

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 2001 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>.

**2014 NATIONAL FINELEAF FESCUE TEST
LOCATIONS SUBMITTING DATA FOR 2017**

State	Location	Code
California	Riverside (No Mowing)	CA3
California	San Francisco (California Golf Club)	CA5
Connecticut	Storrs	CT1
Connecticut	Storrs (Traffic Study)	CT1
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Indiana	West Lafayette (Fairway Mowing)	IN1
Massachusetts	Amherst (Traffic Study)	MA1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Michigan	East Lansing (Fairway Mowing)	MI2
Michigan	East Lansing (Fairway/Traffic)	MI3
Minnesota	St. Paul (Fairway Mowing)	MN1
Minnesota	St. Paul	MN2
Minnesota	St. Paul (Fairway Mowing/Traffic)	MN3
Missouri	Columbia	MO1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
North Dakota	Fargo	ND1
Oregon	Corvallis	OR1
Oregon	Corvallis (Traffic Study)	OR2
Quebec	Quebec City	QE1

**2014 NATIONAL FINELEAF FESCUE TEST
Entries and Sponsors**

Entry No.	Name	Species	Sponsor
1	Minimus	Hard Fescue	Landmark Turf & Native Seed
*2	Marvel	Strong Creeping Red	Landmark Turf & Native Seed
3	7C34	Strong Creeping Red	Brett Young Seeds Ltd
4	DLFPS-FL/3066	Hard Fescue	DLF Pickseed USA
5	DLFPS-FRC/3060	Chewings Fescue	DLF Pickseed USA
6	DLFPS-FL/3060	Hard Fescue	DLF Pickseed USA
7	DLFPS-FRR/3069	Strong Creeping Red	DLF Pickseed USA
8	MNHD-14	Hard Fescue	University of Minnesota
9	DLFPS-FRR/3068	Strong Creeping Red	DLF Pickseed USA
*10	Quatro	Sheep Fescue	Standard
*11	Boreal	Strong Creeping Red	Standard
*12	Gladiator (TH456)	Hard Fescue	Columbia River Seed
*13	Resolute (7H7)	Hard Fescue	SiteOne Landscape Supply
*14	Sword	Hard Fescue	Columbia River Seed
*15	Seabreeze GT	Slender Creeping Red	Standard
*16	Radar	Chewings Fescue	Standard
*17	Beacon	Hard Fescue	Standard
*18	Navigator II	Strong Creeping Red	Standard
*19	Jetty (PPG-FL 106)	Hard Fescue	Mountain View Seeds
*20	Momentum (PPG-FRC 114)	Chewings Fescue	The Scotts Company
*21	SeaMist (PPG-FRT 101)	Slender Creeping Red	Mountain View Seeds
*22	Cardinal II (PPG-FRR 111)	Strong Creeping Red	Mountain View Seeds
*23	Compass II (PPG-FRC 113)	Chewings Fescue	Mountain View Seeds
*24	Kent	Strong Creeping Red	Columbia Seeds
*25	Castle (RAD-FC32)	Chewings Fescue	Columbia Seeds
26	BAR FRT 5002	Slender Creeping Red	Barenbrug USA
27	BAR VV-VP3-CT	Chewings Fescue	Barenbrug USA
28	BAR 6FR 126	Chewings Fescue	Barenbrug USA
*29	Bolster (C14-OS3)	Chewings Fescue	The Scotts Company
30	RAD-FR33R	Strong Creeping Red	Brett Young Seed LTD
*31	RAD-FC44	Chewings Fescue	Bailey Seed Company
*32	RAD-FR47	Creeping Red Fescue	Bailey Seed Company
33	PST-4DR4	Creeping Red Fescue	Pure Seed Testing Inc.
34	PST-4RUE	Creeping Red Fescue	Pure Seed Testing Inc.
35	PST-4BEN	Creeping Red Fescue	Pure Seed Testing Inc.
36	PST-4BND	Hard Fescue	Pure Seed Testing Inc.
37	PST-4ED4	Creeping Red Fescue	DLF-Moore Seed, Inc.
38	DLFPS-FRC/3057	Chewings Fescue	DLF Pickseed USA
*39	Cascade	Chewings Fescue	Standard
40	DLF-FRC 3338	Chewings Fescue	DLF Pickseed USA
41	DLF-FRR 6162	Creeping Red Fescue	DLF Pickseed USA
*42	Beudin	Slender Creeping Red	DLF Pickseed USA

* Commercially Available in the USA in 2018

TABLE A.

2017 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2014 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
CA3	SANDY LOAM	7.1-7.5	61-150	151-240	1.1-2.0	FULL SUN	4.1+	TO PREVENT STRESS
CA5	SANDY LOAM	6.6-7.0	61-150	151-240	1.1-2.0	PARTIAL SHADE	0.0-0.5	ONLY DURING SEVERE STRESS
CT1	SANDY LOAM	5.6-6.0	0-60	0-150	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
CT2	SANDY LOAM	5.6-6.0	0-60	0-150	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	4.1-5.0	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
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	ONLY DURING SEVERE STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	1.1-2.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	3.1-3.5	NO IRRIGATION
MI1	-	-	-	-	-	-	-	-
MI2	-	-	-	-	-	-	-	-
MI3	-	-	-	-	-	-	-	-
MN1	SILTY CLAY LOAM	6.6-7.0	61-150	241-375	0.0-1.0	FULL SUN	0.0-0.5	NO IRRIGATION
MN2	SILTY CLAY LOAM	6.1-6.5	61-150	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
MN3	SILTY CLAY LOAM	6.6-7.0	61-150	241-375	0.0-1.0	FULL SUN	0.0-0.5	NO IRRIGATION
MO1	-	-	-	-	-	-	-	-
NC1	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	0.0-1.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
ND1	SILTY CLAY AND CLAY	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NJ1	LOAM	6.1-6.5	151-270	151-240	0.0-1.0	PARTIAL SHADE	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	0.0-1.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ3	LOAM	6.1-6.5	151-270	151-240	0.0-1.0	PARTIAL SHADE	2.1-2.5	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OR2	SILTY CLAY LOAM	5.6-6.0	61-150	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2017

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	LEAF TEXTURE
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
CA5	X	X	X	X	X	X	X	X	X	X	X	X	X		
CT1					X	X	X	X	X	X				X	
CT2					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				
IN1				X	X	X	X	X	X	X	X		X		
MA1			X	X	X	X	X	X	X	X				X	
MD1				X	X	X	X	X	X	X					
MI1					X	X	X	X	X	X			X	X	
MI2					X	X	X	X	X	X				X	
MI3					X	X	X	X	X	X				X	
MN1					X	X	X	X	X	X					
MN2					X	X	X	X	X	X			X		
MN3					X	X	X	X	X	X					
MO1				X	X	X	X	X	X	X	X		X		
NC1		X	X	X	X	X	X	X	X	X	X		X	X	X
ND1					X	X	X	X	X	X				X	
NJ1				X	X	X	X	X	X	X				X	
NJ2				X	X	X	X	X	X	X			X		
NJ3															
OR1	X	X	X	X	X	X	X	X	X	X	X	X			
OR2	X	X	X	X	X	X	X	X	X	X	X	X			
QE1					X	X	X	X	X	X			X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2017

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DOLLAR SPOT	RED THREAD	PINK SNOW MOLD	FALL COLOR OCTOBER	FALL COLOR DECEMBER	WEAR MAY	TOLERANCE JULY	SEP	BROWN PATCH JULY	AUGUST
CA3		X															
CA5	X	X	X					X		X	X	X					
CT1				X	X	X		X									
CT2				X	X	X		X									
IL1																	
IL2																	
IN1	X							X									
MA1								X	X				X	X	X		
MD1									X								
MI1																	
MI2					X	X											
MI3					X	X											
MN1				X	X	X											
MN2						X			X								
MN3				X	X	X											
MO1				X													
NC1	X	X	X	X	X	X	X									X	X
ND1	X	X	X	X	X	X											
NJ1				X													
NJ2																	
* NJ3																	
OR1				X	X	X											
OR2				X	X	X											
QE1					X												

* MORE DATA FOR NJ3 IN TABLE 9.

TABLE 1A.

TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2017 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	IL1	MI1	MO1	ND1	OR1	MEAN
DLFPS-FRC/3057	38	4.0	5.5	5.8	5.9	6.6	5.5
7C34	3	4.2	5.6	4.8	6.1	6.5	5.4
*COMPASS II (PPG-FRC 113)	23	3.8	5.4	5.8	5.7	6.5	5.4
PST-4BEN	35	4.1	5.8	4.6	6.1	6.5	5.4
*CARDINAL II (PPG-FRR 111)	22	4.1	5.6	4.7	5.9	6.4	5.3
*RADAR	16	3.8	5.2	5.9	5.5	6.4	5.3
*BOLSTER (C14-OS3)	29	3.7	5.4	5.5	5.6	6.4	5.3
*GLADIATOR (TH456)	12	3.8	6.4	3.5	6.3	6.6	5.3
DLF-FRC 3338	40	3.6	5.4	5.5	5.7	6.4	5.3
DLFPS-FRR/3068	9	4.1	5.5	4.6	6.0	6.4	5.3
PST-4RUE	34	4.1	5.7	4.4	6.0	6.4	5.3
DLFPS-FL/3066	4	3.6	6.4	3.5	6.4	6.6	5.3
RAD-FR33R	30	4.0	5.7	4.3	6.1	6.4	5.3
PST-4DR4	33	3.9	5.6	4.2	6.0	6.4	5.2
*RAD-FR47	32	3.9	5.6	4.2	6.0	6.3	5.2
DLF-FRR 6162	41	4.0	5.5	4.6	5.7	6.2	5.2
*RAD-FC44	31	3.5	5.4	5.0	5.7	6.4	5.2
*CASTLE (RAD-FC32)	25	3.4	5.4	5.0	5.8	6.4	5.2
*MOMENTUM (PPG-FRC 114)	20	3.5	5.2	5.5	5.4	6.3	5.2
*RESOLUTE (7H7)	13	3.5	6.4	3.2	6.2	6.5	5.2
MNHD-14	8	3.5	6.3	3.2	6.2	6.5	5.1
*JETTY (PPG-FL 106)	19	3.6	6.4	3.0	6.3	6.5	5.1
MINIMUS	1	3.8	6.3	3.2	6.0	6.3	5.1
DLFPS-FRC/3060	5	3.5	5.2	5.0	5.6	6.2	5.1
DLFPS-FL/3060	6	3.4	6.2	3.4	6.0	6.4	5.1
BAR VV-VP3-CT	27	3.1	5.4	4.7	5.7	6.3	5.1
*BEACON	17	3.5	6.2	3.1	6.1	6.4	5.1
PST-4BND	36	3.5	6.4	2.7	6.3	6.4	5.1
*MARVEL	2	3.7	5.5	4.0	5.9	6.2	5.0
*SEAMIST (PPG-FRT 101)	21	3.3	5.4	4.6	5.7	6.3	5.0
*KENT	24	3.7	5.5	3.9	5.9	6.2	5.0
*BEUDIN	42	3.4	5.8	3.6	6.1	6.3	5.0
BAR FRT 5002	26	3.3	5.6	3.8	6.0	6.3	5.0
DLFPS-FRR/3069	7	3.7	5.5	4.0	5.8	6.1	5.0
BAR 6FR 126	28	3.4	5.3	4.3	5.7	6.2	5.0
PST-4ED4	37	3.6	5.3	4.1	5.7	6.1	5.0
*NAVIGATOR II	18	3.7	5.2	4.2	5.5	6.0	4.9
*CASCADE	39	3.5	5.1	4.4	5.5	6.0	4.9
*SEABREEZE GT	15	3.3	5.6	3.5	5.9	6.1	4.9
*SWORD	14	3.2	5.9	3.2	5.9	6.2	4.9
*BOREAL	11	3.4	5.3	3.7	5.8	6.0	4.8
*QUATRO	10	3.3	5.7	3.3	5.7	6.1	4.8
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		13.8	8.9	11.9	8.5	7.9	9.7

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2018

**/ 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 */
 2017 DATA

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

NAME	IL1	MI1	MO1	ND1	OR1	MEAN
DLFPS-FRC/3057	4.0	5.5	5.8	5.9	6.6	5.5
COMPASS II (PPG-FRC 113)	3.8	5.4	5.8	5.7	6.5	5.4
RADAR	3.8	5.2	5.9	5.5	6.4	5.3
DLF-FRC 3338	3.6	5.4	5.5	5.7	6.4	5.3
BOLSTER (C14-OS3)	3.7	5.4	5.5	5.6	6.4	5.3
RAD-FC44	3.5	5.4	5.0	5.7	6.4	5.2
CASTLE (RAD-FC32)	3.4	5.4	5.0	5.8	6.4	5.2
MOMENTUM (PPG-FRC 114)	3.5	5.2	5.5	5.4	6.3	5.2
DLFPS-FRC/3060	3.5	5.2	5.0	5.6	6.2	5.1
BAR VV-VP3-CT	3.1	5.4	4.7	5.7	6.3	5.1
BAR 6FR 126	3.4	5.3	4.3	5.7	6.2	5.0
CASCADE	3.5	5.1	4.4	5.5	6.0	4.9
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	14.1	9.4	9.7	8.9	7.9	9.6

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

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

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

TABLE 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2017 DATA

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

NAME	IL1	MI1	MO1	ND1	OR1	MEAN
7C34	4.2	5.6	4.8	6.1	6.5	5.4
PST-4BEN	4.1	5.8	4.6	6.1	6.5	5.4
CARDINAL II (PPG-FRR 111)	4.1	5.6	4.7	5.9	6.4	5.3
DLFPS-FRR/3068	4.1	5.5	4.6	6.0	6.4	5.3
PST-4RUE	4.1	5.7	4.4	6.0	6.4	5.3
RAD-FR33R	4.0	5.7	4.3	6.1	6.4	5.3
PST-4DR4	3.9	5.6	4.2	6.0	6.4	5.2
RAD-FR47	3.9	5.6	4.2	6.0	6.3	5.2
DLF-FRR 6162	4.0	5.5	4.6	5.7	6.2	5.2
MARVEL	3.7	5.5	4.0	5.9	6.2	5.0
KENT	3.7	5.5	3.9	5.9	6.2	5.0
DLFPS-FRR/3069	3.7	5.5	4.0	5.8	6.1	5.0
PST-4ED4	3.6	5.3	4.1	5.7	6.1	5.0
NAVIGATOR II	3.7	5.2	4.2	5.5	6.0	4.9
BOREAL	3.4	5.3	3.7	5.8	6.0	4.8
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	13.0	9.1	11.5	8.5	8.0	9.7

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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 1D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2017 DATA

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

NAME	IL1	MI1	MO1	ND1	OR1	MEAN
GLADIATOR (TH456)	3.8	6.4	3.5	6.3	6.6	5.3
DLFPS-FL/3066	3.6	6.4	3.5	6.4	6.6	5.3
RESOLUTE (7H7)	3.5	6.4	3.2	6.2	6.5	5.2
MNHD-14	3.5	6.3	3.2	6.2	6.5	5.1
JETTY (PPG-FL 106)	3.6	6.4	3.0	6.3	6.5	5.1
MINIMUS	3.8	6.3	3.2	6.0	6.3	5.1
DLFPS-FL/3060	3.4	6.2	3.4	6.0	6.4	5.1
BEACON	3.5	6.2	3.1	6.1	6.4	5.1
PST-4BND	3.5	6.4	2.7	6.3	6.4	5.1
SWORD	3.2	5.9	3.2	5.9	6.2	4.9
QUATRO	3.3	5.7	3.3	5.7	6.1	4.8
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	14.3	8.1	15.5	8.2	7.8	9.8

TABLE 1E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2017 DATA

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

NAME	IL1	MI1	MO1	ND1	OR1	MEAN
SEAMIST (PPG-FRT 101)	3.3	5.4	4.6	5.7	6.3	5.0
BAR FRT 5002	3.3	5.6	3.8	6.0	6.3	5.0
BEUDIN	3.4	5.8	3.6	6.1	6.3	5.0
SEABREEZE GT	3.3	5.6	3.5	5.9	6.1	4.9
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	15.1	9.0	12.7	8.6	8.0	10.1

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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 IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2017 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ2	NC1	MN2	QE1	MEAN
MINIMUS	4.1	5.3	7.0	6.2	6.6	5.8
MOMENTUM (PPG-FRC 114)	7.6	4.0	5.9	5.6	6.0	5.8
BOLSTER (C14-OS3)	7.3	4.0	6.4	5.5	5.9	5.8
RADAR	7.6	3.6	7.0	5.2	5.6	5.8
COMPASS II (PPG-FRC 113)	7.6	3.8	5.8	5.5	5.8	5.7
DLF-FRC 3338	7.5	4.0	5.3	5.7	6.0	5.7
RAD-FC44	7.1	3.4	6.2	5.3	5.4	5.5
DLFPS-FRC/3057	7.4	3.7	4.7	5.3	5.7	5.4
SEAMIST (PPG-FRT 101)	6.6	3.7	5.4	5.5	5.6	5.4
DLFPS-FL/3060	5.2	5.4	2.4	6.6	7.0	5.3
BAR VV-VP3-CT	7.2	3.6	4.4	5.6	5.6	5.3
GLADIATOR (TH456)	4.8	5.1	3.2	6.3	6.7	5.2
CASTLE (RAD-FC32)	7.1	3.4	4.2	5.3	5.4	5.1
BEACON	4.6	5.2	2.5	6.4	6.7	5.1
DLFPS-FL/3066	5.1	5.3	1.0	6.6	7.0	5.0
RESOLUTE (7H7)	4.6	5.4	1.5	6.5	7.0	5.0
DLFPS-FRC/3060	6.7	3.6	3.8	5.2	5.6	5.0
DLF-FRR 6162	5.2	3.1	6.8	4.5	4.8	4.9
CARDINAL II (PPG-FRR 111)	5.4	3.1	6.4	4.6	4.8	4.9
JETTY (PPG-FL 106)	4.3	5.2	1.0	6.4	6.8	4.8
MNHD-14	4.7	5.0	1.0	6.3	6.7	4.7
PST-4BEN	5.3	3.2	5.5	4.7	4.9	4.7
SWORD	4.8	4.9	1.0	6.2	6.6	4.7
CASCADE	5.6	2.9	5.3	4.5	4.7	4.6
PST-4RUE	5.0	2.9	5.4	4.4	4.6	4.4
QUATRO	4.5	4.0	2.6	5.4	5.7	4.4
7C34	5.5	2.8	4.6	4.4	4.6	4.4
BAR FRT 5002	5.4	3.1	3.4	5.0	4.9	4.4
PST-4BND	3.9	4.7	1.1	6.0	6.2	4.4
MARVEL	5.0	2.7	5.4	4.3	4.4	4.3
DLFPS-FRR/3068	5.3	2.7	4.9	4.2	4.4	4.3
DLFPS-FRR/3069	4.8	2.8	5.0	4.4	4.5	4.3
PST-4DR4	5.0	2.9	4.4	4.5	4.6	4.3
BAR 6FR 126	5.9	3.1	2.4	4.9	5.1	4.3
SEABREEZE GT	4.9	3.1	3.5	4.9	4.9	4.3
NAVIGATOR II	4.9	2.6	5.2	4.1	4.3	4.2
RAD-FR33R	5.0	2.6	4.9	4.3	4.4	4.2
KENT	4.7	2.6	5.3	4.2	4.3	4.2
BEUDIN	5.2	3.2	2.2	5.0	5.0	4.1
PST-4ED4	4.9	2.8	3.0	4.4	4.6	3.9
RAD-FR47	4.8	2.5	3.7	4.1	4.2	3.8
BOREAL	4.8	2.4	2.4	4.1	4.2	3.6
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.0	13.7	12.1	9.6	9.2	10.5

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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 IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	CT1	NJ2	NC1	MN2	QE1	MEAN
MOMENTUM (PPG-FRC 114)	7.6	4.0	5.9	5.6	6.0	5.8
RADAR	7.6	3.6	7.0	5.2	5.6	5.8
BOLSTER (C14-OS3)	7.3	4.0	6.4	5.5	5.9	5.8
COMPASS II (PPG-FRC 113)	7.6	3.8	5.8	5.5	5.8	5.7
DLF-FRC 3338	7.5	4.0	5.3	5.7	6.0	5.7
RAD-FC44	7.1	3.4	6.2	5.3	5.4	5.5
DLFPS-FRC/3057	7.4	3.7	4.7	5.3	5.7	5.4
BAR VV-VP3-CT	7.2	3.6	4.4	5.6	5.6	5.3
CASTLE (RAD-FC32)	7.1	3.4	4.2	5.3	5.4	5.1
DLFPS-FRC/3060	6.7	3.6	3.8	5.2	5.6	5.0
CASCADE	5.6	2.9	5.3	4.5	4.7	4.6
BAR 6FR 126	5.9	3.1	2.4	4.9	5.1	4.3
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	7.1	14.0	10.0	9.5	9.1	9.5

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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 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2017 DATA

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

NAME	CT1	NJ2	NC1	MN2	QE1	MEAN
DLF-FRR 6162	5.2	3.1	6.8	4.5	4.8	4.9
CARDINAL II (PPG-FRR 111)	5.4	3.1	6.4	4.6	4.8	4.9
PST-4BEN	5.3	3.2	5.5	4.7	4.9	4.7
PST-4RUE	5.0	2.9	5.4	4.4	4.6	4.4
7C34	5.5	2.8	4.6	4.4	4.6	4.4
MARVEL	5.0	2.7	5.4	4.3	4.4	4.3
DLFPS-FRR/3068	5.3	2.7	4.9	4.2	4.4	4.3
DLFPS-FRR/3069	4.8	2.8	5.0	4.4	4.5	4.3
PST-4DR4	5.0	2.9	4.4	4.5	4.6	4.3
NAVIGATOR II	4.9	2.6	5.2	4.1	4.3	4.2
RAD-FR33R	5.0	2.6	4.9	4.3	4.4	4.2
KENT	4.7	2.6	5.3	4.2	4.3	4.2
PST-4ED4	4.9	2.8	3.0	4.4	4.6	3.9
RAD-FR47	4.8	2.5	3.7	4.1	4.2	3.8
BOREAL	4.8	2.4	2.4	4.1	4.2	3.6
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.7	17.6	10.1	11.3	10.9	11.4

*/ 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 2D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

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

NAME	CT1	NJ2	NC1	MN2	QE1	MEAN
MINIMUS	4.1	5.3	7.0	6.2	6.6	5.8
DLFPS-FL/3060	5.2	5.4	2.4	6.6	7.0	5.3
GLADIATOR (TH456)	4.8	5.1	3.2	6.3	6.7	5.2
BEACON	4.6	5.2	2.5	6.4	6.7	5.1
DLFPS-FL/3066	5.1	5.3	1.0	6.6	7.0	5.0
RESOLUTE (7H7)	4.6	5.4	1.5	6.5	7.0	5.0
JETTY (PPG-FL 106)	4.3	5.2	1.0	6.4	6.8	4.8
MNHD-14	4.7	5.0	1.0	6.3	6.7	4.7
SWORD	4.8	4.9	1.0	6.2	6.6	4.7
QUATRO	4.5	4.0	2.6	5.4	5.7	4.4
PST-4BND	3.9	4.7	1.1	6.0	6.2	4.4
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	10.8	10.2	22.7	8.1	7.7	10.3

TABLE 2E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

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

NAME	CT1	NJ2	NC1	MN2	QE1	MEAN
SEAMIST (PPG-FRT 101)	6.6	3.7	5.4	5.5	5.6	5.4
BAR FRT 5002	5.4	3.1	3.4	5.0	4.9	4.4
SEABREEZE GT	4.9	3.1	3.5	4.9	4.9	4.3
BEUDIN	5.2	3.2	2.2	5.0	5.0	4.1
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	8.8	15.1	12.1	9.8	9.8	10.7

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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 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2017 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	MD1	MEAN
RESOLUTE (7H7)	8.5	5.9	7.2
JETTY (PPG-FL 106)	8.4	5.8	7.1
GLADIATOR (TH456)	8.4	5.5	6.9
MNHD-14	8.1	5.6	6.9
DLFPS-FL/3066	7.8	5.8	6.8
SWORD	8.0	5.6	6.8
BEACON	7.8	5.6	6.7
MINIMUS	8.1	5.2	6.7
DLFPS-FL/3060	7.5	5.8	6.7
DLFPS-FRC/3057	8.4	4.1	6.3
RADAR	8.1	3.9	6.0
COMPASS II (PPG-FRC 113)	7.6	4.1	5.9
PST-4BND	6.8	4.9	5.8
QUATRO	7.4	4.3	5.8
DLFPS-FRC/3060	7.6	4.0	5.8
DLF-FRC 3338	7.3	4.3	5.8
BOLSTER (C14-OS3)	7.4	4.1	5.8
MOMENTUM (PPG-FRC 114)	7.1	4.2	5.7
7C34	8.1	2.9	5.5
CARDINAL II (PPG-FRR 111)	7.8	3.0	5.4
PST-4ED4	7.6	3.0	5.3
DLF-FRR 6162	7.6	2.9	5.3
PST-4BEN	7.4	3.1	5.3
DLFPS-FRR/3068	7.5	2.6	5.1
PST-4RUE	7.1	2.7	4.9
PST-4DR4	6.9	2.8	4.8
NAVIGATOR II	7.2	2.5	4.8
BAR 6FR 126	6.2	3.3	4.8
RAD-FR47	6.7	2.3	4.5
CASCADE	6.2	2.8	4.5
DLFPS-FRR/3069	6.0	2.5	4.2
CASTLE (RAD-FC32)	5.0	3.4	4.2
RAD-FR33R	5.6	2.2	3.9
SEAMIST (PPG-FRT 101)	4.2	3.4	3.8
BOREAL	5.1	2.2	3.7
KENT	5.1	2.1	3.6
RAD-FC44	4.0	3.0	3.5
MARVEL	4.8	2.1	3.5
SEABREEZE GT	3.9	2.7	3.3
BEUDIN	3.6	2.9	3.3
BAR VV-VP3-CT	2.7	3.2	3.0
BAR FRT 5002	2.8	2.5	2.7
LSD VALUE	0.8	0.8	0.8
C.V. (%)	7.5	13.6	9.7

