

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.

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Mr. Bill Dunn, Seed Research of Oregon, Inc.
Mr. Paul Hedgpeth, Columbia River Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
Dr. Doug Karcher, University of Arkansas
Dr. David Kopec, University of Arizona
Mr. Warren Bell, Biograss Sod Farms
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
Dr. Ken Diesburg, Southern Illinois University
Mr. Steve Reid, DLF International Seeds
Dr. Scott Ebdon, University of Massachusetts

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 005, Room 307
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

CONTENTS

2008 National Fineleaf Fescue Test - 2013 data

LOCATIONS SUBMITTING DATA FOR 20131

NATIONAL FINELEAF FESCUE TEST, 2008 - Entries and Sponsors.....2

Table A - 2013 Locations, Site Descriptions and Management
Practices in the 2008 National Fineleaf Fescue Test.....3

Table B - Locations and Data Collected in 2013.....4

Table 1A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars Grown
in Location Performance Index (LPI) Group 1.....5

Table 1B - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars Grown
in Location Performance Index (LPI) Group 1.....6

Table 1C - Mean Turfgrass Quality Ratings of Strong Creeping Red Fescue
Cultivars Grown in Location Performance Index (LPI) Group 1.....7

Table 1D - Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars Grown in Location Performance Index (LPI) Group 1.....7

Table 2A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars Grown
in Location Performance Index (LPI) Group 2.....8

Table 2B - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars Grown
in Location Performance Index (LPI) Group 2.....9

Table 2C - Mean Turfgrass Quality Ratings of Strong Creeping Red Fescue
Cultivars Grown in Location Performance Index (LPI) Group 2.....10

Table 2D - Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars Grown in Location Performance Index (LPI) Group 2.....10

Table 3A - Mean Turfgrass Quality and Other Ratings of Fineleaf Fescue Cultivars
Grown under Shade at Carbondale, IL.....11

Table 3B - Mean Turfgrass Quality and Other Ratings of Chewings Fescue Cultivars
Grown under Shade at Carbondale, IL.....12

Table 3C - Mean Turfgrass Quality and Other Ratings of Strong Creeping Red Fescue
Cultivars Grown under Shade at Carbondale, IL.....13

Table 3D - Mean Turfgrass Quality and Other Ratings of Hard Fescue
Cultivars Grown under Shade at Carbondale, IL.....13

Table 4A - Mean Turfgrass Quality Ratings of Fineleaf Fescue Cultivars Grown
Under Non-mowing at Palo Alto, CA.....14

Table 4B - Mean Turfgrass Quality Ratings of Chewings Fescue Cultivars Grown
Under Non-mowing at Palo Alto, CA.....15

CONTENTS (continued)

Table 4C - Mean Turfgrass Quality Ratings of Strong Creeping Red Fescue
Cultivars Grown Under Non-mowing at Palo Alto, CA.....16

Table 4D - Mean Turfgrass Quality Ratings of Hard Fescue
Cultivars Grown Under Non-mowing at Palo Alto, CA.....16

Table 5A - Genetic Color Ratings of Fineleaf Fescue Cultivars.....17

Table 5B - Genetic Color Ratings of Chewings Fescue Cultivars.....18

Table 5C - Genetic Color Ratings of Strong Creeping Red Fescue Cultivars.....19

Table 5D - Genetic Color Ratings of Hard Fescue Cultivars.....19

Table 6A - Spring Greenup Ratings of Fineleaf Fescue Cultivars.....20

Table 6B - Spring Greenup Ratings of Chewings Fescue Cultivars.....21

Table 6C - Spring Greenup Ratings of Strong Creeping Red Fescue Cultivars.....22

Table 6D - Spring Greenup Ratings of Hard Fescue Cultivars.....22

Table 7A - Spring Density Ratings of Fineleaf Fescue Cultivars.....23

Table 7B - Spring Density Ratings of Chewings Fescue Cultivars.....24

Table 7C - Spring Density Ratings of Strong Creeping Red Fescue Cultivars.....25

Table 7D - Spring Density Ratings of Hard Fescue Cultivars.....25

Table 8A - Percent Living Ground Cover (Spring) Ratings of
Fineleaf Fescue Cultivars.....26

Table 8B - Percent Living Ground Cover (Spring) Ratings of
Chewings Fescue Cultivars.....27

Table 8C - Percent Living Ground Cover (Spring) Ratings of
Strong Creeping Red Fescue Cultivars.....28

Table 8D - Percent Living Ground Cover (Spring) Ratings of
Hard Fescue Cultivars.....28

Table 9A - Percent Living Ground Cover (Summer) Ratings of
Fineleaf Fescue Cultivars.....29

Table 9B - Percent Living Ground Cover (Summer) Ratings of
Chewings Fescue Cultivars.....30

Table 9C - Percent Living Ground Cover (Summer) Ratings of
Strong Creeping Red Fescue Cultivars.....31

Table 9D - Percent Living Ground Cover (Summer) Ratings of
Hard Fescue Cultivars.....31

CONTENTS (continued)

Table 10A- Percent Living Ground Cover (Fall) Ratings of
Fineleaf Fescue Cultivars.....32

Table 10B- Percent Living Ground Cover (Fall) Ratings of
Chewings Fescue Cultivars.....33

Table 10C- Percent Living Ground Cover (Fall) Ratings of
Strong Creeping Red Fescue Cultivars.....34

Table 10D- Percent Living Ground Cover (Fall) Ratings of
Hard Fescue Cultivars.....34

Table 11A- Winter Color Ratings of Fineleaf Fescue Cultivars.....35

Table 11B- Winter Color Ratings of Chewings Fescue Cultivars.....36

Table 11C- Winter Color Ratings of Strong Creeping Red Fescue Cultivars.....37

Table 11D- Winter Color Ratings of Hard Fescue Cultivars.....37

Table 12A- Drought Tolerance (Dormancy) Ratings of Fineleaf Fescue Cultivars.....38

Table 12B- Drought Tolerance (Dormancy) Ratings of Chewings Fescue Cultivars.....39

Table 12C- Drought Tolerance (Dormancy) Ratings of
Strong Creeping Red Fescue Cultivars.....40

Table 12D- Drought Tolerance (Dormancy) Ratings of Hard Fescue Cultivars.....40

Table 13A- Dollar Spot Ratings of Fineleaf Fescue Cultivars.....41

Table 13B- Dollar Spot Ratings of Chewings Fescue Cultivars.....42

Table 13C- Dollar Spot Ratings of Strong Creeping Red Fescue Cultivars.....43

Table 13D- Dollar Spot Ratings of Hard Fescue Cultivars.....43

Table 14A- Red Thread Ratings of Fineleaf Fescue Cultivars.....44

Table 14B- Red Thread Ratings of Chewings Fescue Cultivars.....45

Table 14C- Red Thread Ratings of Strong Creeping Red Fescue Cultivars.....46

Table 14D- Red Thread Ratings of Hard Fescue Cultivars.....46

Table 15A- Fall Color (December) Ratings of Fineleaf Fescue Cultivars.....47

Table 15B- Fall Color (December) Ratings of Chewings Fescue Cultivars.....48

Table 15C- Fall Color (December) Ratings of Strong Creeping Red Fescue Cultivars....49

Table 15D- Fall Color (December) Ratings of Hard Fescue Cultivars.....49

CONTENTS (continued)

Table 16A- Poa Annua Ratings of Fineleaf Fescue Cultivars.....50

Table 16B- Poa Annua Ratings of Chewings Fescue Cultivars.....51

Table 16C- Poa Annua Ratings of Strong Creeping Red Fescue Cultivars.....52

Table 16D- Poa Annua Ratings of Hard Fescue Cultivars.....52

Table 17A- Drought Stress Ratings of Fineleaf Fescue Cultivars.....53

Table 17B- Drought Stress Ratings of Chewings Fescue Cultivars.....54

Table 17C- Drought Stress Ratings of Strong Creeping Red Fescue Cultivars.....55

Table 17D- Drought Stress Ratings of Hard Fescue Cultivars.....55

Table 18A- Percent Annual Grass Ratings of Fineleaf Fescue Cultivars.....56

Table 18B- Percent Annual Grass Ratings of Chewings Fescue Cultivars.....57

Table 18C- Percent Annual Grass Ratings of Strong Creeping Red Fescue Cultivars.....58

Table 18D- Percent Annual Grass Ratings of Hard Fescue Cultivars.....58

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 2013

<u>State</u>	<u>Location</u>	<u>Code</u>
California	Palo Alto (Non-Mowed)	CA8
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Maryland	College Park	MD1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup	WA3

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	Rosecity (IS-FRR-51)	strong creeping red	DLF International Seeds
16	Chantilly (IS-FRR-62)	strong creeping red	DLF International Seeds
* 17	Wrigley 2 (IS-FRC-35)	chewings	DLF International Seeds
* 18	Longfellow 3 (IS-FRC-33)	Chewings	DLF International Seeds
* 19	Cascade	chewings	Standard entry
* 20	Aberdeen	strong creeping red	Brett-Young Seeds
21	Shadow III (PST-4CSD)	chewings	Silverton Seed
22	PST-4HES	hard	Pure-Seed Testing
* 23	Bighorn GT (ST-4BU3)	blue hard	Pure Seed
* 24	Shademaster III (PST-48Y7)	strong creeping red	The Scotts Company
25	PSG-5RM	strong creeping red	Pickseed West
* COMMERCIALY AVAILABLE IN THE USA IN 2014.			

TABLE A.

