5.7
SWORD (NC-HF1)	5.5	6.6	5.0	5.7
BEACON (Z6300)	5.5	6.8	4.9	5.7
TREAZURE II	5.2	7.2	4.5	5.7
LACROSSE	5.1	6.8	4.7	5.6
PSG-5RM	5.0	6.7	4.7	5.5
SPARTAN II	5.3	5.9	5.0	5.4
PST-4HES	5.2	5.7	5.0	5.3
GOTHAM	5.1	5.8	4.9	5.3
PST-4CSD	4.5	6.5	4.3	5.1
CASCADE	4.3	5.6	4.3	4.7
IS-FRR-62	4.3	5.5	4.1	4.6
NAVIGATOR II (MVS-OS-1)	4.3	4.5	4.3	4.4
BIGHORN GT (PST-4BU3)	4.1	4.6	4.4	4.4
SHADEMASTER III (PST-48Y7)	3.9	4.8	4.0	4.3
IS-FRR-51	3.9	4.2	4.0	4.0
EPIC	3.5	3.7	3.8	3.7
ABERDEEN	3.4	3.5	3.7	3.5
BOREAL	2.4	2.3	3.0	2.6
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	14.2	11.3	15.1	13.3

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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. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

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

NAME	NJ1	RI1	MD1	MEAN
IS-FRC-33	5.8	8.2	5.0	6.3
FAIRMONT (TCD)	5.7	7.9	4.8	6.1
PSG 50C3	5.5	7.8	4.8	6.0
RADAR (MVS-FRC-101)	5.6	7.4	4.8	5.9
IS-FRC-35	5.4	7.7	4.6	5.9
INTRIGUE 2	5.4	7.4	4.8	5.9
ZODIAC	5.3	7.3	4.7	5.7
TREAZURE II	5.2	7.2	4.5	5.7
LACROSSE	5.1	6.8	4.7	5.6
PST-4CSD	4.5	6.5	4.3	5.1
CASCADE	4.3	5.6	4.3	4.7
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	12.9	9.3	14.5	11.8

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

TABLE 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NJ1	RI1	MD1	MEAN
PSG-5RM	5.0	6.7	4.7	5.5
IS-FRR-62	4.3	5.5	4.1	4.6
NAVIGATOR II (MVS-OS-1)	4.3	4.5	4.3	4.4
SHADEMASTER III (PST-48Y7)	3.9	4.8	4.0	4.3
IS-FRR-51	3.9	4.2	4.0	4.0
EPIC	3.5	3.7	3.8	3.7
ABERDEEN	3.4	3.5	3.7	3.5
BOREAL	2.4	2.3	3.0	2.6
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	17.6	15.4	17.2	16.6

TABLE 2D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NJ1	RI1	MD1	MEAN
SWORD (NC-HF1)	5.5	6.6	5.0	5.7
BEACON (Z6300)	5.5	6.8	4.9	5.7
SPARTAN II	5.3	5.9	5.0	5.4
PST-4HES	5.2	5.7	5.0	5.3
GOTHAM	5.1	5.8	4.9	5.3
BIGHORN GT (PST-4BU3)	4.1	4.6	4.4	4.4
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	13.2	11.5	13.9	12.8

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

TABLE 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2010 DATA

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

NAME	NY1	VA1	UT1	MEAN
NAVIGATOR II (MVS-OS-1)	5.1	6.9	7.0	6.3
SPARTAN II	5.6	6.3	6.9	6.2
PST-4HES	5.6	6.2	6.9	6.2
IS-FRR-51	4.7	6.7	6.8	6.1
PSG-5RM	4.9	6.7	6.5	6.0
RADAR (MVS-FRC-101)	5.0	6.6	6.4	6.0
GOTHAM	5.4	5.9	6.6	6.0
SWORD (NC-HF1)	5.4	5.9	6.5	5.9
FAIRMONT (TCD)	4.9	6.7	6.2	5.9
IS-FRC-33	5.0	6.5	6.2	5.9
PSG 50C3	4.9	6.6	6.2	5.9
INTRIGUE 2	4.9	6.5	6.3	5.9
LACROSSE	5.0	6.3	6.4	5.9
ZODIAC	4.9	6.5	6.3	5.9
BEACON (Z6300)	5.2	6.0	6.3	5.9
EPIC	4.6	6.3	6.6	5.8
IS-FRR-62	4.5	6.6	6.4	5.8
BIGHORN GT (PST-4BU3)	5.0	5.8	6.6	5.8
SHADEMASTER III (PST-48Y7)	4.5	6.3	6.3	5.7
TREAZURE II	4.6	6.2	6.0	5.6
IS-FRC-35	4.7	6.2	5.9	5.6
CASCADE	4.6	5.8	6.1	5.5
ABERDEEN	4.4	5.8	6.3	5.5
PST-4CSD	4.4	5.3	5.6	5.1
BOREAL	3.8	5.0	5.7	4.8
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	13.9	10.9	10.6	11.6

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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. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
 GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
 2010 DATA

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

NAME	NY1	VA1	UT1	MEAN
RADAR (MVS-FRC-101)	5.0	6.6	6.4	6.0
FAIRMONT (TCD)	4.9	6.7	6.2	5.9
IS-FRC-33	5.0	6.5	6.2	5.9
PSG 50C3	4.9	6.6	6.2	5.9
INTRIGUE 2	4.9	6.5	6.3	5.9
LACROSSE	5.0	6.3	6.4	5.9
ZODIAC	4.9	6.5	6.3	5.9
TREAZURE II	4.6	6.2	6.0	5.6
IS-FRC-35	4.7	6.2	5.9	5.6
CASCADE	4.6	5.8	6.1	5.5
PST-4CSD	4.4	5.3	5.6	5.1
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	14.1	10.7	11.0	11.8

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

TABLE 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2010 DATA

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

NAME	NY1	VA1	UT1	MEAN
NAVIGATOR II (MVS-OS-1)	5.1	6.9	7.0	6.3
IS-FRR-51	4.7	6.7	6.8	6.1
PSG-5RM	4.9	6.7	6.5	6.0
EPIC	4.6	6.3	6.6	5.8
IS-FRR-62	4.5	6.6	6.4	5.8
SHADEMASTER III (PST-48Y7)	4.5	6.3	6.3	5.7
ABERDEEN	4.4	5.8	6.3	5.5
BOREAL	3.8	5.0	5.7	4.8
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	14.9	10.8	10.5	11.7

TABLE 3D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2010 DATA

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

NAME	NY1	VA1	UT1	MEAN
SPARTAN II	5.6	6.3	6.9	6.2
PST-4HES	5.6	6.2	6.9	6.2
GOTHAM	5.4	5.9	6.6	6.0
SWORD (NC-HF1)	5.4	5.9	6.5	5.9
BEACON (Z6300)	5.2	6.0	6.3	5.9
BIGHORN GT (PST-4BU3)	5.0	5.8	6.6	5.8
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	12.7	11.2	10.2	11.3

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

TABLE 4A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 4 */
2010 DATA

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

NAME	IL1	NE1	CA1	MEAN
PSG-5RM	4.9	5.8	7.7	6.1
IS-FRR-51	4.7	5.4	7.6	5.9
ZODIAC	4.6	5.6	7.5	5.9
SHADEMASTER III (PST-48Y7)	4.5	5.7	7.4	5.9
PSG 50C3	4.7	5.4	7.4	5.8
IS-FRC-33	4.6	5.4	7.5	5.8
INTRIGUE 2	4.5	5.2	7.5	5.8
IS-FRR-62	4.7	5.2	7.2	5.7
CASCADE	4.0	5.5	7.6	5.7
PST-4CSD	3.8	5.8	7.4	5.7
LACROSSE	4.2	5.0	7.6	5.6
EPIC	4.3	5.0	7.5	5.6
NAVIGATOR II (MVS-OS-1)	4.5	4.6	7.7	5.6
BIGHORN GT (PST-4BU3)	3.7	4.9	7.9	5.5
FAIRMONT (TCD)	4.4	4.3	7.2	5.3
IS-FRC-35	4.0	4.3	7.0	5.1
ABERDEEN	3.6	4.3	7.2	5.0
RADAR (MVS-FRC-101)	4.1	3.8	7.2	5.0
TREAZURE II	4.0	4.1	7.0	5.0
BOREAL	3.0	4.4	6.9	4.8
PST-4HES	3.0	2.4	7.7	4.4
SPARTAN II	3.0	2.1	7.6	4.2
SWORD (NC-HF1)	2.8	2.3	7.4	4.2
GOTHAM	2.8	2.2	7.4	4.1
BEACON (Z6300)	2.9	2.1	7.2	4.0
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	17.1	15.3	9.1	12.8

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

TABLE 4B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
 GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 4 */
 2010 DATA

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

NAME	IL1	NE1	CA1	MEAN
ZODIAC	4.6	5.6	7.5	5.9
PSG 50C3	4.7	5.4	7.4	5.8
IS-FRC-33	4.6	5.4	7.5	5.8
INTRIGUE 2	4.5	5.2	7.5	5.8
CASCADE	4.0	5.5	7.6	5.7
PST-4CSD	3.8	5.8	7.4	5.7
LACROSSE	4.2	5.0	7.6	5.6
FAIRMONT (TCD)	4.4	4.3	7.2	5.3
IS-FRC-35	4.0	4.3	7.0	5.1
RADAR (MVS-FRC-101)	4.1	3.8	7.2	5.0
TREAZURE II	4.0	4.1	7.0	5.0
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	15.9	13.7	9.2	12.3

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TABLE 4C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 4 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	IL1	NE1	CA1	MEAN
PSG-5RM	4.9	5.8	7.7	6.1
IS-FRR-51	4.7	5.4	7.6	5.9
SHADEMASTER III (PST-48Y7)	4.5	5.7	7.4	5.9
IS-FRR-62	4.7	5.2	7.2	5.7
EPIC	4.3	5.0	7.5	5.6
NAVIGATOR II (MVS-OS-1)	4.5	4.6	7.7	5.6
ABERDEEN	3.6	4.3	7.2	5.0
BOREAL	3.0	4.4	6.9	4.8
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	15.9	13.4	9.2	12.1

TABLE 4D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN AT THREE LOCATIONS IN THE U.S. FOR AMMI GROUP 4 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	IL1	NE1	CA1	MEAN
BIGHORN GT (PST-4BU3)	3.7	4.9	7.9	5.5
PST-4HES	3.0	2.4	7.7	4.4
SPARTAN II	3.0	2.1	7.6	4.2
SWORD (NC-HF1)	2.8	2.3	7.4	4.2
GOTHAM	2.8	2.2	7.4	4.1
BEACON (Z6300)	2.9	2.1	7.2	4.0
LSD VALUE	1.1	1.1	1.1	1.1
C.V. (%)	22.3	25.4	9.0	15.4