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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 IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2017 DATA

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

NAME	NJ1	MD1	MEAN
DLFPS-FRC/3057	8.4	4.1	6.3
RADAR	8.1	3.9	6.0
COMPASS II (PPG-FRC 113)	7.6	4.1	5.9
DLFPS-FRC/3060	7.6	4.0	5.8
DLF-FRC 3338	7.3	4.3	5.8
BOLSTER (BOLSTER (C14-OS3)	7.4	4.1	5.8
MOMENTUM (PPG-FRC 114)	7.1	4.2	5.7
BAR 6FR 126	6.2	3.3	4.8
CASCADE	6.2	2.8	4.5
CASTLE (RAD-FC32)	5.0	3.4	4.2
RAD-FC44	4.0	3.0	3.5
BAR VV-VP3-CT	2.7	3.2	3.0
MEAN	6.4	3.7	5.0
LSD VALUE	0.8	0.8	0.8
C.V. (%)	7.8	13.6	10.0

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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 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2017 DATA

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

NAME	NJ1	MD1	MEAN
7C34	8.1	2.9	5.5
CARDINAL II (PPG-FRR 111)	7.8	3.0	5.4
PST-4ED4	7.6	3.0	5.3
DLF-FRR 6162	7.6	2.9	5.3
PST-4BEN	7.4	3.1	5.3
DLFPS-FRR/3068	7.5	2.6	5.1
PST-4RUE	7.1	2.7	4.9
PST-4DR4	6.9	2.8	4.8
NAVIGATOR II	7.2	2.5	4.8
RAD-FR47	6.7	2.3	4.5
DLFPS-FRR/3069	6.0	2.5	4.2
RAD-FR33R	5.6	2.2	3.9
BOREAL	5.1	2.2	3.7
KENT	5.1	2.1	3.6
MARVEL	4.8	2.1	3.5
LSD VALUE	0.8	0.8	0.8
C.V. (%)	7.4	18.6	10.6

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

TABLE 3D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2017 DATA

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

NAME	NJ1	MD1	MEAN
RESOLUTE (7H7)	8.5	5.9	7.2
JETTY (PPG-FL 106)	8.4	5.8	7.1
GLADIATOR (TH456)	8.4	5.5	6.9
MNHD-14	8.1	5.6	6.9
DLFPS-FL/3066	7.8	5.8	6.8
SWORD	8.0	5.6	6.8
BEACON	7.8	5.6	6.7
MINIMUS	8.1	5.2	6.7
DLFPS-FL/3060	7.5	5.8	6.7
PST-4BND	6.8	4.9	5.8
QUATRO	7.4	4.3	5.8
LSD VALUE	0.8	0.8	0.8
C.V. (%)	6.6	9.6	7.8

TABLE 3E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2017 DATA

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

NAME	NJ1	MD1	MEAN
SEAMIST (PPG-FRT 101)	4.2	3.4	3.8
SEABREEZE GT	3.9	2.7	3.3
BEUDIN	3.6	2.9	3.3
BAR FRT 5002	2.8	2.5	2.7
LSD VALUE	0.8	0.8	0.8
C.V. (%)	13.8	17.2	15.3

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

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

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

TABLE 4A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN AS A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
BOLSTER (C14-OS3)	7.0	5.4	7.8	6.7
SEAMIST (PPG-FRT 101)	6.6	5.8	6.8	6.4
COMPASS II (PPG-FRC 113)	6.3	5.5	7.1	6.3
DLF-FRC 3338	6.6	5.5	6.6	6.2
RESOLUTE (7H7)	5.3	6.0	7.4	6.2
DLFPS-FRC/3057	6.3	5.2	6.9	6.1
JETTY (PPG-FL 106)	5.3	5.9	6.7	6.0
RADAR	6.4	4.8	6.8	6.0
RAD-FC44	6.1	4.9	7.0	6.0
CASTLE (RAD-FC32)	6.1	4.7	7.1	6.0
DLFPS-FL/3060	5.2	5.8	6.8	6.0
GLADIATOR (TH456)	5.9	5.6	6.4	6.0
MOMENTUM (PPG-FRC 114)	6.2	5.4	6.2	5.9
DLFPS-FRC/3060	6.1	5.1	6.6	5.9
BAR VV-VP3-CT	5.7	5.4	6.5	5.9
MNHD-14	5.4	5.8	6.3	5.8
SWORD	5.0	5.9	6.3	5.8
DLFPS-FL/3066	5.1	5.6	6.7	5.8
BEACON	5.1	5.6	6.4	5.7
BAR 6FR 126	5.1	4.8	7.2	5.7
MINIMUS	5.0	5.7	6.0	5.5
CARDINAL II (PPG-FRR 111)	6.3	5.3	4.9	5.5
QUATRO	5.0	6.1	5.4	5.5
BAR FRT 5002	4.7	4.3	7.1	5.3
DLF-FRR 6162	5.7	5.2	4.8	5.2
7C34	5.5	5.0	5.2	5.2
CASCADE	5.4	4.9	5.4	5.2
SEABREEZE GT	5.4	4.7	5.2	5.1
DLFPS-FRR/3069	5.4	4.6	5.0	5.0
PST-4ED4	4.7	5.5	4.8	5.0
DLFPS-FRR/3068	5.4	4.6	5.0	5.0
MARVEL	5.2	4.8	4.9	5.0
BEUDIN	4.5	4.3	6.1	5.0
NAVIGATOR II	5.6	4.4	4.8	4.9
PST-4BEN	5.4	5.1	4.3	4.9
PST-4BND	4.5	5.2	5.0	4.9
PST-4DR4	5.3	4.8	4.6	4.9
KENT	5.5	4.4	4.6	4.8
RAD-FR33R	5.2	4.7	4.5	4.8
RAD-FR47	4.9	4.7	4.3	4.7
PST-4RUE	4.7	4.8	4.2	4.6
BOREAL	4.3	4.1	4.0	4.1
LSD VALUE	1.1	0.6	0.9	0.5
C.V. (%)	12.5	7.3	9.6	10.1

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 4B.

MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AS A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
BOLSTER (C14-OS3)	7.0	5.4	7.8	6.7
COMPASS II (PPG-FRC 113)	6.3	5.5	7.1	6.3
DLF-FRC 3338	6.6	5.5	6.6	6.2
DLFPS-FRC/3057	6.3	5.2	6.9	6.1
RADAR	6.4	4.8	6.8	6.0
RAD-FC44	6.1	4.9	7.0	6.0
CASTLE (RAD-FC32)	6.1	4.7	7.1	6.0
PPG-FRC 114	6.2	5.4	6.2	5.9
DLFPS-FRC/3060	6.1	5.1	6.6	5.9
BAR VV-VP3-CT	5.7	5.4	6.5	5.9
BAR 6FR 126	5.1	4.8	7.2	5.7
CASCADE	5.4	4.9	5.4	5.2
LSD VALUE	1.1	0.6	1.2	0.6
C.V. (%)	11.7	7.2	10.7	10.4

- 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 4C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AS A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
NAME	IN1	MI2	MN1	MEAN
CARDINAL II (PPG-FRR 111)	6.3	5.3	4.9	5.5
DLF-FRR 6162	5.7	5.2	4.8	5.2
7C34	5.5	5.0	5.2	5.2
DLFPS-FRR/3069	5.4	4.6	5.0	5.0
PST-4ED4	4.7	5.5	4.8	5.0
DLFPS-FRR/3068	5.4	4.6	5.0	5.0
MARVEL	5.2	4.8	4.9	5.0
NAVIGATOR II	5.6	4.4	4.8	4.9
PST-4BEN	5.4	5.1	4.3	4.9
PST-4DR4	5.3	4.8	4.6	4.9
KENT	5.5	4.4	4.6	4.8
RAD-FR33R	5.2	4.7	4.5	4.8
RAD-FR47	4.9	4.7	4.3	4.7
PST-4RUE	4.7	4.8	4.2	4.6
BOREAL	4.3	4.1	4.0	4.1
LSD VALUE	0.9	0.6	0.6	0.4
C.V. (%)	10.6	7.9	8.2	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 4D. MEAN TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN AS A FAIRWAY AT THREE LOCATIONS IN THE U.S. 2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
RESOLUTE (7H7)	5.3	6.0	7.4	6.2
JETTY (PPG-FL 106)	5.3	5.9	6.7	6.0
DLFPS-FL/3060	5.2	5.8	6.8	6.0
GLADIATOR (TH456)	5.9	5.6	6.4	6.0
MNHD-14	5.4	5.8	6.3	5.8
SWORD	5.0	5.9	6.3	5.8
DLFPS-FL/3066	5.1	5.6	6.7	5.8
BEACON	5.1	5.6	6.4	5.7
MINIMUS	5.0	5.7	6.0	5.5
QUATRO	5.0	6.1	5.4	5.5
PST-4BND	4.5	5.2	5.0	4.9
LSD VALUE	1.4	0.5	1.0	0.6
C.V. (%)	15.8	5.6	10.3	10.9

TABLE 4E. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN AS A FAIRWAY AT THREE LOCATIONS IN THE U.S. 2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
SEAMIST (PPG-FRT 101)	6.6	5.8	6.8	6.4
BAR FRT 5002	4.7	4.3	7.1	5.3
SEABREEZE GT	5.4	4.7	5.2	5.1
BEUDIN	4.5	4.3	6.1	5.0
LSD VALUE	1.1	0.8	0.4	0.5
C.V. (%)	12.0	10.3	4.1	8.8

- 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 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			DOLLAR SPOT	MAY	JUN	QUALITY RATINGS				MEAN
		SPRING	SUMMER	FALL				JUL	AUG	SEP	OCT	
BAR VV-VP3-CT	6.7	99.0	93.0	99.0	9.0	7.0	7.0	6.3	7.0	5.7	7.7	6.8
BOLSTER (C14-OS3)	7.0	99.0	91.7	91.0	9.0	7.3	7.7	7.0	6.7	5.7	6.3	6.8
RADAR	7.7	99.0	90.0	98.7	8.7	7.3	7.0	7.0	6.7	5.3	7.0	6.7
DLFPS-FRC/3057	7.7	99.0	90.0	92.7	9.0	7.0	7.3	6.3	6.3	5.0	6.3	6.4
MOMENTUM (PPG-FRC 114)	7.7	97.7	81.7	89.7	9.0	7.3	6.7	6.0	5.7	6.0	6.0	6.3
COMPASS II (PPG-FRC 113)	7.3	99.0	83.3	96.0	9.0	7.7	6.7	6.3	5.3	4.7	6.3	6.2
CASTLE (RAD-FC32)	6.7	96.0	90.0	91.7	8.7	7.3	7.3	4.7	5.7	5.3	6.3	6.1
DLF-FRC 3338	7.0	97.7	73.3	87.7	8.7	6.7	7.0	6.0	5.7	4.7	6.0	6.0
DLFPS-FRC/3060	7.7	97.7	76.7	79.7	9.0	6.3	6.3	6.3	5.7	4.7	6.0	5.9
SEAMIST (PPG-FRT 101)	6.0	97.7	75.0	91.0	9.0	7.0	6.7	5.7	5.7	4.7	6.0	5.9
RAD-FC44	6.7	92.7	68.3	83.3	8.7	5.7	6.7	5.3	4.7	4.3	5.0	5.3
7C34	5.0	96.3	63.3	80.0	6.7	5.0	6.0	5.7	4.7	4.3	5.0	5.1
CASCADE	6.3	84.7	71.7	88.3	9.0	5.3	5.7	4.7	5.3	4.7	5.0	5.1
DLF-FRR 6162	4.3	90.0	73.3	75.0	5.7	5.0	5.7	5.3	4.7	4.3	5.0	5.0
DLFPS-FRR/3068	4.0	88.3	76.7	75.0	7.3	4.7	6.0	5.0	4.7	4.3	4.0	4.8
MARVEL	4.7	88.3	68.3	73.3	6.0	5.3	6.0	4.3	4.3	4.3	4.7	4.8
NAVIGATOR II	4.7	86.7	70.0	83.3	8.0	4.7	5.3	4.7	4.7	4.3	5.0	4.8
QUATRO	6.0	83.3	76.7	90.3	9.0	4.3	4.3	4.3	5.0	4.7	5.3	4.7
SEABREEZE GT	6.0	89.7	70.0	73.3	7.7	5.0	5.3	4.7	4.3	4.3	4.7	4.7
CARDINAL II (PPG-FRR 111)	5.0	75.0	75.0	80.0	6.3	4.7	5.0	4.7	4.3	4.3	4.3	4.6
PST-4BEN	4.0	90.0	68.3	51.7	6.7	5.0	5.0	5.0	4.0	4.0	4.3	4.6
RAD-FR33R	3.7	83.3	60.0	68.3	6.0	5.0	5.3	5.0	4.0	4.0	4.3	4.6
KENT	4.3	80.0	63.3	55.0	7.3	5.0	4.3	4.7	4.0	4.3	4.3	4.4
PST-4DR4	4.3	85.0	56.7	66.7	6.7	5.0	5.0	4.7	4.0	3.7	4.3	4.4
BAR FRT 5002	5.3	84.7	68.3	58.3	9.0	5.0	5.7	4.0	4.0	3.7	3.7	4.3
DLFPS-FRR/3069	4.7	86.7	66.7	53.3	6.3	4.7	5.0	4.7	3.7	4.0	4.0	4.3
RAD-FR47	5.0	86.7	63.3	61.7	7.0	5.0	5.0	5.0	4.0	3.3	3.7	4.3
BAR 6FR 126	6.7	79.7	56.7	38.3	9.0	5.3	5.7	4.7	3.7	2.7	3.0	4.2
BEUDIN	5.3	73.0	56.7	51.7	7.7	4.3	4.7	4.7	4.0	3.0	4.0	4.1
BOREAL	4.3	75.0	61.7	70.0	6.0	4.3	4.7	4.3	3.7	3.7	4.0	4.1
PST-4RUE	3.7	73.3	51.7	60.0	7.0	4.3	4.7	4.3	4.0	3.3	4.0	4.1
PST-4ED4	4.3	88.3	56.7	63.3	5.0	4.7	4.7	4.0	3.3	3.3	4.0	4.0
JETTY (PPG-FL 106)	5.7	48.3	33.3	50.0	8.3	3.7	4.0	3.3	2.7	3.3	4.0	3.5
MNHD-14	5.7	53.0	36.7	51.7	9.0	3.7	4.0	3.0	3.0	3.0	3.7	3.4
RESOLUTE (7H7)	5.3	55.0	33.3	31.0	8.0	3.3	3.3	3.3	3.0	3.7	3.7	3.4
DLFPS-FL/3060	4.7	53.3	31.7	40.0	9.0	3.7	4.0	3.0	3.0	3.0	3.3	3.3
DLFPS-FL/3066	5.7	56.7	33.3	35.0	9.0	3.7	3.7	3.3	2.3	3.0	3.3	3.2
SWORD	5.0	58.3	36.7	36.7	9.0	3.7	4.0	3.0	2.3	2.7	3.3	3.2
BEACON	4.7	53.3	35.0	41.0	8.5	3.7	3.0	3.3	2.3	3.0	3.0	3.1
MINIMUS	4.7	41.7	18.3	26.7	.	3.3	2.3	3.3	2.0	2.3	2.7	2.7
GLADIATOR (TH456)	4.7	41.7	26.7	33.3	9.0	3.0	2.7	2.7	2.3	2.3	2.7	2.6
PST-4BND	3.7	44.0	20.0	16.7	8.0	3.0	3.0	2.3	2.0	2.0	2.3	2.4
LSD VALUE	1.6	23.8	21.5	31.9	1.7	1.3	1.3	0.9	1.3	1.3	1.5	0.9
C.V. (%)	17.7	18.3	22.3	29.0	12.0	16.6	16.7	13.2	19.6	19.4	20.1	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 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			DOLLAR SPOT	MAY	JUN	QUALITY RATINGS				MEAN
		SPRING	SUMMER	FALL				JUL	AUG	SEP	OCT	
BAR VV-VP3-CT	6.7	99.0	93.0	99.0	9.0	7.0	7.0	6.3	7.0	5.7	7.7	6.8
BOLSTER (C14-OS3)	7.0	99.0	91.7	91.0	9.0	7.3	7.7	7.0	6.7	5.7	6.3	6.8
RADAR	7.7	99.0	90.0	98.7	8.7	7.3	7.0	7.0	6.7	5.3	7.0	6.7
DLFPS-FRC/3057	7.7	99.0	90.0	92.7	9.0	7.0	7.3	6.3	6.3	5.0	6.3	6.4
PPG-FRC 114	7.7	97.7	81.7	89.7	9.0	7.3	6.7	6.0	5.7	6.0	6.0	6.3
COMPASS II (PPG-FRC 113)	7.3	99.0	83.3	96.0	9.0	7.7	6.7	6.3	5.3	4.7	6.3	6.2
CASTLE (RAD-FC32)	6.7	96.0	90.0	91.7	8.7	7.3	7.3	4.7	5.7	5.3	6.3	6.1
DLF-FRC 3338	7.0	97.7	73.3	87.7	8.7	6.7	7.0	6.0	5.7	4.7	6.0	6.0
DLFPS-FRC/3060	7.7	97.7	76.7	79.7	9.0	6.3	6.3	6.3	5.7	4.7	6.0	5.9
RAD-FC44	6.7	92.7	68.3	83.3	8.7	5.7	6.7	5.3	4.7	4.3	5.0	5.3
CASCADE	6.3	84.7	71.7	88.3	9.0	5.3	5.7	4.7	5.3	4.7	5.0	5.1
BAR 6FR 126	6.7	79.7	56.7	38.3	9.0	5.3	5.7	4.7	3.7	2.7	3.0	4.2
LSD VALUE	2.6	20.4	16.1	18.6	0.9	2.4	1.7	1.0	1.1	1.2	1.3	0.9
C.V. (%)	13.3	9.2	11.3	12.8	3.7	16.0	11.3	10.4	11.2	13.8	13.1	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 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2017 DATA

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

NAME	SPRING	PERCENT GROUND COVER			DOLLAR	QUALITY RATINGS						MEAN
	GREENUP	SPRING	SUMMER	FALL	SPOT	MAY	JUN	JUL	AUG	SEP	OCT	
7C34	5.0	96.3	63.3	80.0	6.7	5.0	6.0	5.7	4.7	4.3	5.0	5.1
DLF-FRR 6162	4.3	90.0	73.3	75.0	5.7	5.0	5.7	5.3	4.7	4.3	5.0	5.0
DLFPS-FRR/3068	4.0	88.3	76.7	75.0	7.3	4.7	6.0	5.0	4.7	4.3	4.0	4.8
MARVEL	4.7	88.3	68.3	73.3	6.0	5.3	6.0	4.3	4.3	4.3	4.7	4.8
NAVIGATOR II	4.7	86.7	70.0	83.3	8.0	4.7	5.3	4.7	4.7	4.3	5.0	4.8
CARDINAL II (PPG-FRR 111)	5.0	75.0	75.0	80.0	6.3	4.7	5.0	4.7	4.3	4.3	4.3	4.6
PST-4BEN	4.0	90.0	68.3	51.7	6.7	5.0	5.0	5.0	4.0	4.0	4.3	4.6
RAD-FR33R	3.7	83.3	60.0	68.3	6.0	5.0	5.3	5.0	4.0	4.0	4.3	4.6
KENT	4.3	80.0	63.3	55.0	7.3	5.0	4.3	4.7	4.0	4.3	4.3	4.4
PST-4DR4	4.3	85.0	56.7	66.7	6.7	5.0	5.0	4.7	4.0	3.7	4.3	4.4
DLFPS-FRR/3069	4.7	86.7	66.7	53.3	6.3	4.7	5.0	4.7	3.7	4.0	4.0	4.3
RAD-FR47	5.0	86.7	63.3	61.7	7.0	5.0	5.0	5.0	4.0	3.3	3.7	4.3
BOREAL	4.3	75.0	61.7	70.0	6.0	4.3	4.7	4.3	3.7	3.7	4.0	4.1
PST-4RUE	3.7	73.3	51.7	60.0	7.0	4.3	4.7	4.3	4.0	3.3	4.0	4.1
PST-4ED4	4.3	88.3	56.7	63.3	5.0	4.7	4.7	4.0	3.3	3.3	4.0	4.0
LSD VALUE	1.0	13.6	19.4	44.4	4.0	1.5	0.9	0.9	1.3	1.8	1.8	0.5
C.V. (%)	11.4	8.1	13.6	24.3	20.6	10.5	9.4	9.8	13.6	16.7	15.8	6.7

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

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

TABLE 5D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			DOLLAR SPOT	QUALITY RATINGS						MEAN
		SPRING	SUMMER	FALL		MAY	JUN	JUL	AUG	SEP	OCT	
QUATRO	6.0	83.3	76.7	90.3	9.0	4.3	4.3	4.3	5.0	4.7	5.3	4.7
JETTY (PPG-FL 106)	5.7	48.3	33.3	50.0	8.3	3.7	4.0	3.3	2.7	3.3	4.0	3.5
MNHD-14	5.7	53.0	36.7	51.7	9.0	3.7	4.0	3.0	3.0	3.0	3.7	3.4
RESOLUTE (7H7)	5.3	55.0	33.3	31.0	8.0	3.3	3.3	3.3	3.0	3.7	3.7	3.4
DLFPS-FL/3060	4.7	53.3	31.7	40.0	9.0	3.7	4.0	3.0	3.0	3.0	3.3	3.3
DLFPS-FL/3066	5.7	56.7	33.3	35.0	9.0	3.7	3.7	3.3	2.3	3.0	3.3	3.2
SWORD	5.0	58.3	36.7	36.7	9.0	3.7	4.0	3.0	2.3	2.7	3.3	3.2
BEACON	4.7	53.3	35.0	41.0	8.5	3.7	3.0	3.3	2.3	3.0	3.0	3.1
MINIMUS	4.7	41.7	18.3	26.7	.	3.3	2.3	3.3	2.0	2.3	2.7	2.7
GLADIATOR (TH456)	4.7	41.7	26.7	33.3	9.0	3.0	2.7	2.7	2.3	2.3	2.7	2.6
PST-4BND	3.7	44.0	20.0	16.7	8.0	3.0	3.0	2.3	2.0	2.0	2.3	2.4
LSD VALUE	2.5	41.2	17.5	36.6	0.9	2.3	2.4	1.3	1.2	0.9	1.2	1.0
C.V. (%)	20.2	31.7	29.8	45.9	3.7	22.5	28.4	19.3	24.3	17.4	19.8	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 5E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			DOLLAR SPOT	QUALITY RATINGS						MEAN
		SPRING	SUMMER	FALL		MAY	JUN	JUL	AUG	SEP	OCT	
SEAMIST (PPG-FRT 101)	6.0	97.7	75.0	91.0	9.0	7.0	6.7	5.7	5.7	4.7	6.0	5.9
SEABREEZE GT	6.0	89.7	70.0	73.3	7.7	5.0	5.3	4.7	4.3	4.3	4.7	4.7
BAR FRT 5002	5.3	84.7	68.3	58.3	9.0	5.0	5.7	4.0	4.0	3.7	3.7	4.3
BEUDIN	5.3	73.0	56.7	51.7	7.7	4.3	4.7	4.7	4.0	3.0	4.0	4.1
LSD VALUE	1.4	25.5	29.2	30.3	1.8	2.0	2.8	1.4	2.0	1.7	1.9	1.4
C.V. (%)	10.6	13.5	19.1	20.9	10.0	18.0	22.5	13.6	19.9	20.4	19.2	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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2017 DATA