2013 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
CA8	LOAM	6.6-7.0	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	61-150	151-240	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
NE1	SILTY CLAY AND CLAY	6.6-7.0	0-60	501+	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	151-240	0.0-1.0	FULL SUN	1.1-1.5	TO PREVENT 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	SILT LOAM AND SILT	-	-	-	1.1-2.0	FULL SUN	1.6-2.0	NO IRRIGATION
UT1	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	5.6-6.0	0-60	0-150	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
WA3	SAND	4.6-5.5	61-150	151-240	1.1-2.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2013

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
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
MD1					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	X
PA1					X	X	X	X	X	X				X
RI1					X	X	X	X	X	X	X		X	X
UT1				X	X	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	X		X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2013

LOCATION	SPRING DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	DOLLAR SPOT	RED THREAD	FALL COLOR DECEMBER	POA ANNUA	DROUGHT STRESS	PERCENT ANNUAL GRASS
CA8												
IL1			X									
IL2		X	X									
MD1	X							X			X	X
NE1			X									
NJ2				X			X	X				
PA1												
RI1		X	X			X		X		X		
UT1			X									
VA1		X										
WA3					X			X	X			

TABLE 1A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2013 DATA

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

NAME	PA1	NJ1	RI1	VA1	IL1	NE1	MEAN
* RADAR (MVS-FRC-101)	6.4	5.5	7.7	5.9	5.4	4.2	5.8
* FAIRMONT (TCD)	6.3	5.4	7.5	5.9	5.8	4.2	5.8
* LONGFELLOW 3 (IS-FRC-33)	5.9	5.4	7.7	6.0	5.4	4.2	5.8
PSG 50C3	6.4	5.3	7.7	5.7	5.4	4.1	5.8
PSG-5RM	6.0	5.1	7.4	5.6	5.7	4.1	5.6
* INTRIGUE 2	5.9	5.3	7.0	5.8	5.1	4.2	5.6
* ZODIAC	5.3	5.3	7.4	6.0	5.1	4.2	5.5
CHANTILLY (IS-FRR-62)	5.7	5.0	6.4	5.8	5.7	4.3	5.5
* TREAZURE II	5.0	5.3	7.6	5.9	4.8	4.0	5.4
* WRIGLEY 2 (IS-FRC-35)	5.9	5.1	7.1	5.5	4.7	4.0	5.4
* NAVIGATOR II (MVS-OS-1)	5.6	5.0	6.2	5.8	5.3	4.2	5.4
ROSECITY (IS-FRR-51)	5.1	4.5	5.3	5.5	5.7	4.3	5.0
* LACROSSE	3.9	4.6	7.5	5.4	4.6	3.5	4.9
* BEACON (Z6300)	5.9	5.4	6.5	5.5	2.3	4.1	4.9
* SHADEMASTER III (PST-48Y7)	5.3	4.5	4.5	5.5	5.4	4.2	4.9
SHADOW III (PST-4CSD)	5.0	4.8	5.3	5.7	4.6	3.7	4.8
* SPARTAN II	4.2	5.2	7.1	5.6	2.1	4.1	4.7
* SWORD (NC-HF1)	3.6	4.9	7.4	5.4	2.8	4.0	4.7
* CASCADE	3.2	4.6	5.4	5.9	4.9	3.9	4.7
PST-4HES	4.9	5.0	5.6	5.5	2.5	4.0	4.6
* GOTHAM	4.9	4.6	5.7	4.9	2.2	3.9	4.4
* EPIC	3.8	3.8	3.7	5.1	4.9	3.9	4.2
* ABERDEEN	2.9	3.7	4.2	5.1	4.8	3.8	4.1
* BIGHORN GT (PST-4BU3)	3.2	4.4	5.0	5.3	2.5	3.9	4.0
* BOREAL	2.8	3.7	2.2	5.5	4.3	3.7	3.7
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	11.7	11.8	9.2	10.2	12.8	14.2	11.4

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2014

**/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_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 IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2013 DATA

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

NAME	PA1	NJ1	RI1	VA1	IL1	NE1	MEAN
RADAR (MVS-FRC-101)	6.4	5.5	7.7	5.9	5.4	4.2	5.8
FAIRMONT (TCD)	6.3	5.4	7.5	5.9	5.8	4.2	5.8
LONGFELLOW 3 (IS-FRC-33)	5.9	5.4	7.7	6.0	5.4	4.2	5.8
PSG 50C3	6.4	5.3	7.7	5.7	5.4	4.1	5.8
INTRIGUE 2	5.9	5.3	7.0	5.8	5.1	4.2	5.6
ZODIAC	5.3	5.3	7.4	6.0	5.1	4.2	5.5
TREAZURE II	5.0	5.3	7.6	5.9	4.8	4.0	5.4
WRIGLEY 2 (IS-FRC-35)	5.9	5.1	7.1	5.5	4.7	4.0	5.4
LACROSSE	3.9	4.6	7.5	5.4	4.6	3.5	4.9
SHADOW III (PST-4CSD)	5.0	4.8	5.3	5.7	4.6	3.7	4.8
CASCADE	3.2	4.6	5.4	5.9	4.9	3.9	4.7
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	10.7	11.2	8.1	9.9	11.3	14.3	10.6

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_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 IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2013 DATA

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

NAME	PA1	NJ1	RI1	VA1	IL1	NE1	MEAN
PSG-5RM	6.0	5.1	7.4	5.6	5.7	4.1	5.6
CHANTILLY (IS-FRR-62)	5.7	5.0	6.4	5.8	5.7	4.3	5.5
NAVIGATOR II (MVS-0S-1)	5.6	5.0	6.2	5.8	5.3	4.2	5.4
ROSECITY (IS-FRR-51)	5.1	4.5	5.3	5.5	5.7	4.3	5.0
SHADEMASTER III (PST-48Y7)	5.3	4.5	4.5	5.5	5.4	4.2	4.9
EPIC	3.8	3.8	3.7	5.1	4.9	3.9	4.2
ABERDEEN	2.9	3.7	4.2	5.1	4.8	3.8	4.1
BOREAL	2.8	3.7	2.2	5.5	4.3	3.7	3.7
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	12.3	13.0	11.5	10.4	10.9	14.2	11.9

TABLE 1D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2013 DATA

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

NAME	PA1	NJ1	RI1	VA1	IL1	NE1	MEAN
BEACON (Z6300)	5.9	5.4	6.5	5.5	2.3	4.1	4.9
SWORD (NC-HF1)	3.6	4.9	7.4	5.4	2.8	4.0	4.7
SPARTAN II	4.2	5.2	7.1	5.6	2.1	4.1	4.7
PST-4HES	4.9	5.0	5.6	5.5	2.5	4.0	4.6
GOTHAM	4.9	4.6	5.7	4.9	2.2	3.9	4.4
BIGHORN GT (PST-4BU3)	3.2	4.4	5.0	5.3	2.5	3.9	4.0
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	12.9	11.6	9.2	10.7	24.1	14.3	12.6

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

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

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

TABLE 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2013 DATA

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

NAME	MD1	UT1	WA3	MEAN
SPARTAN II	7.0	6.5	5.6	6.4
BEACON (Z6300)	6.9	6.3	5.5	6.3
SWORD (NC-HF1)	6.0	7.1	5.3	6.1
GOTHAM	6.1	6.9	5.2	6.1
PST-4HES	6.2	6.1	5.4	5.9
BIGHORN GT (PST-4BU3)	5.4	6.2	5.2	5.6
INTRIGUE 2	3.8	6.6	4.9	5.1
WRIGLEY 2 (IS-FRC-35)	3.9	6.6	4.7	5.0
ZODIAC	3.8	6.3	4.9	5.0
PSG 50C3	3.5	6.8	4.7	5.0
RADAR (MVS-FRC-101)	3.6	6.5	4.8	4.9
LONGFELLOW 3 (IS-FRC-33)	3.6	6.4	4.8	4.9
TREAZURE II	3.9	6.1	4.8	4.9
NAVIGATOR II (MVS-OS-1)	3.2	6.5	4.7	4.8
FAIRMONT (TCD)	3.2	6.5	4.7	4.8
CHANTILLY (IS-FRR-62)	2.8	6.7	4.7	4.8
PSG-5RM	2.9	6.8	4.5	4.7
ROSECITY (IS-FRR-51)	2.4	7.1	4.6	4.7
LACROSSE	3.1	6.2	4.2	4.5
SHADEMASTER III (PST-48Y7)	2.5	6.3	4.5	4.5
CASCADE	2.8	5.4	4.6	4.3
EPIC	2.0	6.4	4.3	4.2
ABERDEEN	1.9	6.4	4.2	4.2
SHADOW III (PST-4CSD)	3.0	4.9	4.4	4.1
BOREAL	2.1	4.5	4.3	3.6
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	14.9	9.1	12.0	11.5

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

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

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

TABLE 2B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2013 DATA

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

NAME	MD1	UT1	WA3	MEAN
INTRIGUE 2	3.8	6.6	4.9	5.1
WRIGLEY 2 (IS-FRC-35)	3.9	6.6	4.7	5.0
ZODIAC	3.8	6.3	4.9	5.0
PSG 50C3	3.5	6.8	4.7	5.0
RADAR (MVS-FRC-101)	3.6	6.5	4.8	4.9
LONGFELLOW 3 (IS-FRC-33)	3.6	6.4	4.8	4.9
TREAZURE II	3.9	6.1	4.8	4.9
FAIRMONT (TCD)	3.2	6.5	4.7	4.8
LACROSSE	3.1	6.2	4.2	4.5
CASCADE	2.8	5.4	4.6	4.3
SHADOW III (PST-4CSD)	3.0	4.9	4.4	4.1
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	16.5	9.2	12.3	12.0

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_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 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2013 DATA

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

NAME	MD1	UT1	WA3	MEAN
NAVIGATOR II (MVS-0S-1)	3.2	6.5	4.7	4.8
CHANTILLY (IS-FRR-62)	2.8	6.7	4.7	4.8
PSG-5RM	2.9	6.8	4.5	4.7
ROSECITY (IS-FRR-51)	2.4	7.1	4.6	4.7
SHADEMASTER III (PST-48Y7)	2.5	6.3	4.5	4.5
EPIC	2.0	6.4	4.3	4.2
ABERDEEN	1.9	6.4	4.2	4.2
BOREAL	2.1	4.5	4.3	3.6
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	22.9	9.0	12.8	12.9

TABLE 2D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2013 DATA

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

NAME	MD1	UT1	WA3	MEAN
SPARTAN II	7.0	6.5	5.6	6.4
BEACON (Z6300)	6.9	6.3	5.5	6.3
SWORD (NC-HF1)	6.0	7.1	5.3	6.1
GOTHAM	6.1	6.9	5.2	6.1
PST-4HES	6.2	6.1	5.4	5.9
BIGHORN GT (PST-4BU3)	5.4	6.2	5.2	5.6
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	9.1	8.8	10.6	9.5