*/ 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 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT	PERCENT	PERCENT	MAR	APR	MAY	JUN	QUALITY RATINGS					MEAN
			COVER SPRING	COVER SUMMER	COVER FALL					JUL	AUG	SEP	OCT	NOV	
BEACON (Z6300)	4.0	3.0	97.7	67.3	72.0	3.3	6.0	9.0	8.0	7.0	6.3	6.0	6.0	5.7	6.4
GOTHAM	6.3	5.3	94.0	73.3	83.0	4.7	5.0	8.0	8.0	8.0	6.0	6.0	6.3	6.0	6.4
SWORD (NC-HF1)	4.7	3.0	87.0	64.7	61.3	3.0	4.0	6.3	8.0	7.0	6.7	6.0	5.7	5.0	5.7
BIGHORN GT (PST-4BU3)	4.0	2.3	95.3	65.7	92.7	4.0	5.0	6.0	6.3	6.0	6.0	6.0	6.0	5.0	5.6
PST-4HES	4.0	4.0	96.3	58.3	64.0	4.0	5.0	8.0	6.7	6.0	5.0	5.0	5.0	5.0	5.5
SPARTAN II	4.0	4.0	97.0	56.7	75.3	3.3	6.0	7.0	6.0	6.3	5.0	5.0	5.7	5.0	5.5
PSG 50C3	4.3	4.0	97.0	68.3	87.0	4.0	6.0	5.7	6.0	6.0	6.0	5.0	5.0	5.0	5.4
FAIRMONT (TCD)	6.0	4.3	98.3	60.3	57.7	4.0	6.0	8.0	7.7	5.0	5.3	4.0	3.7	4.0	5.3
RADAR (MVS-FRC-101)	6.0	6.0	96.7	48.3	77.3	5.0	7.0	7.0	6.0	6.0	4.0	4.0	4.0	4.0	5.2
ZODIAC	5.7	5.7	98.3	50.3	64.0	5.7	7.7	6.0	5.3	4.0	4.0	4.0	4.0	4.0	5.0
IS-FRC-35	5.0	4.0	98.0	38.7	58.3	4.0	7.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0	4.6
INTRIGUE 2	6.0	5.0	98.3	48.7	48.7	4.7	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	4.4
IS-FRC-33	4.0	5.0	98.7	19.3	35.0	4.3	7.0	7.0	6.0	4.0	2.3	2.3	2.7	3.0	4.3
CASCADE	7.3	6.0	97.0	28.3	42.3	6.0	7.0	5.0	5.0	2.7	2.3	2.3	2.7	3.0	4.0
TREAZURE II	4.7	5.0	96.3	31.0	48.0	4.3	6.3	5.0	4.0	3.0	3.0	3.0	3.0	3.3	3.9
LACROSSE	4.3	5.0	96.7	39.3	36.7	4.0	6.0	7.0	4.0	3.3	2.7	2.3	2.3	2.3	3.8
PSG-5RM	4.0	4.0	91.0	23.7	39.3	5.0	5.0	4.3	5.0	3.7	2.0	1.7	2.0	1.7	3.4
PST-4CSD	4.3	4.3	93.7	21.3	33.3	4.0	6.0	5.0	3.0	2.0	2.0	2.3	3.7	2.0	3.3
SHADEMASTER III (PST-48Y7)	3.0	3.0	83.0	29.0	35.0	3.0	5.0	4.0	3.7	4.0	3.0	2.7	2.7	2.0	3.3
NAVIGATOR II (MVS-OS-1)	5.0	3.3	89.7	25.3	37.3	3.0	5.0	5.0	3.7	3.0	2.7	2.7	2.0	2.0	3.2
IS-FRR-51	4.0	4.0	94.3	25.0	28.3	4.0	5.0	4.0	3.7	4.0	2.0	1.7	2.0	2.0	3.1
IS-FRR-62	4.0	5.0	93.0	18.7	20.3	4.0	5.0	6.0	3.3	3.0	2.0	2.0	1.0	1.0	3.0
EPIC	5.0	5.0	86.7	15.3	33.0	4.3	5.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8
BOREAL	3.0	5.0	83.3	16.3	36.3	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.3	1.0	2.7
ABERDEEN	4.0	4.3	90.7	4.3	13.3	4.7	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	2.5
LSD VALUE	1.8	1.6	7.3	31.4	37.2	1.6	1.1	0.9	0.9	1.6	1.7	1.5	1.6	1.4	0.9
C.V. (%)	21.9	20.9	4.5	45.5	40.6	19.9	12.0	10.6	12.1	24.1	29.4	27.3	28.7	28.4	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 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			QUALITY RATINGS							MEAN		
			SPRING	SUMMER	FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP		OCT	NOV
PSG 50C3	4.3	4.0	97.0	68.3	87.0	4.0	6.0	5.7	6.0	6.0	6.0	5.0	5.0	5.0	5.4
FAIRMONT (TCD)	6.0	4.3	98.3	60.3	57.7	4.0	6.0	8.0	7.7	5.0	5.3	4.0	3.7	4.0	5.3
RADAR (MVS-FRC-101)	6.0	6.0	96.7	48.3	77.3	5.0	7.0	7.0	6.0	6.0	4.0	4.0	4.0	4.0	5.2
ZODIAC	5.7	5.7	98.3	50.3	64.0	5.7	7.7	6.0	5.3	4.0	4.0	4.0	4.0	4.0	5.0
IS-FRC-35	5.0	4.0	98.0	38.7	58.3	4.0	7.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0	4.6
INTRIGUE 2	6.0	5.0	98.3	48.7	48.7	4.7	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	4.4
IS-FRC-33	4.0	5.0	98.7	19.3	35.0	4.3	7.0	7.0	6.0	4.0	2.3	2.3	2.7	3.0	4.3
CASCADE	7.3	6.0	97.0	28.3	42.3	6.0	7.0	5.0	5.0	2.7	2.3	2.3	2.7	3.0	4.0
TREAZURE II	4.7	5.0	96.3	31.0	48.0	4.3	6.3	5.0	4.0	3.0	3.0	3.0	3.0	3.3	3.9
LACROSSE	4.3	5.0	96.7	39.3	36.7	4.0	6.0	7.0	4.0	3.3	2.7	2.3	2.3	2.3	3.8
PST-4CSD	4.3	4.3	93.7	21.3	33.3	4.0	6.0	5.0	3.0	2.0	2.0	2.3	3.7	2.0	3.3
LSD VALUE	2.0	2.2	4.6	40.4	54.1	1.6	1.3	1.4	0.8	1.6	1.8	1.9	3.0	1.9	1.1
C.V. (%)	19.7	19.3	2.0	45.4	43.9	17.4	9.6	12.9	9.3	23.4	28.5	29.3	34.8	28.0	13.2

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 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			QUALITY RATINGS									
			SPRING	SUMMER	FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PSG-5RM	4.0	4.0	91.0	23.7	39.3	5.0	5.0	4.3	5.0	3.7	2.0	1.7	2.0	1.7	3.4
SHADEMASTER III (PST-48Y7)	3.0	3.0	83.0	29.0	35.0	3.0	5.0	4.0	3.7	4.0	3.0	2.7	2.7	2.0	3.3
NAVIGATOR II (MVS-OS-1)	5.0	3.3	89.7	25.3	37.3	3.0	5.0	5.0	3.7	3.0	2.7	2.7	2.0	2.0	3.2
IS-FRR-51	4.0	4.0	94.3	25.0	28.3	4.0	5.0	4.0	3.7	4.0	2.0	1.7	2.0	2.0	3.1
IS-FRR-62	4.0	5.0	93.0	18.7	20.3	4.0	5.0	6.0	3.3	3.0	2.0	2.0	1.0	1.0	3.0
EPIC	5.0	5.0	86.7	15.3	33.0	4.3	5.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8
BOREAL	3.0	5.0	83.3	16.3	36.3	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.3	1.0	2.7
ABERDEEN	4.0	4.3	90.7	4.3	13.3	4.7	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	2.5
LSD VALUE	2.0	2.3	13.7	39.4	49.9	2.1	1.5	0.6	1.6	2.9	1.8	1.3	1.3	1.3	1.3
C.V. (%)	22.9	24.0	6.7	78.1	63.2	23.2	12.3	9.0	24.2	39.8	38.7	31.5	33.7	38.1	17.3

TABLE 5D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			QUALITY RATINGS									
			SPRING	SUMMER	FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BEACON (Z6300)	4.0	3.0	97.7	67.3	72.0	3.3	6.0	9.0	8.0	7.0	6.3	6.0	6.0	5.7	6.4
GOTHAM	6.3	5.3	94.0	73.3	83.0	4.7	5.0	8.0	8.0	8.0	6.0	6.0	6.3	6.0	6.4
SWORD (NC-HF1)	4.7	3.0	87.0	64.7	61.3	3.0	4.0	6.3	8.0	7.0	6.7	6.0	5.7	5.0	5.7
BIGHORN GT (PST-4BU3)	4.0	2.3	95.3	65.7	92.7	4.0	5.0	6.0	6.3	6.0	6.0	6.0	6.0	5.0	5.6
PST-4HES	4.0	4.0	96.3	58.3	64.0	4.0	5.0	8.0	6.7	6.0	5.0	5.0	5.0	5.0	5.5
SPARTAN II	4.0	4.0	97.0	56.7	75.3	3.3	6.0	7.0	6.0	6.3	5.0	5.0	5.7	5.0	5.5
LSD VALUE	2.8	1.2	8.1	57.2	47.9	1.2	1.8	0.9	0.9	2.7	3.6	3.3	2.7	3.4	1.8
C.V. (%)	28.1	18.7	4.1	34.6	27.2	16.0	16.2	6.8	6.7	17.5	25.4	23.0	18.9	25.1	13.0

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT ST. PAUL, MN 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT	PERCENT	PERCENT	QUALITY RATINGS						MEAN	
			COVER SPRING	COVER SUMMER	COVER FALL	APR	MAY	JUN	JUL	AUG	SEP		OCT
FAIRMONT (TCD)	5.3	6.7	96.3	95.0	96.3	7.7	8.0	6.3	6.3	7.7	6.0	7.3	7.0
PSG 50C3	5.0	5.7	96.3	93.3	93.3	8.0	8.7	5.3	6.0	7.0	4.3	5.3	6.4
RADAR (MVS-FRC-101)	5.3	6.0	94.7	93.3	93.3	7.0	8.3	4.0	5.3	7.3	5.3	6.0	6.2
IS-FRC-33	4.7	6.0	91.7	91.7	94.7	6.3	7.3	5.7	6.3	7.0	5.0	5.3	6.1
IS-FRC-35	4.3	7.0	90.0	91.7	96.3	6.3	7.0	5.0	5.7	7.3	5.3	6.0	6.1
TREAZURE II	4.0	5.7	96.3	91.7	93.3	7.0	7.3	4.7	6.0	6.7	5.0	5.3	6.0
ZODIAC	6.0	7.0	96.3	93.3	95.0	6.3	7.0	5.3	5.7	7.0	5.3	5.7	6.0
INTRIGUE 2	4.7	6.7	95.0	91.7	93.3	7.0	6.7	4.3	5.7	6.0	5.0	5.7	5.8
IS-FRR-62	4.3	4.3	95.0	90.0	90.0	6.3	7.7	6.0	5.0	5.7	4.7	4.7	5.7
SWORD (NC-HF1)	5.3	7.3	95.0	90.0	93.3	6.3	6.0	4.7	5.0	6.0	5.0	5.7	5.5
BEACON (Z6300)	3.7	7.0	96.3	90.0	93.0	6.0	6.3	4.0	5.3	5.7	5.3	5.3	5.4
LACROSSE	6.0	6.0	93.3	90.0	93.3	6.3	6.0	4.7	6.0	5.7	4.7	4.7	5.4
GOTHAM	5.7	7.3	95.0	91.7	95.0	6.0	6.0	4.0	4.7	6.3	5.0	5.0	5.3
SPARTAN II	5.0	7.0	95.0	91.7	94.7	5.7	6.3	3.7	5.3	6.0	5.0	5.3	5.3
PSG-5RM	5.0	4.0	95.0	86.7	88.3	5.7	7.3	5.3	4.7	5.3	4.0	4.3	5.2
PST-4HES	5.0	7.0	93.3	90.0	95.0	6.0	6.0	3.7	4.7	5.3	5.0	5.7	5.2
IS-FRR-51	4.7	4.0	95.0	85.0	85.0	5.7	8.0	4.7	5.0	4.7	3.7	4.0	5.1
NAVIGATOR II (MVS-OS-1)	5.0	5.0	95.0	88.3	90.0	5.7	6.7	5.3	4.3	5.7	4.0	4.3	5.1
CASCADE	5.7	6.7	93.3	86.7	93.3	5.3	5.0	4.3	5.0	5.7	4.0	5.0	4.9
EPIC	4.3	4.3	95.0	83.3	86.7	5.7	7.3	4.7	4.7	4.7	3.3	3.3	4.8
SHADEMASTER III (PST-48Y7)	4.7	4.3	95.0	88.3	88.3	5.7	7.0	4.3	4.3	4.3	3.7	4.0	4.8
BIGHORN GT (PST-4BU3)	7.7	7.3	93.3	86.7	90.0	5.0	5.3	4.0	4.3	5.0	4.7	4.7	4.7
ABERDEEN	4.7	3.3	93.3	83.3	85.0	4.7	6.0	4.3	4.0	4.3	3.3	3.0	4.2
PST-4CSD	6.7	6.3	76.7	90.0	90.0	3.7	3.3	2.0	4.7	5.3	3.7	4.3	3.9
BOREAL	3.0	4.3	88.3	81.7	88.3	4.3	4.7	3.7	3.3	3.3	3.0	2.7	3.6
LSD VALUE	1.2	1.1	6.8	4.5	5.9	1.3	0.9	1.4	0.9	0.9	1.2	1.4	0.7
C.V. (%)	14.5	12.0	4.1	3.0	3.6	13.1	8.6	17.6	11.1	10.2	15.0	16.8	8.0

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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT ST. PAUL, MN 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT	PERCENT	PERCENT	QUALITY RATINGS						MEAN	
			COVER SPRING	COVER SUMMER	COVER FALL	APR	MAY	JUN	JUL	AUG	SEP		OCT
FAIRMONT (TCD)	5.3	6.7	96.3	95.0	96.3	7.7	8.0	6.3	6.3	7.7	6.0	7.3	7.0
PSG 50C3	5.0	5.7	96.3	93.3	93.3	8.0	8.7	5.3	6.0	7.0	4.3	5.3	6.4
RADAR (MVS-FRC-101)	5.3	6.0	94.7	93.3	93.3	7.0	8.3	4.0	5.3	7.3	5.3	6.0	6.2
IS-FRC-33	4.7	6.0	91.7	91.7	94.7	6.3	7.3	5.7	6.3	7.0	5.0	5.3	6.1
IS-FRC-35	4.3	7.0	90.0	91.7	96.3	6.3	7.0	5.0	5.7	7.3	5.3	6.0	6.1
TREAZURE II	4.0	5.7	96.3	91.7	93.3	7.0	7.3	4.7	6.0	6.7	5.0	5.3	6.0
ZODIAC	6.0	7.0	96.3	93.3	95.0	6.3	7.0	5.3	5.7	7.0	5.3	5.7	6.0
INTRIGUE 2	4.7	6.7	95.0	91.7	93.3	7.0	6.7	4.3	5.7	6.0	5.0	5.7	5.8
LACROSSE	6.0	6.0	93.3	90.0	93.3	6.3	6.0	4.7	6.0	5.7	4.7	4.7	5.4
CASCADE	5.7	6.7	93.3	86.7	93.3	5.3	5.0	4.3	5.0	5.7	4.0	5.0	4.9
PST-4CSD	6.7	6.3	76.7	90.0	90.0	3.7	3.3	2.0	4.7	5.3	3.7	4.3	3.9
LSD VALUE	1.5	2.0	9.8	6.1	6.4	2.0	1.2	1.6	1.1	1.0	1.1	1.7	0.7
C.V. (%)	14.9	12.7	5.6	3.0	2.8	16.6	10.9	18.8	9.8	8.5	12.3	15.4	7.7