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

NAME	SPRING GREENUP	DOLLAR SPOT	RED THREAD	WEAR TOLERANCE RATINGS			QUALITY RATINGS						MEAN		
				MAY	JULY	SEPTEMBER	MAR	APR	MAY	JUN	JUL	AUG		SEP	OCT
BEACON	3.7	7.7	9.0	7.3	6.7	7.0	5.0	6.3	6.7	6.7	6.7	6.7	6.7	6.3	6.4
JETTY (PPG-FL 106)	4.7	7.7	9.0	7.3	7.7	7.3	4.7	6.0	6.7	6.0	7.0	5.7	7.0	6.7	6.2
CASTLE (RAD-FC32)	5.0	7.3	8.3	3.0	5.7	6.0	4.3	7.3	7.7	6.3	5.0	5.3	6.3	6.7	6.1
SEAMIST (PPG-FRT 101)	3.7	7.7	8.3	2.7	5.3	5.7	3.3	6.7	6.7	7.0	5.0	5.0	7.3	6.7	6.0
COMPASS II (PPG-FRC 113)	4.3	7.3	8.0	3.0	6.3	6.3	4.0	6.7	6.0	6.7	5.0	5.7	7.0	6.3	5.9
DLF-FRC 3338	4.3	7.3	7.7	3.0	6.3	6.0	4.0	7.0	6.0	5.7	5.7	6.0	6.3	6.3	5.9
DLFPS-FRC/3057	4.7	7.7	8.3	3.7	5.7	6.3	4.3	7.0	5.7	6.7	5.7	5.3	6.3	6.0	5.9
RESOLUTE (7H7)	3.7	8.0	9.0	7.0	7.7	7.3	5.0	6.0	6.7	6.3	6.0	4.7	6.0	6.7	5.9
BAR VV-VP3-CT	3.3	7.7	8.3	2.7	5.3	6.0	3.7	6.7	5.7	6.7	5.3	5.7	6.3	6.0	5.8
BOLSTER (C14-OS3)	4.0	7.3	7.7	3.3	5.0	5.7	3.7	7.0	5.7	6.0	5.3	5.7	7.0	6.3	5.8
DLFPS-FL/3066	5.0	7.7	8.7	5.7	7.3	6.3	5.0	5.7	6.0	6.3	6.3	4.7	5.7	6.3	5.8
MINIMUS	4.0	8.0	9.0	7.7	7.0	6.7	4.7	6.0	5.3	6.0	6.7	5.0	6.7	6.3	5.8
MOMENTUM (PPG-FRC 114)	4.3	7.0	7.0	2.7	6.7	6.3	3.7	6.7	5.7	6.3	5.3	5.7	6.7	6.3	5.8
MNHD-14	3.7	7.7	8.3	6.7	7.3	7.3	4.0	5.3	5.3	5.7	7.0	5.0	6.0	6.3	5.6
DLFPS-FL/3060	3.7	7.7	8.0	6.0	6.0	6.7	4.7	5.7	6.0	5.3	5.7	4.7	5.7	6.0	5.5
GLADIATOR (TH456)	4.7	8.0	8.7	6.7	7.3	7.3	4.3	5.3	5.7	5.3	6.0	5.3	6.0	5.7	5.5
RAD-FC44	4.7	6.7	9.0	2.3	6.0	6.3	4.7	6.7	6.7	5.7	4.3	4.7	5.3	5.7	5.5
RADAR	5.0	7.7	7.7	2.7	5.3	6.0	4.7	6.0	4.7	5.3	5.0	5.0	6.3	6.3	5.4
BAR 6FR 126	5.0	7.7	8.3	2.0	5.0	5.7	4.0	6.3	6.0	5.7	4.3	4.7	5.3	5.7	5.3
DLFPS-FRC/3060	4.3	7.7	7.0	4.3	6.0	6.3	4.0	6.3	4.3	5.3	5.7	5.3	6.0	5.3	5.3
PST-4BND	3.7	8.0	9.0	6.3	7.0	6.3	4.3	5.0	6.7	5.7	5.3	4.0	5.3	5.7	5.3
7C34	3.3	5.7	7.0	3.7	5.3	5.0	3.7	5.7	5.7	5.7	5.0	4.7	5.7	5.3	5.2
CARDINAL II (PPG-FRR 111)	4.3	5.3	6.3	4.0	4.3	5.0	4.0	5.7	5.3	5.3	4.7	4.3	5.3	5.3	5.0
DLF-FRR 6162	3.3	5.7	5.3	3.7	4.3	5.0	3.0	5.7	5.7	5.7	5.0	5.0	5.0	5.0	5.0
DLFPS-FRR/3069	3.3	5.7	6.7	4.0	5.7	6.0	3.7	5.0	5.7	5.3	5.3	4.7	5.3	5.3	5.0
MARVEL	4.7	6.3	5.7	3.3	5.0	6.0	4.0	5.0	5.3	5.7	5.0	4.0	5.3	5.3	5.0
NAVIGATOR II	4.7	5.3	5.0	4.3	5.3	5.0	4.3	5.3	4.7	5.0	5.0	4.7	5.3	5.3	5.0
DLFPS-FRR/3068	3.7	6.0	7.3	4.0	6.0	6.0	3.7	5.7	5.3	5.3	4.7	4.0	5.0	5.3	4.9
RAD-FR47	4.3	5.0	6.0	4.3	4.3	5.0	3.3	5.0	5.0	5.0	5.7	4.7	5.3	5.3	4.9
CASCADE	5.0	7.0	8.3	2.7	4.7	6.0	4.3	5.0	4.0	5.0	5.3	5.0	5.0	4.7	4.8
KENT	3.7	5.3	6.0	3.3	4.3	4.7	3.7	5.0	5.0	4.7	5.0	4.7	5.7	5.0	4.8
PST-4BEN	4.3	6.3	5.3	3.0	5.3	6.0	4.0	5.0	4.7	5.3	5.0	4.3	5.0	5.3	4.8
PST-4DR4	3.0	6.3	5.7	4.0	4.7	4.3	3.0	5.0	5.0	5.3	5.0	4.3	5.3	5.0	4.8
PST-4ED4	3.7	5.3	5.3	4.0	5.0	4.0	3.3	5.7	5.7	5.0	4.7	4.0	4.7	4.7	4.7
BOREAL	3.3	6.3	6.0	3.7	4.0	4.0	2.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	4.6
SWORD	4.3	7.3	8.7	5.3	5.7	6.0	4.0	4.0	4.0	5.3	5.7	4.3	4.7	5.0	4.6
BAR FRT 5002	3.7	7.3	9.0	3.3	3.3	3.0	4.3	5.3	5.7	6.7	4.0	2.3	3.3	4.0	4.5
RAD-FR33R	3.0	5.3	6.0	4.7	4.0	4.0	2.7	5.0	4.7	4.7	5.0	4.3	4.7	4.7	4.5
BEUDIN	3.7	6.3	8.7	1.7	3.3	2.3	4.3	6.0	6.7	6.3	2.7	2.0	2.3	3.7	4.3
QUATRO	5.7	8.0	7.0	6.3	7.0	6.7	4.7	4.0	3.7	5.3	4.7	4.0	4.0	4.0	4.3
PST-4RUE	3.3	4.3	7.7	3.7	4.7	5.3	3.0	4.3	4.7	4.7	4.0	3.7	4.7	4.7	4.2
SEABREEZE GT	4.3	6.7	7.0	2.3	4.0	4.0	3.3	4.3	4.0	4.7	3.7	3.0	4.0	4.3	3.9
LSD VALUE	0.9	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.7	0.7	0.7	0.4
C.V. (%)	13.7	7.6	8.2	15.3	10.5	10.3	14.5	11.0	10.6	9.3	10.8	9.7	9.0	7.9	5.7

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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2017 DATA

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

NAME	SPRING GREENUP	DOLLAR SPOT	RED THREAD	WEAR TOLERANCE RATINGS			QUALITY RATINGS						MEAN		
				MAY	JULY	SEPTEMBER	MAR	APR	MAY	JUN	JUL	AUG		SEP	OCT
CASTLE (RAD-FC32)	5.0	7.3	8.3	3.0	5.7	6.0	4.3	7.3	7.7	6.3	5.0	5.3	6.3	6.7	6.1
COMPASS II (PPG-FRC 113)	4.3	7.3	8.0	3.0	6.3	6.3	4.0	6.7	6.0	6.7	5.0	5.7	7.0	6.3	5.9
DLF-FRC 3338	4.3	7.3	7.7	3.0	6.3	6.0	4.0	7.0	6.0	5.7	5.7	6.0	6.3	6.3	5.9
DLFPS-FRC/3057	4.7	7.7	8.3	3.7	5.7	6.3	4.3	7.0	5.7	6.7	5.7	5.3	6.3	6.0	5.9
BAR VV-VP3-CT	3.3	7.7	8.3	2.7	5.3	6.0	3.7	6.7	5.7	6.7	5.3	5.7	6.3	6.0	5.8
BOLSTER (C14-OS3)	4.0	7.3	7.7	3.3	5.0	5.7	3.7	7.0	5.7	6.0	5.3	5.7	7.0	6.3	5.8
PPG-FRC 114	4.3	7.0	7.0	2.7	6.7	6.3	3.7	6.7	5.7	6.3	5.3	5.7	6.7	6.3	5.8
RAD-FC44	4.7	6.7	9.0	2.3	6.0	6.3	4.7	6.7	6.7	5.7	4.3	4.7	5.3	5.7	5.5
RADAR	5.0	7.7	7.7	2.7	5.3	6.0	4.7	6.0	4.7	5.3	5.0	5.0	6.3	6.3	5.4
BAR 6FR 126	5.0	7.7	8.3	2.0	5.0	5.7	4.0	6.3	6.0	5.7	4.3	4.7	5.3	5.7	5.3
DLFPS-FRC/3060	4.3	7.7	7.0	4.3	6.0	6.3	4.0	6.3	4.3	5.3	5.7	5.3	6.0	5.3	5.3
CASCADE	5.0	7.0	8.3	2.7	4.7	6.0	4.3	5.0	4.0	5.0	5.3	5.0	5.0	4.7	4.8
LSD VALUE	1.2	0.9	1.1	1.0	1.1	1.5	1.7	0.9	0.8	1.0	1.1	1.1	1.0	0.8	0.4
C.V. (%)	13.0	5.8	7.2	18.4	10.5	8.7	15.2	7.9	9.3	8.7	10.0	9.7	8.9	7.4	4.2

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 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2017 DATA

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

NAME	SPRING GREENUP	DOLLAR SPOT	RED THREAD	WEAR TOLERANCE RATINGS			QUALITY RATINGS				MEAN				
				MAY	JULY	SEPTEMBER	MAR	APR	MAY	JUN		JUL	AUG	SEP	OCT
7C34	3.3	5.7	7.0	3.7	5.3	5.0	3.7	5.7	5.7	5.7	5.0	4.7	5.7	5.3	5.2
CARDINAL II (PPG-FRR 111)	4.3	5.3	6.3	4.0	4.3	5.0	4.0	5.7	5.3	5.3	4.7	4.3	5.3	5.3	5.0
DLF-FRR 6162	3.3	5.7	5.3	3.7	4.3	5.0	3.0	5.7	5.7	5.7	5.0	5.0	5.0	5.0	5.0
DLFPS-FRR/3069	3.3	5.7	6.7	4.0	5.7	6.0	3.7	5.0	5.7	5.3	5.3	4.7	5.3	5.3	5.0
MARVEL	4.7	6.3	5.7	3.3	5.0	6.0	4.0	5.0	5.3	5.7	5.0	4.0	5.3	5.3	5.0
NAVIGATOR II	4.7	5.3	5.0	4.3	5.3	5.0	4.3	5.3	4.7	5.0	5.0	4.7	5.3	5.3	5.0
DLFPS-FRR/3068	3.7	6.0	7.3	4.0	6.0	6.0	3.7	5.7	5.3	5.3	4.7	4.0	5.0	5.3	4.9
RAD-FR47	4.3	5.0	6.0	4.3	4.3	5.0	3.3	5.0	5.0	5.0	5.7	4.7	5.3	5.3	4.9
KENT	3.7	5.3	6.0	3.3	4.3	4.7	3.7	5.0	5.0	4.7	5.0	4.7	5.7	5.0	4.8
PST-4BEN	4.3	6.3	5.3	3.0	5.3	6.0	4.0	5.0	4.7	5.3	5.0	4.3	5.0	5.3	4.8
PST-4DR4	3.0	6.3	5.7	4.0	4.7	4.3	3.0	5.0	5.0	5.3	5.0	4.3	5.3	5.0	4.8
PST-4ED4	3.7	5.3	5.3	4.0	5.0	4.0	3.3	5.7	5.7	5.0	4.7	4.0	4.7	4.7	4.7
BOREAL	3.3	6.3	6.0	3.7	4.0	4.0	2.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	4.6
RAD-FR33R	3.0	5.3	6.0	4.7	4.0	4.0	2.7	5.0	4.7	4.7	5.0	4.3	4.7	4.7	4.5
PST-4RUE	3.3	4.3	7.7	3.7	4.7	5.3	3.0	4.3	4.7	4.7	4.0	3.7	4.7	4.7	4.2
LSD VALUE	1.1	0.7	1.4	2.0	1.2	1.1	1.0	1.3	1.4	1.1	1.6	1.1	1.2	1.1	0.5
C.V. (%)	15.1	7.6	12.1	18.8	13.2	12.7	15.9	10.7	11.0	9.0	12.0	10.6	9.1	8.4	5.6

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 6D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2017 DATA

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

NAME	SPRING GREENUP	DOLLAR SPOT	RED THREAD	WEAR TOLERANCE RATINGS			QUALITY RATINGS						MEAN		
				MAY	JULY	SEPTEMBER	MAR	APR	MAY	JUN	JUL	AUG		SEP	OCT
BEACON	3.7	7.7	9.0	7.3	6.7	7.0	5.0	6.3	6.7	6.7	6.7	6.7	6.7	6.3	6.4
JETTY (PPG-FL 106)	4.7	7.7	9.0	7.3	7.7	7.3	4.7	6.0	6.7	6.0	7.0	5.7	7.0	6.7	6.2
RESOLUTE (7H7)	3.7	8.0	9.0	7.0	7.7	7.3	5.0	6.0	6.7	6.3	6.0	4.7	6.0	6.7	5.9
DLFPS-FL/3066	5.0	7.7	8.7	5.7	7.3	6.3	5.0	5.7	6.0	6.3	6.3	4.7	5.7	6.3	5.8
MINIMUS	4.0	8.0	9.0	7.7	7.0	6.7	4.7	6.0	5.3	6.0	6.7	5.0	6.7	6.3	5.8
MNHD-14	3.7	7.7	8.3	6.7	7.3	7.3	4.0	5.3	5.3	5.7	7.0	5.0	6.0	6.3	5.6
DLFPS-FL/3060	3.7	7.7	8.0	6.0	6.0	6.7	4.7	5.7	6.0	5.3	5.7	4.7	5.7	6.0	5.5
GLADIATOR (TH456)	4.7	8.0	8.7	6.7	7.3	7.3	4.3	5.3	5.7	5.3	6.0	5.3	6.0	5.7	5.5
PST-4BND	3.7	8.0	9.0	6.3	7.0	6.3	4.3	5.0	6.7	5.7	5.3	4.0	5.3	5.7	5.3
SWORD	4.3	7.3	8.7	5.3	5.7	6.0	4.0	4.0	4.0	5.3	5.7	4.3	4.7	5.0	4.6
QUATRO	5.7	8.0	7.0	6.3	7.0	6.7	4.7	4.0	3.7	5.3	4.7	4.0	4.0	4.0	4.3
LSD VALUE	1.0	1.0	0.8	1.1	0.9	1.1	1.2	1.6	0.9	1.4	1.2	0.7	0.7	0.7	0.6
C.V. (%)	12.8	4.8	5.4	9.4	7.5	7.7	11.2	14.9	10.0	10.7	10.7	9.0	7.7	7.6	7.0

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 6E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2017 DATA

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

NAME	SPRING GREENUP	DOLLAR SPOT	RED THREAD	WEAR TOLERANCE RATINGS			QUALITY RATINGS						MEAN		
				MAY	JULY	SEPTEMBER	MAR	APR	MAY	JUN	JUL	AUG		SEP	OCT
SEAMIST (PPG-FRT 101)	3.7	7.7	8.3	2.7	5.3	5.7	3.3	6.7	6.7	7.0	5.0	5.0	7.3	6.7	6.0
BAR FRT 5002	3.7	7.3	9.0	3.3	3.3	3.0	4.3	5.3	5.7	6.7	4.0	2.3	3.3	4.0	4.5
BEUDIN	3.7	6.3	8.7	1.7	3.3	2.3	4.3	6.0	6.7	6.3	2.7	2.0	2.3	3.7	4.3
SEABREEZE GT	4.3	6.7	7.0	2.3	4.0	4.0	3.3	4.3	4.0	4.7	3.7	3.0	4.0	4.3	3.9
LSD VALUE	1.5	1.3	0.7	1.3	0.6	1.4	1.1	1.1	1.0	0.7	0.7	0.6	0.6	0.9	0.4
C.V. (%)	16.8	8.6	4.5	24.0	7.2	18.3	13.0	9.9	8.7	6.0	8.7	9.4	6.8	10.1	4.6

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 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT SUMMER	GROUND COVER			QUALITY RATINGS					MEAN
			FALL	MAY	JUN	JUL	AUG	SEP	OCT		
QUATRO	5.0	99.0	94.7	6.7	5.3	6.0	6.0	6.7	6.0	6.1	
SWORD	5.7	99.0	96.3	5.7	5.7	6.0	6.0	6.3	6.3	6.0	
MNHD-14	5.3	99.0	93.3	6.0	5.7	6.0	6.0	6.0	6.0	5.9	
RESOLUTE (7H7)	5.0	97.7	93.3	5.7	5.7	6.0	5.7	5.7	6.7	5.9	
DLFPS-FL/3060	5.3	97.7	93.3	6.0	6.0	6.0	4.7	6.0	6.3	5.8	
DLFPS-FL/3066	5.3	97.7	96.3	5.3	5.7	5.7	5.7	6.0	6.3	5.8	
JETTY (PPG-FL 106)	5.3	96.0	91.7	6.0	5.7	6.0	5.3	5.3	6.3	5.8	
MINIMUS	5.7	97.7	91.7	6.0	6.0	6.0	4.7	5.7	6.3	5.8	
SEAMIST (PPG-FRT 101)	5.7	94.7	80.0	5.7	6.0	5.7	5.3	4.7	7.3	5.8	
BEACON	5.3	97.7	91.7	5.3	5.7	5.7	5.3	5.3	6.0	5.6	
COMPASS II (PPG-FRC 113)	6.0	94.7	78.3	6.0	5.7	5.7	5.0	4.3	7.0	5.6	
DLF-FRC 3338	5.7	93.3	86.7	6.0	5.3	5.7	4.7	5.0	6.7	5.6	
GLADIATOR (TH456)	5.7	97.7	88.3	5.7	5.7	6.0	5.3	5.3	5.7	5.6	
PST-4ED4	5.7	99.0	90.0	5.7	4.7	5.3	5.0	6.0	6.7	5.6	
BOLSTER (C14-OS3)	6.0	88.3	76.7	6.0	5.7	5.3	4.3	4.7	6.3	5.4	
MOMENTUM (PPG-FRC 114)	6.0	90.0	76.7	6.0	5.7	5.3	4.3	4.3	6.7	5.4	
BAR VV-VP3-CT	6.0	93.0	83.0	5.7	5.3	5.3	4.3	5.0	6.3	5.3	
CARDINAL II (PPG-FRR 111)	6.0	99.0	93.0	5.0	4.7	5.3	5.0	6.0	6.0	5.3	
DLF-FRR 6162	5.7	97.7	93.3	5.3	4.7	5.0	5.0	5.7	6.0	5.3	
DLFPS-FRC/3057	5.7	96.0	88.3	5.7	5.0	5.0	4.7	5.0	6.3	5.3	
7C34	6.0	99.0	88.3	4.3	5.0	5.0	5.3	5.3	6.3	5.2	
PST-4BND	5.3	99.0	94.7	5.0	4.7	5.7	5.0	5.7	5.3	5.2	
DLFPS-FRC/3060	5.7	90.0	83.3	5.3	5.0	5.0	4.3	4.3	6.3	5.1	
PST-4BEN	6.0	99.0	89.7	5.0	4.3	5.0	4.7	5.7	6.0	5.1	
RAD-FC44	5.3	96.0	86.7	5.0	4.7	4.7	5.0	5.0	6.0	5.1	
BAR 6FR 126	6.0	83.3	56.7	5.7	6.0	5.3	3.7	3.3	6.0	5.0	
PST-4RUE	6.0	97.7	89.7	4.7	4.3	5.0	4.3	5.7	6.0	5.0	
CASCADE	6.0	93.0	86.7	4.7	4.3	5.0	4.7	5.0	6.0	4.9	
CASTLE (RAD-FC32)	5.7	86.7	80.0	5.0	4.3	5.0	4.3	4.3	6.3	4.9	
PST-4DR4	6.0	94.7	85.0	4.7	4.7	4.7	4.7	5.0	5.7	4.9	
RADAR	6.0	93.0	80.0	5.0	4.3	5.0	4.7	4.3	5.7	4.8	
SEABREEZE GT	5.3	88.3	81.7	4.7	4.7	4.7	4.7	4.7	5.3	4.8	
DLFPS-FRR/3069	6.0	96.0	80.0	4.3	4.0	5.0	4.0	5.0	5.7	4.7	
MARVEL	6.0	97.7	93.3	4.3	4.3	4.7	4.3	5.3	5.3	4.7	
RAD-FR33R	5.0	99.0	86.7	4.7	4.7	4.7	4.3	4.3	5.7	4.7	
RAD-FR47	5.3	99.0	83.3	4.7	4.7	4.7	4.0	4.7	5.7	4.7	
DLFPS-FRR/3068	6.0	89.3	83.3	4.7	4.0	4.3	4.0	4.7	5.7	4.6	
NAVIGATOR II	5.7	94.7	83.3	4.3	4.3	4.7	4.0	4.3	5.7	4.6	
KENT	6.0	96.0	80.0	4.3	4.3	5.0	4.0	4.7	4.7	4.5	
BEUDIN	5.3	90.0	80.0	4.3	4.0	4.3	4.0	4.0	5.3	4.3	
BOREAL	6.0	93.3	80.0	3.7	4.3	4.7	3.7	4.7	4.3	4.2	
BAR FRT 5002	5.3	66.7	41.7	5.0	4.7	4.7	2.7	2.7	5.0	4.1	
LSD VALUE	0.9	9.0	13.5	0.8	0.9	0.7	1.0	1.4	1.1	0.6	
C.V. (%)	7.2	5.6	9.7	9.4	10.5	8.6	13.2	15.7	10.2	7.1	

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

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

TABLE 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT SUMMER	GROUND COVER			QUALITY RATINGS					MEAN
			FALL	MAY	JUN	JUL	AUG	SEP	OCT		
COMPASS II (PPG-FRC 113)	6.0	94.7	78.3	6.0	5.7	5.7	5.0	4.3	7.0	5.6	
DLF-FRC 3338	5.7	93.3	86.7	6.0	5.3	5.7	4.7	5.0	6.7	5.6	
BOLSTER (C14-OS3)	6.0	88.3	76.7	6.0	5.7	5.3	4.3	4.7	6.3	5.4	
PPG-FRC 114	6.0	90.0	76.7	6.0	5.7	5.3	4.3	4.3	6.7	5.4	
BAR VV-VP3-CT	6.0	93.0	83.0	5.7	5.3	5.3	4.3	5.0	6.3	5.3	
DLFPS-FRC/3057	5.7	96.0	88.3	5.7	5.0	5.0	4.7	5.0	6.3	5.3	
DLFPS-FRC/3060	5.7	90.0	83.3	5.3	5.0	5.0	4.3	4.3	6.3	5.1	
RAD-FC44	5.3	96.0	86.7	5.0	4.7	4.7	5.0	5.0	6.0	5.1	
BAR 6FR 126	6.0	83.3	56.7	5.7	6.0	5.3	3.7	3.3	6.0	5.0	
CASCADE	6.0	93.0	86.7	4.7	4.3	5.0	4.7	5.0	6.0	4.9	
CASTLE (RAD-FC32)	5.7	86.7	80.0	5.0	4.3	5.0	4.3	4.3	6.3	4.9	
RADAR	6.0	93.0	80.0	5.0	4.3	5.0	4.7	4.3	5.7	4.8	
LSD VALUE	1.0	16.8	14.8	0.7	0.8	1.1	1.3	1.7	1.3	0.5	
C.V. (%)	6.7	7.0	9.9	6.9	9.0	8.5	11.6	15.7	8.2	4.8	

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 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS					
		SUMMER	FALL	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PST-4ED4	5.7	99.0	90.0	5.7	4.7	5.3	5.0	6.0	6.7	5.6
CARDINAL II (PPG-FRR 111)	6.0	99.0	93.0	5.0	4.7	5.3	5.0	6.0	6.0	5.3
DLF-FRR 6162	5.7	97.7	93.3	5.3	4.7	5.0	5.0	5.7	6.0	5.3
7C34	6.0	99.0	88.3	4.3	5.0	5.0	5.3	5.3	6.3	5.2
PST-4BEN	6.0	99.0	89.7	5.0	4.3	5.0	4.7	5.7	6.0	5.1
PST-4RUE	6.0	97.7	89.7	4.7	4.3	5.0	4.3	5.7	6.0	5.0
PST-4DR4	6.0	94.7	85.0	4.7	4.7	4.7	4.7	5.0	5.7	4.9
DLFPS-FRR/3069	6.0	96.0	80.0	4.3	4.0	5.0	4.0	5.0	5.7	4.7
MARVEL	6.0	97.7	93.3	4.3	4.3	4.7	4.3	5.3	5.3	4.7
RAD-FR33R	5.0	99.0	86.7	4.7	4.7	4.7	4.3	4.3	5.7	4.7
RAD-FR47	5.3	99.0	83.3	4.7	4.7	4.7	4.0	4.7	5.7	4.7
DLFPS-FRR/3068	6.0	89.3	83.3	4.7	4.0	4.3	4.0	4.7	5.7	4.6
NAVIGATOR II	5.7	94.7	83.3	4.3	4.3	4.7	4.0	4.3	5.7	4.6
KENT	6.0	96.0	80.0	4.3	4.3	5.0	4.0	4.7	4.7	4.5
BOREAL	6.0	93.3	80.0	3.7	4.3	4.7	3.7	4.7	4.3	4.2
LSD VALUE	0.5	15.3	25.2	1.3	1.4	1.5	1.2	2.7	1.4	0.9
C.V. (%)	5.0	5.4	10.2	12.8	11.2	10.7	13.1	18.8	11.8	8.8