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

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

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

TABLE 3A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GOTHAM	5.3	82.7	76.0	6.3	7.0	7.7	8.0	7.0	7.0	6.7	6.7	6.3	7.0
PSG 50C3	4.7	87.3	77.0	5.3	6.3	7.7	8.0	5.3	7.0	6.7	6.7	6.0	6.6
SPARTAN II	4.3	87.3	76.0	5.7	5.7	6.0	7.3	7.0	6.3	7.0	8.0	6.7	6.6
BEACON (Z6300)	4.7	82.7	71.0	4.7	6.0	7.0	7.7	6.3	5.7	6.0	6.7	6.3	6.3
PST-4HES	5.7	80.7	67.3	6.0	6.3	6.7	7.3	6.0	5.7	6.0	6.0	7.0	6.3
SWORD (NC-HF1)	5.7	72.7	75.7	4.7	5.3	6.0	6.7	7.7	7.3	6.7	6.3	6.3	6.3
BIGHORN GT (PST-4BU3)	5.7	86.3	64.7	6.3	7.0	7.7	8.0	5.7	5.0	5.0	5.0	5.0	6.1
ZODIAC	4.3	64.3	76.7	5.0	5.0	5.3	6.7	5.7	6.0	6.3	7.0	6.0	5.9
RADAR (MVS-FRC-101)	5.0	76.3	76.7	5.0	5.3	6.0	6.3	5.3	5.7	6.0	6.3	6.0	5.8
TREAZURE II	5.3	63.7	60.3	4.7	5.3	5.3	6.0	4.7	6.0	6.3	6.7	5.7	5.6
FAIRMONT (TCD)	4.7	74.0	67.0	4.3	5.0	5.7	6.0	4.7	6.0	5.7	5.3	4.3	5.2
WRIGLEY 2 (IS-FRC-35)	4.7	54.3	63.3	4.0	4.7	5.0	5.7	4.7	5.7	5.7	5.7	6.0	5.2
INTRIGUE 2	5.0	42.3	56.0	3.3	3.7	3.7	5.3	5.3	5.7	6.3	6.7	6.0	5.1
LONGFELLOW 3 (IS-FRC-33)	6.0	66.3	68.0	3.3	3.7	4.3	5.3	5.0	5.7	6.0	6.3	6.7	5.1
CASCADE	5.7	58.0	54.7	4.7	4.7	4.7	4.3	4.0	5.0	5.3	5.7	5.3	4.9
PSG-5RM	5.0	48.7	62.7	3.7	4.0	4.3	5.0	4.3	5.0	5.7	6.0	5.3	4.8
ROSECITY (IS-FRR-51)	4.7	51.0	50.0	4.0	4.3	4.0	5.3	3.7	5.0	5.0	5.0	4.3	4.5
ABERDEEN	5.0	59.0	54.0	4.7	4.0	3.3	4.3	4.0	4.0	4.3	6.3	4.3	4.4
CHANTILLY (IS-FRR-62)	5.0	35.7	40.3	4.0	3.7	3.7	4.7	3.3	4.0	5.3	6.0	5.0	4.4
BOREAL	5.0	39.7	43.0	3.3	3.7	3.3	3.7	3.0	4.0	4.7	5.3	4.0	3.9
NAVIGATOR II (MVS-OS-1)	3.7	44.7	50.0	3.3	3.7	3.3	4.7	3.7	4.0	4.0	4.0	3.7	3.8
EPIC	4.0	45.7	44.7	3.7	3.7	3.7	4.0	3.0	3.7	3.7	3.3	2.7	3.5
SHADEMASTER III (PST-48Y7)	4.0	43.3	33.7	3.3	3.7	3.7	3.7	2.7	3.3	3.3	3.0	3.0	3.3
LACROSSE	5.0	37.0	23.0	2.7	3.0	3.3	3.3	2.3	3.3	4.0	3.3	3.3	3.2
SHADOW III (PST-4CSD)	4.7	27.7	33.7	2.7	3.0	3.0	3.0	2.7	3.3	3.3	3.7	4.0	3.2
LSD VALUE	2.8	45.2	55.2	2.2	2.4	3.0	2.4	2.2	3.3	3.6	3.7	2.5	2.2
C.V. (%)	19.4	36.0	37.5	25.9	26.9	32.1	25.1	27.2	29.1	27.5	29.1	25.5	23.3

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 3B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PSG 50C3	4.7	87.3	77.0	5.3	6.3	7.7	8.0	5.3	7.0	6.7	6.7	6.0	6.6
ZODIAC	4.3	64.3	76.7	5.0	5.0	5.3	6.7	5.7	6.0	6.3	7.0	6.0	5.9
RADAR (MVS-FRC-101)	5.0	76.3	76.7	5.0	5.3	6.0	6.3	5.3	5.7	6.0	6.3	6.0	5.8
TREAZURE II	5.3	63.7	60.3	4.7	5.3	5.3	6.0	4.7	6.0	6.3	6.7	5.7	5.6
FAIRMONT (TCD)	4.7	74.0	67.0	4.3	5.0	5.7	6.0	4.7	6.0	5.7	5.3	4.3	5.2
WRIGLEY 2 (IS-FRC-35)	4.7	54.3	63.3	4.0	4.7	5.0	5.7	4.7	5.7	5.7	5.7	6.0	5.2
INTRIGUE 2	5.0	42.3	56.0	3.3	3.7	3.7	5.3	5.3	5.7	6.3	6.7	6.0	5.1
LONGFELLOW 3 (IS-FRC-33)	6.0	66.3	68.0	3.3	3.7	4.3	5.3	5.0	5.7	6.0	6.3	6.7	5.1
CASCADE	5.7	58.0	54.7	4.7	4.7	4.7	4.3	4.0	5.0	5.3	5.7	5.3	4.9
LACROSSE	5.0	37.0	23.0	2.7	3.0	3.3	3.3	2.3	3.3	4.0	3.3	3.3	3.2
SHADOW III (PST-4CSD)	4.7	27.7	33.7	2.7	3.0	3.0	3.0	2.7	3.3	3.3	3.7	4.0	3.2
LSD VALUE	2.8	57.3	42.6	3.0	3.5	4.2	2.6	2.6	3.0	2.9	2.8	2.7	2.7
C.V. (%)	19.9	41.5	33.9	31.5	32.7	36.7	25.4	27.3	25.5	23.6	23.4	23.0	24.5

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

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

TABLE 3C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PSG-5RM	5.0	48.7	62.7	3.7	4.0	4.3	5.0	4.3	5.0	5.7	6.0	5.3	4.8
ROSECITY (IS-FRR-51)	4.7	51.0	50.0	4.0	4.3	4.0	5.3	3.7	5.0	5.0	5.0	4.3	4.5
ABERDEEN	5.0	59.0	54.0	4.7	4.0	3.3	4.3	4.0	4.0	4.3	6.3	4.3	4.4
CHANTILLY (IS-FRR-62)	5.0	35.7	40.3	4.0	3.7	3.7	4.7	3.3	4.0	5.3	6.0	5.0	4.4
BOREAL	5.0	39.7	43.0	3.3	3.7	3.3	3.7	3.0	4.0	4.7	5.3	4.0	3.9
NAVIGATOR II (MVS-OS-1)	3.7	44.7	50.0	3.3	3.7	3.3	4.7	3.7	4.0	4.0	4.0	3.7	3.8
EPIC	4.0	45.7	44.7	3.7	3.7	3.7	4.0	3.0	3.7	3.7	3.3	2.7	3.5
SHADEMASTER III (PST-48Y7)	4.0	43.3	33.7	3.3	3.7	3.7	3.7	2.7	3.3	3.3	3.0	3.0	3.3
LSD VALUE	2.1	54.0	44.8	2.1	2.2	2.7	3.8	2.3	3.4	2.5	3.3	1.3	2.3
C.V. (%)	19.3	43.0	37.1	22.3	20.8	26.9	32.5	27.6	31.3	24.7	31.5	17.8	22.7

TABLE 3D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GOTHAM	5.3	82.7	76.0	6.3	7.0	7.7	8.0	7.0	7.0	6.7	6.7	6.3	7.0
SPARTAN II	4.3	87.3	76.0	5.7	5.7	6.0	7.3	7.0	6.3	7.0	8.0	6.7	6.6
BEACON (Z6300)	4.7	82.7	71.0	4.7	6.0	7.0	7.7	6.3	5.7	6.0	6.7	6.3	6.3
PST-4HES	5.7	80.7	67.3	6.0	6.3	6.7	7.3	6.0	5.7	6.0	6.0	7.0	6.3
SWORD (NC-HF1)	5.7	72.7	75.7	4.7	5.3	6.0	6.7	7.7	7.3	6.7	6.3	6.3	6.3
BIGHORN GT (PST-4BU3)	5.7	86.3	64.7	6.3	7.0	7.7	8.0	5.7	5.0	5.0	5.0	5.0	6.1
LSD VALUE	1.2	31.1	25.6	1.6	2.4	3.7	2.3	2.8	2.7	3.4	3.5	3.7	1.9
C.V. (%)	10.9	15.3	14.6	13.7	17.0	22.5	12.9	18.2	19.4	22.7	23.6	23.7	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 4A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
AT PALO ALTO (NON-MOWED), CA 1/
2013 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PSG-5RM	5.3	6.0	6.0	6.0	6.7	7.7	7.0	7.0	7.0	7.3	7.0	6.3	6.6
BOREAL	5.0	5.3	5.0	5.0	7.0	7.0	6.7	7.0	7.7	7.0	7.0	7.0	6.4
CHANTILLY (IS-FRR-62)	5.3	5.7	5.7	5.7	6.7	7.3	6.7	7.0	7.0	7.0	7.0	6.3	6.4
ABERDEEN	5.0	5.3	5.7	6.0	6.0	7.0	6.3	7.3	7.0	7.0	7.0	6.3	6.3
ROSECITY (IS-FRR-51)	4.7	4.7	5.0	6.0	6.0	7.3	7.3	7.3	6.7	6.7	6.7	6.7	6.3
TREAZURE II	5.3	5.0	5.7	6.3	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.0	6.3
WRIGLEY 2 (IS-FRC-35)	5.0	5.3	5.3	5.7	6.7	6.7	6.7	6.7	7.0	6.7	7.0	6.3	6.3
SWORD (NC-HF1)	5.0	5.0	5.0	6.0	6.5	7.0	6.5	6.5	7.0	7.0	6.5	6.0	6.2
BEACON (Z6300)	5.0	5.0	5.0	6.5	7.0	7.0	6.5	6.5	6.0	6.5	6.5	6.0	6.1
INTRIGUE 2	5.0	5.0	5.0	6.0	6.0	6.3	6.0	6.3	7.0	7.0	7.0	6.0	6.1
NAVIGATOR II (MVS-OS-1)	5.3	5.0	5.0	5.3	6.0	6.7	6.3	7.0	7.0	6.7	6.7	6.7	6.1
SPARTAN II	5.0	5.0	5.0	6.0	6.5	6.5	6.5	6.5	6.5	6.0	6.5	6.0	6.0
FAIRMONT (TCD)	4.7	5.0	5.0	6.0	6.3	6.0	5.7	6.7	6.7	6.7	6.3	6.0	5.9
GOTHAM	4.7	5.0	5.0	5.3	6.3	6.0	6.0	6.0	6.3	6.7	6.7	6.7	5.9
RADAR (MVS-FRC-101)	4.3	4.3	4.7	5.3	6.3	6.7	6.0	6.3	6.7	7.0	6.3	6.3	5.9
SHADEMASTER III (PST-48Y7)	5.0	5.0	4.7	5.0	6.0	6.0	6.3	6.7	6.7	6.7	6.7	6.0	5.9
SHADOW III (PST-4CSD)	5.0	5.0	5.0	6.0	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.0	5.9
CASCADE	4.5	4.5	4.5	5.0	6.0	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.8
PST-4HES	5.0	5.0	5.0	6.0	6.0	7.0	6.0	7.0	6.0	5.0	7.0	5.0	5.8
EPIC	4.7	4.7	4.7	5.0	5.7	5.7	6.3	6.0	6.3	6.7	6.3	5.7	5.6
LONGFELLOW 3 (IS-FRC-33)	4.3	4.7	4.7	5.0	5.7	6.0	6.0	5.7	6.3	6.7	6.3	5.7	5.6
PSG 50C3	4.3	4.3	4.3	4.7	5.3	6.3	6.0	6.3	6.3	6.7	6.7	6.0	5.6
ZODIAC	4.7	4.7	4.7	5.0	5.7	6.0	5.7	5.7	6.7	6.3	6.0	6.0	5.6
LACROSSE	4.0	4.0	5.0	5.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0	5.0	5.3
BIGHORN GT (PST-4BU3)	4.3	5.0	4.3	4.3	6.0	5.7	5.7	5.3	5.0	5.3	5.3	5.3	5.1
LSD VALUE	2.0	0.8	2.2	3.0	2.7	2.1	3.0	1.8	0.9	1.2	1.1	1.3	1.0
C.V. (%)	11.9	8.0	13.4	16.3	12.1	11.4	12.4	10.7	6.9	7.7	7.1	8.4	6.8