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 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT ST. PAUL, MN 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			QUALITY RATINGS							MEAN
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
IS-FRR-62	4.3	4.3	95.0	90.0	90.0	6.3	7.7	6.0	5.0	5.7	4.7	4.7	5.7
PSG-5RM	5.0	4.0	95.0	86.7	88.3	5.7	7.3	5.3	4.7	5.3	4.0	4.3	5.2
IS-FRR-51	4.7	4.0	95.0	85.0	85.0	5.7	8.0	4.7	5.0	4.7	3.7	4.0	5.1
NAVIGATOR II (MVS-OS-1)	5.0	5.0	95.0	88.3	90.0	5.7	6.7	5.3	4.3	5.7	4.0	4.3	5.1
EPIC	4.3	4.3	95.0	83.3	86.7	5.7	7.3	4.7	4.7	4.7	3.3	3.3	4.8
SHADEMASTER III (PST-48Y7)	4.7	4.3	95.0	88.3	88.3	5.7	7.0	4.3	4.3	4.3	3.7	4.0	4.8
ABERDEEN	4.7	3.3	93.3	83.3	85.0	4.7	6.0	4.3	4.0	4.3	3.3	3.0	4.2
BOREAL	3.0	4.3	88.3	81.7	88.3	4.3	4.7	3.7	3.3	3.3	3.0	2.7	3.6
LSD VALUE	1.7	1.7	2.3	5.5	10.7	1.1	0.7	1.6	0.8	1.1	1.3	1.0	0.7
C.V. (%)	17.2	16.8	1.4	3.3	4.7	10.7	6.5	16.3	10.0	12.7	16.1	14.1	8.0

TABLE 6D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT ST. PAUL, MN 1/
2010 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			QUALITY RATINGS							MEAN
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
SWORD (NC-HF1)	5.3	7.3	95.0	90.0	93.3	6.3	6.0	4.7	5.0	6.0	5.0	5.7	5.5
BEACON (Z6300)	3.7	7.0	96.3	90.0	93.0	6.0	6.3	4.0	5.3	5.7	5.3	5.3	5.4
GOTHAM	5.7	7.3	95.0	91.7	95.0	6.0	6.0	4.0	4.7	6.3	5.0	5.0	5.3
SPARTAN II	5.0	7.0	95.0	91.7	94.7	5.7	6.3	3.7	5.3	6.0	5.0	5.3	5.3
PST-4HES	5.0	7.0	93.3	90.0	95.0	6.0	6.0	3.7	4.7	5.3	5.0	5.7	5.2
BIGHORN GT (PST-4BU3)	7.7	7.3	93.3	86.7	90.0	5.0	5.3	4.0	4.3	5.0	4.7	4.7	4.7
LSD VALUE	0.9	1.1	4.8	5.8	8.5	0.6	0.9	1.3	1.6	1.5	2.3	3.0	1.2
C.V. (%)	9.4	6.2	2.2	2.9	3.8	5.4	6.8	13.7	14.3	11.8	17.9	22.3	9.3

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 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2010 DATA

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

NAME	SPRING GREENUP	PERCENT	PERCENT	PERCENT	QUALITY RATINGS						MEAN
		COVER SPRING	COVER SUMMER	COVER FALL	MAY	JUN	JUL	AUG	SEP	OCT	
INTRIGUE 2	8.0	99.0	81.7	85.0	8.7	8.7	7.3	4.3	5.7	6.0	6.8
IS-FRC-33	8.3	99.0	73.3	88.3	8.7	9.0	7.0	3.3	4.7	6.7	6.6
IS-FRC-35	8.3	98.7	70.0	86.7	9.0	8.7	7.0	3.7	5.0	5.7	6.5
PSG 50C3	9.0	98.7	68.3	86.7	9.0	8.7	6.7	4.7	5.0	5.0	6.5
TREAZURE II	6.7	98.7	66.7	83.3	8.7	8.7	7.0	4.3	4.7	5.7	6.5
ZODIAC	8.0	99.0	71.7	85.0	9.0	9.0	7.0	3.3	5.3	5.0	6.4
NAVIGATOR II (MVS-OS-1)	8.3	96.3	73.3	81.7	6.3	9.0	7.3	4.3	5.3	5.3	6.3
RADAR (MVS-FRC-101)	8.0	99.0	73.3	88.3	8.7	9.0	6.3	2.7	4.7	5.7	6.2
FAIRMONT (TCD)	8.0	99.0	76.7	83.3	9.0	9.0	5.3	3.3	5.0	5.0	6.1
IS-FRR-62	8.3	88.0	75.0	85.0	7.3	7.7	6.0	4.7	5.3	5.7	6.1
ABERDEEN	8.7	94.0	63.3	81.7	6.3	8.7	7.0	3.7	4.7	5.3	5.9
IS-FRR-51	7.0	89.3	60.0	76.7	6.7	8.3	5.7	4.0	4.7	5.0	5.7
LACROSSE	8.7	95.3	60.0	78.3	8.0	7.0	5.7	3.3	4.3	5.7	5.7
CASCADE	7.7	96.3	56.7	70.0	7.7	8.0	5.3	4.0	4.0	4.3	5.6
PSG-5RM	7.3	90.0	61.7	80.0	6.7	8.0	5.7	4.0	4.3	5.0	5.6
EPIC	8.0	86.0	43.3	68.3	7.0	8.0	6.7	3.7	3.7	3.7	5.4
PST-4CSD	6.7	93.3	55.0	56.7	6.7	8.0	5.7	3.7	3.7	4.7	5.4
SHADEMASTER III (PST-48Y7)	7.3	93.0	46.7	65.0	5.3	8.0	5.0	3.3	3.7	3.7	4.8
SPARTAN II	7.7	88.3	35.0	46.7	6.0	7.0	4.0	3.0	2.0	2.7	4.1
PST-4HES	8.3	71.7	30.0	53.3	4.3	7.0	3.3	3.0	3.0	3.0	3.9
SWORD (NC-HF1)	8.0	77.7	40.0	65.0	4.0	7.7	2.7	2.7	2.3	3.3	3.8
BIGHORN GT (PST-4BU3)	7.7	68.3	43.3	50.0	3.0	7.3	2.7	3.0	3.0	3.0	3.7
BEACON (Z6300)	8.0	75.0	31.7	46.7	3.3	6.0	3.7	2.7	2.3	2.7	3.4
BOREAL	8.0	95.0	6.7	50.0	5.7	6.3	3.0	1.7	1.7	2.3	3.4
GOTHAM	8.0	63.3	25.0	16.7	2.7	4.7	1.7	1.0	1.3	1.3	2.1
LSD VALUE	2.4	13.5	23.4	22.9	1.5	2.2	1.9	2.6	1.8	1.7	1.1
C.V. (%)	11.0	9.1	25.9	19.9	14.6	14.6	22.4	32.9	26.6	23.4	13.4

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 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2010 DATA

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

NAME	SPRING GREENUP	PERCENT	PERCENT	PERCENT	QUALITY RATINGS					OCT	MEAN
		COVER SPRING	COVER SUMMER	COVER FALL	MAY	JUN	JUL	AUG	SEP		
INTRIGUE 2	8.0	99.0	81.7	85.0	8.7	8.7	7.3	4.3	5.7	6.0	6.8
IS-FRC-33	8.3	99.0	73.3	88.3	8.7	9.0	7.0	3.3	4.7	6.7	6.6
IS-FRC-35	8.3	98.7	70.0	86.7	9.0	8.7	7.0	3.7	5.0	5.7	6.5
PSG 50C3	9.0	98.7	68.3	86.7	9.0	8.7	6.7	4.7	5.0	5.0	6.5
TREAZURE II	6.7	98.7	66.7	83.3	8.7	8.7	7.0	4.3	4.7	5.7	6.5
ZODIAC	8.0	99.0	71.7	85.0	9.0	9.0	7.0	3.3	5.3	5.0	6.4
RADAR (MVS-FRC-101)	8.0	99.0	73.3	88.3	8.7	9.0	6.3	2.7	4.7	5.7	6.2
FAIRMONT (TCD)	8.0	99.0	76.7	83.3	9.0	9.0	5.3	3.3	5.0	5.0	6.1
LACROSSE	8.7	95.3	60.0	78.3	8.0	7.0	5.7	3.3	4.3	5.7	5.7
CASCADE	7.7	96.3	56.7	70.0	7.7	8.0	5.3	4.0	4.0	4.3	5.6
PST-4CSD	6.7	93.3	55.0	56.7	6.7	8.0	5.7	3.7	3.7	4.7	5.4
LSD VALUE	2.0	3.4	22.1	18.2	0.7	1.0	4.3	4.0	1.6	2.4	1.2
C.V. (%)	11.2	1.8	14.8	11.7	5.2	6.3	24.0	37.4	15.3	18.1	9.1

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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2010 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS						MEAN
					MAY	JUN	JUL	AUG	SEP	OCT	
NAVIGATOR II (MVS-OS-1)	8.3	96.3	73.3	81.7	6.3	9.0	7.3	4.3	5.3	5.3	6.3
IS-FRR-62	8.3	88.0	75.0	85.0	7.3	7.7	6.0	4.7	5.3	5.7	6.1
ABERDEEN	8.7	94.0	63.3	81.7	6.3	8.7	7.0	3.7	4.7	5.3	5.9
IS-FRR-51	7.0	89.3	60.0	76.7	6.7	8.3	5.7	4.0	4.7	5.0	5.7
PSG-5RM	7.3	90.0	61.7	80.0	6.7	8.0	5.7	4.0	4.3	5.0	5.6
EPIC	8.0	86.0	43.3	68.3	7.0	8.0	6.7	3.7	3.7	3.7	5.4
SHADEMASTER III (PST-48Y7)	7.3	93.0	46.7	65.0	5.3	8.0	5.0	3.3	3.7	3.7	4.8
BOREAL	8.0	95.0	6.7	50.0	5.7	6.3	3.0	1.7	1.7	2.3	3.4
LSD VALUE	2.7	26.8	21.4	27.6	3.1	3.6	1.8	1.6	2.9	2.1	1.4
C.V. (%)	13.6	10.8	23.3	17.9	19.1	18.0	17.0	22.7	32.9	23.9	14.1

TABLE 7D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2010 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS						MEAN
					MAY	JUN	JUL	AUG	SEP	OCT	
SPARTAN II	7.7	88.3	35.0	46.7	6.0	7.0	4.0	3.0	2.0	2.7	4.1
PST-4HES	8.3	71.7	30.0	53.3	4.3	7.0	3.3	3.0	3.0	3.0	3.9
SWORD (NC-HF1)	8.0	77.7	40.0	65.0	4.0	7.7	2.7	2.7	2.3	3.3	3.8
BIGHORN GT (PST-4BU3)	7.7	68.3	43.3	50.0	3.0	7.3	2.7	3.0	3.0	3.0	3.7
BEACON (Z6300)	8.0	75.0	31.7	46.7	3.3	6.0	3.7	2.7	2.3	2.7	3.4
GOTHAM	8.0	63.3	25.0	16.7	2.7	4.7	1.7	1.0	1.3	1.3	2.1
LSD VALUE	0.9	29.3	56.9	41.2	2.5	3.7	1.6	2.5	2.4	2.4	2.1
C.V. (%)	5.0	17.3	65.1	41.2	31.4	24.6	25.8	43.8	44.3	39.9	27.5