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 7D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/ 2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS						
		SUMMER	FALL		MAY	JUN	JUL	AUG	SEP	OCT	MEAN
QUATRO	5.0	99.0	94.7		6.7	5.3	6.0	6.0	6.7	6.0	6.1
SWORD	5.7	99.0	96.3		5.7	5.7	6.0	6.0	6.3	6.3	6.0
MNHD-14	5.3	99.0	93.3		6.0	5.7	6.0	6.0	6.0	6.0	5.9
RESOLUTE (7H7)	5.0	97.7	93.3		5.7	5.7	6.0	5.7	5.7	6.7	5.9
DLFPS-FL/3060	5.3	97.7	93.3		6.0	6.0	6.0	4.7	6.0	6.3	5.8
DLFPS-FL/3066	5.3	97.7	96.3		5.3	5.7	5.7	5.7	6.0	6.3	5.8
JETTY (PPG-FL 106)	5.3	96.0	91.7		6.0	5.7	6.0	5.3	5.3	6.3	5.8
MINIMUS	5.7	97.7	91.7		6.0	6.0	6.0	4.7	5.7	6.3	5.8
BEACON	5.3	97.7	91.7		5.3	5.7	5.7	5.3	5.3	6.0	5.6
GLADIATOR (TH456)	5.7	97.7	88.3		5.7	5.7	6.0	5.3	5.3	5.7	5.6
PST-4BND	5.3	99.0	94.7		5.0	4.7	5.7	5.0	5.7	5.3	5.2
LSD VALUE	1.4	7.2	10.8		0.8	0.8	0.8	1.0	1.6	1.8	0.8
C.V. (%)	9.1	2.5	4.4		7.3	6.9	5.1	9.2	11.4	10.9	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 7E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/ 2017 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS						
		SUMMER	FALL		MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SEAMIST (PPG-FRT 101)	5.7	94.7	80.0		5.7	6.0	5.7	5.3	4.7	7.3	5.8
SEABREEZE GT	5.3	88.3	81.7		4.7	4.7	4.7	4.7	4.7	5.3	4.8
BEUDIN	5.3	90.0	80.0		4.3	4.0	4.3	4.0	4.0	5.3	4.3
BAR FRT 5002	5.3	66.7	41.7		5.0	4.7	4.7	2.7	2.7	5.0	4.1
LSD VALUE	0.7	16.0	27.7		0.8	1.3	1.1	2.3	1.6	0.6	0.9
C.V. (%)	5.3	9.1	18.8		7.6	12.4	10.3	25.6	19.1	5.0	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 8A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS				SEP	OCT	MEAN
	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG			
SEAMIST (PPG-FRT 101)	97.7	95.7	83.7	6.7	5.7	6.0	6.0	6.3	6.0	6.1
BOLSTER (C14-OS3)	96.0	92.7	78.0	6.3	5.7	5.7	6.3	6.0	6.0	6.0
BAR 6FR 126	91.0	94.7	76.7	6.7	5.7	5.3	5.3	5.7	6.0	5.8
CASTLE (RAD-FC32)	89.7	91.0	80.3	5.7	6.0	6.3	5.7	5.7	5.3	5.8
RESOLUTE (7H7)	82.7	95.7	80.7	5.7	6.0	6.0	6.3	5.3	5.0	5.7
BAR FRT 5002	96.7	96.3	81.7	5.7	6.3	4.7	6.0	5.3	5.3	5.6
BEUDIN	95.3	98.3	83.7	6.3	5.7	4.7	5.3	5.7	6.0	5.6
COMPASS II (PPG-FRC 113)	90.3	96.7	81.3	6.0	5.0	5.3	5.3	6.3	5.7	5.6
DLFPS-FL/3060	92.7	96.3	77.0	6.0	5.3	6.0	6.0	5.0	5.3	5.6
MOMENTUM (PPG-FRC 114)	96.0	98.3	82.0	5.7	5.3	5.3	5.7	5.7	5.3	5.5
BAR VV-VP3-CT	88.3	95.7	75.3	6.0	4.3	4.7	6.0	5.7	5.7	5.4
DLF-FRC 3338	97.3	98.0	78.7	5.7	5.3	5.0	5.3	5.7	5.3	5.4
DLFPS-FRC/3057	79.3	91.0	80.3	6.0	5.0	5.0	6.0	5.3	5.3	5.4
DLFPS-FRC/3060	71.3	92.3	76.0	5.3	5.0	5.0	5.7	6.0	5.0	5.3
RADAR	95.7	96.0	77.0	6.7	4.7	5.0	5.3	4.7	5.0	5.2
SEABREEZE GT	87.7	89.7	83.0	5.3	5.0	5.3	5.0	5.3	5.0	5.2
JETTY (PPG-FL 106)	78.0	95.7	75.0	4.7	5.0	5.7	5.3	5.0	5.0	5.1
RAD-FC44	67.0	92.3	75.7	5.7	5.3	4.7	4.7	5.0	5.3	5.1
DLFPS-FL/3066	83.3	93.7	75.3	4.7	5.7	5.3	4.3	4.7	5.3	5.0
GLADIATOR (TH456)	96.0	91.7	80.7	5.3	5.3	5.3	5.0	4.3	4.7	5.0
SWORD	90.3	88.7	76.0	5.0	5.0	5.3	5.0	4.7	4.3	4.9
7C34	82.7	94.3	84.7	5.3	5.0	4.7	4.0	4.7	5.0	4.8
BEACON	95.3	94.7	75.7	4.7	4.7	4.7	5.0	5.0	5.0	4.8
CASCADE	77.0	92.0	79.0	4.7	4.3	4.7	5.7	5.0	4.7	4.8
MNHD-14	84.3	92.3	75.0	4.3	5.0	4.7	5.3	4.7	5.0	4.8
QUATRO	95.0	97.3	78.7	4.3	4.7	4.3	5.3	5.0	5.0	4.8
MINIMUS	90.0	91.0	72.7	5.0	4.7	4.7	4.3	4.7	4.0	4.6
PST-4BND	90.7	94.7	76.7	4.3	4.3	4.7	4.7	4.3	4.7	4.5
DLF-FRR 6162	91.7	93.7	77.3	5.3	4.3	4.3	4.0	4.0	4.3	4.4
DLFPS-FRR/3069	79.7	92.3	81.3	4.7	4.3	4.3	4.7	4.0	4.0	4.3
RAD-FR47	72.7	89.3	75.3	5.0	4.3	4.3	4.3	3.7	4.0	4.3
CARDINAL II (PPG-FRR 111)	86.7	89.3	79.0	4.7	4.0	4.0	4.3	4.0	4.0	4.2
MARVEL	81.7	90.0	74.7	4.7	4.0	3.7	4.0	4.0	4.3	4.1
NAVIGATOR II	57.7	91.7	74.7	4.3	4.0	4.3	4.0	3.7	4.3	4.1
DLFPS-FRR/3068	86.3	88.7	74.3	4.3	4.7	4.0	3.3	3.7	4.0	4.0
PST-4DR4	81.3	91.3	78.0	4.3	4.3	3.7	3.7	3.3	4.0	3.9
KENT	91.3	93.0	79.3	4.3	4.0	3.7	3.7	3.7	3.7	3.8
PST-4BEN	91.3	92.7	79.3	4.3	4.3	3.7	3.0	3.7	3.7	3.8
RAD-FR33R	86.3	92.0	78.7	4.3	4.3	3.7	3.0	4.0	3.7	3.8
BOREAL	90.0	90.3	79.3	4.0	3.3	3.3	3.7	3.7	3.3	3.6
PST-4ED4	79.7	84.3	77.7	3.7	3.3	3.3	3.7	3.3	4.3	3.6
PST-4RUE	82.3	86.7	75.3	3.7	4.0	3.7	3.3	3.7	3.3	3.6
LSD VALUE	36.8	11.4	20.9	1.2	0.8	1.1	1.0	1.0	1.0	0.6
C.V. (%)	15.2	4.8	7.0	13.7	11.0	13.8	13.3	13.7	12.5	8.2

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

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

TABLE 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS				SEP	OCT	MEAN
	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG			
BOLSTER (C14-OS3)	96.0	92.7	78.0	6.3	5.7	5.7	6.3	6.0	6.0	6.0
BAR 6FR 126	91.0	94.7	76.7	6.7	5.7	5.3	5.3	5.7	6.0	5.8
CASTLE (RAD-FC32)	89.7	91.0	80.3	5.7	6.0	6.3	5.7	5.7	5.3	5.8
COMPASS II (PPG-FRC 113)	90.3	96.7	81.3	6.0	5.0	5.3	5.3	6.3	5.7	5.6
PPG-FRC 114	96.0	98.3	82.0	5.7	5.3	5.3	5.7	5.7	5.3	5.5
BAR VV-VP3-CT	88.3	95.7	75.3	6.0	4.3	4.7	6.0	5.7	5.7	5.4
DLF-FRC 3338	97.3	98.0	78.7	5.7	5.3	5.0	5.3	5.7	5.3	5.4
DLFPS-FRC/3057	79.3	91.0	80.3	6.0	5.0	5.0	6.0	5.3	5.3	5.4
DLFPS-FRC/3060	71.3	92.3	76.0	5.3	5.0	5.0	5.7	6.0	5.0	5.3
RADAR	95.7	96.0	77.0	6.7	4.7	5.0	5.3	4.7	5.0	5.2
RAD-FC44	67.0	92.3	75.7	5.7	5.3	4.7	4.7	5.0	5.3	5.1
CASCADE	77.0	92.0	79.0	4.7	4.3	4.7	5.7	5.0	4.7	4.8
LSD VALUE	23.1	6.9	10.9	2.4	0.8	1.4	1.7	2.2	1.7	1.0
C.V. (%)	13.1	3.4	5.1	15.6	8.6	12.3	12.1	15.0	12.1	8.1

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. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS				SEP	OCT	MEAN
	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG			
7C34	82.7	94.3	84.7	5.3	5.0	4.7	4.0	4.7	5.0	4.8
DLF-FRR 6162	91.7	93.7	77.3	5.3	4.3	4.3	4.0	4.0	4.3	4.4
DLFPS-FRR/3069	79.7	92.3	81.3	4.7	4.3	4.3	4.7	4.0	4.0	4.3
RAD-FR47	72.7	89.3	75.3	5.0	4.3	4.3	4.3	3.7	4.0	4.3
CARDINAL II (PPG-FRR 111)	86.7	89.3	79.0	4.7	4.0	4.0	4.3	4.0	4.0	4.2
MARVEL	81.7	90.0	74.7	4.7	4.0	3.7	4.0	4.0	4.3	4.1
NAVIGATOR II	57.7	91.7	74.7	4.3	4.0	4.3	4.0	3.7	4.3	4.1
DLFPS-FRR/3068	86.3	88.7	74.3	4.3	4.7	4.0	3.3	3.7	4.0	4.0
PST-4DR4	81.3	91.3	78.0	4.3	4.3	3.7	3.7	3.3	4.0	3.9
KENT	91.3	93.0	79.3	4.3	4.0	3.7	3.7	3.7	3.7	3.8
PST-4BEN	91.3	92.7	79.3	4.3	4.3	3.7	3.0	3.7	3.7	3.8
RAD-FR33R	86.3	92.0	78.7	4.3	4.3	3.7	3.0	4.0	3.7	3.8
BOREAL	90.0	90.3	79.3	4.0	3.3	3.3	3.7	3.7	3.3	3.6
PST-4ED4	79.7	84.3	77.7	3.7	3.3	3.3	3.7	3.3	4.3	3.6
PST-4RUE	82.3	86.7	75.3	3.7	4.0	3.7	3.3	3.7	3.3	3.6
LSD VALUE	40.1	13.8	19.2	0.9	1.0	1.4	1.6	1.5	1.3	0.5
C.V. (%)	17.7	5.3	7.9	10.8	11.7	14.7	17.9	14.5	14.2	7.3

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 8D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS						
	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RESOLUTE (7H7)	82.7	95.7	80.7	5.7	6.0	6.0	6.3	5.3	5.0	5.7
DLFPS-FL/3060	92.7	96.3	77.0	6.0	5.3	6.0	6.0	5.0	5.3	5.6
JETTY (PPG-FL 106)	78.0	95.7	75.0	4.7	5.0	5.7	5.3	5.0	5.0	5.1
DLFPS-FL/3066	83.3	93.7	75.3	4.7	5.7	5.3	4.3	4.7	5.3	5.0
GLADIATOR (TH456)	96.0	91.7	80.7	5.3	5.3	5.3	5.0	4.3	4.7	5.0
SWORD	90.3	88.7	76.0	5.0	5.0	5.3	5.0	4.7	4.3	4.9
BEACON	95.3	94.7	75.7	4.7	4.7	4.7	5.0	5.0	5.0	4.8
MNHD-14	84.3	92.3	75.0	4.3	5.0	4.7	5.3	4.7	5.0	4.8
QUATRO	95.0	97.3	78.7	4.3	4.7	4.3	5.3	5.0	5.0	4.8
MINIMUS	90.0	91.0	72.7	5.0	4.7	4.7	4.3	4.7	4.0	4.6
PST-4BND	90.7	94.7	76.7	4.3	4.3	4.7	4.7	4.3	4.7	4.5
LSD VALUE	35.7	15.4	19.2	1.7	1.8	1.9	1.1	1.5	1.1	1.1
C.V. (%)	14.2	5.8	8.3	15.0	14.5	15.7	11.5	11.5	10.2	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 8E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS						
	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SEAMIST (PPG-FRT 101)	97.7	95.7	83.7	6.7	5.7	6.0	6.0	6.3	6.0	6.1
BAR FRT 5002	96.7	96.3	81.7	5.7	6.3	4.7	6.0	5.3	5.3	5.6
BEUDIN	95.3	98.3	83.7	6.3	5.7	4.7	5.3	5.7	6.0	5.6
SEABREEZE GT	87.7	89.7	83.0	5.3	5.0	5.3	5.0	5.3	5.0	5.2
LSD VALUE	15.3	7.3	10.0	1.3	0.8	1.2	1.1	1.1	1.8	0.6
C.V. (%)	7.2	3.6	5.1	10.0	6.6	10.7	9.0	8.8	14.6	5.1

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.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS THE
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	PERCENT POA ANNUA		QUALITY		PERCENT COVER		BRUISING		QUALITY		PERCENT COVER	
	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV
JETTY (PPG-FL 106)	1.0	1.3	8.7	8.7	96.3	96.3	9.0	7.0	8.7	7.0	91.7	80.0
RESOLUTE (7H7)	0.7	0.7	8.0	8.0	97.7	97.7	9.0	6.7	8.7	7.3	91.7	80.0
DLFPS-FRC/3057	0.3	0.0	8.3	8.3	94.7	94.7	9.0	5.0	9.0	7.0	93.3	78.3
GLADIATOR (TH456)	0.0	0.3	9.0	9.0	97.7	97.7	9.0	6.0	8.7	7.0	93.3	76.7
MINIMUS	0.7	0.7	8.0	8.0	96.3	96.3	9.0	5.7	8.7	6.3	93.0	75.0
BEACON	1.0	0.0	8.0	8.0	92.5	92.5	9.0	5.0	8.5	6.5	87.5	72.5
SWORD	3.0	3.0	6.5	7.0	92.5	92.5	9.0	7.5	8.5	7.0	92.5	70.0
DLFPS-FL/3060	0.0	0.3	8.3	8.3	96.3	96.3	9.0	5.0	9.0	6.0	95.0	68.3
DLF-FRC 3338	0.0	0.3	7.7	7.7	96.0	96.0	9.0	4.0	8.7	5.7	93.0	66.7
DLFPS-FL/3066	0.3	0.7	8.3	8.3	95.0	95.0	9.0	6.0	8.3	5.7	91.7	66.7
PST-4BND	3.5	3.5	5.5	5.5	85.0	85.0	9.0	7.0	8.5	5.5	92.5	65.0
BOLSTER (C14-OS3)	0.7	0.7	8.3	8.3	95.0	95.0	9.0	4.3	8.3	5.3	86.7	63.3
MNHD-14	1.3	2.3	8.3	8.3	93.3	93.3	9.0	5.3	8.3	5.3	93.3	63.3
CASTLE (RAD-FC32)	2.5	2.0	7.0	7.0	90.0	90.0	9.0	5.0	8.5	5.5	85.0	62.5
RADAR	0.0	0.5	7.5	7.5	90.0	90.0	9.0	3.5	8.5	5.0	89.5	62.5
MOMENTUM (PPG-FRC 114)	1.0	1.0	7.3	7.3	95.0	95.0	8.7	3.7	7.7	5.0	83.3	60.0
RAD-FR33R	1.0	0.0	8.0	8.0	90.0	90.0	9.0	5.0	9.0	5.0	95.0	60.0
PST-4BEN	2.0	1.0	8.0	8.0	88.3	88.3	9.0	4.0	9.0	5.0	91.7	56.7
7C34	0.3	0.3	7.0	7.0	90.0	90.0	9.0	4.3	8.7	5.0	86.7	55.0
COMPASS II (PPG-FRC 113)	0.7	0.3	8.0	8.0	95.0	95.0	9.0	4.0	8.3	4.7	90.0	55.0
SEAMIST (PPG-FRT 101)	2.0	2.0	6.0	6.0	85.0	85.0	9.0	4.0	9.0	5.0	95.0	55.0
BAR VV-VP3-CT	5.0	2.0	2.0	4.0	80.0	80.0	9.0	4.0	4.0	5.0	50.0	50.0
CARDINAL II (PPG-FRR 111)	0.7	1.7	7.7	7.7	88.3	88.3	9.0	4.0	8.3	4.7	93.3	50.0
DLFPS-FRC/3060	0.0	0.0	7.5	7.5	87.5	87.5	9.0	2.5	8.5	4.5	92.5	50.0
PST-4RUE	1.3	2.0	7.0	7.0	85.0	85.0	9.0	3.7	8.0	4.0	85.0	48.3
QUATRO	1.0	2.3	4.0	4.0	80.0	80.0	9.0	5.3	7.7	4.0	83.3	45.0
CASCADE	1.3	1.0	6.0	6.0	75.0	75.0	8.7	3.0	7.7	4.0	81.7	43.3
MARVEL	2.7	2.3	6.0	6.0	76.7	76.7	9.0	4.7	7.7	4.0	83.3	41.7
PST-4ED4	1.0	1.0	6.7	6.7	88.3	88.3	9.0	4.0	8.7	3.7	88.3	41.7
NAVIGATOR II	1.3	0.3	7.3	7.3	88.3	88.3	9.0	4.0	8.0	4.0	80.0	40.0
PST-4DR4	2.7	2.3	6.3	6.3	86.7	86.7	8.7	3.7	8.3	4.0	81.7	40.0
RAD-FC44	3.5	5.5	3.0	5.0	77.5	80.0	9.0	4.0	6.5	4.5	67.5	40.0
RAD-FR47	1.5	1.0	6.5	6.5	87.5	87.5	9.0	3.5	8.0	3.5	85.0	40.0
DLFPS-FRR/3068	1.0	1.5	7.5	7.5	95.0	95.0	9.0	4.5	8.5	4.0	87.5	37.5
BEUDIN	15.0	13.3	3.0	2.7	73.3	71.7	8.3	4.0	6.7	3.0	76.7	36.7
DLF-FRR 6162	0.3	0.3	6.7	6.7	88.3	88.3	9.0	4.0	8.0	3.3	88.3	35.0
DLFPS-FRR/3069	1.5	3.0	5.5	5.5	80.0	80.0	9.0	4.0	8.0	3.5	87.5	35.0
BOREAL	4.3	4.7	4.3	4.3	66.7	66.7	9.0	3.7	7.0	3.0	78.3	26.7
BAR FRT 5002	25.0	27.5	3.0	3.0	62.5	62.5	6.5	3.5	4.5	2.0	60.0	25.0
KENT	4.0	4.0	5.7	5.7	81.7	81.7	9.0	3.3	7.3	3.0	75.0	25.0
SEABREEZE GT	10.0	12.5	3.0	3.0	75.0	72.5	9.0	3.5	6.5	3.0	75.0	25.0
BAR 6FR 126	.	.	.	.	.	.	.	.	.	.	.	.
LSD VALUE	3.2	2.9	1.3	1.3	7.8	8.1	0.5	1.5	1.1	2.0	10.5	23.1
C.V. (%)	80.1	68.3	11.5	11.4	5.1	5.3	3.2	18.1	7.3	21.7	6.7	23.2

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

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

TABLE 9B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS THE
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	PERCENT POA ANNUA		QUALITY		PERCENT COVER		BRUISING		QUALITY		PERCENT COVER	
	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV
DLFPS-FRC/3057	0.3	0.0	8.3	8.3	94.7	94.7	9.0	5.0	9.0	7.0	93.3	78.3
DLF-FRC 3338	0.0	0.3	7.7	7.7	96.0	96.0	9.0	4.0	8.7	5.7	93.0	66.7
BOLSTER (C14-OS3)	0.7	0.7	8.3	8.3	95.0	95.0	9.0	4.3	8.3	5.3	86.7	63.3
CASTLE (RAD-FC32)	2.5	2.0	7.0	7.0	90.0	90.0	9.0	5.0	8.5	5.5	85.0	62.5
RADAR	0.0	0.5	7.5	7.5	90.0	90.0	9.0	3.5	8.5	5.0	89.5	62.5
PPG-FRC 114	1.0	1.0	7.3	7.3	95.0	95.0	8.7	3.7	7.7	5.0	83.3	60.0
COMPASS II (PPG-FRC 113)	0.7	0.3	8.0	8.0	95.0	95.0	9.0	4.0	8.3	4.7	90.0	55.0
BAR VV-VP3-CT	5.0	2.0	2.0	4.0	80.0	80.0	9.0	4.0	4.0	5.0	50.0	50.0
DLFPS-FRC/3060	0.0	0.0	7.5	7.5	87.5	87.5	9.0	2.5	8.5	4.5	92.5	50.0
CASCADE	1.3	1.0	6.0	6.0	75.0	75.0	8.7	3.0	7.7	4.0	81.7	43.3
RAD-FC44	3.5	5.5	3.0	5.0	77.5	80.0	9.0	4.0	6.5	4.5	67.5	40.0
BAR 6FR 126	.	.	.	.	.	.	.	.	.	.	.	.
LSD VALUE	1.4	4.2	1.4	1.5	6.1	9.2	0.8	2.1	1.2	3.3	14.2	28.6
C.V. (%)	64.5	152.8	10.2	10.2	3.5	5.0	3.0	21.3	7.2	22.5	8.0	19.8

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 9C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS THE
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	PERCENT POA ANNUA		QUALITY		PERCENT COVER		BRUISING		QUALITY		PERCENT COVER	
	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV
RAD-FR33R	1.0	0.0	8.0	8.0	90.0	90.0	9.0	5.0	9.0	5.0	95.0	60.0
PST-4BEN	2.0	1.0	8.0	8.0	88.3	88.3	9.0	4.0	9.0	5.0	91.7	56.7
7C34	0.3	0.3	7.0	7.0	90.0	90.0	9.0	4.3	8.7	5.0	86.7	55.0
CARDINAL II (PPG-FRR 111)	0.7	1.7	7.7	7.7	88.3	88.3	9.0	4.0	8.3	4.7	93.3	50.0
PST-4RUE	1.3	2.0	7.0	7.0	85.0	85.0	9.0	3.7	8.0	4.0	85.0	48.3
MARVEL	2.7	2.3	6.0	6.0	76.7	76.7	9.0	4.7	7.7	4.0	83.3	41.7
PST-4ED4	1.0	1.0	6.7	6.7	88.3	88.3	9.0	4.0	8.7	3.7	88.3	41.7
NAVIGATOR II	1.3	0.3	7.3	7.3	88.3	88.3	9.0	4.0	8.0	4.0	80.0	40.0
PST-4DR4	2.7	2.3	6.3	6.3	86.7	86.7	8.7	3.7	8.3	4.0	81.7	40.0
RAD-FR47	1.5	1.0	6.5	6.5	87.5	87.5	9.0	3.5	8.0	3.5	85.0	40.0
DLFPS-FRR/3068	1.0	1.5	7.5	7.5	95.0	95.0	9.0	4.5	8.5	4.0	87.5	37.5
DLF-FRR 6162	0.3	0.3	6.7	6.7	88.3	88.3	9.0	4.0	8.0	3.3	88.3	35.0
DLFPS-FRR/3069	1.5	3.0	5.5	5.5	80.0	80.0	9.0	4.0	8.0	3.5	87.5	35.0
BOREAL	4.3	4.7	4.3	4.3	66.7	66.7	9.0	3.7	7.0	3.0	78.3	26.7
KENT	4.0	4.0	5.7	5.7	81.7	81.7	9.0	3.3	7.3	3.0	75.0	25.0
LSD VALUE	5.8	4.6	1.8	1.8	8.8	8.8	0.5	2.7	1.5	3.2	14.8	49.7
C.V. (%)	109.5	99.1	13.3	13.3	5.5	5.5	1.8	19.8	7.8	26.8	7.1	38.8