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 4B.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
AT PALO ALTO (NON-MOWED), CA 1/
2013 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
TREAZURE II	5.3	5.0	5.7	6.3	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.0	6.3
WRIGLEY 2 (IS-FRC-35)	5.0	5.3	5.3	5.7	6.7	6.7	6.7	6.7	7.0	6.7	7.0	6.3	6.3
INTRIGUE 2	5.0	5.0	5.0	6.0	6.0	6.3	6.0	6.3	7.0	7.0	7.0	6.0	6.1
FAIRMONT (TCD)	4.7	5.0	5.0	6.0	6.3	6.0	5.7	6.7	6.7	6.7	6.3	6.0	5.9
RADAR (MVS-FRC-101)	4.3	4.3	4.7	5.3	6.3	6.7	6.0	6.3	6.7	7.0	6.3	6.3	5.9
SHADOW III (PST-4CSD)	5.0	5.0	5.0	6.0	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.0	5.9
CASCADE	4.5	4.5	4.5	5.0	6.0	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.8
LONGFELLOW 3 (IS-FRC-33)	4.3	4.7	4.7	5.0	5.7	6.0	6.0	5.7	6.3	6.7	6.3	5.7	5.6
PSG 50C3	4.3	4.3	4.3	4.7	5.3	6.3	6.0	6.3	6.3	6.7	6.7	6.0	5.6
ZODIAC	4.7	4.7	4.7	5.0	5.7	6.0	5.7	5.7	6.7	6.3	6.0	6.0	5.6
LACROSSE	4.0	4.0	5.0	5.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0	5.0	5.3
LSD VALUE	1.8	1.0	2.0	2.3	2.2	2.6	2.8	2.0	0.9	1.2	0.7	0.8	0.9
C.V. (%)	13.0	8.8	13.8	15.4	12.5	12.7	14.0	10.9	5.2	6.0	5.1	5.3	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 4C.

MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT PALO ALTO (NON-MOWED), CA 1/
2013 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PSG-5RM	5.3	6.0	6.0	6.0	6.7	7.7	7.0	7.0	7.0	7.3	7.0	6.3	6.6
BOREAL	5.0	5.3	5.0	5.0	7.0	7.0	6.7	7.0	7.7	7.0	7.0	7.0	6.4
CHANTILLY (IS-FRR-62)	5.3	5.7	5.7	5.7	6.7	7.3	6.7	7.0	7.0	7.0	7.0	6.3	6.4
ABERDEEN	5.0	5.3	5.7	6.0	6.0	7.0	6.3	7.3	7.0	7.0	7.0	6.3	6.3
ROSECITY (IS-FRR-51)	4.7	4.7	5.0	6.0	6.0	7.3	7.3	7.3	6.7	6.7	6.7	6.7	6.3
NAVIGATOR II (MVS-QS-1)	5.3	5.0	5.0	5.3	6.0	6.7	6.3	7.0	7.0	6.7	6.7	6.7	6.1
SHADEMASTER III (PST-48Y7)	5.0	5.0	4.7	5.0	6.0	6.0	6.3	6.7	6.7	6.7	6.7	6.0	5.9
EPIC	4.7	4.7	4.7	5.0	5.7	5.7	6.3	6.0	6.3	6.7	6.3	5.7	5.6
LSD VALUE	1.1	0.9	1.2	1.9	1.9	1.3	1.9	1.3	1.3	0.8	0.8	1.1	0.9
C.V. (%)	9.2	8.9	11.0	14.0	12.6	9.8	11.4	8.1	8.3	4.9	5.0	8.1	6.7

TABLE 4D.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
AT PALO ALTO (NON-MOWED), CA 1/
2013 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SWORD (NC-HF1)	5.0	5	5.0	6.0	6.5	7.0	6.5	6.5	7.0	7.0	6.5	6.0	6.2
BEACON (Z6300)	5.0	5	5.0	6.5	7.0	7.0	6.5	6.5	6.0	6.5	6.5	6.0	6.1
SPARTAN II	5.0	5	5.0	6.0	6.5	6.5	6.5	6.5	6.5	6.0	6.5	6.0	6.0
GOTHAM	4.7	5	5.0	5.3	6.3	6.0	6.0	6.0	6.3	6.7	6.7	6.7	5.9
PST-4HES	5.0	5	5.0	6.0	6.0	7.0	6.0	7.0	6.0	5.0	7.0	5.0	5.8
BIGHORN GT (PST-4BU3)	4.3	5	4.3	4.3	6.0	5.7	5.7	5.3	5.0	5.3	5.3	5.3	5.1
LSD VALUE	2.3	0	1.9	2.1	1.3	2.6	2.2	2.4	1.4	3.1	2.8	2.9	1.5
C.V. (%)	15.8	0	13.1	13.5	6.8	14.0	12.0	13.4	8.3	17.4	14.8	16.4	9.0

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 5A. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	IL1	NE1	NJ2	RI1	UT1	VA1	MEAN
LACROSSE	6.0	6.7	7.7	7.0	6.0	7.3	6.8
GOTHAM	5.7	6.7	6.3	8.3	6.7	6.7	6.7
PST-4HES	5.0	5.7	6.0	9.0	7.0	7.3	6.7
NAVIGATOR II (MVS-OS-1)	5.7	6.7	6.7	6.3	7.7	7.0	6.7
PSG-5RM	5.3	6.3	7.0	7.0	7.3	7.0	6.7
SPARTAN II	5.0	6.7	5.7	7.7	8.3	6.3	6.6
ABERDEEN	5.7	5.7	6.7	7.3	7.0	7.3	6.6
SWORD (NC-HF1)	5.7	6.7	5.0	8.0	7.7	6.7	6.6
ROSECITY (IS-FRR-51)	5.7	6.3	6.7	7.0	6.7	7.0	6.6
SHADEMASTER III (PST-48Y7)	5.7	6.3	6.3	7.0	6.7	7.0	6.5
BIGHORN GT (PST-4BU3)	5.0	6.7	7.0	6.7	5.0	8.0	6.4
CASCADE	5.3	6.0	7.0	5.3	6.3	8.0	6.3
LONGFELLOW 3 (IS-FRC-33)	5.3	6.3	5.7	7.0	7.0	6.7	6.3
EPIC	5.3	6.0	6.3	6.7	6.7	6.7	6.3
SHADOW III (PST-4CSD)	5.3	6.0	6.7	8.0	4.3	7.0	6.2
CHANTILLY (IS-FRR-62)	6.0	5.7	5.3	6.3	6.0	7.0	6.1
FAIRMONT (TCD)	5.0	6.7	6.7	5.7	5.7	6.3	6.0
BOREAL	6.0	7.0	6.7	4.0	5.0	7.0	5.9
INTRIGUE 2	6.0	6.7	5.0	5.7	6.0	6.3	5.9
PSG 50C3	5.7	6.3	6.7	5.3	5.0	6.7	5.9
RADAR (MVS-FRC-101)	5.3	6.7	7.0	4.7	5.7	6.0	5.9
ZODIAC	5.3	7.0	5.7	4.0	6.3	6.7	5.8
WRIGLEY 2 (IS-FRC-35)	5.3	6.3	4.3	6.0	5.3	5.7	5.5
BEACON (Z6300)	5.3	6.3	3.3	6.0	6.0	5.3	5.4
TREAZURE II	5.3	6.7	4.7	4.7	4.3	5.7	5.2
LSD VALUE	0.8	0.9	1.5	1.3	1.8	1.5	0.6
C.V. (%)	8.7	8.7	15.4	12.4	17.9	14.2	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 5B. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	IL1	NE1	NJ2	RI1	UT1	VA1	MEAN
LACROSSE	6.0	6.7	7.7	7.0	6.0	7.3	6.8
CASCADE	5.3	6.0	7.0	5.3	6.3	8.0	6.3
LONGFELLOW 3 (IS-FRC-33)	5.3	6.3	5.7	7.0	7.0	6.7	6.3
SHADOW III (PST-4CSD)	5.3	6.0	6.7	8.0	4.3	7.0	6.2
FAIRMONT (TCD)	5.0	6.7	6.7	5.7	5.7	6.3	6.0
INTRIGUE 2	6.0	6.7	5.0	5.7	6.0	6.3	5.9
PSG 50C3	5.7	6.3	6.7	5.3	5.0	6.7	5.9
RADAR (MVS-FRC-101)	5.3	6.7	7.0	4.7	5.7	6.0	5.9
ZODIAC	5.3	7.0	5.7	4.0	6.3	6.7	5.8
WRIGLEY 2 (IS-FRC-35)	5.3	6.3	4.3	6.0	5.3	5.7	5.5
TREAZURE II	5.3	6.7	4.7	4.7	4.3	5.7	5.2
LSD VALUE	0.8	0.8	1.8	0.8	2.1	0.9	0.5
C.V. (%)	9.0	7.6	18.3	9.1	22.9	8.8	13.6