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 8A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
USING RECYCLED WATER AT PALO ALTO, CA 1/
2010 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BOREAL	6.7	6.7	7.0	6.7	8.0	7.0	7.0	8.3	8.0	8.0	8.0	7.3	7.4
NAVIGATOR II (MVS-OS-1)	8.0	8.0	8.3	7.7	7.0	6.7	6.7	7.0	6.7	7.0	7.7	7.0	7.3
IS-FRC-35	8.0	7.0	6.7	6.7	7.0	6.7	7.0	6.7	6.7	7.0	8.0	7.3	7.1
IS-FRR-62	7.3	6.7	6.7	6.3	6.7	6.7	7.0	7.0	7.0	7.7	8.0	7.7	7.1
EPIC	8.0	7.3	6.7	6.7	6.3	6.3	6.3	7.3	7.0	7.3	8.0	7.0	7.0
FAIRMONT (TCD)	8.0	7.3	7.0	7.3	6.0	6.0	6.3	6.3	7.0	7.0	8.3	7.3	7.0
INTRIGUE 2	7.7	7.0	7.0	7.0	6.7	6.3	7.0	6.7	6.7	7.0	8.0	7.0	7.0
LACROSSE	8.0	7.7	7.7	7.3	6.7	6.0	6.0	6.7	6.7	7.0	7.3	7.0	7.0
PST-4HES	7.3	7.3	7.0	7.3	6.7	6.3	7.0	6.3	7.0	7.0	7.7	7.0	7.0
CASCADE	8.0	7.3	7.0	7.3	7.0	6.7	6.7	6.3	6.3	6.7	7.3	6.7	6.9
PST-4CSD	7.3	7.0	7.0	7.0	7.7	6.3	6.7	6.7	6.7	6.7	7.3	6.7	6.9
ABERDEEN	7.3	6.3	6.3	6.7	6.7	6.7	7.0	6.3	6.7	7.0	7.3	6.7	6.8
PSG-5RM	8.0	7.0	7.0	6.3	6.3	6.3	6.3	6.7	6.3	6.7	7.7	6.7	6.8
SPARTAN II	7.3	6.7	6.7	6.7	6.0	6.3	6.7	6.7	6.7	7.0	7.7	6.7	6.8
SWORD (NC-HF1)	7.0	6.7	6.7	6.7	6.7	6.3	7.0	6.7	7.0	7.0	7.0	6.5	6.8
BEACON (Z6300)	8.0	7.0	6.0	6.3	5.7	6.0	6.7	7.0	6.3	6.7	7.7	7.3	6.7
GOTHAM	7.3	6.7	7.0	7.0	5.7	6.0	6.7	6.3	6.3	6.7	7.7	6.7	6.7
TREAZURE II	7.0	6.3	6.0	6.7	7.0	6.7	7.0	6.3	6.0	7.0	7.7	7.0	6.7
BIGHORN GT (PST-4BU3)	6.7	6.3	6.3	6.7	7.3	7.0	7.0	6.0	7.0	6.7	6.7	6.0	6.6
IS-FRC-33	7.3	7.0	7.0	7.0	6.3	5.7	5.3	6.0	6.7	7.0	7.3	6.3	6.6
PSG 50C3	7.3	7.0	7.0	6.3	6.7	6.3	6.0	6.3	6.3	6.3	6.7	6.3	6.6
SHADEMASTER III (PST-48Y7)	8.0	6.7	6.3	6.3	6.3	6.0	6.0	6.3	6.3	6.7	7.0	6.7	6.6
ZODIAC	8.0	7.0	7.0	6.7	6.3	6.0	5.3	6.3	6.3	6.7	7.0	6.7	6.6
IS-FRR-51	7.7	7.0	6.3	6.3	6.0	6.0	6.7	6.7	5.7	6.0	7.0	6.3	6.5
RADAR (MVS-FRC-101)	7.7	6.7	6.3	6.0	6.0	5.3	5.3	5.7	5.3	6.0	6.0	6.0	6.0
LSD VALUE	2.5	2.7	3.7	2.6	1.4	1.6	1.6	2.7	3.9	2.8	1.5	2.0	1.8
C.V. (%)	10.3	11.3	15.1	11.6	10.3	9.3	10.9	13.2	16.3	11.9	8.9	10.1	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 8B.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
USING RECYCLED WATER AT PALO ALTO, CA 1/
2010 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
IS-FRC-35	8.0	7.0	6.7	6.7	7.0	6.7	7.0	6.7	6.7	7.0	8.0	7.3	7.1
FAIRMONT (TCD)	8.0	7.3	7.0	7.3	6.0	6.0	6.3	6.3	7.0	7.0	8.3	7.3	7.0
INTRIGUE 2	7.7	7.0	7.0	7.0	6.7	6.3	7.0	6.7	6.7	7.0	8.0	7.0	7.0
LACROSSE	8.0	7.7	7.7	7.3	6.7	6.0	6.0	6.7	6.7	7.0	7.3	7.0	7.0
CASCADE	8.0	7.3	7.0	7.3	7.0	6.7	6.7	6.3	6.3	6.7	7.3	6.7	6.9
PST-4CSD	7.3	7.0	7.0	7.0	7.7	6.3	6.7	6.7	6.7	6.7	7.3	6.7	6.9
TREAZURE II	7.0	6.3	6.0	6.7	7.0	6.7	7.0	6.3	6.0	7.0	7.7	7.0	6.7
IS-FRC-33	7.3	7.0	7.0	7.0	6.3	5.7	5.3	6.0	6.7	7.0	7.3	6.3	6.6
PSG 50C3	7.3	7.0	7.0	6.3	6.7	6.3	6.0	6.3	6.3	6.3	6.7	6.3	6.6
ZODIAC	8.0	7.0	7.0	6.7	6.3	6.0	5.3	6.3	6.3	6.7	7.0	6.7	6.6
RADAR (MVS-FRC-101)	7.7	6.7	6.3	6.0	6.0	5.3	5.3	5.7	5.3	6.0	6.0	6.0	6.0
LSD VALUE	1.7	2.6	3.4	2.5	1.9	2.0	2.1	3.2	4.1	2.8	1.3	1.6	1.9
C.V. (%)	8.3	12.6	16.6	12.9	11.5	12.2	14.7	16.0	20.9	13.6	9.0	9.6	10.0

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 8C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS USING RECYCLED WATER AT PALO ALTO, CA 1/ 2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BOREAL	6.7	6.7	7.0	6.7	8.0	7.0	7.0	8.3	8.0	8.0	8.0	7.3	7.4
NAVIGATOR II (MVS-OS-1)	8.0	8.0	8.3	7.7	7.0	6.7	6.7	7.0	6.7	7.0	7.7	7.0	7.3
IS-FRR-62	7.3	6.7	6.7	6.3	6.7	6.7	7.0	7.0	7.0	7.7	8.0	7.7	7.1
EPIC	8.0	7.3	6.7	6.7	6.3	6.3	6.3	7.3	7.0	7.3	8.0	7.0	7.0
ABERDEEN	7.3	6.3	6.3	6.7	6.7	6.7	7.0	6.3	6.7	7.0	7.3	6.7	6.8
PSG-5RM	8.0	7.0	7.0	6.3	6.3	6.3	6.3	6.7	6.3	6.7	7.7	6.7	6.8
SHADEMASTER III (PST-48Y7)	8.0	6.7	6.3	6.3	6.3	6.0	6.0	6.3	6.3	6.7	7.0	6.7	6.6
IS-FRR-51	7.7	7.0	6.3	6.3	6.0	6.0	6.7	6.7	5.7	6.0	7.0	6.3	6.5
LSD VALUE	1.9	1.7	2.4	1.7	0.7	1.0	1.3	1.5	1.3	1.3	1.8	1.5	0.7
C.V. (%)	10.5	10.7	15.0	10.7	6.0	7.2	8.5	10.1	10.0	9.4	9.8	9.2	4.9

TABLE 8D. MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS USING RECYCLED WATER AT PALO ALTO, CA 1/ 2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PST-4HES	7.3	7.3	7.0	7.3	6.7	6.3	7.0	6.3	7.0	7.0	7.7	7.0	7.0
SPARTAN II	7.3	6.7	6.7	6.7	6.0	6.3	6.7	6.7	6.7	7.0	7.7	6.7	6.8
SWORD (NC-HF1)	7.0	6.7	6.7	6.7	6.7	6.3	7.0	6.7	7.0	7.0	7.0	6.5	6.8
BEACON (Z6300)	8.0	7.0	6.0	6.3	5.7	6.0	6.7	7.0	6.3	6.7	7.7	7.3	6.7
GOTHAM	7.3	6.7	7.0	7.0	5.7	6.0	6.7	6.3	6.3	6.7	7.7	6.7	6.7
BIGHORN GT (PST-4BU3)	6.7	6.3	6.3	6.7	7.3	7.0	7.0	6.0	7.0	6.7	6.7	6.0	6.6
LSD VALUE	2.5	1.8	1.7	1.8	1.8	1.0	1.0	1.6	2.1	1.7	1.2	1.7	1.0
C.V. (%)	14.1	10.7	10.9	10.7	13.2	7.1	6.0	10.5	12.6	9.3	7.0	10.5	6.1

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 9A.

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	CA1	IL1	MD1	MN1	NE1	NJ2	PA1	UT1	VA1	WA3	MEAN
BIGHORN GT (PST-4BU3)	8.0	7.0	8.0	7.7	7.7	6.3	9.0	7.0	5.7	3.0	6.9
RADAR (MVS-FRC-101)	7.0	7.0	7.7	5.3	7.3	7.7	6.3	7.3	6.0	7.3	6.9
GOTHAM	8.3	.	7.3	5.7	7.0	7.3	7.7	7.0	6.3	5.3	6.9
PSG 50C3	6.7	7.0	7.7	5.0	7.3	6.3	6.3	8.3	6.0	7.0	6.8
PSG-5RM	7.3	7.0	7.7	5.0	8.3	7.0	5.7	9.0	6.3	4.3	6.8
LACROSSE	8.0	7.0	6.7	6.0	7.3	7.0	6.3	7.3	6.0	5.7	6.7
SWORD (NC-HF1)	8.3	7.0	7.7	5.3	6.7	6.7	8.3	6.3	5.7	5.3	6.7
NAVIGATOR II (MVS-OS-1)	8.0	7.0	6.7	5.0	7.3	7.3	4.3	8.3	6.7	5.0	6.6
CASCADE	8.3	7.0	7.0	5.7	6.7	7.3	7.7	6.0	5.3	4.3	6.5
FAIRMONT (TCD)	7.0	7.0	7.7	5.3	6.7	6.7	5.0	7.0	6.3	6.7	6.5
PST-4HES	7.7	.	7.0	5.0	7.0	6.3	7.3	6.0	6.3	6.0	6.5
SHADEMASTER III (PST-48Y7)	7.7	7.0	7.0	4.7	7.7	6.7	4.7	8.0	6.7	5.0	6.5
ZODIAC	7.0	7.0	7.0	6.0	6.3	6.7	6.3	7.0	6.3	5.0	6.5
IS-FRR-51	6.3	7.0	7.0	4.7	7.3	6.3	4.7	9.0	6.7	5.3	6.4
SPARTAN II	6.7	7.0	7.7	5.0	6.7	6.0	7.7	5.7	6.0	5.7	6.4
ABERDEEN	8.3	6.7	6.7	4.7	7.0	7.0	5.3	7.3	5.7	4.7	6.3
IS-FRC-33	7.3	6.7	5.7	4.7	6.7	7.0	5.3	6.7	6.3	5.7	6.2
BEACON (Z6300)	7.7	.	7.0	3.7	7.0	6.3	6.0	6.3	6.0	5.7	6.2
PST-4CSD	8.0	7.0	7.0	6.7	6.7	6.7	5.7	5.0	5.0	3.7	6.1
IS-FRR-62	7.3	7.0	5.3	4.3	6.3	6.7	4.7	8.0	6.7	5.0	6.1
EPIC	6.3	6.7	5.7	4.3	6.3	7.3	4.7	8.0	5.3	5.3	6.0
INTRIGUE 2	7.3	7.0	6.3	4.7	6.3	6.7	4.3	5.0	5.7	5.7	5.9
IS-FRC-35	7.3	7.0	5.7	4.3	6.3	6.7	4.7	5.7	5.3	4.7	5.8
TREAZURE II	7.3	7.0	5.0	4.0	6.3	6.7	4.7	4.7	5.7	5.3	5.7
BOREAL	8.3	7.0	4.3	3.0	6.0	6.3	6.0	4.0	4.7	3.0	5.3
LSD VALUE	1.8	0.5	0.7	1.2	0.9	1.5	1.1	1.2	1.0	1.5	0.4
C.V. (%)	14.8	3.4	6.9	14.5	8.0	13.4	11.2	11.3	10.8	17.5	11.7

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 9B.

GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	CA1	IL1	MD1	MN1	NE1	NJ2	PA1	UT1	VA1	WA3	MEAN
RADAR (MVS-FRC-101)	7.0	7.0	7.7	5.3	7.3	7.7	6.3	7.3	6.0	7.3	6.9
PSG 50C3	6.7	7.0	7.7	5.0	7.3	6.3	6.3	8.3	6.0	7.0	6.8
LACROSSE	8.0	7.0	6.7	6.0	7.3	7.0	6.3	7.3	6.0	5.7	6.7
CASCADE	8.3	7.0	7.0	5.7	6.7	7.3	7.7	6.0	5.3	4.3	6.5
FAIRMONT (TCD)	7.0	7.0	7.7	5.3	6.7	6.7	5.0	7.0	6.3	6.7	6.5
ZODIAC	7.0	7.0	7.0	6.0	6.3	6.7	6.3	7.0	6.3	5.0	6.5
IS-FRC-33	7.3	6.7	5.7	4.7	6.7	7.0	5.3	6.7	6.3	5.7	6.2
PST-4CSD	8.0	7.0	7.0	6.7	6.7	6.7	5.7	5.0	5.0	3.7	6.1
INTRIGUE 2	7.3	7.0	6.3	4.7	6.3	6.7	4.3	5.0	5.7	5.7	5.9
IS-FRC-35	7.3	7.0	5.7	4.3	6.3	6.7	4.7	5.7	5.3	4.7	5.8
TREAZURE II	7.3	7.0	5.0	4.0	6.3	6.7	4.7	4.7	5.7	5.3	5.7
LSD VALUE	1.8	0.3	0.7	1.2	0.9	1.4	1.2	1.4	1.0	1.3	0.4
C.V. (%)	15.3	2.6	6.9	14.5	8.6	12.5	13.3	13.4	10.8	14.4	11.7

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 9C.

GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
	CA1	IL1	MD1	MN1	NE1	NJ2	PA1	UT1	VA1	WA3	MEAN
PSG-5RM	7.3	7.0	7.7	5.0	8.3	7.0	5.7	9.0	6.3	4.3	6.8
NAVIGATOR II (MVS-OS-1)	8.0	7.0	6.7	5.0	7.3	7.3	4.3	8.3	6.7	5.0	6.6
SHADEMASTER III (PST-48Y7)	7.7	7.0	7.0	4.7	7.7	6.7	4.7	8.0	6.7	5.0	6.5
IS-FRR-51	6.3	7.0	7.0	4.7	7.3	6.3	4.7	9.0	6.7	5.3	6.4
ABERDEEN	8.3	6.7	6.7	4.7	7.0	7.0	5.3	7.3	5.7	4.7	6.3
IS-FRR-62	7.3	7.0	5.3	4.3	6.3	6.7	4.7	8.0	6.7	5.0	6.1
EPIC	6.3	6.7	5.7	4.3	6.3	7.3	4.7	8.0	5.3	5.3	6.0
BOREAL	8.3	7.0	4.3	3.0	6.0	6.3	6.0	4.0	4.7	3.0	5.3
LSD VALUE	1.8	0.6	0.8	1.4	1.0	1.5	1.0	0.9	1.2	1.4	0.4
C.V. (%)	15.2	4.5	7.9	18.9	8.7	13.7	12.9	7.5	12.6	18.9	12.2

TABLE 9D.

GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
	CA1	IL1	MD1	MN1	NE1	NJ2	PA1	UT1	VA1	WA3	MEAN
BIGHORN GT (PST-4BU3)	8.0	7	8.0	7.7	7.7	6.3	9.0	7.0	5.7	3.0	6.9
GOTHAM	8.3	.	7.3	5.7	7.0	7.3	7.7	7.0	6.3	5.3	6.9
SWORD (NC-HF1)	8.3	7	7.7	5.3	6.7	6.7	8.3	6.3	5.7	5.3	6.7
PST-4HES	7.7	.	7.0	5.0	7.0	6.3	7.3	6.0	6.3	6.0	6.5
SPARTAN II	6.7	7	7.7	5.0	6.7	6.0	7.7	5.7	6.0	5.7	6.4
BEACON (Z6300)	7.7	.	7.0	3.7	7.0	6.3	6.0	6.3	6.0	5.7	6.2
LSD VALUE	1.7	.	0.7	0.8	0.7	1.6	0.8	1.3	0.8	1.8	0.4
C.V. (%)	13.6	.	5.5	8.7	5.8	15.0	6.1	12.8	7.9	21.4	11.2

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 10A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	IL1	MN1	NE1	NY1	PA1	RI1	UT1	MEAN
SPARTAN II	5.7	7.0	5.7	3.0	7.3	9.0	6.3	6.3
BEACON (Z6300)	5.7	7.0	6.3	2.0	7.3	9.0	6.3	6.2
PST-4HES	5.3	7.0	6.7	3.7	7.7	7.7	5.0	6.1
GOTHAM	5.7	7.3	5.7	3.0	8.0	8.0	4.7	6.0
BIGHORN GT (PST-4BU3)	6.0	7.3	6.0	3.0	6.7	8.3	4.0	5.9
NAVIGATOR II (MVS-OS-1)	4.0	5.0	7.0	5.0	6.7	7.7	6.0	5.9
CASCADE	3.3	6.7	7.0	5.0	6.3	7.3	5.7	5.9
ABERDEEN	5.3	3.3	6.7	5.0	6.0	8.3	6.3	5.9
SWORD (NC-HF1)	6.0	7.3	5.0	3.0	6.3	8.3	5.0	5.9
LACROSSE	4.3	6.0	6.3	5.3	5.3	7.3	6.0	5.8
ZODIAC	4.0	7.0	6.7	4.7	6.7	6.7	4.7	5.8
PST-4CSD	4.7	6.3	6.3	4.3	6.3	7.0	4.7	5.7
FAIRMONT (TCD)	3.7	6.7	6.0	4.3	6.0	7.0	5.7	5.6
INTRIGUE 2	4.3	6.7	6.0	4.7	5.7	6.7	5.0	5.6
IS-FRC-33	3.3	6.0	6.3	5.7	5.0	8.0	4.7	5.6
IS-FRC-35	3.7	7.0	6.7	4.0	6.0	7.3	4.0	5.5
PSG 50C3	3.7	5.7	5.7	4.7	5.3	9.0	4.7	5.5
BOREAL	5.0	4.3	5.3	4.3	6.0	8.7	4.7	5.5
IS-FRR-51	4.3	4.0	6.3	4.7	5.3	8.0	5.7	5.5
RADAR (MVS-FRC-101)	3.7	6.0	6.3	4.3	5.3	7.3	5.0	5.4
TREAZURE II	3.7	5.7	6.0	4.7	5.3	7.7	5.0	5.4
IS-FRR-62	4.3	4.3	5.7	4.0	6.3	6.0	6.3	5.3
PSG-5RM	4.3	4.0	6.3	5.3	5.0	5.7	4.7	5.0
EPIC	4.0	4.3	5.7	5.0	4.7	5.0	5.3	4.9
SHADEMASTER III (PST-48Y7)	3.7	4.3	5.7	4.7	5.7	6.3	3.7	4.9
LSD VALUE	1.0	1.2	1.1	1.4	1.5	1.6	2.1	0.5
C.V. (%)	14.4	12.6	10.8	19.6	15.4	13.1	25.2	15.9

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. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	IL1	MN1	NE1	NY1	PA1	RI1	UT1	MEAN
CASCADE	3.3	6.7	7.0	5.0	6.3	7.3	5.7	5.9
LACROSSE	4.3	6.0	6.3	5.3	5.3	7.3	6.0	5.8
ZODIAC	4.0	7.0	6.7	4.7	6.7	6.7	4.7	5.8
PST-4CSD	4.7	6.3	6.3	4.3	6.3	7.0	4.7	5.7
FAIRMONT (TCD)	3.7	6.7	6.0	4.3	6.0	7.0	5.7	5.6
INTRIGUE 2	4.3	6.7	6.0	4.7	5.7	6.7	5.0	5.6
IS-FRC-33	3.3	6.0	6.3	5.7	5.0	8.0	4.7	5.6
IS-FRC-35	3.7	7.0	6.7	4.0	6.0	7.3	4.0	5.5
PSG 50C3	3.7	5.7	5.7	4.7	5.3	9.0	4.7	5.5
RADAR (MVS-FRC-101)	3.7	6.0	6.3	4.3	5.3	7.3	5.0	5.4
TREAZURE II	3.7	5.7	6.0	4.7	5.3	7.7	5.0	5.4
LSD VALUE	1.2	1.3	1.1	1.1	1.7	1.5	1.5	0.5
C.V. (%)	19.7	12.6	11.0	14.4	17.9	12.5	18.1	14.9

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 10C. SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	IL1	MN1	NE1	NY1	PA1	RI1	UT1	MEAN
NAVIGATOR II (MVS-OS-1)	4.0	5.0	7.0	5.0	6.7	7.7	6.0	5.9
ABERDEEN	5.3	3.3	6.7	5.0	6.0	8.3	6.3	5.9
BOREAL	5.0	4.3	5.3	4.3	6.0	8.7	4.7	5.5
IS-FRR-51	4.3	4.0	6.3	4.7	5.3	8.0	5.7	5.5
IS-FRR-62	4.3	4.3	5.7	4.0	6.3	6.0	6.3	5.3
PSG-5RM	4.3	4.0	6.3	5.3	5.0	5.7	4.7	5.0
EPIC	4.0	4.3	5.7	5.0	4.7	5.0	5.3	4.9
SHADEMASTER III (PST-48Y7)	3.7	4.3	5.7	4.7	5.7	6.3	3.7	4.9
LSD VALUE	0.7	1.4	0.9	1.9	1.7	1.9	2.7	0.6
C.V. (%)	10.4	20.0	8.9	25.1	18.2	16.6	32.0	19.9

TABLE 10D. SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	IL1	MN1	NE1	NY1	PA1	RI1	UT1	MEAN
SPARTAN II	5.7	7.0	5.7	3.0	7.3	9.0	6.3	6.3
BEACON (Z6300)	5.7	7.0	6.3	2.0	7.3	9.0	6.3	6.2
PST-4HES	5.3	7.0	6.7	3.7	7.7	7.7	5.0	6.1
GOTHAM	5.7	7.3	5.7	3.0	8.0	8.0	4.7	6.0
BIGHORN GT (PST-4BU3)	6.0	7.3	6.0	3.0	6.7	8.3	4.0	5.9
SWORD (NC-HF1)	6.0	7.3	5.0	3.0	6.3	8.3	5.0	5.9
LSD VALUE	1.0	0.7	1.2	0.8	0.8	1.3	2.1	0.5
C.V. (%)	10.9	5.7	12.7	16.0	7.3	9.7	24.7	12.3

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 11A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
IS-FRC-33	7.7	9.0	8.3
INTRIGUE 2	6.7	8.3	7.5
IS-FRC-35	6.0	9.0	7.5
LACROSSE	7.3	7.3	7.3
PSG 50C3	7.3	7.0	7.2
FAIRMONT (TCD)	5.3	8.7	7.0
TREAZURE II	5.7	8.3	7.0
ZODIAC	7.0	7.0	7.0
CASCADE	7.7	5.7	6.7
RADAR (MVS-FRC-101)	5.3	8.0	6.7
PST-4CSD	7.7	5.3	6.5
PSG-5RM	7.7	5.0	6.3
BIGHORN GT (PST-4BU3)	7.3	5.0	6.2
IS-FRR-62	7.0	5.0	6.0
SHADEMASTER III (PST-48Y7)	8.0	3.7	5.8
EPIC	6.7	4.3	5.5
BEACON (Z6300)	3.0	7.7	5.3
IS-FRR-51	7.7	3.0	5.3
SPARTAN II	3.0	7.3	5.2
ABERDEEN	5.3	4.3	4.8
NAVIGATOR II (MVS-OS-1)	5.7	3.7	4.7
PST-4HES	3.0	6.3	4.7
SWORD (NC-HF1)	3.0	6.3	4.7
GOTHAM	2.7	6.3	4.5
BOREAL	5.7	1.7	3.7
LSD VALUE	3.6	1.7	2.0
C.V. (%)	37.5	17.7	29.1

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 11B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
IS-FRC-33	7.7	9.0	8.3
INTRIGUE 2	6.7	8.3	7.5
IS-FRC-35	6.0	9.0	7.5
LACROSSE	7.3	7.3	7.3
PSG 50C3	7.3	7.0	7.2
FAIRMONT (TCD)	5.3	8.7	7.0
TREAZURE II	5.7	8.3	7.0
ZODIAC	7.0	7.0	7.0
CASCADE	7.7	5.7	6.7
RADAR (MVS-FRC-101)	5.3	8.0	6.7
PST-4CSD	7.7	5.3	6.5
LSD VALUE	3.1	1.7	1.8
C.V. (%)	29.2	13.7	21.9

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 11C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NE1	RI1	MEAN
PSG-5RM	7.7	5.0	6.3
IS-FRR-62	7.0	5.0	6.0
SHADEMASTER III (PST-48Y7)	8.0	3.7	5.8
EPIC	6.7	4.3	5.5
IS-FRR-51	7.7	3.0	5.3
ABERDEEN	5.3	4.3	4.8
NAVIGATOR II (MVS-OS-1)	5.7	3.7	4.7
BOREAL	5.7	1.7	3.7
LSD VALUE	3.0	1.6	1.7
C.V. (%)	27.4	25.5	27.9

TABLE 11D. SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NE1	RI1	MEAN
BIGHORN GT (PST-4BU3)	7.3	5.0	6.2
BEACON (Z6300)	3.0	7.7	5.3
SPARTAN II	3.0	7.3	5.2
PST-4HES	3.0	6.3	4.7
SWORD (NC-HF1)	3.0	6.3	4.7
GOTHAM	2.7	6.3	4.5
LSD VALUE	4.9	2.0	2.7
C.V. (%)	83.8	19.5	46.3

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 12A. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
INTRIGUE 2	7.7	9.0	8.3
PSG 50C3	8.3	8.0	8.2
PSG-5RM	8.7	7.7	8.2
IS-FRC-33	7.7	8.3	8.0
ZODIAC	7.7	7.3	7.5
FAIRMONT (TCD)	6.0	8.7	7.3
IS-FRC-35	6.0	8.7	7.3
LACROSSE	7.3	7.3	7.3
CASCADE	8.0	6.3	7.2
PST-4CSD	8.0	6.3	7.2
TREAZURE II	5.3	9.0	7.2
IS-FRR-62	7.7	5.7	6.7
BIGHORN GT (PST-4BU3)	8.0	5.3	6.7
RADAR (MVS-FRC-101)	5.0	7.7	6.3
SHADEMASTER III (PST-48Y7)	8.3	4.3	6.3
IS-FRR-51	8.3	3.3	5.8
BEACON (Z6300)	3.0	7.7	5.3
PST-4HES	3.3	7.0	5.2
EPIC	7.3	3.0	5.2
NAVIGATOR II (MVS-OS-1)	5.3	4.7	5.0
BOREAL	6.7	3.0	4.8
SPARTAN II	3.3	5.7	4.5
ABERDEEN	5.7	3.0	4.3
SWORD (NC-HF1)	3.0	5.7	4.3
GOTHAM	3.0	4.3	3.7
LSD VALUE	4.2	1.6	2.2
C.V. (%)	41.0	16.2	31.3