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 9D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS THE
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	PERCENT POA ANNUA		QUALITY		PERCENT COVER		BRUISING		QUALITY		PERCENT COVER	
	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV
JETTY (PPG-FL 106)	1.0	1.3	8.7	8.7	96.3	96.3	9	7.0	8.7	7.0	91.7	80.0
RESOLUTE (7H7)	0.7	0.7	8.0	8.0	97.7	97.7	9	6.7	8.7	7.3	91.7	80.0
GLADIATOR (TH456)	0.0	0.3	9.0	9.0	97.7	97.7	9	6.0	8.7	7.0	93.3	76.7
MINIMUS	0.7	0.7	8.0	8.0	96.3	96.3	9	5.7	8.7	6.3	93.0	75.0
BEACON	1.0	0.0	8.0	8.0	92.5	92.5	9	5.0	8.5	6.5	87.5	72.5
SWORD	3.0	3.0	6.5	7.0	92.5	92.5	9	7.5	8.5	7.0	92.5	70.0
DLFPS-FL/3060	0.0	0.3	8.3	8.3	96.3	96.3	9	5.0	9.0	6.0	95.0	68.3
DLFPS-FL/3066	0.3	0.7	8.3	8.3	95.0	95.0	9	6.0	8.3	5.7	91.7	66.7
PST-4BND	3.5	3.5	5.5	5.5	85.0	85.0	9	7.0	8.5	5.5	92.5	65.0
MNHD-14	1.3	2.3	8.3	8.3	93.3	93.3	9	5.3	8.3	5.3	93.3	63.3
QUATRO	1.0	2.3	4.0	4.0	80.0	80.0	9	5.3	7.7	4.0	83.3	45.0
LSD VALUE	1.7	2.5	1.4	1.2	5.0	5.0	0	1.3	1.7	2.4	11.8	13.3
C.V. (%)	86.1	87.0	10.5	9.0	3.0	3.0	0	11.2	7.1	17.3	5.0	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 9E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS THE
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	PERCENT POA ANNUA		QUALITY		PERCENT COVER		BRUISING		QUALITY		PERCENT COVER	
	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC SEPT	TRAFFIC SEPT	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV	NO TRAFFIC NOV	TRAFFIC NOV
SEAMIST (PPG-FRT 101)	2.0	2.0	6	6.0	85.0	85.0	9.0	4.0	9.0	5.0	95.0	55.0
BEUDIN	15.0	13.3	3	2.7	73.3	71.7	8.3	4.0	6.7	3.0	76.7	36.7
BAR FRT 5002	25.0	27.5	3	3.0	62.5	62.5	6.5	3.5	4.5	2.0	60.0	25.0
SEABREEZE GT	10.0	12.5	3	3.0	75.0	72.5	9.0	3.5	6.5	3.0	75.0	25.0
LSD VALUE	20.9	17.2	0	1.6	17.6	20.1	3.5	4.7	1.6	2.9	13.0	30.6
C.V. (%)	39.5	29.3	0	11.2	7.3	8.7	13.5	42.4	5.7	29.8	3.9	27.0

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

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

TABLE 10A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS													MEAN
	SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
RADAR	97.0	91.3	97.0	4.0	4.0	4.7	6.0	7.0	6.7	6.3	6.0	6.0	7.0	6.7	6.0	5.9	
BEUDIN	96.7	88.7	97.0	4.3	4.7	5.0	5.7	6.0	7.0	6.7	5.3	5.3	6.3	6.7	6.3	5.8	
7C34	95.3	90.0	97.7	3.3	3.3	4.3	6.0	6.3	6.7	6.7	5.3	6.7	7.0	6.3	6.3	5.7	
BAR 6FR 126	96.7	86.0	98.0	4.0	4.3	4.7	6.0	6.0	6.3	6.0	5.3	6.0	6.3	6.7	6.3	5.7	
CARDINAL II (PPG-FRR 111)	94.3	86.3	94.3	3.3	3.3	4.3	6.0	6.3	6.7	6.3	5.7	6.7	7.0	6.7	6.3	5.7	
PST-4BEN	93.7	86.7	96.0	3.3	4.0	4.7	5.7	6.3	6.0	6.3	5.0	6.3	7.0	6.7	6.7	5.7	
BAR FRT 5002	93.3	90.3	97.0	4.0	4.3	4.0	5.3	5.7	6.0	6.3	5.7	6.0	6.7	6.7	6.3	5.6	
BOLSTER (C14-OS3)	96.3	86.7	97.7	3.3	4.3	4.3	6.0	6.3	6.7	6.0	5.0	6.0	6.7	7.0	5.7	5.6	
CASTLE (RAD-FC32)	95.7	89.3	97.3	3.7	3.7	4.0	5.3	6.0	6.0	6.7	6.0	6.0	6.7	7.0	6.3	5.6	
COMPASS II (PPG-FRC 113)	96.7	86.3	94.7	3.7	3.7	4.0	6.0	6.0	6.0	6.7	5.7	6.0	6.7	7.0	6.3	5.6	
DLF-FRC 3338	95.7	88.3	98.7	3.0	3.3	4.0	5.7	5.7	6.7	6.7	5.7	6.0	7.0	6.7	6.3	5.6	
DLFPS-FRC/3057	96.7	84.7	96.3	3.7	4.0	4.3	6.0	6.0	6.7	5.7	5.3	5.7	6.7	6.7	6.0	5.6	
MOMENTUM (PPG-FRC 114)	96.0	90.0	95.7	3.7	3.7	4.3	5.7	6.0	6.7	6.3	6.0	6.7	6.7	6.0	5.7	5.6	
RAD-FR47	93.3	87.7	96.3	3.3	3.7	4.0	5.3	6.3	6.3	6.7	5.7	6.0	7.0	6.7	6.0	5.6	
SEABREEZE GT	94.3	91.0	98.7	3.7	3.7	4.3	5.7	5.7	6.3	6.3	5.7	6.0	7.3	6.7	6.3	5.6	
BEACON	90.0	92.7	97.3	3.7	4.0	4.3	4.7	5.7	6.0	6.3	6.0	6.7	6.0	6.0	6.7	5.5	
DLF-FRR 6162	91.3	90.3	97.0	3.7	4.0	4.3	5.3	6.0	6.0	6.3	6.0	5.7	6.0	6.3	6.0	5.5	
DLFPS-FRC/3060	94.3	89.0	98.7	3.3	3.3	3.7	5.3	6.0	6.3	7.0	5.0	6.0	7.3	6.7	6.0	5.5	
JETTY (PPG-FL 106)	94.7	92.0	96.3	3.3	3.0	3.3	5.7	6.3	7.0	6.0	6.3	6.0	6.7	6.3	6.3	5.5	
PST-4DR4	90.0	88.3	97.0	3.7	3.7	4.0	5.3	5.3	5.7	6.7	5.7	6.3	6.7	6.7	6.3	5.5	
SEAMIST (PPG-FRT 101)	96.3	87.0	97.3	3.7	3.7	4.0	5.7	6.0	6.0	6.7	5.7	6.0	6.3	6.0	6.3	5.5	
CASCADE	93.7	85.7	95.7	3.3	3.3	4.3	5.3	6.0	6.0	6.3	5.0	6.0	7.0	6.3	6.0	5.4	
DLFPS-FRR/3068	95.3	91.3	98.0	3.3	3.7	4.0	5.7	5.3	6.0	6.3	6.0	5.7	6.7	6.7	6.0	5.4	
KENT	90.0	87.7	94.7	4.0	4.0	4.0	5.0	5.7	5.7	6.3	5.7	6.0	6.7	6.3	5.7	5.4	
MARVEL	93.0	88.7	95.7	2.7	3.0	3.7	5.7	6.0	6.0	6.7	5.3	7.0	6.7	6.3	6.3	5.4	
MINIMUS	92.3	88.3	95.3	4.0	4.3	4.0	5.0	5.3	5.7	6.0	5.3	6.3	6.7	6.3	6.0	5.4	
NAVIGATOR II	91.7	86.0	94.3	3.3	3.7	4.0	5.3	6.7	6.3	6.3	5.3	6.0	6.0	6.0	5.7	5.4	
PST-4ED4	91.7	85.3	93.3	3.3	3.0	4.0	5.0	6.3	6.3	6.0	5.7	6.3	6.3	6.3	5.7	5.4	
BAR VV-VP3-CT	96.3	83.3	90.3	3.7	3.7	4.0	5.3	6.0	6.0	6.0	5.0	6.0	6.3	6.0	6.0	5.3	
DLFPS-FL/3066	92.3	91.3	98.0	3.0	3.3	3.3	5.0	5.7	6.0	6.3	6.0	6.0	6.3	6.3	6.0	5.3	
DLFPS-FRR/3069	91.7	88.7	97.0	3.0	3.0	3.7	5.3	6.0	6.0	6.3	5.7	6.3	7.0	6.3	5.3	5.3	
PST-4RUE	90.7	84.3	95.0	3.0	3.0	4.0	5.3	5.3	5.7	6.3	5.3	5.7	6.7	7.0	6.0	5.3	
QUATRO	93.7	91.3	97.3	3.7	4.0	4.3	5.0	5.3	5.3	6.7	5.3	5.7	6.3	6.0	6.0	5.3	
RAD-FC44	94.7	88.0	98.0	3.3	3.7	4.3	5.3	5.7	6.0	6.0	5.3	6.0	6.7	6.0	5.7	5.3	
RESOLUTE (7H7)	94.3	91.7	97.3	3.3	3.3	3.3	4.7	5.3	5.7	6.7	6.0	6.3	6.3	6.3	5.7	5.3	
BOREAL	93.3	87.3	94.3	2.3	3.0	3.0	5.7	6.0	6.0	6.3	6.0	6.0	6.3	6.3	5.7	5.2	
RAD-FR33R	90.3	88.7	95.3	2.3	3.0	4.0	4.7	5.3	5.7	7.0	5.7	5.7	7.0	6.0	6.0	5.2	
DLFPS-FL/3060	91.7	90.7	97.3	3.0	3.3	3.7	4.7	5.0	5.3	6.7	5.7	5.7	6.3	5.7	5.7	5.1	
SWORD	93.3	91.3	97.7	3.7	3.7	3.7	4.0	4.7	5.7	6.3	5.3	5.7	6.3	6.7	6.0	5.1	
GLADIATOR (TH456)	94.7	90.0	97.0	3.3	3.3	3.7	4.3	5.0	5.7	6.7	5.0	5.7	6.0	5.7	5.7	5.0	
MNHD-14	90.3	87.3	94.7	2.7	2.7	2.7	4.3	4.7	6.0	7.0	5.7	5.7	6.7	6.0	6.0	5.0	
PST-4BND	87.7	93.3	97.0	2.3	3.0	3.3	3.7	4.3	5.3	6.3	5.7	6.0	6.7	6.7	6.3	5.0	
LSD VALUE	5.3	4.9	7.4	1.4	1.2	1.3	1.5	1.2	1.1	1.7	1.5	1.1	2.7	3.4	3.6	0.9	
C.V. (%)	2.9	3.0	2.6	18.1	16.1	14.6	13.0	10.6	8.7	7.9	9.3	7.7	10.1	11.9	12.4	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 10B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
	SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RADAR	97.0	91.3	97.0	4.0	4.0	4.7	6.0	7.0	6.7	6.3	6.0	6.0	7.0	6.7	6.0	5.9
BAR 6FR 126	96.7	86.0	98.0	4.0	4.3	4.7	6.0	6.0	6.3	6.0	5.3	6.0	6.3	6.7	6.3	5.7
BOLSTER (C14-OS3)	96.3	86.7	97.7	3.3	4.3	4.3	6.0	6.3	6.7	6.0	5.0	6.0	6.7	7.0	5.7	5.6
CASTLE (RAD-FC32)	95.7	89.3	97.3	3.7	3.7	4.0	5.3	6.0	6.0	6.7	6.0	6.0	6.7	7.0	6.3	5.6
COMPASS II (PPG-FRC 113)	96.7	86.3	94.7	3.7	3.7	4.0	6.0	6.0	6.0	6.7	5.7	6.0	6.7	7.0	6.3	5.6
DLF-FRC 3338	95.7	88.3	98.7	3.0	3.3	4.0	5.7	5.7	6.7	6.7	5.7	6.0	7.0	6.7	6.3	5.6
DLFPS-FRC/3057	96.7	84.7	96.3	3.7	4.0	4.3	6.0	6.0	6.7	5.7	5.3	5.7	6.7	6.7	6.0	5.6
PPG-FRC 114	96.0	90.0	95.7	3.7	3.7	4.3	5.7	6.0	6.7	6.3	6.0	6.7	6.7	6.0	5.7	5.6
DLFPS-FRC/3060	94.3	89.0	98.7	3.3	3.3	3.7	5.3	6.0	6.3	7.0	5.0	6.0	7.3	6.7	6.0	5.5
CASCADE	93.7	85.7	95.7	3.3	3.3	4.3	5.3	6.0	6.0	6.3	5.0	6.0	7.0	6.3	6.0	5.4
BAR VV-VP3-CT	96.3	83.3	90.3	3.7	3.7	4.0	5.3	6.0	6.0	6.0	5.0	6.0	6.3	6.0	6.0	5.3
RAD-FC44	94.7	88.0	98.0	3.3	3.7	4.3	5.3	5.7	6.0	6.0	5.3	6.0	6.7	6.0	5.7	5.3
LSD VALUE	3.3	8.1	9.2	1.5	1.5	1.0	1.4	0.9	0.9	0.9	1.2	0.5	2.4	1.6	1.5	0.5
C.V. (%)	1.5	3.8	3.8	15.4	15.2	9.8	9.2	6.8	6.3	7.1	9.8	4.0	11.3	9.5	8.6	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 10C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS													MEAN
	SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
7C34	95.3	90.0	97.7	3.3	3.3	4.3	6.0	6.3	6.7	6.7	5.3	6.7	7.0	6.3	6.3	5.7	
CARDINAL II (PPG-FRR 111)	94.3	86.3	94.3	3.3	3.3	4.3	6.0	6.3	6.7	6.3	5.7	6.7	7.0	6.7	6.3	5.7	
PST-4BEN	93.7	86.7	96.0	3.3	4.0	4.7	5.7	6.3	6.0	6.3	5.0	6.3	7.0	6.7	6.7	5.7	
RAD-FR47	93.3	87.7	96.3	3.3	3.7	4.0	5.3	6.3	6.3	6.7	5.7	6.0	7.0	6.7	6.0	5.6	
DLF-FRR 6162	91.3	90.3	97.0	3.7	4.0	4.3	5.3	6.0	6.0	6.3	6.0	5.7	6.0	6.3	6.0	5.5	
PST-4DR4	90.0	88.3	97.0	3.7	3.7	4.0	5.3	5.3	5.7	6.7	5.7	6.3	6.7	6.7	6.3	5.5	
DLFPS-FRR/3068	95.3	91.3	98.0	3.3	3.7	4.0	5.7	5.3	6.0	6.3	6.0	5.7	6.7	6.7	6.0	5.4	
KENT	90.0	87.7	94.7	4.0	4.0	4.0	5.0	5.7	5.7	6.3	5.7	6.0	6.7	6.3	5.7	5.4	
MARVEL	93.0	88.7	95.7	2.7	3.0	3.7	5.7	6.0	6.0	6.7	5.3	7.0	6.7	6.3	6.3	5.4	
NAVIGATOR II	91.7	86.0	94.3	3.3	3.7	4.0	5.3	6.7	6.3	6.3	5.3	6.0	6.0	6.0	5.7	5.4	
PST-4ED4	91.7	85.3	93.3	3.3	3.0	4.0	5.0	6.3	6.3	6.0	5.7	6.3	6.3	6.3	5.7	5.4	
DLFPS-FRR/3069	91.7	88.7	97.0	3.0	3.0	3.7	5.3	6.0	6.0	6.3	5.7	6.3	7.0	6.3	5.3	5.3	
PST-4RUE	90.7	84.3	95.0	3.0	3.0	4.0	5.3	5.3	5.7	6.3	5.3	5.7	6.7	7.0	6.0	5.3	
BOREAL	93.3	87.3	94.3	2.3	3.0	3.0	5.7	6.0	6.0	6.3	6.0	6.0	6.3	6.3	5.7	5.2	
RAD-FR33R	90.3	88.7	95.3	2.3	3.0	4.0	4.7	5.3	5.7	7.0	5.7	5.7	7.0	6.0	6.0	5.2	
LSD VALUE	6.8	4.7	6.3	1.5	1.5	1.8	2.0	0.8	1.2	1.7	1.9	1.0	1.2	2.6	2.2	0.8	
C.V. (%)	2.9	2.5	2.4	19.6	17.4	16.1	12.6	7.2	7.9	8.5	10.7	7.8	7.5	11.9	12.2	5.4	

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 10D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
	SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BEACON	90.0	92.7	97.3	3.7	4.0	4.3	4.7	5.7	6.0	6.3	6.0	6.7	6.0	6.0	6.7	5.5
JETTY (PPG-FL 106)	94.7	92.0	96.3	3.3	3.0	3.3	5.7	6.3	7.0	6.0	6.3	6.0	6.7	6.3	6.3	5.5
MINIMUS	92.3	88.3	95.3	4.0	4.3	4.0	5.0	5.3	5.7	6.0	5.3	6.3	6.7	6.3	6.0	5.4
DLFPS-FL/3066	92.3	91.3	98.0	3.0	3.3	3.3	5.0	5.7	6.0	6.3	6.0	6.0	6.3	6.3	6.0	5.3
QUATRO	93.7	91.3	97.3	3.7	4.0	4.3	5.0	5.3	5.3	6.7	5.3	5.7	6.3	6.0	6.0	5.3
RESOLUTE (7H7)	94.3	91.7	97.3	3.3	3.3	3.3	4.7	5.3	5.7	6.7	6.0	6.3	6.3	6.3	5.7	5.3
DLFPS-FL/3060	91.7	90.7	97.3	3.0	3.3	3.7	4.7	5.0	5.3	6.7	5.7	5.7	6.3	5.7	5.7	5.1
SWORD	93.3	91.3	97.7	3.7	3.7	3.7	4.0	4.7	5.7	6.3	5.3	5.7	6.3	6.7	6.0	5.1
GLADIATOR (TH456)	94.7	90.0	97.0	3.3	3.3	3.7	4.3	5.0	5.7	6.7	5.0	5.7	6.0	5.7	5.7	5.0
MNHD-14	90.3	87.3	94.7	2.7	2.7	2.7	4.3	4.7	6.0	7.0	5.7	5.7	6.7	6.0	6.0	5.0
PST-4BND	87.7	93.3	97.0	2.3	3.0	3.3	3.7	4.3	5.3	6.3	5.7	6.0	6.7	6.7	6.3	5.0
LSD VALUE	9.2	4.7	2.1	1.5	1.1	1.6	2.2	2.2	1.7	1.2	1.0	1.7	2.4	2.3	1.9	1.2
C.V. (%)	3.9	2.4	1.1	20.0	16.0	19.1	18.9	16.9	12.0	7.4	8.1	10.5	11.9	12.9	11.3	8.4

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 10E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2017 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
	SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BEUDIN	96.7	88.7	97.0	4.3	4.7	5.0	5.7	6.0	7.0	6.7	5.3	5.3	6.3	6.7	6.3	5.8
BAR FRT 5002	93.3	90.3	97.0	4.0	4.3	4.0	5.3	5.7	6.0	6.3	5.7	6.0	6.7	6.7	6.3	5.6
SEABREEZE GT	94.3	91.0	98.7	3.7	3.7	4.3	5.7	5.7	6.3	6.3	5.7	6.0	7.3	6.7	6.3	5.6
SEAMIST (PPG-FRT 101)	96.3	87.0	97.3	3.7	3.7	4.0	5.7	6.0	6.0	6.7	5.7	6.0	6.3	6.0	6.3	5.5
LSD VALUE	4.9	2.0	3.6	1.1	1.3	1.1	1.9	1.7	1.3	1.4	0.7	0.6	1.1	1.5	2.3	0.6
C.V. (%)	2.3	1.1	1.6	12.0	14.1	11.5	14.6	12.5	9.1	9.2	5.2	4.9	7.5	9.9	15.1	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.

TABLE 11A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

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

NAME	QUALITY RATINGS									MEAN
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-FRC/3057	7.3	8.7	8.7	8.7	8.0	7.3	7.3	7.3	7.3	7.9
JETTY (PPG-FL 106)	6.0	7.0	7.0	7.3	8.3	8.3	8.3	8.3	8.7	7.7
PST-4BND	5.3	6.7	7.0	8.0	8.0	8.3	8.7	8.3	8.7	7.7
BAR VV-VP3-CT	5.7	6.7	7.7	8.0	8.0	8.0	7.7	8.0	7.7	7.5
CASCADE	6.0	8.0	7.3	9.0	8.0	7.0	7.3	7.3	7.3	7.5
COMPASS II (PPG-FRC 113)	6.3	8.0	7.3	8.3	7.7	7.0	7.7	7.0	7.0	7.4
DLF-FRC 3338	6.0	7.0	7.0	8.0	7.7	7.3	8.0	8.0	7.7	7.4
DLF-FRR 6162	5.7	6.3	7.0	8.0	8.0	8.0	8.0	7.7	7.7	7.4
GLADIATOR (TH456)	5.7	6.7	6.7	7.7	7.3	7.7	8.3	8.3	8.0	7.4
DLFPS-FL/3060	6.0	7.0	7.0	8.0	7.3	6.7	7.0	8.7	8.3	7.3
DLFPS-FRC/3060	6.7	8.0	8.3	8.7	7.0	7.3	6.7	6.7	6.7	7.3
BOLSTER (C14-OS3)	5.7	8.0	7.7	8.0	7.0	6.7	6.7	7.0	7.0	7.1
MINIMUS	5.7	7.0	6.0	7.3	8.0	7.7	7.3	7.7	7.0	7.1
SEAMIST (PPG-FRT 101)	5.3	6.0	7.0	8.0	8.0	7.3	7.7	7.3	7.7	7.1
RAD-FC44	6.0	7.0	7.0	7.7	6.7	7.0	7.0	7.3	7.0	7.0
NAVIGATOR II	5.7	6.7	6.0	7.0	6.7	6.7	7.3	7.7	8.0	6.9
MOMENTUM (PPG-FRC 114)	6.0	7.3	7.3	8.0	7.0	5.3	6.0	6.3	7.3	6.7
PST-4BEN	5.0	6.3	6.0	7.0	6.7	7.0	7.7	7.3	7.3	6.7
RAD-FR33R	5.3	7.0	7.0	6.7	7.3	6.7	7.0	6.7	6.7	6.7
BEUDIN	5.0	5.3	5.7	7.0	7.3	7.3	7.0	7.7	7.3	6.6
CASTLE (RAD-FC32)	5.0	6.7	6.3	7.0	7.0	7.0	7.0	7.0	6.7	6.6
DLFPS-FL/3066	6.0	6.3	6.0	7.0	7.0	6.3	7.0	7.0	6.7	6.6
QUATRO	6.0	6.3	6.0	6.7	6.3	6.3	7.0	7.0	7.3	6.6
SWORD	5.0	6.0	6.0	6.3	6.7	7.0	6.7	7.7	8.0	6.6
BEACON	4.7	6.3	6.0	6.7	7.0	6.7	7.0	7.0	7.0	6.5
MNHD-14	6.0	5.0	5.7	6.3	6.3	7.3	7.3	7.3	7.3	6.5
7C34	5.0	5.7	6.0	7.0	7.0	7.0	6.7	7.0	6.7	6.4
DLFPS-FRR/3068	4.3	4.7	6.0	7.0	7.0	7.0	7.7	7.3	7.0	6.4
KENT	5.0	5.7	5.7	7.0	6.7	6.7	7.0	7.0	6.0	6.3
RADAR	5.0	6.0	7.0	7.0	6.7	6.3	6.0	6.3	6.3	6.3
SEABREEZE GT	5.3	5.3	5.3	6.3	7.0	6.3	7.0	6.7	7.0	6.3
BAR 6FR 126	5.0	6.0	5.7	6.0	6.0	7.0	6.7	6.7	6.0	6.1
BAR FRT 5002	5.0	5.3	5.3	6.3	6.3	6.0	6.7	6.3	7.0	6.0
PST-4ED4	5.0	5.7	6.3	6.7	6.3	5.7	6.0	6.3	6.3	6.0
PST-4RUE	4.3	6.3	5.3	6.3	6.3	6.0	6.3	6.0	6.3	5.9
PST-4DR4	4.3	5.3	5.3	6.3	6.3	5.7	6.0	6.3	6.7	5.8
MARVEL	4.0	6.3	6.0	6.3	6.3	5.0	5.7	6.3	5.3	5.7
RAD-FR47	5.0	5.3	5.7	6.0	5.7	5.3	6.0	6.0	6.0	5.7
BOREAL	4.7	5.3	5.7	5.3	5.7	5.3	5.0	5.3	6.3	5.4
RESOLUTE (7H7)	4.0	4.7	4.7	4.3	4.7	4.7	5.7	5.0	5.7	4.8
CARDINAL II (PPG-FRR 111)	3.0	4.7	4.7	5.0	5.7	4.3	4.7	5.3	5.3	4.7
DLFPS-FRR/3069	2.7	3.3	4.7	4.7	4.7	4.3	4.0	4.0	4.3	4.1
LSD VALUE	0.8	1.1	1.1	1.6	1.5	1.7	1.7	1.5	1.5	1.0
C.V. (%)	9.8	11.4	10.6	13.3	12.4	14.8	14.1	12.5	12.1	9.5

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 11B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