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 5C. GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/							
NAME	IL1	NE1	NJ2	RI1	UT1	VA1	MEAN
NAVIGATOR II (MVS-OS-1)	5.7	6.7	6.7	6.3	7.7	7.0	6.7
PSG-5RM	5.3	6.3	7.0	7.0	7.3	7.0	6.7
ABERDEEN	5.7	5.7	6.7	7.3	7.0	7.3	6.6
ROSECITY (IS-FRR-51)	5.7	6.3	6.7	7.0	6.7	7.0	6.6
SHADEMASTER III (PST-48Y7)	5.7	6.3	6.3	7.0	6.7	7.0	6.5
EPIC	5.3	6.0	6.3	6.7	6.7	6.7	6.3
CHANTILLY (IS-FRR-62)	6.0	5.7	5.3	6.3	6.0	7.0	6.1
BOREAL	6.0	7.0	6.7	4.0	5.0	7.0	5.9
LSD VALUE	0.8	1.0	1.0	2.0	1.9	1.1	0.5
C.V. (%)	8.8	9.8	10.0	16.9	17.4	9.7	12.7

TABLE 5D. GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/							
NAME	IL1	NE1	NJ2	RI1	UT1	VA1	MEAN
GOTHAM	5.7	6.7	6.3	8.3	6.7	6.7	6.7
PST-4HES	5.0	5.7	6.0	9.0	7.0	7.3	6.7
SPARTAN II	5.0	6.7	5.7	7.7	8.3	6.3	6.6
SWORD (NC-HF1)	5.7	6.7	5.0	8.0	7.7	6.7	6.6
BIGHORN GT (PST-4BU3)	5.0	6.7	7.0	6.7	5.0	8.0	6.4
BEACON (Z6300)	5.3	6.3	3.3	6.0	6.0	5.3	5.4
LSD VALUE	0.7	0.9	1.5	1.3	0.9	2.6	0.6
C.V. (%)	7.7	9.0	16.4	10.7	8.5	24.0	14.2

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

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

TABLE 6A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	IL1	NE1	NJ2	PA1	RI1	UT1	WA3	MEAN
EPIC	6.0	7.0	7.0	4.7	7.3	2.7	5.0	5.7
BOREAL	5.3	7.0	7.0	6.0	7.0	2.3	4.7	5.6
NAVIGATOR II (MVS-OS-1)	5.7	7.0	5.7	6.7	5.0	3.7	5.3	5.6
CASCADE	5.0	6.7	6.7	6.0	4.3	5.3	5.0	5.6
SHADEMASTER III (PST-48Y7)	5.3	6.3	5.0	5.7	7.0	3.7	5.0	5.4
PST-4HES	2.0	6.3	6.3	7.0	5.0	6.0	5.0	5.4
ABERDEEN	4.3	6.3	7.0	5.3	5.7	3.7	5.0	5.3
SPARTAN II	1.0	6.7	5.7	7.0	5.7	6.7	4.3	5.3
BIGHORN GT (PST-4BU3)	2.0	6.0	5.7	6.3	5.7	6.0	5.0	5.2
ROSECITY (IS-FRR-51)	5.7	6.0	4.0	4.7	7.7	3.7	4.7	5.2
ZODIAC	5.3	6.3	4.3	6.0	4.3	5.3	4.7	5.2
FAIRMONT (TCD)	4.3	7.0	5.0	6.0	4.3	4.3	5.0	5.1
SHADOW III (PST-4CSD)	5.0	7.0	6.3	6.3	3.3	3.7	4.3	5.1
SWORD (NC-HF1)	2.0	7.0	5.0	6.0	3.3	8.0	4.7	5.1
CHANTILLY (IS-FRR-62)	5.3	6.3	5.3	6.0	3.7	4.0	5.0	5.1
GOTHAM	1.0	6.3	4.3	7.7	4.3	7.7	4.3	5.1
TREAZURE II	4.7	6.3	5.0	5.3	5.0	4.0	5.0	5.0
RADAR (MVS-FRC-101)	4.3	6.7	4.7	5.3	4.3	4.3	5.3	5.0
LACROSSE	4.7	6.7	5.3	5.3	4.3	3.3	4.3	4.9
INTRIGUE 2	5.7	6.3	4.7	5.3	3.7	4.0	4.0	4.8
BEACON (Z6300)	1.0	6.3	4.7	7.0	2.7	6.7	4.3	4.7
PSG 50C3	4.3	6.3	3.0	5.0	4.7	3.7	5.0	4.6
PSG-5RM	5.0	6.0	5.3	4.7	2.7	2.7	5.0	4.5
WRIGLEY 2 (IS-FRC-35)	4.3	6.3	3.7	5.7	3.3	3.7	4.3	4.5
LONGFELLOW 3 (IS-FRC-33)	5.0	6.3	3.3	5.0	2.3	4.7	4.3	4.4
LSD VALUE	1.7	0.7	1.9	1.4	2.2	1.4	1.2	0.6
C.V. (%)	25.2	7.1	22.2	15.2	28.2	18.8	16.0	18.8

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 6B. SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	IL1	NE1	NJ2	PA1	RI1	UT1	WA3	MEAN
CASCADE	5.0	6.7	6.7	6.0	4.3	5.3	5.0	5.6
ZODIAC	5.3	6.3	4.3	6.0	4.3	5.3	4.7	5.2
FAIRMONT (TCD)	4.3	7.0	5.0	6.0	4.3	4.3	5.0	5.1
SHADOW III (PST-4CSD)	5.0	7.0	6.3	6.3	3.3	3.7	4.3	5.1
TREAZURE II	4.7	6.3	5.0	5.3	5.0	4.0	5.0	5.0
RADAR (MVS-FRC-101)	4.3	6.7	4.7	5.3	4.3	4.3	5.3	5.0
LACROSSE	4.7	6.7	5.3	5.3	4.3	3.3	4.3	4.9
INTRIGUE 2	5.7	6.3	4.7	5.3	3.7	4.0	4.0	4.8
PSG 50C3	4.3	6.3	3.0	5.0	4.7	3.7	5.0	4.6
WRIGLEY 2 (IS-FRC-35)	4.3	6.3	3.7	5.7	3.3	3.7	4.3	4.5
LONGFELLOW 3 (IS-FRC-33)	5.0	6.3	3.3	5.0	2.3	4.7	4.3	4.4
LSD VALUE	1.8	0.8	1.7	1.5	1.4	1.5	0.8	0.5
C.V. (%)	23.3	8.0	21.8	16.2	21.8	21.5	11.2	17.6

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 6C. SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								
NAME	IL1	NE1	NJ2	PA1	RI1	UT1	WA3	MEAN
EPIC	6.0	7.0	7.0	4.7	7.3	2.7	5.0	5.7
BOREAL	5.3	7.0	7.0	6.0	7.0	2.3	4.7	5.6
NAVIGATOR II (MVS-OS-1)	5.7	7.0	5.7	6.7	5.0	3.7	5.3	5.6
SHADEMASTER III (PST-48Y7)	5.3	6.3	5.0	5.7	7.0	3.7	5.0	5.4
ABERDEEN	4.3	6.3	7.0	5.3	5.7	3.7	5.0	5.3
ROSECITY (IS-FRR-51)	5.7	6.0	4.0	4.7	7.7	3.7	4.7	5.2
CHANTILLY (IS-FRR-62)	5.3	6.3	5.3	6.0	3.7	4.0	5.0	5.1
PSG-5RM	5.0	6.0	5.3	4.7	2.7	2.7	5.0	4.5
LSD VALUE	1.3	0.6	1.8	1.6	2.1	1.0	1.0	0.5
C.V. (%)	14.8	5.4	19.3	18.3	21.7	19.6	12.4	16.4

TABLE 6D. SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								
NAME	IL1	NE1	NJ2	PA1	RI1	UT1	WA3	MEAN
PST-4HES	2.0	6.3	6.3	7.0	5.0	6.0	5.0	5.4
SPARTAN II	1.0	6.7	5.7	7.0	5.7	6.7	4.3	5.3
BIGHORN GT (PST-4BU3)	2.0	6.0	5.7	6.3	5.7	6.0	5.0	5.2
SWORD (NC-HF1)	2.0	7.0	5.0	6.0	3.3	8.0	4.7	5.1
GOTHAM	1.0	6.3	4.3	7.7	4.3	7.7	4.3	5.1
BEACON (Z6300)	1.0	6.3	4.7	7.0	2.7	6.7	4.3	4.7
LSD VALUE	2.0	0.8	2.2	1.1	3.3	1.6	1.9	0.7
C.V. (%)	81.6	7.3	26.4	9.8	44.7	14.6	25.6	23.5

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

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

TABLE 7A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
SPARTAN II	8.7
BEACON (Z6300)	8.3
BIGHORN GT (PST-4BU3)	8.3
GOTHAM	7.3
PST-4HES	7.3
SWORD (NC-HF1)	7.3
LONGFELLOW 3 (IS-FRC-33)	6.0
RADAR (MVS-FRC-101)	5.7
WRIGLEY 2 (IS-FRC-35)	5.7
ZODIAC	5.7
CHANTILLY (IS-FRR-62)	5.3
NAVIGATOR II (MVS-OS-1)	5.3
SHADOW III (PST-4CSD)	5.3
TREAZURE II	5.3
LACROSSE	5.0
CASCADE	4.3
INTRIGUE 2	4.3
PSG 50C3	4.3
PSG-5RM	4.3
FAIRMONT (TCD)	4.0
SHADEMASTER III (PST-48Y7)	4.0
ROSECITY (IS-FRR-51)	3.7
ABERDEEN	3.3
EPIC	3.3
BOREAL	2.0
LSD VALUE	1.2
C.V. (%)	14.3

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

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

TABLE 7B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
LONGFELLOW 3 (IS-FRC-33)	6.0
RADAR (MVS-FRC-101)	5.7
WRIGLEY 2 (IS-FRC-35)	5.7
ZODIAC	5.7
SHADOW III (PST-4CSD)	5.3
TREAZURE II	5.3
LACROSSE	5.0
CASCADE	4.3
INTRIGUE 2	4.3
PSG 50C3	4.3
FAIRMONT (TCD)	4.0
LSD VALUE	1.2
C.V. (%)	14.2

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

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

TABLE 7C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
CHANTILLY (IS-FRR-62)	5.3
NAVIGATOR II (MVS-OS-1)	5.3
PSG-5RM	4.3
SHADEMASTER III (PST-48Y7)	4.0
ROSECITY (IS-FRR-51)	3.7
ABERDEEN	3.3
EPIC	3.3
BOREAL	2.0
LSD VALUE	1.4
C.V. (%)	22.1

TABLE 7D. SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
SPARTAN II	8.7
BEACON (Z6300)	8.3
BIGHORN GT (PST-4BU3)	8.3
GOTHAM	7.3
PST-4HES	7.3
SWORD (NC-HF1)	7.3
LSD VALUE	1.1
C.V. (%)	9.0