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 12B. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
INTRIGUE 2	7.7	9.0	8.3
PSG 50C3	8.3	8.0	8.2
IS-FRC-33	7.7	8.3	8.0
ZODIAC	7.7	7.3	7.5
FAIRMONT (TCD)	6.0	8.7	7.3
IS-FRC-35	6.0	8.7	7.3
LACROSSE	7.3	7.3	7.3
CASCADE	8.0	6.3	7.2
PST-4CSD	8.0	6.3	7.2
TREAZURE II	5.3	9.0	7.2
RADAR (MVS-FRC-101)	5.0	7.7	6.3
LSD VALUE	3.9	1.2	2.1
C.V. (%)	35.0	9.1	24.3

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 12C. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
PSG-5RM	8.7	7.7	8.2
IS-FRR-62	7.7	5.7	6.7
SHADEMASTER III (PST-48Y7)	8.3	4.3	6.3
IS-FRR-51	8.3	3.3	5.8
EPIC	7.3	3.0	5.2
NAVIGATOR II (MVS-OS-1)	5.3	4.7	5.0
BOREAL	6.7	3.0	4.8
ABERDEEN	5.7	3.0	4.3
LSD VALUE	3.3	1.8	1.9
C.V. (%)	28.3	25.4	28.4

TABLE 12D. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1	RI1	MEAN
BIGHORN GT (PST-4BU3)	8.0	5.3	6.7
BEACON (Z6300)	3.0	7.7	5.3
PST-4HES	3.3	7.0	5.2
SPARTAN II	3.3	5.7	4.5
SWORD (NC-HF1)	3.0	5.7	4.3
GOTHAM	3.0	4.3	3.7
LSD VALUE	5.5	2.1	2.9
C.V. (%)	86.4	22.4	52.3

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 13A. FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1
CASCADE	8.7
PSG 50C3	8.3
PSG-5RM	8.3
SHADEMASTER III (PST-48Y7)	8.3
ZODIAC	8.3
BIGHORN GT (PST-4BU3)	8.0
IS-FRC-33	8.0
IS-FRR-51	8.0
IS-FRR-62	8.0
PST-4CSD	8.0
EPIC	7.7
INTRIGUE 2	7.7
LACROSSE	7.3
BOREAL	6.3
ABERDEEN	6.0
IS-FRC-35	5.7
NAVIGATOR II (MVS-OS-1)	5.7
FAIRMONT (TCD)	5.3
TREAZURE II	5.3
RADAR (MVS-FRC-101)	5.0
PST-4HES	3.3
SPARTAN II	3.3
SWORD (NC-HF1)	3.0
BEACON (Z6300)	2.7
GOTHAM	2.7
LSD VALUE	4.1
C.V. (%)	40.0

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 13B. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1
CASCADE	8.7
PSG 50C3	8.3
ZODIAC	8.3
IS-FRC-33	8.0
PST-4CSD	8.0
INTRIGUE 2	7.7
LACROSSE	7.3
IS-FRC-35	5.7
FAIRMONT (TCD)	5.3
TREAZURE II	5.3
RADAR (MVS-FRC-101)	5.0
LSD VALUE	3.8
C.V. (%)	33.3

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 13C. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1
PSG-5RM	8.3
SHADEMASTER III (PST-48Y7)	8.3
IS-FRR-51	8.0
IS-FRR-62	8.0
EPIC	7.7
BOREAL	6.3
ABERDEEN	6.0
NAVIGATOR II (MVS-OS-1)	5.7
LSD VALUE	3.6
C.V. (%)	30.5

TABLE 13D. FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NE1
BIGHORN GT (PST-4BU3)	8.0
PST-4HES	3.3
SPARTAN II	3.3
SWORD (NC-HF1)	3.0
BEACON (Z6300)	2.7
GOTHAM	2.7
LSD VALUE	5.1
C.V. (%)	83.4

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 14A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MN1
BEACON (Z6300)	96.3
FAIRMONT (TCD)	96.3
PSG 50C3	96.3
TREAZURE II	96.3
ZODIAC	96.3
EPIC	95.0
GOTHAM	95.0
INTRIGUE 2	95.0
IS-FRR-51	95.0
IS-FRR-62	95.0
NAVIGATOR II (MVS-OS-1)	95.0
PSG-5RM	95.0
SHADEMASTER III (PST-48Y7)	95.0
SPARTAN II	95.0
SWORD (NC-HF1)	95.0
RADAR (MVS-FRC-101)	94.7
ABERDEEN	93.3
BIGHORN GT (PST-4BU3)	93.3
CASCADE	93.3
LACROSSE	93.3
PST-4HES	93.3
IS-FRC-33	91.7
IS-FRC-35	90.0
BOREAL	88.3
PST-4CSD	76.7
LSD VALUE	6.1
C.V. (%)	4.1

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 14B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MN1
FAIRMONT (TCD)	96.3
PSG 50C3	96.3
TREAZURE II	96.3
ZODIAC	96.3
INTRIGUE 2	95.0
RADAR (MVS-FRC-101)	94.7
CASCADE	93.3
LACROSSE	93.3
IS-FRC-33	91.7
IS-FRC-35	90.0
PST-4CSD	76.7
LSD VALUE	8.7
C.V. (%)	5.9

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 14C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MN1
EPIC	95.0
IS-FRR-51	95.0
IS-FRR-62	95.0
NAVIGATOR II (MVS-0S-1)	95.0
PSG-5RM	95.0
SHADEMASTER III (PST-48Y7)	95.0
ABERDEEN	93.3
BOREAL	88.3
LSD VALUE	2.3
C.V. (%)	1.5

TABLE 14D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MN1
BEACON (Z6300)	96.3
GOTHAM	95.0
SPARTAN II	95.0
SWORD (NC-HF1)	95.0
BIGHORN GT (PST-4BU3)	93.3
PST-4HES	93.3
LSD VALUE	3.1
C.V. (%)	2.0

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 15A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MN1	RI1	WA3	MEAN
IS-FRC-33	99.0	97.7	99.0	98.6
IS-FRC-35	96.3	97.7	99.0	97.7
RADAR (MVS-FRC-101)	97.7	96.0	99.0	97.6
TREAZURE II	97.7	95.0	99.0	97.2
BEACON (Z6300)	96.3	96.0	99.0	97.1
ZODIAC	96.3	96.0	99.0	97.1
FAIRMONT (TCD)	97.7	94.3	99.0	97.0
PSG 50C3	96.3	93.3	99.0	96.2
INTRIGUE 2	97.7	91.7	99.0	96.1
LACROSSE	96.3	93.0	99.0	96.1
PSG-5RM	96.3	91.7	99.0	95.7
SWORD (NC-HF1)	95.0	88.3	99.0	94.1
CASCADE	96.3	85.0	99.0	93.4
PST-4HES	97.7	80.0	99.0	92.2
GOTHAM	95.0	81.7	99.0	91.9
PST-4CSD	93.0	83.3	97.7	91.3
SPARTAN II	95.0	78.3	99.0	90.8
SHADEMASTER III (PST-48Y7)	95.0	78.0	97.7	90.2
IS-FRR-62	91.7	76.3	99.0	89.0
EPIC	95.0	69.7	99.0	87.9
IS-FRR-51	95.0	65.0	99.0	86.3
BIGHORN GT (PST-4BU3)	93.3	65.0	97.7	85.3
NAVIGATOR II (MVS-OS-1)	95.0	61.3	99.0	85.1
ABERDEEN	91.7	58.3	99.0	83.0
BOREAL	90.0	25.0	93.3	69.4
LSD VALUE	3.8	27.1	1.6	9.1
C.V. (%)	2.5	20.7	1.0	10.7

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 15B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MN1	RI1	WA3	MEAN
IS-FRC-33	99.0	97.7	99.0	98.6
IS-FRC-35	96.3	97.7	99.0	97.7
RADAR (MVS-FRC-101)	97.7	96.0	99.0	97.6
TREAZURE II	97.7	95.0	99.0	97.2
ZODIAC	96.3	96.0	99.0	97.1
FAIRMONT (TCD)	97.7	94.3	99.0	97.0
PSG 50C3	96.3	93.3	99.0	96.2
INTRIGUE 2	97.7	91.7	99.0	96.1
LACROSSE	96.3	93.0	99.0	96.1
CASCADE	96.3	85.0	99.0	93.4
PST-4CSD	93.0	83.3	97.7	91.3
LSD VALUE	4.8	9.2	1.1	3.5
C.V. (%)	3.1	6.1	0.7	3.9

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 15C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MN1	RI1	WA3	MEAN
PSG-5RM	96.3	91.7	99.0	95.7
SHADEMASTER III (PST-48Y7)	95.0	78.0	97.7	90.2
IS-FRR-62	91.7	76.3	99.0	89.0
EPIC	95.0	69.7	99.0	87.9
IS-FRR-51	95.0	65.0	99.0	86.3
NAVIGATOR II (MVS-OS-1)	95.0	61.3	99.0	85.1
ABERDEEN	91.7	58.3	99.0	83.0
BOREAL	90.0	25.0	93.3	69.4
LSD VALUE	2.7	39.6	2.1	13.3
C.V. (%)	1.8	37.5	1.3	16.6

TABLE 15D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	MN1	RI1	WA3	MEAN
BEACON (Z6300)	96.3	96.0	99.0	97.1
SWORD (NC-HF1)	95.0	88.3	99.0	94.1
PST-4HES	97.7	80.0	99.0	92.2
GOTHAM	95.0	81.7	99.0	91.9
SPARTAN II	95.0	78.3	99.0	90.8
BIGHORN GT (PST-4BU3)	93.3	65.0	97.7	85.3
LSD VALUE	2.9	28.4	1.5	9.5
C.V. (%)	1.9	21.7	1.0	11.2

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 16A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						
NAME	CA1	IL1	MN1	NJ2	RI1	MEAN
INTRIGUE 2	92.7	76.7	96.3	82.7	97.7	89.2
ZODIAC	93.0	66.7	99.0	80.0	96.0	86.9
TREAZURE II	96.0	61.7	96.3	83.3	94.7	86.4
IS-FRC-35	96.0	48.3	99.0	90.0	96.0	85.9
FAIRMONT (TCD)	99.0	63.3	99.0	66.7	94.3	84.5
PSG 50C3	86.0	65.0	96.3	81.7	93.0	84.4
RADAR (MVS-FRC-101)	99.0	46.7	99.0	68.3	97.7	82.1
PSG-5RM	99.0	45.0	94.7	81.7	86.7	81.4
IS-FRC-33	73.3	55.0	96.3	83.3	97.7	81.1
IS-FRR-62	83.0	58.3	94.7	81.0	84.7	80.3
LACROSSE	86.0	35.0	96.3	76.7	97.7	78.3
PST-4CSD	86.0	43.3	91.7	73.3	88.3	76.5
CASCADE	99.0	36.7	93.3	73.3	76.7	75.8
SHADEMASTER III (PST-48Y7)	99.0	41.7	96.3	55.0	79.7	74.3
NAVIGATOR II (MVS-OS-1)	86.3	50.0	97.7	71.7	63.0	73.7
SWORD (NC-HF1)	96.0	10.0	95.0	75.0	90.0	73.2
BEACON (Z6300)	92.7	6.7	96.3	73.3	94.3	72.7
PST-4HES	96.0	10.0	95.0	76.7	83.3	72.2
GOTHAM	99.0	6.7	95.0	68.3	83.3	70.5
IS-FRR-51	96.0	33.3	91.7	60.0	70.0	70.2
ABERDEEN	99.0	38.3	93.3	63.3	56.7	70.1
EPIC	92.7	31.7	93.3	61.7	60.0	67.9
SPARTAN II	86.3	6.7	97.7	68.3	78.3	67.5
BIGHORN GT (PST-4BU3)	83.0	11.7	94.7	63.3	78.3	66.2
BOREAL	86.0	15.0	91.7	78.3	18.3	57.9
LSD VALUE	19.2	25.7	4.1	23.5	21.2	9.1
C.V. (%)	13.0	41.5	2.6	19.9	16.0	16.5