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

NAME	MAR	APR	MAY	QUALITY RATINGS		AUG	SEP	OCT	NOV	MEAN
				JUN	JUL					
DLFPS-FRC/3057	7.3	8.7	8.7	8.7	8.0	7.3	7.3	7.3	7.3	7.9
BAR VV-VP3-CT	5.7	6.7	7.7	8.0	8.0	8.0	7.7	8.0	7.7	7.5
CASCADE	6.0	8.0	7.3	9.0	8.0	7.0	7.3	7.3	7.3	7.5
COMPASS II (PPG-FRC 113)	6.3	8.0	7.3	8.3	7.7	7.0	7.7	7.0	7.0	7.4
DLF-FRC 3338	6.0	7.0	7.0	8.0	7.7	7.3	8.0	8.0	7.7	7.4
DLFPS-FRC/3060	6.7	8.0	8.3	8.7	7.0	7.3	6.7	6.7	6.7	7.3
BOLSTER (C14-OS3)	5.7	8.0	7.7	8.0	7.0	6.7	6.7	7.0	7.0	7.1
RAD-FC44	6.0	7.0	7.0	7.7	6.7	7.0	7.0	7.3	7.0	7.0
PPG-FRC 114	6.0	7.3	7.3	8.0	7.0	5.3	6.0	6.3	7.3	6.7
CASTLE (RAD-FC32)	5.0	6.7	6.3	7.0	7.0	7.0	7.0	7.0	6.7	6.6
RADAR	5.0	6.0	7.0	7.0	6.7	6.3	6.0	6.3	6.3	6.3
BAR 6FR 126	5.0	6.0	5.7	6.0	6.0	7.0	6.7	6.7	6.0	6.1
LSD VALUE	1.1	1.2	1.5	1.5	1.4	1.5	1.3	1.4	1.2	0.8
C.V. (%)	10.6	9.5	10.9	10.2	9.8	10.6	9.4	9.3	8.2	6.4

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 11C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

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

NAME	MAR	APR	MAY	QUALITY RATINGS			AUG	SEP	OCT	NOV	MEAN
				JUN	JUL						
DLF-FRR 6162	5.7	6.3	7.0	8.0	8.0	8.0	8.0	7.7	7.7	7.4	
NAVIGATOR II	5.7	6.7	6.0	7.0	6.7	6.7	7.3	7.7	8.0	6.9	
PST-4BEN	5.0	6.3	6.0	7.0	6.7	7.0	7.7	7.3	7.3	6.7	
RAD-FR33R	5.3	7.0	7.0	6.7	7.3	6.7	7.0	6.7	6.7	6.7	
7C34	5.0	5.7	6.0	7.0	7.0	7.0	6.7	7.0	6.7	6.4	
DLFPS-FRR/3068	4.3	4.7	6.0	7.0	7.0	7.0	7.7	7.3	7.0	6.4	
KENT	5.0	5.7	5.7	7.0	6.7	6.7	7.0	7.0	6.0	6.3	
PST-4ED4	5.0	5.7	6.3	6.7	6.3	5.7	6.0	6.3	6.3	6.0	
PST-4RUE	4.3	6.3	5.3	6.3	6.3	6.0	6.3	6.0	6.3	5.9	
PST-4DR4	4.3	5.3	5.3	6.3	6.3	5.7	6.0	6.3	6.7	5.8	
MARVEL	4.0	6.3	6.0	6.3	6.3	5.0	5.7	6.3	5.3	5.7	
RAD-FR47	5.0	5.3	5.7	6.0	5.7	5.3	6.0	6.0	6.0	5.7	
BOREAL	4.7	5.3	5.7	5.3	5.7	5.3	5.0	5.3	6.3	5.4	
CARDINAL II (PPG-FRR 111)	3.0	4.7	4.7	5.0	5.7	4.3	4.7	5.3	5.3	4.7	
DLFPS-FRR/3069	2.7	3.3	4.7	4.7	4.7	4.3	4.0	4.0	4.3	4.1	
LSD VALUE	0.6	1.1	1.3	1.6	1.3	1.3	1.7	1.4	1.3	0.9	
C.V. (%)	9.0	11.6	11.7	13.4	11.2	12.6	15.1	13.0	12.1	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 11D. MEAN TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

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

NAME	MAR	APR	MAY	QUALITY RATINGS			SEP	OCT	NOV	MEAN
				JUN	JUL	AUG				
JETTY (PPG-FL 106)	6.0	7.0	7.0	7.3	8.3	8.3	8.3	8.3	8.7	7.7
PST-4BND	5.3	6.7	7.0	8.0	8.0	8.3	8.7	8.3	8.7	7.7
GLADIATOR (TH456)	5.7	6.7	6.7	7.7	7.3	7.7	8.3	8.3	8.0	7.4
DLFPS-FL/3060	6.0	7.0	7.0	8.0	7.3	6.7	7.0	8.7	8.3	7.3
MINIMUS	5.7	7.0	6.0	7.3	8.0	7.7	7.3	7.7	7.0	7.1
DLFPS-FL/3066	6.0	6.3	6.0	7.0	7.0	6.3	7.0	7.0	6.7	6.6
QUATRO	6.0	6.3	6.0	6.7	6.3	6.3	7.0	7.0	7.3	6.6
SWORD	5.0	6.0	6.0	6.3	6.7	7.0	6.7	7.7	8.0	6.6
BEACON	4.7	6.3	6.0	6.7	7.0	6.7	7.0	7.0	7.0	6.5
MNHD-14	6.0	5.0	5.7	6.3	6.3	7.3	7.3	7.3	7.3	6.5
RESOLUTE (7H7)	4.0	4.7	4.7	4.3	4.7	4.7	5.7	5.0	5.7	4.8
LSD VALUE	0.8	1.4	1.1	1.7	1.9	2.5	2.7	1.8	1.9	1.3
C.V. (%)	8.6	11.7	9.8	13.4	14.3	17.0	16.2	12.6	12.5	10.5

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 11E. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

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

NAME	MAR	APR	MAY	QUALITY RATINGS			SEP	OCT	NOV	MEAN
				JUN	JUL	AUG				
SEAMIST (PPG-FRT 101)	5.3	6.0	7.0	8.0	8.0	7.3	7.7	7.3	7.7	7.1
BEUDIN	5.0	5.3	5.7	7.0	7.3	7.3	7.0	7.7	7.3	6.6
SEABREEZE GT	5.3	5.3	5.3	6.3	7.0	6.3	7.0	6.7	7.0	6.3
BAR FRT 5002	5.0	5.3	5.3	6.3	6.3	6.0	6.7	6.3	7.0	6.0
LSD VALUE	0.8	1.3	0.7	1.8	2.3	1.9	0.7	1.5	1.6	0.8
C.V. (%)	6.5	10.5	6.4	12.0	14.1	12.8	4.7	9.5	9.5	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 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-FRR 6162	6.7	6.7	6.0	6.0	6.3	6.0	6.0	6.3	6.7	6.3	6.0	6.0	6.7	6.7	6.3
MINIMUS	7.0	6.3	6.3	6.7	6.0	6.0	6.3	6.3	6.3	6.7	6.0	6.0	6.3	6.7	6.3
JETTY (PPG-FL 106)	6.7	6.7	6.0	6.0	6.0	5.7	5.7	6.0	6.7	6.3	6.3	5.7	6.0	6.3	6.1
SWORD	6.3	6.7	6.0	6.0	6.0	5.7	6.0	6.3	6.7	6.3	6.0	6.3	6.0	5.7	6.1
GLADIATOR (TH456)	6.7	6.7	6.0	5.7	5.7	6.0	6.0	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.0
PST-4BND	6.7	6.7	5.7	5.7	5.7	5.7	5.7	6.3	6.7	6.7	6.7	5.7	6.0	6.0	6.0
PST-4BEN	5.3	6.0	5.3	6.0	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.7	5.7	6.3	5.7
7C34	6.3	5.3	5.0	5.0	5.7	5.0	5.3	6.0	6.0	5.7	5.7	6.0	6.0	6.0	5.6
BEACON	6.3	6.0	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.3	5.7	5.7	5.3	5.6
BEUDIN	6.7	5.3	5.3	5.3	5.3	5.7	5.3	5.0	6.0	5.7	6.0	5.7	6.0	6.3	5.6
BOLSTER (C14-OS3)	5.3	5.7	5.3	5.0	4.7	5.0	5.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	5.6
CASCADE	6.3	6.0	5.7	5.3	5.3	5.0	5.3	5.7	6.3	6.0	6.0	5.3	5.7	5.7	5.6
PST-4ED4	5.7	5.7	5.3	5.7	5.7	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	6.0	5.6
RESOLUTE (7H7)	6.0	5.7	5.3	5.3	5.3	5.0	5.3	6.0	6.0	6.0	6.0	5.7	5.7	5.3	5.6
MNHD-14	6.7	6.7	5.7	5.7	5.0	5.0	5.7	6.0	6.3	6.0	6.0	5.7	4.7	4.7	5.5
DLF-FRC 3338	6.0	5.3	5.3	5.3	5.0	5.0	5.3	5.3	5.7	6.0	5.3	5.7	5.7	5.0	5.4
DLFPS-FL/3060	6.3	5.7	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.7	6.0	5.3	4.7	4.7	5.4
PST-4DR4	5.7	5.0	5.7	5.7	4.7	5.0	5.0	5.7	6.0	6.0	6.0	5.0	5.7	5.0	5.4
PST-4RUE	5.3	5.7	5.3	5.3	5.3	5.0	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.0	5.4
QUATRO	6.0	5.7	5.7	5.7	5.0	5.0	5.0	5.7	6.0	6.0	5.3	5.7	4.7	5.7	5.4
RAD-FR47	6.3	6.0	5.3	5.0	5.0	4.7	5.0	5.7	5.7	5.7	5.7	5.7	5.3	6.0	5.4
SEABREEZE GT	6.0	5.3	5.0	5.3	5.0	5.0	5.0	5.7	6.0	5.7	6.0	5.7	5.0	5.3	5.4
SEAMIST (PPG-FRT 101)	6.3	5.7	5.3	5.0	5.0	4.7	5.0	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.4
BAR FRT 5002	6.7	5.0	4.7	5.0	5.0	5.0	5.3	5.0	6.0	5.7	5.7	5.3	5.3	5.7	5.3
BAR VV-VP3-CT	6.7	5.0	5.0	5.0	5.0	5.0	4.7	5.0	6.0	6.0	5.0	5.7	5.3	5.7	5.3
CASTLE (RAD-FC32)	6.3	5.0	5.3	5.3	4.7	4.3	5.0	5.0	5.7	5.7	5.7	5.3	5.3	5.7	5.3
MARVEL	5.7	5.3	5.0	5.0	4.7	4.3	5.3	6.0	6.0	6.0	5.7	5.7	5.0	4.7	5.3
CARDINAL II (PPG-FRR 111)	5.3	5.7	5.0	5.0	5.0	4.7	5.3	5.7	5.7	5.3	5.7	6.0	5.0	4.3	5.2
DLFPS-FRC/3057	5.7	6.0	5.3	5.3	5.0	4.3	4.7	5.0	5.7	5.7	5.3	5.7	5.3	5.3	5.2
DLFPS-FRR/3069	6.0	5.7	5.3	5.3	5.0	4.7	4.7	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.2
BOREAL	6.3	5.7	4.3	4.7	4.7	5.0	5.0	5.3	5.7	6.0	5.3	5.0	5.3	5.3	5.1
DLFPS-FL/3066	5.7	5.7	4.7	5.0	5.0	5.0	5.3	5.7	6.0	5.7	5.3	5.0	4.7	4.3	5.1
KENT	5.7	5.0	5.0	5.0	5.0	4.7	4.3	5.0	5.3	5.7	5.3	5.3	5.7	5.0	5.1
NAVIGATOR II	6.0	5.3	4.7	4.7	4.3	4.3	4.7	4.7	5.7	6.3	5.7	5.3	5.3	5.0	5.1
MOMENTUM (PPG-FRC 114)	5.3	5.7	4.7	4.7	4.7	4.0	4.3	5.3	5.7	5.7	5.7	5.7	5.7	5.0	5.1
RAD-FR33R	5.7	5.3	4.7	4.3	4.7	4.0	5.0	5.3	6.0	5.7	5.3	5.7	5.3	5.0	5.1
RADAR	6.0	6.3	5.0	5.3	5.0	4.7	4.7	5.7	5.7	5.7	5.7	5.3	4.7	4.0	5.1
COMPASS II (PPG-FRC 113)	4.7	5.3	5.0	5.3	5.0	4.3	4.7	5.3	5.3	5.0	5.7	5.0	5.0	4.3	5.0
DLFPS-FRC/3060	6.3	5.3	4.0	4.3	4.7	4.3	4.3	5.0	5.7	5.3	5.3	5.7	5.3	5.0	4.9
DLFPS-FRR/3068	6.0	5.3	4.3	4.3	4.3	4.3	4.7	5.3	5.3	6.0	5.3	5.0	5.0	5.0	4.9
RAD-FC44	6.0	5.3	4.3	4.3	4.0	4.0	4.3	4.7	5.7	5.7	5.3	5.7	5.0	5.0	4.8
BAR 6FR 126	5.3	5.3	4.0	4.0	3.7	3.7	4.7	4.7	5.7	5.7	5.7	5.0	4.7	4.0	4.6
LSD VALUE	1.9	1.9	1.7	1.5	1.9	1.4	1.8	1.1	1.7	1.5	1.7	1.3	1.6	4.7	1.3
C.V. (%)	12.1	12.9	14.1	13.1	14.8	14.1	13.7	10.0	9.4	8.8	9.3	8.7	12.2	23.2	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 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BOLSTER (C14-OS3)	5.3	5.7	5.3	5.0	4.7	5.0	5.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	5.6
CASCADE	6.3	6.0	5.7	5.3	5.3	5.0	5.3	5.7	6.3	6.0	6.0	5.3	5.7	5.7	5.6
DLF-FRC 3338	6.0	5.3	5.3	5.3	5.0	5.0	5.3	5.3	5.7	6.0	5.3	5.7	5.7	5.0	5.4
BAR VV-VP3-CT	6.7	5.0	5.0	5.0	5.0	5.0	4.7	5.0	6.0	6.0	5.0	5.7	5.3	5.7	5.3
CASTLE (RAD-FC32)	6.3	5.0	5.3	5.3	4.7	4.3	5.0	5.0	5.7	5.7	5.7	5.3	5.3	5.7	5.3
DLFPS-FRC/3057	5.7	6.0	5.3	5.3	5.0	4.3	4.7	5.0	5.7	5.7	5.3	5.7	5.3	5.3	5.2
PPG-FRC 114	5.3	5.7	4.7	4.7	4.7	4.0	4.3	5.3	5.7	5.7	5.7	5.7	5.7	5.0	5.1
RADAR	6.0	6.3	5.0	5.3	5.0	4.7	4.7	5.7	5.7	5.7	5.7	5.3	4.7	4.0	5.1
COMPASS II (PPG-FRC 113)	4.7	5.3	5.0	5.3	5.0	4.3	4.7	5.3	5.3	5.0	5.7	5.0	5.0	4.3	5.0
DLFPS-FRC/3060	6.3	5.3	4.0	4.3	4.7	4.3	4.3	5.0	5.7	5.3	5.3	5.7	5.3	5.0	4.9
RAD-FC44	6.0	5.3	4.3	4.3	4.0	4.0	4.3	4.7	5.7	5.7	5.3	5.7	5.0	5.0	4.8
BAR 6FR 126	5.3	5.3	4.0	4.0	3.7	3.7	4.7	4.7	5.7	5.7	5.7	5.0	4.7	4.0	4.6
LSD VALUE	1.9	1.7	2.1	1.9	2.3	2.3	2.1	1.4	1.5	1.5	1.6	1.4	2.0	4.2	1.8
C.V. (%)	13.6	12.2	17.3	15.5	18.0	18.6	15.4	10.8	9.2	9.3	10.4	9.4	13.7	28.5	11.9

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 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-FRR 6162	6.7	6.7	6.0	6.0	6.3	6.0	6.0	6.3	6.7	6.3	6.0	6.0	6.7	6.7	6.3
PST-4BEN	5.3	6.0	5.3	6.0	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.7	5.7	6.3	5.7
7C34	6.3	5.3	5.0	5.0	5.7	5.0	5.3	6.0	6.0	5.7	5.7	6.0	6.0	6.0	5.6
PST-4ED4	5.7	5.7	5.3	5.7	5.7	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	6.0	5.6
PST-4DR4	5.7	5.0	5.7	5.7	4.7	5.0	5.0	5.7	6.0	6.0	6.0	5.0	5.7	5.0	5.4
PST-4RUE	5.3	5.7	5.3	5.3	5.3	5.0	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.0	5.4
RAD-FR47	6.3	6.0	5.3	5.0	5.0	4.7	5.0	5.7	5.7	5.7	5.7	5.7	5.3	6.0	5.4
MARVEL	5.7	5.3	5.0	5.0	4.7	4.3	5.3	6.0	6.0	6.0	5.7	5.7	5.0	4.7	5.3
CARDINAL II (PPG-FRR 111)	5.3	5.7	5.0	5.0	5.0	4.7	5.3	5.7	5.7	5.3	5.7	6.0	5.0	4.3	5.2
DLFES-FRR/3069	6.0	5.7	5.3	5.3	5.0	4.7	4.7	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.2
BOREAL	6.3	5.7	4.3	4.7	4.7	5.0	5.0	5.3	5.7	6.0	5.3	5.0	5.3	5.3	5.1
KENT	5.7	5.0	5.0	5.0	5.0	4.7	4.3	5.0	5.3	5.7	5.3	5.3	5.7	5.0	5.1
NAVIGATOR II	6.0	5.3	4.7	4.7	4.3	4.3	4.7	4.7	5.7	6.3	5.7	5.3	5.3	5.0	5.1
RAD-FR33R	5.7	5.3	4.7	4.3	4.7	4.0	5.0	5.3	6.0	5.7	5.3	5.7	5.3	5.0	5.1
DLFES-FRR/3068	6.0	5.3	4.3	4.3	4.3	4.3	4.7	5.3	5.3	6.0	5.3	5.0	5.0	5.0	4.9
LSD VALUE	2.5	2.0	1.9	1.4	1.9	1.9	1.6	1.3	1.8	1.4	1.4	0.9	1.8	4.5	1.4
C.V. (%)	14.2	13.1	14.4	12.6	15.7	15.8	12.8	10.3	10.8	8.4	8.4	7.7	12.5	26.7	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 12D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	QUALITY RATINGS												MEAN	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
MINIMUS	7.0	6.3	6.3	6.7	6.0	6.0	6.3	6.3	6.3	6.3	6.7	6.0	6.0	6.3	6.7	6.3
JETTY (PPG-FL 106)	6.7	6.7	6.0	6.0	6.0	5.7	5.7	6.0	6.7	6.3	6.3	6.3	5.7	6.0	6.3	6.1
SWORD	6.3	6.7	6.0	6.0	6.0	5.7	6.0	6.3	6.7	6.3	6.0	6.3	6.0	6.0	5.7	6.1
GLADIATOR (TH456)	6.7	6.7	6.0	5.7	5.7	6.0	6.0	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.0	6.0
PST-4BND	6.7	6.7	5.7	5.7	5.7	5.7	5.7	6.3	6.7	6.7	6.7	5.7	6.0	6.0	6.0	6.0
BEACON	6.3	6.0	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.3	5.6
RESOLUTE (7H7)	6.0	5.7	5.3	5.3	5.3	5.0	5.3	6.0	6.0	6.0	6.0	5.7	5.7	5.3	5.6	
MNHD-14	6.7	6.7	5.7	5.7	5.0	5.0	5.7	6.0	6.3	6.0	6.0	5.7	4.7	4.7	5.5	
DLFPS-FL/3060	6.3	5.7	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.7	6.0	5.3	4.7	4.7	5.4	
QUATRO	6.0	5.7	5.7	5.7	5.0	5.0	5.0	5.7	6.0	6.0	5.3	5.7	4.7	5.7	5.4	
DLFPS-FL/3066	5.7	5.7	4.7	5.0	5.0	5.0	5.3	5.7	6.0	5.7	5.3	5.0	4.7	4.3	5.1	
LSD VALUE	1.1	1.8	1.3	1.6	1.5	1.0	1.2	1.3	1.2	1.0	1.4	1.2	0.9	1.5	0.8	
C.V. (%)	7.7	11.6	10.4	11.5	10.9	8.8	9.2	8.2	8.3	7.3	10.1	9.0	9.7	13.9	6.9	

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 12E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BEUDIN	6.7	5.3	5.3	5.3	5.3	5.7	5.3	5.0	6.0	5.7	6.0	5.7	6.0	6.3	5.6
SEABREEZE GT	6.0	5.3	5.0	5.3	5.0	5.0	5.0	5.7	6.0	5.7	6.0	5.7	5.0	5.3	5.4
SEAMIST (PPG-FRT 101)	6.3	5.7	5.3	5.0	5.0	4.7	5.0	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.4
BAR FRT 5002	6.7	5.0	4.7	5.0	5.0	5.0	5.3	5.0	6.0	5.7	5.7	5.3	5.3	5.7	5.3
LSD VALUE	1.3	2.2	2.3	2.0	1.8	1.0	2.1	1.0	1.2	1.8	1.0	1.5	2.1	2.7	1.4
C.V. (%)	8.6	17.7	19.4	16.1	15.0	8.7	17.1	8.3	8.3	13.3	7.6	11.6	16.3	20.4	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 13A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEAMIST (PPG-FRT 101)	7.0	7.3	6.3	6.7	6.7	7.7	7.0	6.3	6.7	7.0	6.3	6.0	6.0	6.7
BEUDIN	6.0	7.0	6.7	6.7	7.0	6.7	6.7	5.7	5.3	6.3	6.3	6.0	6.3	6.4
MOMENTUM (PPG-FRC 114)	7.3	6.7	6.0	6.3	6.3	7.0	6.7	6.0	6.3	6.3	6.7	5.7	6.3	6.4
BAR FRT 5002	6.7	6.0	7.0	7.0	6.3	7.0	6.3	5.7	5.7	6.3	6.3	6.7	5.3	6.3
CARDINAL II (PPG-FRR 111)	7.0	6.3	6.0	6.0	6.0	6.7	6.3	6.0	6.3	6.3	7.0	6.3	6.0	6.3
NAVIGATOR II	7.0	6.3	5.7	6.3	6.3	7.0	7.0	6.3	6.7	6.3	5.7	6.3	5.3	6.3
RAD-FR47	7.0	6.3	6.0	6.7	6.0	6.7	7.0	6.0	6.0	6.3	6.7	6.3	6.0	6.3
7C34	7.0	6.3	5.7	6.0	6.3	6.7	6.7	5.7	6.7	6.7	6.0	6.0	5.3	6.2
COMPASS II (PPG-FRC 113)	7.0	6.3	6.0	6.3	6.3	6.7	5.7	5.3	5.7	6.0	7.3	5.7	7.0	6.2
DLF-FRC 3338	7.0	6.7	6.0	6.0	6.3	7.3	6.3	5.7	6.0	6.0	6.3	6.0	6.0	6.2
PST-4BEN	7.0	6.3	6.0	6.3	6.0	7.0	6.7	6.7	6.0	6.3	5.7	6.7	5.0	6.2
DLF-FRR 6162	6.7	6.7	6.3	6.3	6.0	6.3	6.0	5.3	5.7	6.3	5.7	6.3	5.7	6.1
PST-4DR4	6.0	6.0	5.7	6.0	5.7	6.7	6.0	6.3	6.0	5.7	6.3	6.3	6.0	6.1
PST-4RUE	7.0	6.0	5.3	6.0	5.7	7.0	6.7	6.0	6.0	7.0	6.0	6.3	5.7	6.1
RADAR	7.0	6.3	6.7	6.3	6.7	6.3	6.0	5.7	5.3	5.7	6.7	5.7	6.0	6.1
DLFPS-FRC/3060	7.0	6.3	6.0	6.0	6.0	6.7	5.7	6.0	6.0	6.0	6.0	5.3	6.3	6.0
DLFPS-FRR/3068	6.7	6.3	6.3	5.7	6.7	6.0	5.7	5.7	5.0	6.0	6.3	6.0	6.3	6.0
MARVEL	6.3	6.0	5.7	6.0	5.7	6.3	6.3	6.3	6.0	6.0	5.7	6.0	5.7	6.0
RAD-FC44	7.3	6.3	6.3	6.7	6.3	6.7	6.3	5.0	5.3	5.7	6.0	5.3	6.3	6.0
BOLSTER (C14-OS3)	7.0	6.0	6.3	6.0	6.3	6.0	5.7	5.3	5.3	5.7	6.3	6.0	6.3	5.9
DLFPS-FRC/3057	7.0	6.3	5.3	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.3	5.9
PST-4ED4	7.3	6.0	5.7	5.7	5.0	6.0	6.3	6.3	6.3	6.3	5.7	5.7	5.3	5.9
RAD-FR33R	6.7	6.0	5.7	5.7	6.0	7.0	6.3	6.0	5.7	5.3	5.3	5.7	6.0	5.9
KENT	7.0	6.0	5.7	5.7	6.0	6.3	6.3	5.3	5.7	6.3	5.0	5.7	5.7	5.8
CASTLE (RAD-FC32)	7.7	6.7	5.7	6.0	4.7	6.0	5.3	4.7	5.3	5.7	5.7	5.7	6.0	5.6
MNHD-14	7.7	6.3	6.0	6.3	5.7	6.0	5.0	5.3	5.3	5.3	4.7	5.3	5.3	5.6
SEABREEZE GT	6.7	5.3	5.7	5.3	5.3	6.0	5.3	6.0	5.7	5.7	6.0	5.3	6.0	5.6
DLFPS-FRR/3069	6.7	5.7	6.0	5.3	5.0	6.3	5.7	5.7	5.3	5.7	5.7	5.7	4.3	5.5
BAR VV-VP3-CT	6.7	6.0	5.7	6.3	5.0	6.3	4.7	4.0	5.0	5.3	5.7	5.0	5.3	5.4
DLFPS-FL/3060	7.3	5.7	5.7	5.3	5.0	6.0	5.3	6.0	5.3	5.0	5.7	5.0	5.3	5.4
JETTY (PPG-FL 106)	7.7	5.7	5.3	4.7	4.7	6.0	5.3	5.7	5.7	5.3	5.7	5.3	5.3	5.4
RESOLUTE (7H7)	7.3	6.0	5.0	5.0	5.0	6.0	5.3	5.7	5.3	5.7	5.3	5.0	5.7	5.4
SWORD	7.7	6.0	5.7	5.3	4.7	5.0	4.7	5.3	5.0	5.7	6.0	5.7	6.0	5.4
BAR 6FR 126	7.0	6.0	5.7	6.3	6.3	6.3	5.3	4.7	5.0	4.7	4.7	4.3	4.7	5.3
CASCADE	7.0	6.0	5.7	5.3	4.7	5.3	5.0	4.7	5.0	5.3	5.0	5.7	5.7	5.3
GLADIATOR (TH456)	7.3	6.0	5.7	5.3	4.3	5.3	5.0	5.0	5.0	5.3	5.7	5.0	5.3	5.3
BOREAL	7.0	5.3	5.3	5.0	5.0	5.7	5.0	4.7	5.0	5.0	5.0	5.3	5.7	5.2
DLFPS-FL/3066	7.0	6.0	5.7	5.7	4.0	5.3	4.0	5.0	5.3	5.0	5.7	5.3	5.3	5.2
BEACON	6.7	6.3	5.0	4.7	3.7	4.3	4.3	5.3	5.3	5.3	5.3	5.3	5.7	5.1
QUATRO	7.3	6.0	6.3	6.0	5.0	5.3	4.0	4.3	4.3	4.7	4.7	4.7	5.7	5.1
MINIMUS	6.3	5.7	5.0	5.0	4.0	4.7	4.3	4.3	5.0	5.3	5.3	5.3	5.0	4.9
PST-4BND	6.3	5.7	5.0	4.3	3.3	4.3	4.0	5.0	5.0	5.3	5.0	5.0	5.0	4.8
LSD VALUE	1.8	1.0	1.5	1.0	2.1	1.5	1.4	1.9	1.5	1.3	1.5	1.1	1.8	0.7
C.V. (%)	9.0	7.8	10.8	9.8	18.8	12.9	14.4	15.0	12.3	11.1	12.8	10.1	12.6	7.3