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 8A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	RI1	VA1	MEAN
CHANTILLY (IS-FRR-62)	99.0	99.0	99.0
FAIRMONT (TCD)	99.0	99.0	99.0
LACROSSE	99.0	99.0	99.0
LONGFELLOW 3 (IS-FRC-33)	99.0	99.0	99.0
PSG 50C3	99.0	99.0	99.0
PSG-5RM	99.0	99.0	99.0
RADAR (MVS-FRC-101)	99.0	99.0	99.0
WRIGLEY 2 (IS-FRC-35)	99.0	99.0	99.0
ZODIAC	96.0	99.0	97.5
NAVIGATOR II (MVS-OS-1)	93.0	99.0	96.0
TREAZURE II	93.0	99.0	96.0
CASCADE	89.7	99.0	94.3
SWORD (NC-HF1)	99.0	87.7	93.3
SPARTAN II	84.7	96.0	90.3
SHADOW III (PST-4CSD)	79.7	99.0	89.3
INTRIGUE 2	79.3	99.0	89.2
BEACON (Z6300)	99.0	76.7	87.8
ROSECITY (IS-FRR-51)	69.7	99.0	84.3
BIGHORN GT (PST-4BU3)	66.7	99.0	82.8
GOTHAM	81.3	81.3	81.3
EPIC	66.7	94.3	80.5
ABERDEEN	71.7	81.7	76.7
SHADEMASTER III (PST-48Y7)	43.3	99.0	71.2
PST-4HES	54.7	86.0	70.3
BOREAL	43.3	81.3	62.3
LSD VALUE	26.5	12.6	14.7
C.V. (%)	19.6	8.3	14.4

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 8B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	RI1	VA1	MEAN
FAIRMONT (TCD)	99.0	99	99.0
LACROSSE	99.0	99	99.0
LONGFELLOW 3 (IS-FRC-33)	99.0	99	99.0
PSG 50C3	99.0	99	99.0
RADAR (MVS-FRC-101)	99.0	99	99.0
WRIGLEY 2 (IS-FRC-35)	99.0	99	99.0
ZODIAC	96.0	99	97.5
TREAZURE II	93.0	99	96.0
CASCADE	89.7	99	94.3
SHADOW III (PST-4CSD)	79.7	99	89.3
INTRIGUE 2	79.3	99	89.2
LSD VALUE	19.9	0	10.0
C.V. (%)	13.2	0	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 8C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	RI1	VA1	MEAN
CHANTILLY (IS-FRR-62)	99.0	99.0	99.0
PSG-5RM	99.0	99.0	99.0
NAVIGATOR II (MVS-OS-1)	93.0	99.0	96.0
ROSECITY (IS-FRR-51)	69.7	99.0	84.3
EPIC	66.7	94.3	80.5
ABERDEEN	71.7	81.7	76.7
SHADEMASTER III (PST-48Y7)	43.3	99.0	71.2
BOREAL	43.3	81.3	62.3
LSD VALUE	28.5	10.1	15.1
C.V. (%)	24.2	6.7	15.9

TABLE 8D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	RI1	VA1	MEAN
SWORD (NC-HF1)	99.0	87.7	93.3
SPARTAN II	84.7	96.0	90.3
BEACON (Z6300)	99.0	76.7	87.8
BIGHORN GT (PST-4BU3)	66.7	99.0	82.8
GOTHAM	81.3	81.3	81.3
PST-4HES	54.7	86.0	70.3
LSD VALUE	33.6	22.9	20.3
C.V. (%)	25.8	16.2	21.2

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

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

TABLE 9A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL1	NE1	RI1	UT1	MEAN
PSG-5RM	97.7	83.3	99.0	86.7	91.7
FAIRMONT (TCD)	93.3	90.0	99.0	80.0	90.6
PSG 50C3	99.0	83.3	99.0	80.0	90.3
RADAR (MVS-FRC-101)	93.0	83.3	99.0	83.3	89.7
NAVIGATOR II (MVS-OS-1)	92.7	73.3	94.3	90.0	87.6
WRIGLEY 2 (IS-FRC-35)	90.0	73.3	99.0	86.7	87.3
LONGFELLOW 3 (IS-FRC-33)	93.0	76.7	99.0	76.7	86.3
ZODIAC	91.7	70.0	99.0	83.3	86.0
SHADEMASTER III (PST-48Y7)	94.3	90.0	66.7	90.0	85.3
INTRIGUE 2	93.3	70.0	92.7	83.3	84.8
CHANTILLY (IS-FRR-62)	97.7	60.0	94.3	86.7	84.7
TREAZURE II	88.3	76.7	99.0	73.3	84.3
ROSECITY (IS-FRR-51)	90.0	76.7	76.7	90.0	83.3
LACROSSE	85.0	66.7	99.0	80.0	82.7
ABERDEEN	88.3	73.3	71.7	90.0	80.8
CASCADE	90.0	63.3	88.0	76.7	79.5
SHADOW III (PST-4CSD)	86.7	56.7	93.0	80.0	79.1
SWORD (NC-HF1)	20.0	83.3	99.0	90.0	73.1
EPIC	85.0	56.7	58.3	86.7	71.7
BEACON (Z6300)	8.3	83.3	99.0	90.0	70.2
SPARTAN II	18.3	63.3	97.7	90.0	67.3
GOTHAM	16.7	70.0	79.7	90.0	64.1
BIGHORN GT (PST-4BU3)	13.3	83.3	61.3	90.0	62.0
BOREAL	73.3	66.7	23.3	80.0	60.8
PST-4HES	18.3	46.7	65.0	86.7	54.2
LSD VALUE	9.5	24.4	27.2	6.9	9.6
C.V. (%)	8.1	20.8	19.6	5.1	15.1

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 9B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL1	NE1	RI1	UT1	MEAN
FAIRMONT (TCD)	93.3	90.0	99.0	80.0	90.6
PSG 50C3	99.0	83.3	99.0	80.0	90.3
RADAR (MVS-FRC-101)	93.0	83.3	99.0	83.3	89.7
WRIGLEY 2 (IS-FRC-35)	90.0	73.3	99.0	86.7	87.3
LONGFELLOW 3 (IS-FRC-33)	93.0	76.7	99.0	76.7	86.3
ZODIAC	91.7	70.0	99.0	83.3	86.0
INTRIGUE 2	93.3	70.0	92.7	83.3	84.8
TREAZURE II	88.3	76.7	99.0	73.3	84.3
LACROSSE	85.0	66.7	99.0	80.0	82.7
CASCADE	90.0	63.3	88.0	76.7	79.5
SHADOW III (PST-4CSD)	86.7	56.7	93.0	80.0	79.1
LSD VALUE	6.3	22.6	8.7	8.9	6.6
C.V. (%)	4.3	19.1	5.6	6.9	9.6

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 9C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL1	NE1	RI1	UT1	MEAN
PSG-5RM	97.7	83.3	99.0	86.7	91.7
NAVIGATOR II (MVS-OS-1)	92.7	73.3	94.3	90.0	87.6
SHADEMASTER III (PST-48Y7)	94.3	90.0	66.7	90.0	85.3
CHANTILLY (IS-FRR-62)	97.7	60.0	94.3	86.7	84.7
ROSECITY (IS-FRR-51)	90.0	76.7	76.7	90.0	83.3
ABERDEEN	88.3	73.3	71.7	90.0	80.8
EPIC	85.0	56.7	58.3	86.7	71.7
BOREAL	73.3	66.7	23.3	80.0	60.8
LSD VALUE	11.9	21.3	30.6	5.7	9.9
C.V. (%)	8.2	18.2	26.1	4.0	15.2

TABLE 9D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL1	NE1	RI1	UT1	MEAN
SWORD (NC-HF1)	20.0	83.3	99.0	90.0	73.1
BEACON (Z6300)	8.3	83.3	99.0	90.0	70.2
SPARTAN II	18.3	63.3	97.7	90.0	67.3
GOTHAM	16.7	70.0	79.7	90.0	64.1
BIGHORN GT (PST-4BU3)	13.3	83.3	61.3	90.0	62.0
PST-4HES	18.3	46.7	65.0	86.7	54.2
LSD VALUE	10.7	30.6	41.2	3.8	13.1
C.V. (%)	42.1	26.5	30.6	2.6	25.1

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 10A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ2
BIGHORN GT (PST-4BU3)	99.0
INTRIGUE 2	99.0
LONGFELLOW 3 (IS-FRC-33)	99.0
PSG-5RM	99.0
RADAR (MVS-FRC-101)	99.0
WRIGLEY 2 (IS-FRC-35)	99.0
ZODIAC	99.0
CASCADE	97.7
CHANTILLY (IS-FRR-62)	97.7
FAIRMONT (TCD)	97.7
SHADOW III (PST-4CSD)	97.7
SPARTAN II	97.7
SWORD (NC-HF1)	97.7
BEACON (Z6300)	96.3
PST-4HES	96.3
PSG 50C3	96.0
TREAZURE II	96.0
NAVIGATOR II (MVS-0S-1)	95.0
GOTHAM	94.7
ROSECITY (IS-FRR-51)	94.7
SHADEMASTER III (PST-48Y7)	94.7
LACROSSE	94.3
EPIC	91.3
ABERDEEN	90.0
BOREAL	90.0
LSD VALUE	6.2
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 10B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ2
INTRIGUE 2	99.0
LONGFELLOW 3 (IS-FRC-33)	99.0
RADAR (MVS-FRC-101)	99.0
WRIGLEY 2 (IS-FRC-35)	99.0
ZODIAC	99.0
CASCADE	97.7
FAIRMONT (TCD)	97.7
SHADOW III (PST-4CSD)	97.7
PSG 50C3	96.0
TREAZURE II	96.0
LACROSSE	94.3
LSD VALUE	5.6
C.V. (%)	3.6

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 10C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ2
PSG-5RM	99.0
CHANTILLY (IS-FRR-62)	97.7
NAVIGATOR II (MVS-0S-1)	95.0
ROSECITY (IS-FRR-51)	94.7
SHADEMASTER III (PST-48Y7)	94.7
EPIC	91.3
ABERDEEN	90.0
BOREAL	90.0
LSD VALUE	8.0
C.V. (%)	5.3

TABLE 10D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ2
BIGHORN GT (PST-4BU3)	99.0
SPARTAN II	97.7
SWORD (NC-HF1)	97.7
BEACON (Z6300)	96.3
PST-4HES	96.3
GOTHAM	94.7
LSD VALUE	4.2
C.V. (%)	2.7