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 16B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	CA1	IL1	MN1	NJ2	RI1	MEAN
INTRIGUE 2	92.7	76.7	96.3	82.7	97.7	89.2
ZODIAC	93.0	66.7	99.0	80.0	96.0	86.9
TREAZURE II	96.0	61.7	96.3	83.3	94.7	86.4
IS-FRC-35	96.0	48.3	99.0	90.0	96.0	85.9
FAIRMONT (TCD)	99.0	63.3	99.0	66.7	94.3	84.5
PSG 50C3	86.0	65.0	96.3	81.7	93.0	84.4
RADAR (MVS-FRC-101)	99.0	46.7	99.0	68.3	97.7	82.1
IS-FRC-33	73.3	55.0	96.3	83.3	97.7	81.1
LACROSSE	86.0	35.0	96.3	76.7	97.7	78.3
PST-4CSD	86.0	43.3	91.7	73.3	88.3	76.5
CASCADE	99.0	36.7	93.3	73.3	76.7	75.8
LSD VALUE	21.4	26.5	3.2	17.4	13.3	8.1
C.V. (%)	14.6	30.3	2.1	13.9	8.8	13.7

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 16C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						
NAME	CA1	IL1	MN1	NJ2	RI1	MEAN
PSG-5RM	99.0	45.0	94.7	81.7	86.7	81.4
IS-FRR-62	83.0	58.3	94.7	81.0	84.7	80.3
SHADEMASTER III (PST-48Y7)	99.0	41.7	96.3	55.0	79.7	74.3
NAVIGATOR II (MVS-0S-1)	86.3	50.0	97.7	71.7	63.0	73.7
IS-FRR-51	96.0	33.3	91.7	60.0	70.0	70.2
ABERDEEN	99.0	38.3	93.3	63.3	56.7	70.1
EPIC	92.7	31.7	93.3	61.7	60.0	67.9
BOREAL	86.0	15.0	91.7	78.3	18.3	57.9
LSD VALUE	18.8	31.9	5.2	31.8	28.4	11.3
C.V. (%)	12.6	50.6	3.5	28.7	27.2	21.9

TABLE 16D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						
NAME	CA1	IL1	MN1	NJ2	RI1	MEAN
SWORD (NC-HF1)	96.0	10.0	95.0	75.0	90.0	73.2
BEACON (Z6300)	92.7	6.7	96.3	73.3	94.3	72.7
PST-4HES	96.0	10.0	95.0	76.7	83.3	72.2
GOTHAM	99.0	6.7	95.0	68.3	83.3	70.5
SPARTAN II	86.3	6.7	97.7	68.3	78.3	67.5
BIGHORN GT (PST-4BU3)	83.0	11.7	94.7	63.3	78.3	66.2
LSD VALUE	14.9	10.6	3.7	19.9	21.8	7.0
C.V. (%)	10.0	76.2	2.4	17.4	16.0	13.8

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 17A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
BEACON (Z6300)	6.0
GOTHAM	6.0
PST-4HES	6.0
SPARTAN II	6.0
SWORD (NC-HF1)	6.0
BIGHORN GT (PST-4BU3)	5.7
RADAR (MVS-FRC-101)	4.7
FAIRMONT (TCD)	4.3
INTRIGUE 2	4.3
IS-FRC-35	4.3
LACROSSE	4.3
PSG 50C3	4.3
TREAZURE II	4.3
ZODIAC	4.3
EPIC	4.0
IS-FRC-33	4.0
IS-FRR-62	4.0
PST-4CSD	4.0
IS-FRR-51	3.7
PSG-5RM	3.7
ABERDEEN	3.3
CASCADE	3.3
NAVIGATOR II (MVS-OS-1)	3.3
SHADEMASTER III (PST-48Y7)	3.3
BOREAL	3.0
LSD VALUE	0.8
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 17B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
RADAR (MVS-FRC-101)	4.7
FAIRMONT (TCD)	4.3
INTRIGUE 2	4.3
IS-FRC-35	4.3
LACROSSE	4.3
PSG 50C3	4.3
TREAZURE II	4.3
ZODIAC	4.3
IS-FRC-33	4.0
PST-4CSD	4.0
CASCADE	3.3
LSD VALUE	1.0
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 17C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
EPIC	4.0
IS-FRR-62	4.0
IS-FRR-51	3.7
PSG-5RM	3.7
ABERDEEN	3.3
NAVIGATOR II (MVS-OS-1)	3.3
SHADEMASTER III (PST-48Y7)	3.3
BOREAL	3.0
LSD VALUE	0.7
C.V. (%)	12.9

TABLE 17D. WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
BEACON (Z6300)	6.0
GOTHAM	6.0
PST-4HES	6.0
SPARTAN II	6.0
SWORD (NC-HF1)	6.0
BIGHORN GT (PST-4BU3)	5.7
LSD VALUE	0.4
C.V. (%)	4.0

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 18A. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2	RI1	MEAN
TREAZURE II	8.3	9.0	8.7
INTRIGUE 2	8.7	8.7	8.7
IS-FRC-33	8.7	8.7	8.7
PSG-5RM	9.0	7.7	8.3
ZODIAC	8.7	7.7	8.2
SWORD (NC-HF1)	8.0	7.0	7.5
LACROSSE	6.0	8.7	7.3
PSG 50C3	8.7	6.0	7.3
FAIRMONT (TCD)	7.7	6.7	7.2
SPARTAN II	7.7	5.7	6.7
BIGHORN GT (PST-4BU3)	5.0	7.7	6.3
NAVIGATOR II (MVS-OS-1)	5.7	7.0	6.3
PST-4CSD	9.0	3.7	6.3
GOTHAM	7.0	5.0	6.0
IS-FRC-35	9.0	3.0	6.0
RADAR (MVS-FRC-101)	7.7	4.3	6.0
PST-4HES	7.7	3.0	5.3
CASCADE	8.7	2.0	5.3
BEACON (Z6300)	7.3	3.0	5.2
SHADEMASTER III (PST-48Y7)	7.3	3.0	5.2
IS-FRR-62	3.7	5.7	4.7
BOREAL	5.3	1.7	3.5
IS-FRR-51	3.0	3.7	3.3
EPIC	1.7	4.3	3.0
ABERDEEN	2.3	2.3	2.3
LSD VALUE	1.7	2.6	1.6
C.V. (%)	15.6	29.9	22.3

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 18B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2	RI1	MEAN
TREAZURE II	8.3	9.0	8.7
INTRIGUE 2	8.7	8.7	8.7
IS-FRC-33	8.7	8.7	8.7
ZODIAC	8.7	7.7	8.2
LACROSSE	6.0	8.7	7.3
PSG 50C3	8.7	6.0	7.3
FAIRMONT (TCD)	7.7	6.7	7.2
PST-4CSD	9.0	3.7	6.3
IS-FRC-35	9.0	3.0	6.0
RADAR (MVS-FRC-101)	7.7	4.3	6.0
CASCADE	8.7	2.0	5.3
LSD VALUE	1.2	1.9	1.1
C.V. (%)	8.7	19.0	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 18C. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/			
NAME	NJ2	RI1	MEAN
PSG-5RM	9.0	7.7	8.3
NAVIGATOR II (MVS-OS-1)	5.7	7.0	6.3
SHADEMASTER III (PST-48Y7)	7.3	3.0	5.2
IS-FRR-62	3.7	5.7	4.7
BOREAL	5.3	1.7	3.5
IS-FRR-51	3.0	3.7	3.3
EPIC	1.7	4.3	3.0
ABERDEEN	2.3	2.3	2.3
LSD VALUE	2.2	3.7	2.2
C.V. (%)	28.8	52.5	41.5

TABLE 18D. DOLLAR SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/			
NAME	NJ2	RI1	MEAN
SWORD (NC-HF1)	8.0	7.0	7.5
SPARTAN II	7.7	5.7	6.7
BIGHORN GT (PST-4BU3)	5.0	7.7	6.3
GOTHAM	7.0	5.0	6.0
PST-4HES	7.7	3.0	5.3
BEACON (Z6300)	7.3	3.0	5.2
LSD VALUE	1.9	1.7	1.3
C.V. (%)	16.2	20.2	17.9

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 19A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/				
NAME	PA1	RI1	MEAN	
GOTHAM	8.7	7.3	8.0	
PST-4HES	8.7	7.3	8.0	
SHADEMASTER III (PST-48Y7)	7.7	8.0	7.8	
IS-FRR-51	7.0	8.7	7.8	
RADAR (MVS-FRC-101)	8.7	6.3	7.5	
BIGHORN GT (PST-4BU3)	9.0	5.7	7.3	
PSG-5RM	7.7	7.0	7.3	
IS-FRR-62	8.3	6.0	7.2	
BOREAL	5.3	9.0	7.2	
IS-FRC-33	9.0	5.3	7.2	
PSG 50C3	9.0	5.3	7.2	
LACROSSE	9.0	5.0	7.0	
SPARTAN II	8.7	4.7	6.7	
ABERDEEN	4.7	8.3	6.5	
INTRIGUE 2	8.3	4.7	6.5	
NAVIGATOR II (MVS-OS-1)	7.0	6.0	6.5	
FAIRMONT (TCD)	8.3	4.3	6.3	
BEACON (Z6300)	9.0	3.3	6.2	
EPIC	5.7	6.7	6.2	
SWORD (NC-HF1)	8.3	4.0	6.2	
TREAZURE II	9.0	2.7	5.8	
ZODIAC	8.7	3.0	5.8	
PST-4CSD	9.0	2.3	5.7	
IS-FRC-35	8.7	2.3	5.5	
CASCADE	8.0	1.0	4.5	
LSD VALUE	1.3	3.5	1.9	
C.V. (%)	10.2	40.1	24.3	

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 19B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1	RI1	MEAN
RADAR (MVS-FRC-101)	8.7	6.3	7.5
IS-FRC-33	9.0	5.3	7.2
PSG 50C3	9.0	5.3	7.2
LACROSSE	9.0	5.0	7.0
INTRIGUE 2	8.3	4.7	6.5
FAIRMONT (TCD)	8.3	4.3	6.3
TREAZURE II	9.0	2.7	5.8
ZODIAC	8.7	3.0	5.8
PST-4CSD	9.0	2.3	5.7
IS-FRC-35	8.7	2.3	5.5
CASCADE	8.0	1.0	4.5
LSD VALUE	0.9	3.4	1.8
C.V. (%)	6.6	55.2	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 19C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1	RI1	MEAN
SHADEMASTER III (PST-48Y7)	7.7	8.0	7.8
IS-FRR-51	7.0	8.7	7.8
PSG-5RM	7.7	7.0	7.3
IS-FRR-62	8.3	6.0	7.2
BOREAL	5.3	9.0	7.2
ABERDEEN	4.7	8.3	6.5
NAVIGATOR II (MVS-OS-1)	7.0	6.0	6.5
EPIC	5.7	6.7	6.2
LSD VALUE	2.0	3.9	2.2
C.V. (%)	18.4	32.5	27.2

TABLE 19D. RED THREAD RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	PA1	RI1	MEAN
GOTHAM	8.7	7.3	8.0
PST-4HES	8.7	7.3	8.0
BIGHORN GT (PST-4BU3)	9.0	5.7	7.3
SPARTAN II	8.7	4.7	6.7
BEACON (Z6300)	9.0	3.3	6.2
SWORD (NC-HF1)	8.3	4.0	6.2
LSD VALUE	0.8	2.9	1.5
C.V. (%)	5.4	33.6	18.7

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 20A. PYTHIUM BLIGHT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	PA1
SPARTAN II	9.0
BIGHORN GT (PST-4BU3)	8.7
GOTHAM	8.7
BOREAL	8.0
EPIC	8.0
PST-4HES	8.0
SWORD (NC-HF1)	8.0
BEACON (Z6300)	7.7
NAVIGATOR II (MVS-OS-1)	7.7
SHADEMASTER III (PST-48Y7)	7.7
ABERDEEN	7.3
INTRIGUE 2	7.3
IS-FRR-51	7.0
IS-FRR-62	7.0
PSG-5RM	7.0
TREAZURE II	7.0
LACROSSE	6.3
PST-4CSD	6.0
FAIRMONT (TCD)	5.0
RADAR (MVS-FRC-101)	5.0
CASCADE	4.7
IS-FRC-35	4.7
IS-FRC-33	4.0
PSG 50C3	4.0
ZODIAC	4.0
LSD VALUE	3.4
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 20B. PYTHIUM BLIGHT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	PA1
INTRIGUE 2	7.3
TREAZURE II	7.0
LACROSSE	6.3
PST-4CSD	6.0
FAIRMONT (TCD)	5.0
RADAR (MVS-FRC-101)	5.0
CASCADE	4.7
IS-FRC-35	4.7
IS-FRC-33	4.0
PSG 50C3	4.0
ZODIAC	4.0
LSD VALUE	4.2
C.V. (%)	50.0

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 20C. PYTHIUM BLIGHT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	PA1
BOREAL	8.0
EPIC	8.0
NAVIGATOR II (MVS-OS-1)	7.7
SHADEMASTER III (PST-48Y7)	7.7
ABERDEEN	7.3
IS-FRR-51	7.0
IS-FRR-62	7.0
PSG-5RM	7.0
LSD VALUE	3.2
C.V. (%)	26.4

TABLE 20D. PYTHIUM BLIGHT RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	PA1
SPARTAN II	9.0
BIGHORN GT (PST-4BU3)	8.7
GOTHAM	8.7
PST-4HES	8.0
SWORD (NC-HF1)	8.0
BEACON (Z6300)	7.7
LSD VALUE	1.6
C.V. (%)	12.0