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 11A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
BEACON (Z6300)	6.0
GOTHAM	5.7
SPARTAN II	5.7
CHANTILLY (IS-FRR-62)	5.3
ABERDEEN	5.0
BIGHORN GT (PST-4BU3)	5.0
BOREAL	5.0
CASCADE	5.0
EPIC	5.0
FAIRMONT (TCD)	5.0
LONGFELLOW 3 (IS-FRC-33)	5.0
NAVIGATOR II (MVS-OS-1)	5.0
PSG-5RM	5.0
ROSECITY (IS-FRR-51)	5.0
SWORD (NC-HF1)	5.0
TREAZURE II	5.0
ZODIAC	5.0
INTRIGUE 2	4.7
PST-4HES	4.7
SHADEMASTER III (PST-48Y7)	4.7
LACROSSE	4.3
PSG 50C3	4.3
RADAR (MVS-FRC-101)	4.3
SHADOW III (PST-4CSD)	4.3
WRIGLEY 2 (IS-FRC-35)	4.3
LSD VALUE	0.8
C.V. (%)	9.7

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 11B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
CASCADE	5.0
FAIRMONT (TCD)	5.0
LONGFELLOW 3 (IS-FRC-33)	5.0
TREAZURE II	5.0
ZODIAC	5.0
INTRIGUE 2	4.7
LACROSSE	4.3
PSG 50C3	4.3
RADAR (MVS-FRC-101)	4.3
SHADOW III (PST-4CSD)	4.3
WRIGLEY 2 (IS-FRC-35)	4.3
LSD VALUE	0.8
C.V. (%)	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 11C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
CHANTILLY (IS-FRR-62)	5.3
ABERDEEN	5.0
BOREAL	5.0
EPIC	5.0
NAVIGATOR II (MVS-OS-1)	5.0
PSG-5RM	5.0
ROSECITY (IS-FRR-51)	5.0
SHADEMASTER III (PST-48Y7)	4.7
LSD VALUE	0.7
C.V. (%)	9.1

TABLE 11D. WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
BEACON (Z6300)	6.0
GOTHAM	5.7
SPARTAN II	5.7
BIGHORN GT (PST-4BU3)	5.0
SWORD (NC-HF1)	5.0
PST-4HES	4.7
LSD VALUE	0.7
C.V. (%)	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 12A. DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	RI1
PSG-5RM	9.0
PST-4HES	8.7
BEACON (Z6300)	7.7
GOTHAM	7.0
NAVIGATOR II (MVS-OS-1)	6.7
RADAR (MVS-FRC-101)	6.7
TREAZURE II	6.7
LONGFELLOW 3 (IS-FRC-33)	6.3
SHADEMASTER III (PST-48Y7)	6.3
SPARTAN II	6.3
WRIGLEY 2 (IS-FRC-35)	6.3
BOREAL	6.0
CHANTILLY (IS-FRR-62)	6.0
FAIRMONT (TCD)	6.0
PSG 50C3	6.0
SWORD (NC-HF1)	6.0
ZODIAC	6.0
INTRIGUE 2	5.7
LACROSSE	5.7
BIGHORN GT (PST-4BU3)	5.0
ROSECITY (IS-FRR-51)	5.0
ABERDEEN	4.0
CASCADE	4.0
EPIC	2.7
SHADOW III (PST-4CSD)	2.7
LSD VALUE	3.0
C.V. (%)	30.7

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 12B. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	RI1
RADAR (MVS-FRC-101)	6.7
TREAZURE II	6.7
LONGFELLOW 3 (IS-FRC-33)	6.3
WRIGLEY 2 (IS-FRC-35)	6.3
FAIRMONT (TCD)	6.0
PSG 50C3	6.0
ZODIAC	6.0
INTRIGUE 2	5.7
LACROSSE	5.7
CASCADE	4.0
SHADOW III (PST-4CSD)	2.7
LSD VALUE	3.3
C.V. (%)	36.8

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 12C. DROUGHT TOLERANCE (DORMANCY) RATINGS OF STRONG CREEPING RED FESCUE FESCUE CULTIVARS 1/
2013 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	RI1
PSG-5RM	9.0
NAVIGATOR II (MVS-OS-1)	6.7
SHADEMASTER III (PST-48Y7)	6.3
BOREAL	6.0
CHANTILLY (IS-FRR-62)	6.0
ROSECITY (IS-FRR-51)	5.0
ABERDEEN	4.0
EPIC	2.7
LSD VALUE	2.6
C.V. (%)	27.9

TABLE 12D. DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD FESCUE FESCUE CULTIVARS 1/
2013 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	RI1
PST-4HES	8.7
BEACON (Z6300)	7.7
GOTHAM	7.0
SPARTAN II	6.3
SWORD (NC-HF1)	6.0
BIGHORN GT (PST-4BU3)	5.0
LSD VALUE	2.5
C.V. (%)	23.3

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. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NJ2
FAIRMONT (TCD)	9.0
INTRIGUE 2	9.0
LONGFELLOW 3 (IS-FRC-33)	9.0
RADAR (MVS-FRC-101)	9.0
TREAZURE II	9.0
WRIGLEY 2 (IS-FRC-35)	9.0
ZODIAC	9.0
PSG 50C3	8.7
SHADOW III (PST-4CSD)	8.3
CASCADE	6.3
PSG-5RM	6.3
SWORD (NC-HF1)	6.3
LACROSSE	6.0
CHANTILLY (IS-FRR-62)	5.7
BOREAL	4.3
EPIC	4.3
ROSECITY (IS-FRR-51)	4.3
NAVIGATOR II (MVS-0S-1)	4.0
PST-4HES	4.0
SHADEMASTER III (PST-48Y7)	4.0
ABERDEEN	3.3
BEACON (Z6300)	3.0
SPARTAN II	3.0
BIGHORN GT (PST-4BU3)	2.3
GOTHAM	1.7
LSD VALUE	3.5
C.V. (%)	36.5

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 13B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NJ2
FAIRMONT (TCD)	9.0
INTRIGUE 2	9.0
LONGFELLOW 3 (IS-FRC-33)	9.0
RADAR (MVS-FRC-101)	9.0
TREAZURE II	9.0
WRIGLEY 2 (IS-FRC-35)	9.0
ZODIAC	9.0
PSG 50C3	8.7
SHADOW III (PST-4CSD)	8.3
CASCADE	6.3
LACROSSE	6.0
LSD VALUE	2.3
C.V. (%)	16.8

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 13C. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NJ2
PSG-5RM	6.3
CHANTILLY (IS-FRR-62)	5.7
BOREAL	4.3
EPIC	4.3
ROSECITY (IS-FRR-51)	4.3
NAVIGATOR II (MVS-OS-1)	4.0
SHADEMASTER III (PST-48Y7)	4.0
ABERDEEN	3.3
LSD VALUE	5.1
C.V. (%)	70.1

TABLE 13D. DOLLAR SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NJ2
SWORD (NC-HF1)	6.3
PST-4HES	4.0
BEACON (Z6300)	3.0
SPARTAN II	3.0
BIGHORN GT (PST-4BU3)	2.3
GOTHAM	1.7
LSD VALUE	2.5
C.V. (%)	46.7

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 14A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1	NJ2	RI1	WA3	MEAN
SPARTAN II	8.3	8.3	9.0	6.3	8.0
BEACON (Z6300)	8.3	9.0	8.3	6.0	7.9
SWORD (NC-HF1)	8.3	7.7	8.3	6.3	7.7
PST-4HES	7.7	8.3	9.0	5.3	7.6
GOTHAM	8.3	8.0	8.3	5.3	7.5
BIGHORN GT (PST-4BU3)	8.3	6.7	9.0	5.0	7.3
ROSECITY (IS-FRR-51)	6.7	7.0	8.3	4.0	6.5
BOREAL	6.7	5.7	9.0	4.3	6.4
CHANTILLY (IS-FRR-62)	7.0	7.0	7.0	4.7	6.4
PSG 50C3	6.3	4.7	9.0	4.3	6.1
SHADOW III (PST-4CSD)	5.0	6.3	9.0	4.0	6.1
INTRIGUE 2	4.7	6.0	9.0	4.3	6.0
NAVIGATOR II (MVS-OS-1)	7.3	5.7	5.7	5.0	5.9
PSG-5RM	7.0	6.0	5.7	5.0	5.9
SHADEMASTER III (PST-48Y7)	7.0	5.7	5.7	5.0	5.8
WRIGLEY 2 (IS-FRC-35)	5.0	5.3	9.0	4.0	5.8
ZODIAC	5.0	5.3	8.3	4.7	5.8
ABERDEEN	6.3	4.7	7.7	4.3	5.8
RADAR (MVS-FRC-101)	5.0	5.7	8.3	4.0	5.8
FAIRMONT (TCD)	4.7	5.3	8.3	3.7	5.5
EPIC	6.3	6.0	5.7	4.0	5.5
TREAZURE II	5.3	4.7	9.0	3.0	5.5
LONGFELLOW 3 (IS-FRC-33)	4.7	5.0	7.7	4.3	5.4
CASCADE	4.7	3.7	7.7	4.0	5.0
LACROSSE	4.3	5.0	6.7	4.0	5.0
LSD VALUE	1.1	2.0	2.3	1.2	0.9
C.V. (%)	10.5	20.5	18.2	15.7	17.2

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 14B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1	NJ2	RI1	WA3	MEAN
PSG 50C3	6.3	4.7	9.0	4.3	6.1
SHADOW III (PST-4CSD)	5.0	6.3	9.0	4.0	6.1
INTRIGUE 2	4.7	6.0	9.0	4.3	6.0
WRIGLEY 2 (IS-FRC-35)	5.0	5.3	9.0	4.0	5.8
ZODIAC	5.0	5.3	8.3	4.7	5.8
RADAR (MVS-FRC-101)	5.0	5.7	8.3	4.0	5.8
FAIRMONT (TCD)	4.7	5.3	8.3	3.7	5.5
TREAZURE II	5.3	4.7	9.0	3.0	5.5
LONGFELLOW 3 (IS-FRC-33)	4.7	5.0	7.7	4.3	5.4
CASCADE	4.7	3.7	7.7	4.0	5.0
LACROSSE	4.3	5.0	6.7	4.0	5.0
LSD VALUE	1.2	2.1	1.6	1.2	0.8
C.V. (%)	15.3	25.1	12.0	17.8	17.3

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 14C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/					
NAME	MD1	NJ2	RI1	WA3	MEAN
ROSECITY (IS-FRR-51)	6.7	7.0	8.3	4.0	6.5
BOREAL	6.7	5.7	9.0	4.3	6.4
CHANTILLY (IS-FRR-62)	7.0	7.0	7.0	4.7	6.4
NAVIGATOR II (MVS-OS-1)	7.3	5.7	5.7	5.0	5.9
PSG-5RM	7.0	6.0	5.7	5.0	5.9
SHADEMASTER III (PST-48Y7)	7.0	5.7	5.7	5.0	5.8
ABERDEEN	6.3	4.7	7.7	4.3	5.8
EPIC	6.3	6.0	5.7	4.0	5.5
LSD VALUE	0.9	2.3	3.6	1.1	1.1
C.V. (%)	8.5	24.0	32.1	15.6	22.7