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. PINK PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2
GOTHAM	7.0
PSG-5RM	6.7
BEACON (Z6300)	6.3
RADAR (MVS-FRC-101)	6.3
SHADEMASTER III (PST-48Y7)	6.3
BIGHORN GT (PST-4BU3)	6.0
BOREAL	6.0
EPIC	6.0
IS-FRC-35	6.0
SPARTAN II	6.0
ZODIAC	6.0
FAIRMONT (TCD)	5.7
NAVIGATOR II (MVS-0S-1)	5.7
PSG 50C3	5.7
SWORD (NC-HF1)	5.7
ABERDEEN	5.3
INTRIGUE 2	5.3
IS-FRR-62	5.3
PST-4HES	5.3
CASCADE	5.0
IS-FRC-33	5.0
IS-FRR-51	5.0
PST-4CSD	4.7
LACROSSE	4.0
TREAZURE II	4.0
LSD VALUE	2.5
C.V. (%)	27.7

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. PINK PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2
RADAR (MVS-FRC-101)	6.3
IS-FRC-35	6.0
ZODIAC	6.0
FAIRMONT (TCD)	5.7
PSG 50C3	5.7
INTRIGUE 2	5.3
CASCADE	5.0
IS-FRC-33	5.0
PST-4CSD	4.7
LACROSSE	4.0
TREAZURE II	4.0
LSD VALUE	2.2
C.V. (%)	26.1

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 21C. PINK PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2
PSG-5RM	6.7
SHADEMASTER III (PST-48Y7)	6.3
BOREAL	6.0
EPIC	6.0
NAVIGATOR II (MVS-0S-1)	5.7
ABERDEEN	5.3
IS-FRR-62	5.3
IS-FRR-51	5.0
LSD VALUE	2.5
C.V. (%)	26.4

TABLE 21D. PINK PATCH RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	NJ2
GOTHAM	7.0
BEACON (Z6300)	6.3
BIGHORN GT (PST-4BU3)	6.0
SPARTAN II	6.0
SWORD (NC-HF1)	5.7
PST-4HES	5.3
LSD VALUE	3.0
C.V. (%)	30.9

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 22A. FALL COLOR (NOVEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
SWORD (NC-HF1)	6.3
GOTHAM	5.7
IS-FRR-62	5.7
PST-4HES	5.7
BEACON (Z6300)	5.3
INTRIGUE 2	5.3
IS-FRC-33	5.3
IS-FRC-35	5.3
PSG-5RM	5.3
IS-FRR-51	5.0
NAVIGATOR II (MVS-OS-1)	5.0
PSG 50C3	5.0
SPARTAN II	5.0
TREAZURE II	5.0
EPIC	4.7
FAIRMONT (TCD)	4.7
ZODIAC	4.7
LACROSSE	4.3
PST-4CSD	4.3
RADAR (MVS-FRC-101)	4.3
SHADEMASTER III (PST-48Y7)	4.3
ABERDEEN	4.0
CASCADE	4.0
BIGHORN GT (PST-4BU3)	3.7
BOREAL	3.7
LSD VALUE	1.3
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 22B. FALL COLOR (NOVEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
INTRIGUE 2	5.3
IS-FRC-33	5.3
IS-FRC-35	5.3
PSG 50C3	5.0
TREAZURE II	5.0
FAIRMONT (TCD)	4.7
ZODIAC	4.7
LACROSSE	4.3
PST-4CSD	4.3
RADAR (MVS-FRC-101)	4.3
CASCADE	4.0
LSD VALUE	1.3
C.V. (%)	16.4

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 22C. FALL COLOR (NOVEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
IS-FRR-62	5.7
PSG-5RM	5.3
IS-FRR-51	5.0
NAVIGATOR II (MVS-OS-1)	5.0
EPIC	4.7
SHADEMASTER III (PST-48Y7)	4.3
ABERDEEN	4.0
BOREAL	3.7
LSD VALUE	1.2
C.V. (%)	16.2

TABLE 22D. FALL COLOR (NOVEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
SWORD (NC-HF1)	6.3
GOTHAM	5.7
PST-4HES	5.7
BEACON (Z6300)	5.3
SPARTAN II	5.0
BIGHORN GT (PST-4BU3)	3.7
LSD VALUE	1.6
C.V. (%)	18.4

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 23A. FALL COLOR (DECEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
SPARTAN II	5.7
BEACON (Z6300)	5.3
GOTHAM	5.3
INTRIGUE 2	5.3
IS-FRR-62	5.3
PST-4HES	5.3
SWORD (NC-HF1)	5.3
IS-FRC-35	5.0
NAVIGATOR II (MVS-OS-1)	5.0
PSG-5RM	5.0
RADAR (MVS-FRC-101)	5.0
ZODIAC	5.0
BIGHORN GT (PST-4BU3)	4.7
EPIC	4.7
IS-FRC-33	4.7
LACROSSE	4.7
PSG 50C3	4.7
TREAZURE II	4.7
ABERDEEN	4.3
CASCADE	4.3
FAIRMONT (TCD)	4.3
IS-FRR-51	4.3
SHADEMASTER III (PST-48Y7)	4.3
PST-4CSD	4.0
BOREAL	3.0
LSD VALUE	0.8
C.V. (%)	10.3

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 23B. FALL COLOR (DECEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
INTRIGUE 2	5.3
IS-FRC-35	5.0
RADAR (MVS-FRC-101)	5.0
ZODIAC	5.0
IS-FRC-33	4.7
LACROSSE	4.7
PSG 50C3	4.7
TREAZURE II	4.7
CASCADE	4.3
FAIRMONT (TCD)	4.3
PST-4CSD	4.0
LSD VALUE	0.7
C.V. (%)	9.8

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 23C. FALL COLOR (DECEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
IS-FRR-62	5.3
NAVIGATOR II (MVS-0S-1)	5.0
PSG-5RM	5.0
EPIC	4.7
ABERDEEN	4.3
IS-FRR-51	4.3
SHADEMASTER III (PST-48Y7)	4.3
BOREAL	3.0
LSD VALUE	0.7
C.V. (%)	10.1

TABLE 23D. FALL COLOR (DECEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

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

NAME	WA3
SPARTAN II	5.7
BEACON (Z6300)	5.3
GOTHAM	5.3
PST-4HES	5.3
SWORD (NC-HF1)	5.3
BIGHORN GT (PST-4BU3)	4.7
LSD VALUE	0.9
C.V. (%)	10.9

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. SUMMER STRESS RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2010 DATA

SUMMER STRESS RATINGS 1-9; 1=BROWN, 9=DARK GREEN 2/

NAME	MD1
GOTHAM	7.0
SWORD (NC-HF1)	7.0
BEACON (Z6300)	6.3
PST-4HES	6.3
SPARTAN II	6.3
BIGHORN GT (PST-4BU3)	6.0
FAIRMONT (TCD)	5.0
IS-FRR-62	5.0
NAVIGATOR II (MVS-OS-1)	5.0
PSG 50C3	5.0
SHADEMASTER III (PST-48Y7)	5.0
BOREAL	4.7
CASCADE	4.7
IS-FRC-33	4.7
PSG-5RM	4.7
PST-4CSD	4.7
IS-FRR-51	4.3
LACROSSE	4.3
ABERDEEN	4.0
EPIC	4.0
INTRIGUE 2	4.0
IS-FRC-35	4.0
RADAR (MVS-FRC-101)	4.0
TREAZURE II	4.0
ZODIAC	4.0
LSD VALUE	0.9
C.V. (%)	11.6

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. SUMMER STRESS RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2010 DATA

SUMMER STRESS RATINGS 1-9; 1=BROWN, 9=DARK GREEN 2/

NAME	MD1
FAIRMONT (TCD)	5.0
PSG 50C3	5.0
CASCADE	4.7
IS-FRC-33	4.7
PST-4CSD	4.7
LACROSSE	4.3
INTRIGUE 2	4.0
IS-FRC-35	4.0
RADAR (MVS-FRC-101)	4.0
TREAZURE II	4.0
ZODIAC	4.0
LSD VALUE	0.9
C.V. (%)	12.5

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 24C. SUMMER STRESS RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2010 DATA

SUMMER STRESS RATINGS 1-9; 1=BROWN, 9=DARK GREEN 2/

NAME	MD1
IS-FRR-62	5.0
NAVIGATOR II (MVS-0S-1)	5.0
SHADEMASTER III (PST-48Y7)	5.0
BOREAL	4.7
PSG-5RM	4.7
IS-FRR-51	4.3
ABERDEEN	4.0
EPIC	4.0
LSD VALUE	1.0
C.V. (%)	13.4

TABLE 24D. SUMMER STRESS RATINGS OF HARD FESCUE CULTIVARS 1/
2010 DATA

SUMMER STRESS RATINGS 1-9; 1=BROWN, 9=DARK GREEN 2/

NAME	MD1
GOTHAM	7.0
SWORD (NC-HF1)	7.0
BEACON (Z6300)	6.3
PST-4HES	6.3
SPARTAN II	6.3
BIGHORN GT (PST-4BU3)	6.0
LSD VALUE	0.9
C.V. (%)	8.9

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 25A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS
AT PUYALLUP, WA 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JAN	JUN	SEP	MEAN
SPARTAN II	8.0	9.0	6.0	7.7
GOTHAM	8.3	9.0	5.3	7.6
SWORD (NC-HF1)	8.0	9.0	5.7	7.6
BEACON (Z6300)	7.7	9.0	5.3	7.3
PST-4HES	7.7	9.0	5.3	7.3
BIGHORN GT (PST-4BU3)	8.0	9.0	4.3	7.1
TREAZURE II	7.7	9.0	4.0	6.9
FAIRMONT (TCD)	7.3	9.0	3.7	6.7
IS-FRC-33	6.7	9.0	4.3	6.7
PSG 50C3	7.0	9.0	4.0	6.7
INTRIGUE 2	6.7	9.0	4.0	6.6
IS-FRC-35	6.7	9.0	4.0	6.6
LACROSSE	6.7	9.0	4.0	6.6
NAVIGATOR II (MVS-OS-1)	6.3	9.0	4.3	6.6
RADAR (MVS-FRC-101)	7.0	9.0	3.3	6.4
ZODIAC	6.7	9.0	3.7	6.4
EPIC	6.7	9.0	3.0	6.2
IS-FRR-51	6.0	8.7	4.0	6.2
IS-FRR-62	5.7	9.0	4.0	6.2
PST-4CSD	6.3	8.7	3.7	6.2
CASCADE	6.7	8.3	3.3	6.1
SHADEMASTER III (PST-48Y7)	6.0	8.0	4.3	6.1
PSG-5RM	5.3	8.7	4.0	6.0
ABERDEEN	5.0	8.0	3.7	5.6
BOREAL	5.7	7.3	3.3	5.4
LSD VALUE	1.4	0.5	1.2	0.6
C.V. (%)	11.6	3.8	16.1	6.0

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 25B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS
 AT PUYALLUP, WA 1/
 2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JAN	JUN	SEP	MEAN
TREAZURE II	7.7	9.0	4.0	6.9
FAIRMONT (TCD)	7.3	9.0	3.7	6.7
IS-FRC-33	6.7	9.0	4.3	6.7
PSG 50C3	7.0	9.0	4.0	6.7
INTRIGUE 2	6.7	9.0	4.0	6.6
IS-FRC-35	6.7	9.0	4.0	6.6
LACROSSE	6.7	9.0	4.0	6.6
RADAR (MVS-FRC-101)	7.0	9.0	3.3	6.4
ZODIAC	6.7	9.0	3.7	6.4
PST-4CSD	6.3	8.7	3.7	6.2
CASCADE	6.7	8.3	3.3	6.1
LSD VALUE	1.8	0.5	1.7	1.0
C.V. (%)	10.0	2.7	16.4	5.8

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 25C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT PUYALLUP, WA 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JAN	JUN	SEP	MEAN
NAVIGATOR II (MVS-OS-1)	6.3	9.0	4.3	6.6
EPIC	6.7	9.0	3.0	6.2
IS-FRR-51	6.0	8.7	4.0	6.2
IS-FRR-62	5.7	9.0	4.0	6.2
SHADEMASTER III (PST-48Y7)	6.0	8.0	4.3	6.1
PSG-5RM	5.3	8.7	4.0	6.0
ABERDEEN	5.0	8.0	3.7	5.6
BOREAL	5.7	7.3	3.3	5.4
LSD VALUE	1.1	0.9	2.2	0.9
C.V. (%)	9.2	5.8	22.7	7.0

TABLE 25D. RED THREAD RATINGS OF HARD FESCUE CULTIVARS
AT PUYALLUP, WA 1/
2010 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JAN	JUN	SEP	MEAN
SPARTAN II	8.0	9	6.0	7.7
GOTHAM	8.3	9	5.3	7.6
SWORD (NC-HF1)	8.0	9	5.7	7.6
BEACON (Z6300)	7.7	9	5.3	7.3
PST-4HES	7.7	9	5.3	7.3
BIGHORN GT (PST-4BU3)	8.0	9	4.3	7.1
LSD VALUE	2.4	0	1.0	0.9
C.V. (%)	11.6	0	9.1	4.9

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.