TABLE 14D. RED THREAD RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/					
NAME	MD1	NJ2	RI1	WA3	MEAN
SPARTAN II	8.3	8.3	9.0	6.3	8.0
BEACON (Z6300)	8.3	9.0	8.3	6.0	7.9
SWORD (NC-HF1)	8.3	7.7	8.3	6.3	7.7
PST-4HES	7.7	8.3	9.0	5.3	7.6
GOTHAM	8.3	8.0	8.3	5.3	7.5
BIGHORN GT (PST-4BU3)	8.3	6.7	9.0	5.0	7.3
LSD VALUE	0.9	1.4	1.3	1.2	0.6
C.V. (%)	7.0	10.6	9.4	13.0	9.9

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 15A. FALL COLOR (DECEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
SWORD (NC-HF1)	6.0
BEACON (Z6300)	5.7
BIGHORN GT (PST-4BU3)	5.7
SPARTAN II	5.3
FAIRMONT (TCD)	5.0
PST-4HES	5.0
GOTHAM	4.7
INTRIGUE 2	4.7
LONGFELLOW 3 (IS-FRC-33)	4.7
PSG-5RM	4.7
SHADEMASTER III (PST-48Y7)	4.7
BOREAL	4.3
PSG 50C3	4.3
ROSECITY (IS-FRR-51)	4.3
SHADOW III (PST-4CSD)	4.3
TREAZURE II	4.3
ABERDEEN	4.0
CASCADE	4.0
CHANTILLY (IS-FRR-62)	4.0
EPIC	4.0
LACROSSE	4.0
NAVIGATOR II (MVS-OS-1)	4.0
RADAR (MVS-FRC-101)	4.0
WRIGLEY 2 (IS-FRC-35)	4.0
ZODIAC	4.0
LSD VALUE	0.7
C.V. (%)	10.2

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 15B. FALL COLOR (DECEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
FAIRMONT (TCD)	5.0
INTRIGUE 2	4.7
LONGFELLOW 3 (IS-FRC-33)	4.7
PSG 50C3	4.3
SHADOW III (PST-4CSD)	4.3
TREAZURE II	4.3
CASCADE	4.0
LACROSSE	4.0
RADAR (MVS-FRC-101)	4.0
WRIGLEY 2 (IS-FRC-35)	4.0
ZODIAC	4.0
LSD VALUE	0.8
C.V. (%)	11.4

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 15C. FALL COLOR (DECEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
PSG-5RM	4.7
SHADEMASTER III (PST-48Y7)	4.7
BOREAL	4.3
ROSECITY (IS-FRR-51)	4.3
ABERDEEN	4.0
CHANTILLY (IS-FRR-62)	4.0
EPIC	4.0
NAVIGATOR II (MVS-QS-1)	4.0
LSD VALUE	0.7
C.V. (%)	9.6

TABLE 15D. FALL COLOR (DECEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

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

NAME	WA3
SWORD (NC-HF1)	6.0
BEACON (Z6300)	5.7
BIGHORN GT (PST-4BU3)	5.7
SPARTAN II	5.3
PST-4HES	5.0
GOTHAM	4.7
LSD VALUE	0.8
C.V. (%)	8.7

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 16A. POA ANNUA RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	RI1
BEACON (Z6300)	9.0
FAIRMONT (TCD)	9.0
LACROSSE	9.0
PSG 50C3	9.0
WRIGLEY 2 (IS-FRC-35)	9.0
ZODIAC	9.0
INTRIGUE 2	8.7
RADAR (MVS-FRC-101)	8.7
SWORD (NC-HF1)	8.7
SPARTAN II	8.3
TREAZURE II	8.3
CHANTILLY (IS-FRR-62)	8.0
PSG-5RM	8.0
LONGFELLOW 3 (IS-FRC-33)	7.3
SHADOW III (PST-4CSD)	7.3
CASCADE	7.0
BIGHORN GT (PST-4BU3)	6.0
GOTHAM	5.7
NAVIGATOR II (MVS-0S-1)	5.7
ROSECITY (IS-FRR-51)	5.7
PST-4HES	5.0
ABERDEEN	4.0
SHADEMASTER III (PST-48Y7)	4.0
EPIC	3.3
BOREAL	2.3
LSD VALUE	2.0
C.V. (%)	17.3

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 16B. POA ANNUA RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	RI1
FAIRMONT (TCD)	9.0
LACROSSE	9.0
PSG 50C3	9.0
WRIGLEY 2 (IS-FRC-35)	9.0
ZODIAC	9.0
INTRIGUE 2	8.7
RADAR (MVS-FRC-101)	8.7
TREAZURE II	8.3
LONGFELLOW 3 (IS-FRC-33)	7.3
SHADOW III (PST-4CSD)	7.3
CASCADE	7.0
LSD VALUE	1.7
C.V. (%)	12.8

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

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

TABLE 16C. POA ANNUA RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	RI1
CHANTILLY (IS-FRR-62)	8.0
PSG-5RM	8.0
NAVIGATOR II (MVS-0S-1)	5.7
ROSECITY (IS-FRR-51)	5.7
ABERDEEN	4.0
SHADEMASTER III (PST-48Y7)	4.0
EPIC	3.3
BOREAL	2.3
LSD VALUE	1.7
C.V. (%)	21.1

TABLE 16D. POA ANNUA RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	RI1
BEACON (Z6300)	9.0
SWORD (NC-HF1)	8.7
SPARTAN II	8.3
BIGHORN GT (PST-4BU3)	6.0
GOTHAM	5.7
PST-4HES	5.0
LSD VALUE	2.5
C.V. (%)	22.2

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 17A. DROUGHT STRESS RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
SPARTAN II	7.7
BEACON (Z6300)	7.0
GOTHAM	7.0
SWORD (NC-HF1)	7.0
BIGHORN GT (PST-4BU3)	6.3
PST-4HES	6.3
NAVIGATOR II (MVS-OS-1)	4.7
ABERDEEN	4.3
EPIC	4.3
CASCADE	4.0
CHANTILLY (IS-FRR-62)	4.0
LONGFELLOW 3 (IS-FRC-33)	4.0
PSG-5RM	4.0
RADAR (MVS-FRC-101)	4.0
ROSECITY (IS-FRR-51)	4.0
SHADEMASTER III (PST-48Y7)	4.0
BOREAL	3.7
LACROSSE	3.7
SHADOW III (PST-4CSD)	3.7
FAIRMONT (TCD)	3.3
PSG 50C3	3.3
TREAZURE II	3.3
WRIGLEY 2 (IS-FRC-35)	3.3
INTRIGUE 2	3.0
ZODIAC	2.7
LSD VALUE	1.4
C.V. (%)	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 17B. DROUGHT STRESS RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
CASCADE	4.0
LONGFELLOW 3 (IS-FRC-33)	4.0
RADAR (MVS-FRC-101)	4.0
LACROSSE	3.7
SHADOW III (PST-4CSD)	3.7
FAIRMONT (TCD)	3.3
PSG 50C3	3.3
TREAZURE II	3.3
WRIGLEY 2 (IS-FRC-35)	3.3
INTRIGUE 2	3.0
ZODIAC	2.7
LSD VALUE	1.5
C.V. (%)	26.4

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 17C. DROUGHT STRESS RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
NAVIGATOR II (MVS-OS-1)	4.7
ABERDEEN	4.3
EPIC	4.3
CHANTILLY (IS-FRR-62)	4.0
PSG-5RM	4.0
ROSECITY (IS-FRR-51)	4.0
SHADEMASTER III (PST-48Y7)	4.0
BOREAL	3.7
LSD VALUE	1.3
C.V. (%)	19.8

TABLE 17D. DROUGHT STRESS RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA

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

NAME	MD1
SPARTAN II	7.7
BEACON (Z6300)	7.0
GOTHAM	7.0
SWORD (NC-HF1)	7.0
BIGHORN GT (PST-4BU3)	6.3
PST-4HES	6.3
LSD VALUE	1.1
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 18A. PERCENT ANNUAL GRASS (AUGUST) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2013 DATA 2/

NAME	MD1
SHADEMASTER III (PST-48Y7)	46.7
ROSECITY (IS-FRR-51)	38.3
EPIC	31.7
LACROSSE	31.7
PSG-5RM	31.7
FAIRMONT (TCD)	30.0
ABERDEEN	28.3
BOREAL	28.3
RADAR (MVS-FRC-101)	25.0
CHANTILLY (IS-FRR-62)	24.0
NAVIGATOR II (MVS-OS-1)	22.3
WRIGLEY 2 (IS-FRC-35)	22.3
CASCADE	21.7
LONGFELLOW 3 (IS-FRC-33)	21.7
SHADOW III (PST-4CSD)	17.3
PSG 50C3	11.7
TREAZURE II	11.3
INTRIGUE 2	8.0
ZODIAC	6.7
GOTHAM	1.3
BIGHORN GT (PST-4BU3)	1.0
BEACON (Z6300)	0.7
PST-4HES	0.7
SPARTAN II	0.7
SWORD (NC-HF1)	0.7
LSD VALUE	14.3
C.V. (%)	47.8

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 18B. PERCENT ANNUAL GRASS (AUGUST) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2013 DATA 2/

NAME	MD1
LACROSSE	31.7
FAIRMONT (TCD)	30.0
RADAR (MVS-FRC-101)	25.0
WRIGLEY 2 (IS-FRC-35)	22.3
CASCADE	21.7
LONGFELLOW 3 (IS-FRC-33)	21.7
SHADOW III (PST-4CSD)	17.3
PSG 50C3	11.7
TREAZURE II	11.3
INTRIGUE 2	8.0
ZODIAC	6.7
LSD VALUE	11.0
C.V. (%)	36.4

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 18C. PERCENT ANNUAL GRASS (AUGUST) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2013 DATA 2/

NAME	MD1
SHADEMASTER III (PST-48Y7)	46.7
ROSECITY (IS-FRR-51)	38.3
EPIC	31.7
PSG-5RM	31.7
ABERDEEN	28.3
BOREAL	28.3
CHANTILLY (IS-FRR-62)	24.0
NAVIGATOR II (MVS-OS-1)	22.3
LSD VALUE	21.6
C.V. (%)	42.8

TABLE 18D. PERCENT ANNUAL GRASS (AUGUST) RATINGS OF HARD FESCUE CULTIVARS 1/
2013 DATA 2/

NAME	MD1
GOTHAM	1.3
BIGHORN GT (PST-4BU3)	1.0
BEACON (Z6300)	0.7
PST-4HES	0.7
SPARTAN II	0.7
SWORD (NC-HF1)	0.7
LSD VALUE	1.1
C.V. (%)	80.0

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.