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. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/ 2017 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	PINK SNOW MOLD	COLOR OCTOBER	COLOR DECEMBER
SEAMIST (PPG-FRT 101)	7.0	7.0	6.3	5.7	6.7	6.3	6.3
BEUDIN	6.7	6.3	6.0	5.7	7.3	6.3	7.0
MOMENTUM (PPG-FRC 114)	6.0	6.3	6.0	6.0	6.0	6.3	6.7
BAR FRT 5002	7.0	5.7	6.0	4.7	8.0	6.3	6.0
CARDINAL II (PPG-FRR 111)	6.0	6.3	6.3	6.0	5.0	6.7	6.7
NAVIGATOR II	6.7	7.0	6.3	4.7	5.0	6.3	6.0
RAD-FR47	6.7	7.0	6.0	5.0	6.3	6.7	7.0
7C34	6.0	6.3	6.3	5.0	5.7	6.7	5.7
COMPASS II (PPG-FRC 113)	6.3	6.0	6.3	6.3	6.3	6.7	6.7
DLF-FRC 3338	6.0	5.7	6.3	5.7	5.7	6.3	6.0
PST-4BEN	6.3	6.0	6.7	4.7	5.0	6.3	6.3
DLF-FRR 6162	6.7	5.7	6.3	5.3	6.0	6.7	6.3
PST-4DR4	5.7	5.7	6.3	4.7	5.7	6.3	5.7
PST-4RUE	6.0	6.3	6.7	5.3	6.0	6.7	6.0
RADAR	6.3	6.0	6.0	6.3	6.7	6.7	6.7
DLFPS-FRC/3060	6.0	6.3	5.7	7.3	6.0	6.3	6.3
DLFPS-FRR/3068	5.7	6.0	5.7	6.0	7.3	6.7	6.3
MARVEL	6.0	6.7	6.3	5.0	5.7	6.7	6.0
RAD-FC44	6.0	6.3	5.7	7.0	7.0	6.3	6.7
BOLSTER (C14-OS3)	6.3	6.0	5.7	6.3	7.3	6.3	7.0
DLFPS-FRC/3057	5.7	6.0	6.0	6.0	5.7	6.3	6.3
PST-4ED4	6.0	6.0	5.3	4.7	6.0	6.3	6.0
RAD-FR33R	5.7	6.7	6.0	6.0	6.7	6.3	6.3
KENT	6.0	5.7	5.7	5.0	6.3	6.3	6.0
CASTLE (RAD-FC32)	5.7	5.3	5.3	5.0	6.7	6.3	6.3
MNHD-14	5.7	5.3	5.0	5.0	7.0	6.0	7.0
SEABREEZE GT	6.0	5.3	5.7	5.7	6.7	6.0	5.7
DLFPS-FRR/3069	5.7	5.3	5.3	5.7	6.3	6.7	5.7
BAR VV-VP3-CT	6.3	5.3	5.0	6.3	7.0	6.7	7.0
DLFPS-FL/3060	5.3	5.7	5.0	6.0	7.3	6.3	6.7
JETTY (PPG-FL 106)	5.3	5.3	5.3	6.0	6.3	6.0	6.0
RESOLUTE (7H7)	5.0	5.3	5.3	5.7	7.3	6.7	6.7
SWORD	4.7	4.7	5.3	5.0	7.0	6.7	7.0
BAR 6FR 126	6.3	5.7	4.3	5.0	7.0	6.0	6.0
CASCADE	5.7	4.7	4.7	4.7	6.3	6.0	5.7
GLADIATOR (TH456)	5.3	5.0	5.0	5.0	7.0	6.0	6.7
BOREAL	5.3	4.7	4.7	5.0	6.0	6.3	6.0
DLFPS-FL/3066	5.3	4.3	5.0	5.7	7.0	6.7	7.0
BEACON	4.7	4.7	5.0	5.0	4.7	5.7	6.3
QUATRO	6.0	4.3	5.0	6.3	7.0	6.0	7.0
MINIMUS	5.7	4.3	5.3	6.3	6.0	6.3	6.0
PST-4BND	4.3	4.3	4.7	5.7	5.0	6.0	6.7
LSD VALUE	1.1	1.5	1.2	1.2	1.6	2.2	1.3
C.V. (%)	10.1	14.4	11.5	12.3	13.3	8.4	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 13B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	GENETIC COLOR	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/												MEAN
		JAN	FEB	MAR	APR	MAY	QUALITY JUN	RATINGS JUL	AUG	SEP	OCT	NOV	DEC	
PPG-FRC 114	7.3	6.7	6.0	6.3	6.3	7.0	6.7	6.0	6.3	6.3	6.7	5.7	6.3	6.4
COMPASS II (PPG-FRC 113)	7.0	6.3	6.0	6.3	6.3	6.7	5.7	5.3	5.7	6.0	7.3	5.7	7.0	6.2
DLF-FRC 3338	7.0	6.7	6.0	6.0	6.3	7.3	6.3	5.7	6.0	6.0	6.3	6.0	6.0	6.2
RADAR	7.0	6.3	6.7	6.3	6.7	6.3	6.0	5.7	5.3	5.7	6.7	5.7	6.0	6.1
DLFPS-FRC/3060	7.0	6.3	6.0	6.0	6.0	6.7	5.7	6.0	6.0	6.0	6.0	5.3	6.3	6.0
RAD-FC44	7.3	6.3	6.3	6.7	6.3	6.7	6.3	5.0	5.3	5.7	6.0	5.3	6.3	6.0
BOLSTER (C14-OS3)	7.0	6.0	6.3	6.0	6.3	6.0	5.7	5.3	5.3	5.7	6.3	6.0	6.3	5.9
DLFPS-FRC/3057	7.0	6.3	5.3	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.3	5.9
CASTLE (RAD-FC32)	7.7	6.7	5.7	6.0	4.7	6.0	5.3	4.7	5.3	5.7	5.7	5.7	6.0	5.6
BAR VV-VP3-CT	6.7	6.0	5.7	6.3	5.0	6.3	4.7	4.0	5.0	5.3	5.7	5.0	5.3	5.4
BAR 6FR 126	7.0	6.0	5.7	6.3	6.3	6.3	5.3	4.7	5.0	4.7	4.7	4.3	4.7	5.3
CASCADE	7.0	6.0	5.7	5.3	4.7	5.3	5.0	4.7	5.0	5.3	5.0	5.7	5.7	5.3
LSD VALUE	0.8	1.4	1.9	1.0	1.9	1.1	2.0	2.2	1.9	1.5	1.1	1.6	1.5	0.8
C.V. (%)	4.9	8.0	11.6	7.5	15.0	8.7	14.4	17.5	13.1	11.0	10.4	11.9	11.5	6.6

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 13B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS IN THE GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/ 2017 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/						
	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	PINK SNOW MOLD	COLOR OCTOBER	COLOR DECEMBER
PPG-FRC 114	6.0	6.3	6.0	6.0	6.0	6.3	6.7
COMPASS II (PPG-FRC 113)	6.3	6.0	6.3	6.3	6.3	6.7	6.7
DLF-FRC 3338	6.0	5.7	6.3	5.7	5.7	6.3	6.0
RADAR	6.3	6.0	6.0	6.3	6.7	6.7	6.7
DLFPS-FRC/3060	6.0	6.3	5.7	7.3	6.0	6.3	6.3
RAD-FC44	6.0	6.3	5.7	7.0	7.0	6.3	6.7
BOLSTER (C14-OS3)	6.3	6.0	5.7	6.3	7.3	6.3	7.0
DLFPS-FRC/3057	5.7	6.0	6.0	6.0	5.7	6.3	6.3
CASTLE (RAD-FC32)	5.7	5.3	5.3	5.0	6.7	6.3	6.3
BAR VV-VP3-CT	6.3	5.3	5.0	6.3	7.0	6.7	7.0
BAR 6FR 126	6.3	5.7	4.3	5.0	7.0	6.0	6.0
CASCADE	5.7	4.7	4.7	4.7	6.3	6.0	5.7
LSD VALUE	1.6	2.0	1.6	1.2	1.8	1.4	0.9
C.V. (%)	9.3	13.4	13.3	11.3	11.7	7.5	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 13C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CARDINAL II (PPG-FRR 111)	7.0	6.3	6.0	6.0	6.0	6.7	6.3	6.0	6.3	6.3	7.0	6.3	6.0	6.3
NAVIGATOR II	7.0	6.3	5.7	6.3	6.3	7.0	7.0	6.3	6.7	6.3	5.7	6.3	5.3	6.3
RAD-FR47	7.0	6.3	6.0	6.7	6.0	6.7	7.0	6.0	6.0	6.3	6.7	6.3	6.0	6.3
7C34	7.0	6.3	5.7	6.0	6.3	6.7	6.7	5.7	6.7	6.7	6.0	6.0	5.3	6.2
PST-4BEN	7.0	6.3	6.0	6.3	6.0	7.0	6.7	6.7	6.0	6.3	5.7	6.7	5.0	6.2
DLF-FRR 6162	6.7	6.7	6.3	6.3	6.0	6.3	6.0	5.3	5.7	6.3	5.7	6.3	5.7	6.1
PST-4DR4	6.0	6.0	5.7	6.0	5.7	6.7	6.0	6.3	6.0	5.7	6.3	6.3	6.0	6.1
PST-4RUE	7.0	6.0	5.3	6.0	5.7	7.0	6.7	6.0	6.0	7.0	6.0	6.3	5.7	6.1
DLFPS-FRR/3068	6.7	6.3	6.3	5.7	6.7	6.0	5.7	5.7	5.0	6.0	6.3	6.0	6.3	6.0
MARVEL	6.3	6.0	5.7	6.0	5.7	6.3	6.3	6.3	6.0	6.0	5.7	6.0	5.7	6.0
PST-4ED4	7.3	6.0	5.7	5.7	5.0	6.0	6.3	6.3	6.3	6.3	5.7	5.7	5.3	5.9
RAD-FR33R	6.7	6.0	5.7	5.7	6.0	7.0	6.3	6.0	5.7	5.3	5.3	5.7	6.0	5.9
KENT	7.0	6.0	5.7	5.7	6.0	6.3	6.3	5.3	5.7	6.3	5.0	5.7	5.7	5.8
DLFPS-FRR/3069	6.7	5.7	6.0	5.3	5.0	6.3	5.7	5.7	5.3	5.7	5.7	5.7	4.3	5.5
BOREAL	7.0	5.3	5.3	5.0	5.0	5.7	5.0	4.7	5.0	5.0	5.0	5.3	5.7	5.2
LSD VALUE	1.5	1.3	1.9	1.3	2.1	2.1	2.5	1.8	1.5	1.2	2.2	1.0	1.9	0.9
C.V. (%)	8.1	8.3	10.9	9.4	13.7	11.2	14.4	12.5	11.3	9.6	14.6	7.7	13.1	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 13C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS IN THE GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/ 2017 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/						
	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	PINK SNOW MOLD	COLOR OCTOBER	COLOR DECEMBER
CARDINAL II (PPG-FRR 111)	6.0	6.3	6.3	6.0	5.0	6.7	6.7
NAVIGATOR II	6.7	7.0	6.3	4.7	5.0	6.3	6.0
RAD-FR47	6.7	7.0	6.0	5.0	6.3	6.7	7.0
7C34	6.0	6.3	6.3	5.0	5.7	6.7	5.7
PST-4BEN	6.3	6.0	6.7	4.7	5.0	6.3	6.3
DLF-FRR 6162	6.7	5.7	6.3	5.3	6.0	6.7	6.3
PST-4DR4	5.7	5.7	6.3	4.7	5.7	6.3	5.7
PST-4RUE	6.0	6.3	6.7	5.3	6.0	6.7	6.0
DLFPS-FRR/3068	5.7	6.0	5.7	6.0	7.3	6.7	6.3
MARVEL	6.0	6.7	6.3	5.0	5.7	6.7	6.0
PST-4ED4	6.0	6.0	5.3	4.7	6.0	6.3	6.0
RAD-FR33R	5.7	6.7	6.0	6.0	6.7	6.3	6.3
KENT	6.0	5.7	5.7	5.0	6.3	6.3	6.0
DLFPS-FRR/3069	5.7	5.3	5.3	5.7	6.3	6.7	5.7
BOREAL	5.3	4.7	4.7	5.0	6.0	6.3	6.0
LSD VALUE	1.6	1.9	1.0	1.3	2.0	1.6	1.5
C.V. (%)	10.2	13.8	9.1	11.6	14.5	7.4	9.4

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 13D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MNHD-14	7.7	6.3	6.0	6.3	5.7	6.0	5.0	5.3	5.3	5.3	4.7	5.3	5.3	5.6
DLFPS-FL/3060	7.3	5.7	5.7	5.3	5.0	6.0	5.3	6.0	5.3	5.0	5.7	5.0	5.3	5.4
JETTY (PPG-FL 106)	7.7	5.7	5.3	4.7	4.7	6.0	5.3	5.7	5.7	5.3	5.7	5.3	5.3	5.4
RESOLUTE (7H7)	7.3	6.0	5.0	5.0	5.0	6.0	5.3	5.7	5.3	5.7	5.3	5.0	5.7	5.4
SWORD	7.7	6.0	5.7	5.3	4.7	5.0	4.7	5.3	5.0	5.7	6.0	5.7	6.0	5.4
GLADIATOR (TH456)	7.3	6.0	5.7	5.3	4.3	5.3	5.0	5.0	5.0	5.3	5.7	5.0	5.3	5.3
DLFPS-FL/3066	7.0	6.0	5.7	5.7	4.0	5.3	4.0	5.0	5.3	5.0	5.7	5.3	5.3	5.2
BEACON	6.7	6.3	5.0	4.7	3.7	4.3	4.3	5.3	5.3	5.3	5.3	5.3	5.7	5.1
QUATRO	7.3	6.0	6.3	6.0	5.0	5.3	4.0	4.3	4.3	4.7	4.7	4.7	5.7	5.1
MINIMUS	6.3	5.7	5.0	5.0	4.0	4.7	4.3	4.3	5.0	5.3	5.3	5.3	5.0	4.9
PST-4BND	6.3	5.7	5.0	4.3	3.3	4.3	4.0	5.0	5.0	5.3	5.0	5.0	5.0	4.8
LSD VALUE	2.0	1.4	1.7	1.6	3.3	2.2	1.4	2.1	1.6	1.8	2.0	1.5	2.0	1.1
C.V. (%)	11.0	8.4	12.4	14.2	27.4	17.4	14.3	15.9	11.6	11.9	14.2	10.7	12.6	8.3

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 13D.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	PINK SNOW MOLD	COLOR OCTOBER	COLOR DECEMBER
MNHD-14	5.7	5.3	5.0	5.0	7.0	6.0	7.0
DLFPS-FL/3060	5.3	5.7	5.0	6.0	7.3	6.3	6.7
JETTY (PPG-FL 106)	5.3	5.3	5.3	6.0	6.3	6.0	6.0
RESOLUTE (7H7)	5.0	5.3	5.3	5.7	7.3	6.7	6.7
SWORD	4.7	4.7	5.3	5.0	7.0	6.7	7.0
GLADIATOR (TH456)	5.3	5.0	5.0	5.0	7.0	6.0	6.7
DLFPS-FL/3066	5.3	4.3	5.0	5.7	7.0	6.7	7.0
BEACON	4.7	4.7	5.0	5.0	4.7	5.7	6.3
QUATRO	6.0	4.3	5.0	6.3	7.0	6.0	7.0
MINIMUS	5.7	4.3	5.3	6.3	6.0	6.3	6.0
PST-4BND	4.3	4.3	4.7	5.7	5.0	6.0	6.7
LSD VALUE	1.3	1.5	1.8	1.5	1.8	1.6	1.4
C.V. (%)	11.5	13.8	11.6	12.0	14.1	9.9	8.4

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 13E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEAMIST (PPG-FRT 101)	7.0	7.3	6.3	6.7	6.7	7.7	7.0	6.3	6.7	7.0	6.3	6.0	6.0	6.7
BEUDIN	6.0	7.0	6.7	6.7	7.0	6.7	6.7	5.7	5.3	6.3	6.3	6.0	6.3	6.4
BAR FRT 5002	6.7	6.0	7.0	7.0	6.3	7.0	6.3	5.7	5.7	6.3	6.3	6.7	5.3	6.3
SEABREEZE GT	6.7	5.3	5.7	5.3	5.3	6.0	5.3	6.0	5.7	5.7	6.0	5.3	6.0	5.6
LSD VALUE	0.7	0.7	0.8	1.0	2.0	2.1	0.8	1.3	1.7	2.1	1.5	1.5	2.0	1.0
C.V. (%)	5.1	5.2	5.8	7.3	14.2	13.6	5.9	9.3	13.1	14.9	10.3	11.5	14.9	7.6

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 13E.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS IN THE
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2017 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	PINK SNOW MOLD	COLOR OCTOBER	COLOR DECEMBER
SEAMIST (PPG-FRT 101)	7.0	7.0	6.3	5.7	6.7	6.3	6.3
BEUDIN	6.7	6.3	6.0	5.7	7.3	6.3	7.0
BAR FRT 5002	7.0	5.7	6.0	4.7	8.0	6.3	6.0
SEABREEZE GT	6.0	5.3	5.7	5.7	6.7	6.0	5.7
LSD VALUE	1.4	1.2	1.9	2.2	1.5	1.2	1.7
C.V. (%)	9.7	9.1	13.3	17.7	9.6	8.0	11.9

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 14A.

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								MEAN
	IL1	IN1	MI1	MN2	MO1	NC1	NJ2	QE1	
RESOLUTE (7H7)	6.7	6.7	6.3	6.3	6.0	8.0	8.0	6.3	6.8
RAD-FR33R	6.7	6.7	5.0	6.7	6.7	8.0	7.0	7.0	6.7
DLFPS-FRR/3068	5.3	7.3	4.3	7.7	6.3	7.7	8.0	6.7	6.7
DLFPS-FL/3066	6.7	6.0	6.7	5.3	6.7	8.0	7.7	6.0	6.6
RAD-FR47	6.7	6.0	5.3	7.0	6.3	7.7	6.7	6.7	6.5
DLF-FRR 6162	6.3	6.3	5.3	6.0	6.7	8.0	7.0	6.3	6.5
MARVEL	6.3	6.0	5.7	6.3	6.3	8.0	7.0	6.3	6.5
7C34	6.7	6.0	5.0	6.7	5.7	7.7	6.7	7.0	6.4
RAD-FC44	5.7	6.3	4.7	6.3	7.7	7.0	7.0	6.7	6.4
CASTLE (RAD-FC32)	6.7	6.0	3.3	6.3	7.3	7.5	7.0	6.7	6.4
CARDINAL II (PPG-FRR 111)	7.0	6.0	5.0	6.7	6.3	7.0	7.0	5.7	6.3
JETTY (PPG-FL 106)	5.7	6.3	6.3	6.3	5.3	.	7.7	6.0	6.2
DLF-FRC 3338	7.0	6.3	4.0	5.7	6.7	8.0	5.7	6.3	6.2
NAVIGATOR II	6.0	5.3	5.0	6.0	6.3	7.3	7.3	6.3	6.2
PST-4ED4	6.0	6.7	4.7	5.7	7.0	7.3	6.3	6.0	6.2
BOREAL	6.3	6.0	5.3	6.3	6.3	7.0	7.3	5.0	6.2
MINIMUS	6.3	6.0	6.0	4.7	6.0	8.0	7.0	5.3	6.2
DLFPS-FL/3060	6.0	6.3	6.0	5.3	6.0	7.0	7.0	5.7	6.2
DLFPS-FRR/3069	5.3	6.0	5.7	5.3	7.3	7.0	7.0	5.7	6.2
PST-4DR4	5.3	6.0	5.3	6.0	6.0	8.0	6.0	6.7	6.2
RADAR	5.3	6.3	4.3	6.7	6.7	7.7	5.7	6.3	6.1
MOMENTUM (PPG-FRC 114)	5.3	6.3	3.7	7.0	6.3	7.7	7.0	5.7	6.1
PST-4BND	6.0	6.3	6.0	5.0	6.0	.	7.3	6.0	6.1
PST-4BEN	6.0	5.3	4.0	6.3	6.0	7.3	7.3	6.3	6.1
COMPASS II (PPG-FRC 113)	5.3	6.3	4.3	5.3	6.7	8.0	6.7	6.0	6.1
SWORD	6.3	6.0	6.0	5.7	5.3	7.0	7.0	5.3	6.1
DLFPS-FRC/3060	5.0	7.0	5.0	6.0	6.3	8.0	6.7	4.7	6.1
KENT	6.3	6.0	5.0	5.3	6.3	7.0	7.0	5.3	6.0
PST-4RUE	6.3	6.0	4.3	6.7	6.7	7.0	5.3	6.0	6.0
GLADIATOR (TH456)	6.3	6.5	6.0	4.3	6.0	7.0	6.3	5.7	6.0
MNHD-14	5.7	6.5	6.0	5.3	6.3	.	7.0	5.0	6.0
QUATRO	5.3	6.0	6.0	6.0	5.7	7.0	7.0	4.3	5.9
BOLSTER (C14-OS3)	5.3	6.3	4.7	6.0	6.0	7.7	5.7	5.7	5.9
DLFPS-FRC/3057	5.3	6.0	4.3	5.7	6.3	7.3	6.7	5.7	5.9
BAR VV-VP3-CT	5.7	6.0	4.3	5.7	6.0	7.3	5.7	5.3	5.8
BEACON	6.0	6.0	6.0	3.7	6.0	7.5	5.7	5.0	5.7
BAR 6FR 126	5.3	6.7	4.7	4.3	6.3	7.0	6.0	5.3	5.7
CASCADE	5.3	5.3	4.3	7.3	5.7	7.0	6.0	4.7	5.7
SEAMIST (PPG-FRT 101)	5.3	6.7	5.3	3.7	6.0	7.7	5.7	5.3	5.7
BEUDIN	5.3	5.0	6.0	3.7	6.0	7.0	5.7	4.7	5.4
SEABREEZE GT	5.0	6.0	5.7	4.0	6.0	.	5.3	5.0	5.3
BAR FRT 5002	6.0	5.7	6.0	3.0	6.7	.	5.0	4.3	5.2
LSD VALUE	1.3	0.7	1.0	1.2	1.4	1.1	1.7	1.2	0.4
C.V. (%)	13.9	7.3	12.0	12.8	14.2	7.2	15.5	13.4	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 14B.

GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	IL1	IN1	MI1	MN2	MO1	NC1	NJ2	QE1	MEAN
RAD-FC44	5.7	6.3	4.7	6.3	7.7	7.0	7.0	6.7	6.4
CASTLE (RAD-FC32)	6.7	6.0	3.3	6.3	7.3	7.5	7.0	6.7	6.4
DLF-FRC 3338	7.0	6.3	4.0	5.7	6.7	8.0	5.7	6.3	6.2
RADAR	5.3	6.3	4.3	6.7	6.7	7.7	5.7	6.3	6.1
PPG-FRC 114	5.3	6.3	3.7	7.0	6.3	7.7	7.0	5.7	6.1
COMPASS II (PPG-FRC 113)	5.3	6.3	4.3	5.3	6.7	8.0	6.7	6.0	6.1
DLFPS-FRC/3060	5.0	7.0	5.0	6.0	6.3	8.0	6.7	4.7	6.1
BOLSTER (C14-OS3)	5.3	6.3	4.7	6.0	6.0	7.7	5.7	5.7	5.9
DLFPS-FRC/3057	5.3	6.0	4.3	5.7	6.3	7.3	6.7	5.7	5.9
BAR VV-VP3-CT	5.7	6.0	4.3	5.7	6.0	7.3	5.7	5.3	5.8
BAR 6FR 126	5.3	6.7	4.7	4.3	6.3	7.0	6.0	5.3	5.7
CASCADE	5.3	5.3	4.3	7.3	5.7	7.0	6.0	4.7	5.7
LSD VALUE	1.6	0.8	1.4	1.0	1.4	0.8	1.6	1.4	0.5
C.V. (%)	18.1	7.5	20.5	10.7	13.6	5.8	15.4	14.8	13.3

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.

GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								MEAN
	IL1	IN1	MI1	MN2	MO1	NC1	NJ2	QE1	
RAD-FR33R	6.7	6.7	5.0	6.7	6.7	8.0	7.0	7.0	6.7
DLFPS-FRR/3068	5.3	7.3	4.3	7.7	6.3	7.7	8.0	6.7	6.7
RAD-FR47	6.7	6.0	5.3	7.0	6.3	7.7	6.7	6.7	6.5
DLF-FRR 6162	6.3	6.3	5.3	6.0	6.7	8.0	7.0	6.3	6.5
MARVEL	6.3	6.0	5.7	6.3	6.3	8.0	7.0	6.3	6.5
7C34	6.7	6.0	5.0	6.7	5.7	7.7	6.7	7.0	6.4
CARDINAL II (PPG-FRR 111)	7.0	6.0	5.0	6.7	6.3	7.0	7.0	5.7	6.3
NAVIGATOR II	6.0	5.3	5.0	6.0	6.3	7.3	7.3	6.3	6.2
PST-4ED4	6.0	6.7	4.7	5.7	7.0	7.3	6.3	6.0	6.2
BOREAL	6.3	6.0	5.3	6.3	6.3	7.0	7.3	5.0	6.2
DLFPS-FRR/3069	5.3	6.0	5.7	5.3	7.3	7.0	7.0	5.7	6.2
PST-4DR4	5.3	6.0	5.3	6.0	6.0	8.0	6.0	6.7	6.2
PST-4BEN	6.0	5.3	4.0	6.3	6.0	7.3	7.3	6.3	6.1
KENT	6.3	6.0	5.0	5.3	6.3	7.0	7.0	5.3	6.0
PST-4RUE	6.3	6.0	4.3	6.7	6.7	7.0	5.3	6.0	6.0
LSD VALUE	1.1	0.7	0.9	1.4	1.2	1.2	2.0	1.2	0.4
C.V. (%)	10.8	7.3	10.5	14.0	12.1	8.3	17.8	12.0	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 14D. GENETIC COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	IL1	IN1	MI1	MN2	MO1	NC1	NJ2	QE1	MEAN
RESOLUTE (7H7)	6.7	6.7	6.3	6.3	6.0	8.0	8.0	6.3	6.8
DLFPS-FL/3066	6.7	6.0	6.7	5.3	6.7	8.0	7.7	6.0	6.6
JETTY (PPG-FL 106)	5.7	6.3	6.3	6.3	5.3	.	7.7	6.0	6.2
MINIMUS	6.3	6.0	6.0	4.7	6.0	8.0	7.0	5.3	6.2
DLFPS-FL/3060	6.0	6.3	6.0	5.3	6.0	7.0	7.0	5.7	6.2
PST-4BND	6.0	6.3	6.0	5.0	6.0	.	7.3	6.0	6.1
SWORD	6.3	6.0	6.0	5.7	5.3	7.0	7.0	5.3	6.1
GLADIATOR (TH456)	6.3	6.5	6.0	4.3	6.0	7.0	6.3	5.7	6.0
MNHD-14	5.7	6.5	6.0	5.3	6.3	.	7.0	5.0	6.0
QUATRO	5.3	6.0	6.0	6.0	5.7	7.0	7.0	4.3	5.9
BEACON	6.0	6.0	6.0	3.7	6.0	7.5	5.7	5.0	5.7
LSD VALUE	1.3	0.7	0.5	1.1	1.4	1.9	1.0	1.3	0.4
C.V. (%)	13.7	6.9	4.9	12.8	14.9	9.5	9.2	14.5	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 14E. GENETIC COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	IL1	IN1	MI1	MN2	MO1	NC1	NJ2	QE1	MEAN
SEAMIST (PPG-FRT 101)	5.3	6.7	5.3	3.7	6.0	7.7	5.7	5.3	5.7
BEUDIN	5.3	5.0	6.0	3.7	6.0	7.0	5.7	4.7	5.4
SEABREEZE GT	5.0	6.0	5.7	4.0	6.0	.	5.3	5.0	5.3
BAR FRT 5002	6.0	5.7	6.0	3.0	6.7	.	5.0	4.3	5.2
LSD VALUE	1.0	0.7	1.0	0.7	2.0	0.8	2.0	0.8	0.5
C.V. (%)	11.9	7.5	11.2	11.4	20.4	6.4	22.6	10.3	14.7

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 15A.

SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								MEAN
	CT1	IL1	MI1	MI2	NC1	ND1	NJ1	QE1	
SEAMIST (PPG-FRT 101)	6.0	8.7	6.3	5.7	8.0	5.0	6.0	4.3	6.3
BAR 6FR 126	6.7	8.0	4.7	6.0	7.3	5.0	.	4.3	6.0
QUATRO	6.0	7.7	5.0	5.0	8.0	6.0	6.3	3.3	5.9
BAR VV-VP3-CT	6.7	8.7	4.3	6.0	7.7	5.0	5.0	3.7	5.9
DLFPS-FRC/3060	7.7	8.3	5.0	5.7	8.0	5.0	4.0	3.0	5.8
CASCADE	6.3	7.3	6.0	6.0	7.7	5.0	4.7	3.0	5.8
KENT	4.3	8.3	5.7	6.0	8.0	6.0	4.0	3.0	5.7
DLFPS-FRR/3069	4.7	7.7	5.7	6.0	8.0	5.7	4.5	2.3	5.6
MOMENTUM (PPG-FRC 114)	7.7	8.0	5.0	6.0	8.0	5.0	1.3	3.3	5.5
BOLSTER (C14-OS3)	7.0	8.3	4.7	6.0	8.0	6.0	1.0	3.0	5.5
DLFPS-FRC/3057	7.7	8.3	4.7	5.7	7.7	5.0	1.3	3.7	5.5
DLFPS-FL/3060	4.7	8.7	5.0	5.3	8.0	6.0	1.7	4.3	5.5
RAD-FR47	5.0	8.7	6.0	5.3	7.7	6.0	2.5	2.3	5.4
MARVEL	4.7	8.0	5.3	6.0	8.0	5.0	4.0	2.3	5.4
NAVIGATOR II	4.7	7.7	5.0	5.7	8.0	6.0	3.3	3.0	5.4
PST-4DR4	4.3	7.3	6.3	6.0	8.0	5.0	3.7	2.7	5.4
CASTLE (RAD-FC32)	6.7	7.7	3.7	5.7	8.0	5.0	2.5	4.0	5.4
BOREAL	4.3	7.7	6.0	6.0	7.5	6.0	3.0	2.7	5.4
COMPASS II (PPG-FRC 113)	7.3	7.3	4.3	6.0	8.0	5.0	1.7	3.3	5.4
RADAR	7.7	7.0	5.0	6.0	8.0	4.3	1.5	3.3	5.4
DLFPS-FL/3066	5.7	7.3	3.7	5.3	8.0	6.0	1.7	5.0	5.3
DLF-FRC 3338	7.0	7.7	4.3	5.7	8.0	5.0	1.3	3.3	5.3
RESOLUTE (7H7)	5.3	8.3	3.3	5.0	8.0	6.0	2.0	4.3	5.3
SEABREEZE GT	6.0	8.3	5.3	5.3	7.0	4.0	3.5	2.7	5.3
RAD-FC44	6.7	7.3	4.3	5.3	8.0	5.0	1.5	3.7	5.2
7C34	5.0	7.7	5.0	6.0	8.0	5.0	2.3	2.7	5.2
JETTY (PPG-FL 106)	5.7	8.0	5.0	5.3	.	5.0	3.0	4.3	5.2
DLFPS-FRR/3068	4.0	7.7	5.7	6.0	7.7	5.0	2.5	3.0	5.2
CARDINAL II (PPG-FRR 111)	5.0	7.0	5.0	6.0	8.0	5.0	2.0	3.0	5.1
PST-4BEN	4.0	7.3	5.7	6.0	8.0	6.0	1.3	2.7	5.1
BAR FRT 5002	5.3	8.3	5.3	5.3	.	6.0	3.0	2.3	5.1
PST-4RUE	3.7	7.7	5.3	6.0	8.0	6.0	1.0	3.0	5.1
BEUDIN	5.3	7.3	5.3	5.3	7.0	5.0	2.3	3.0	5.1
DLF-FRR 6162	4.3	6.7	5.3	5.7	8.0	5.0	3.0	2.7	5.1
RAD-FR33R	3.7	8.0	4.7	5.0	8.0	5.0	3.0	3.3	5.1
MNHD-14	5.7	8.3	4.3	5.3	.	6.0	2.0	3.7	5.0
GLADIATOR (TH456)	4.7	8.0	4.0	5.7	7.0	6.0	1.0	3.3	5.0
SWORD	5.0	7.7	3.3	5.7	7.0	5.0	1.5	4.3	4.9
BEACON	4.7	7.3	3.7	5.3	7.5	5.0	1.5	4.0	4.9
MINIMUS	4.7	7.0	5.0	5.7	6.0	5.0	1.7	3.7	4.8
PST-4ED4	4.3	7.7	4.7	5.7	7.3	4.0	2.0	2.3	4.8
PST-4BND	3.7	7.3	4.0	5.3	.	6.0	1.0	4.3	4.5
LSD VALUE	2.0	1.1	1.4	0.7	0.9	0.2	2.0	1.1	0.5
C.V. (%)	22.8	9.1	17.5	7.4	5.4	2.4	42.0	20.8	14.7

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.

SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	CT1	IL1	MI1	MI2	NC1	ND1	NJ1	QE1	MEAN
BAR 6FR 126	6.7	8.0	4.7	6.0	7.3	5.0	.	4.3	6.0
BAR VV-VP3-CT	6.7	8.7	4.3	6.0	7.7	5.0	5.0	3.7	5.9
DLFPS-FRC/3060	7.7	8.3	5.0	5.7	8.0	5.0	4.0	3.0	5.8
CASCADE	6.3	7.3	6.0	6.0	7.7	5.0	4.7	3.0	5.8
PPG-FRC 114	7.7	8.0	5.0	6.0	8.0	5.0	1.3	3.3	5.5
BOLSTER (C14-OS3)	7.0	8.3	4.7	6.0	8.0	6.0	1.0	3.0	5.5
DLFPS-FRC/3057	7.7	8.3	4.7	5.7	7.7	5.0	1.3	3.7	5.5
CASTLE (RAD-FC32)	6.7	7.7	3.7	5.7	8.0	5.0	2.5	4.0	5.4
COMPASS II (PPG-FRC 113)	7.3	7.3	4.3	6.0	8.0	5.0	1.7	3.3	5.4
RADAR	7.7	7.0	5.0	6.0	8.0	4.3	1.5	3.3	5.4
DLF-FRC 3338	7.0	7.7	4.3	5.7	8.0	5.0	1.3	3.3	5.3
RAD-FC44	6.7	7.3	4.3	5.3	8.0	5.0	1.5	3.7	5.2
LSD VALUE	1.8	1.3	1.0	0.6	0.7	0.3	1.8	0.9	0.4
C.V. (%)	16.0	10.4	13.4	6.4	4.8	3.3	41.0	15.9	12.4

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.

 SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
 2017 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								MEAN
	CT1	IL1	MI1	MI2	NC1	ND1	NJ1	QE1	
KENT	4.3	8.3	5.7	6.0	8.0	6.0	4.0	3.0	5.7
DLFPS-FRR/3069	4.7	7.7	5.7	6.0	8.0	5.7	4.5	2.3	5.6
RAD-FR47	5.0	8.7	6.0	5.3	7.7	6.0	2.5	2.3	5.4
MARVEL	4.7	8.0	5.3	6.0	8.0	5.0	4.0	2.3	5.4
NAVIGATOR II	4.7	7.7	5.0	5.7	8.0	6.0	3.3	3.0	5.4
PST-4DR4	4.3	7.3	6.3	6.0	8.0	5.0	3.7	2.7	5.4
BOREAL	4.3	7.7	6.0	6.0	7.5	6.0	3.0	2.7	5.4
7C34	5.0	7.7	5.0	6.0	8.0	5.0	2.3	2.7	5.2
DLFPS-FRR/3068	4.0	7.7	5.7	6.0	7.7	5.0	2.5	3.0	5.2
CARDINAL II (PPG-FRR 111)	5.0	7.0	5.0	6.0	8.0	5.0	2.0	3.0	5.1
PST-4BEN	4.0	7.3	5.7	6.0	8.0	6.0	1.3	2.7	5.1
PST-4RUE	3.7	7.7	5.3	6.0	8.0	6.0	1.0	3.0	5.1
DLF-FRR 6162	4.3	6.7	5.3	5.7	8.0	5.0	3.0	2.7	5.1
RAD-FR33R	3.7	8.0	4.7	5.0	8.0	5.0	3.0	3.3	5.1
PST-4ED4	4.3	7.7	4.7	5.7	7.3	4.0	2.0	2.3	4.8
LSD VALUE	1.0	0.9	1.7	0.5	0.9	0.2	2.0	1.0	0.4
C.V. (%)	13.6	7.5	19.8	5.1	5.7	2.8	39.1	23.8	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 15D. SPRING GREENUP RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								
	CT1	IL1	MI1	MI2	NC1	ND1	NJ1	QE1	MEAN
QUATRO	6.0	7.7	5.0	5.0	8.0	6	6.3	3.3	5.9
DLFPS-FL/3060	4.7	8.7	5.0	5.3	8.0	6	1.7	4.3	5.5
DLFPS-FL/3066	5.7	7.3	3.7	5.3	8.0	6	1.7	5.0	5.3
RESOLUTE (7H7)	5.3	8.3	3.3	5.0	8.0	6	2.0	4.3	5.3
JETTY (PPG-FL 106)	5.7	8.0	5.0	5.3	.	5	3.0	4.3	5.2
MNHD-14	5.7	8.3	4.3	5.3	.	6	2.0	3.7	5.0
GLADIATOR (TH456)	4.7	8.0	4.0	5.7	7.0	6	1.0	3.3	5.0
SWORD	5.0	7.7	3.3	5.7	7.0	5	1.5	4.3	4.9
BEACON	4.7	7.3	3.7	5.3	7.5	5	1.5	4.0	4.9
MINIMUS	4.7	7.0	5.0	5.7	6.0	5	1.7	3.7	4.8
PST-4BND	3.7	7.3	4.0	5.3	.	6	1.0	4.3	4.5
LSD VALUE	3.2	1.3	1.3	0.8	1.9	0	1.7	1.5	0.6
C.V. (%)	39.1	10.0	19.8	9.7	9.5	0	45.5	22.3	19.8

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 15E. SPRING GREENUP RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/								
	CT1	IL1	MI1	MI2	NC1	ND1	NJ1	QE1	MEAN
SEAMIST (PPG-FRT 101)	6.0	8.7	6.3	5.7	8	5	6.0	4.3	6.3
SEABREEZE GT	6.0	8.3	5.3	5.3	7	4	3.5	2.7	5.3
BAR FRT 5002	5.3	8.3	5.3	5.3	.	6	3.0	2.3	5.1
BEUDIN	5.3	7.3	5.3	5.3	7	5	2.3	3.0	5.1
LSD VALUE	1.0	0.9	0.9	0.9	0	0	3.9	0.8	0.4
C.V. (%)	11.4	7.1	10.3	10.7	0	0	48.9	16.2	12.9

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

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

TABLE 16A. LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
QUATRO	9.0
CASCADE	8.3
DLF-FRC 3338	8.3
7C34	8.0
BAR 6FR 126	8.0
BAR VV-VP3-CT	8.0
BEACON	8.0
BEUDIN	8.0
BOREAL	8.0
BOLSTER (C14-OS3)	8.0
CARDINAL II (PPG-FRR 111)	8.0
CASTLE (RAD-FC32)	8.0
COMPASS II (PPG-FRC 113)	8.0
DLF-FRR 6162	8.0
DLFPS-FL/3060	8.0
DLFPS-FL/3066	8.0
DLFPS-FRC/3060	8.0
DLFPS-FRR/3068	8.0
DLFPS-FRR/3069	8.0
GLADIATOR (TH456)	8.0
KENT	8.0
MARVEL	8.0
MINIMUS	8.0
NAVIGATOR II	8.0
MOMENTUM (PPG-FRC 114)	8.0
PST-4BEN	8.0
PST-4DR4	8.0
PST-4ED4	8.0
RAD-FC44	8.0
RAD-FR33R	8.0
RAD-FR47	8.0
RADAR	8.0
RESOLUTE (7H7)	8.0
SEAMIST (PPG-FRT 101)	8.0
DLFPS-FRC/3057	7.7
PST-4RUE	7.7
SWORD	7.0
LSD VALUE	0.5
C.V. (%)	3.0

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 16B. LEAF TEXTURE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
CASCADE	8.3
DLF-FRC 3338	8.3
BAR 6FR 126	8.0
BAR VV-VP3-CT	8.0
BOLSTER (C14-OS3)	8.0
CASTLE (RAD-FC32)	8.0
COMPASS II (PPG-FRC 113)	8.0
DLFPS-FRC/3060	8.0
PPG-FRC 114	8.0
RAD-FC44	8.0
RADAR	8.0
DLFPS-FRC/3057	7.7
LSD VALUE	0.6
C.V. (%)	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 16C. LEAF TEXTURE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
7C34	8.0
BOREAL	8.0
CARDINAL II (PPG-FRR 111)	8.0
DLF-FRR 6162	8.0
DLFPS-FRR/3068	8.0
DLFPS-FRR/3069	8.0
KENT	8.0
MARVEL	8.0
NAVIGATOR II	8.0
PST-4BEN	8.0
PST-4DR4	8.0
PST-4ED4	8.0
RAD-FR33R	8.0
RAD-FR47	8.0
PST-4RUE	7.7
LSD VALUE	0.4
C.V. (%)	2.2

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 16D. LEAF TEXTURE RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
QUATRO	9
BEACON	8
DLFPS-FL/3060	8
DLFPS-FL/3066	8
GLADIATOR (TH456)	8
MINIMUS	8
RESOLUTE (7H7)	8
SWORD	7
LSD VALUE	0
C.V. (%)	0

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

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

TABLE 16E. LEAF TEXTURE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
BEUDIN	8
SEAMIST (PPG-FRT 101)	8
LSD VALUE	0
C.V. (%)	0

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

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

TABLE 17A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			MEAN
	IN1	NC1	ND1	
DLF-FRR 6162	6.0	7.0	6	6.3
RADAR	7.0	6.7	5	6.2
BOLSTER (C14-OS3)	6.7	6.7	5	6.1
CARDINAL II (PPG-FRR 111)	7.0	6.0	5	6.0
MNHD-14	6.0	.	6	6.0
KENT	5.7	6.0	6	5.9
MOMENTUM (PPG-FRC 114)	7.0	5.7	5	5.9
JETTY (PPG-FL 106)	6.7	.	5	5.8
DLFPS-FRC/3060	7.3	4.0	6	5.8
SEAMIST (PPG-FRT 101)	8.3	4.7	4	5.7
BAR FRT 5002	5.3	.	6	5.7
RAD-FC44	6.7	6.0	4	5.6
DLFPS-FL/3066	5.0	.	6	5.5
GLADIATOR (TH456)	6.5	4.0	6	5.5
COMPASS II (PPG-FRC 113)	7.3	5.0	4	5.4
PST-4BND	5.7	.	5	5.3
BAR VV-VP3-CT	6.0	4.0	6	5.3
DLF-FRC 3338	7.0	5.0	4	5.3
DLFPS-FRR/3068	6.0	5.0	5	5.3
MINIMUS	5.0	6.0	5	5.3
PST-4BEN	5.7	5.3	5	5.3
NAVIGATOR II	6.0	4.7	5	5.2
RAD-FR47	5.0	4.5	6	5.2
PST-4RUE	4.3	5.0	6	5.1
RAD-FR33R	5.7	4.5	5	5.1
MARVEL	4.7	5.0	5	4.9
QUATRO	6.7	2.0	6	4.9
DLFPS-FRR/3069	4.3	5.3	5	4.9
SWORD	4.7	.	5	4.8
DLFPS-FRC/3057	6.7	3.5	4	4.7
RESOLUTE (7H7)	6.0	2.0	6	4.7
BAR 6FR 126	6.0	2.5	5	4.5
BEUDIN	6.0	1.5	6	4.5
CASTLE (RAD-FC32)	5.0	3.5	5	4.5
PST-4DR4	5.0	3.5	5	4.5
7C34	4.3	4.0	5	4.4
CASCADE	4.3	5.0	4	4.4
BEACON	5.7	2.5	5	4.4
BOREAL	4.0	3.0	6	4.3
DLFPS-FL/3060	5.0	2.0	6	4.3
SEABREEZE GT	4.5	.	4	4.3
PST-4ED4	5.0	2.3	4	3.8
LSD VALUE	1.2	3.1	0	0.8
C.V. (%)	12.8	33.7	0	15.7

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. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	IN1	NC1	ND1	MEAN
RADAR	7.0	6.7	5	6.2
BOLSTER (C14-OS3)	6.7	6.7	5	6.1
PPG-FRC 114	7.0	5.7	5	5.9
DLFPS-FRC/3060	7.3	4.0	6	5.8
RAD-FC44	6.7	6.0	4	5.6
COMPASS II (PPG-FRC 113)	7.3	5.0	4	5.4
BAR VV-VP3-CT	6.0	4.0	6	5.3
DLF-FRC 3338	7.0	5.0	4	5.3
DLFPS-FRC/3057	6.7	3.5	4	4.7
BAR 6FR 126	6.0	2.5	5	4.5
CASTLE (RAD-FC32)	5.0	3.5	5	4.5
CASCADE	4.3	5.0	4	4.4
LSD VALUE	1.0	3.0	0	0.9
C.V. (%)	10.1	33.9	0	17.5

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

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

TABLE 17C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	IN1	NC1	ND1	MEAN
DLF-FRR 6162	6.0	7.0	6	6.3
CARDINAL II (PPG-FRR 111)	7.0	6.0	5	6.0
KENT	5.7	6.0	6	5.9
DLFPS-FRR/3068	6.0	5.0	5	5.3
PST-4BEN	5.7	5.3	5	5.3
NAVIGATOR II	6.0	4.7	5	5.2
RAD-FR47	5.0	4.5	6	5.2
PST-4RUE	4.3	5.0	6	5.1
RAD-FR33R	5.7	4.5	5	5.1
MARVEL	4.7	5.0	5	4.9
DLFPS-FRR/3069	4.3	5.3	5	4.9
PST-4DR4	5.0	3.5	5	4.5
7C34	4.3	4.0	5	4.4
BOREAL	4.0	3.0	6	4.3
PST-4ED4	5.0	2.3	4	3.8
LSD VALUE	1.0	2.9	0	0.8
C.V. (%)	12.4	30.6	0	16.3

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

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

TABLE 17D. SPRING DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	IN1	NC1	ND1	MEAN
MNHD-14	6.0	.	6	6.0
JETTY (PPG-FL 106)	6.7	.	5	5.8
DLFPS-FL/3066	5.0	.	6	5.5
GLADIATOR (TH456)	6.5	4.0	6	5.5
PST-4BND	5.7	.	5	5.3
MINIMUS	5.0	6.0	5	5.3
QUATRO	6.7	2.0	6	4.9
SWORD	4.7	.	5	4.8
RESOLUTE (7H7)	6.0	2.0	6	4.7
BEACON	5.7	2.5	5	4.4
DLFPS-FL/3060	5.0	2.0	6	4.3
LSD VALUE	1.6	1.9	0	0.7
C.V. (%)	16.5	22.9	0	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 17E. SPRING DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	IN1	NC1	ND1	MEAN
SEAMIST (PPG-FRT 101)	8.3	4.7	4	5.7
BAR FRT 5002	5.3	.	6	5.7
BEUDIN	6.0	1.5	6	4.5
SEABREEZE GT	4.5	.	4	4.3
LSD VALUE	1.3	1.1	0	0.6
C.V. (%)	12.2	20.2	0	10.5

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 18A. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
BAR FRT 5002	.	7.0	7.0
DLFPS-FL/3066	.	7.0	7.0
DLF-FRR 6162	7.0	6.0	6.5
MNHD-14	.	6.3	6.3
RAD-FR47	5.5	7.0	6.3
JETTY (PPG-FL 106)	.	6.0	6.0
PST-4BND	.	6.0	6.0
PST-4RUE	5.0	7.0	6.0
BOLSTER (C14-OS3)	5.7	6.0	5.8
CARDINAL II (PPG-FRR 111)	5.7	6.0	5.8
PST-4BEN	5.7	6.0	5.8
MOMENTUM (PPG-FRC 114)	5.3	6.0	5.7
GLADIATOR (TH456)	4.0	7.0	5.5
MINIMUS	5.0	6.0	5.5
PST-4DR4	5.0	6.0	5.5
RAD-FC44	5.0	6.0	5.5
RAD-FR33R	5.0	6.0	5.5
RADAR	6.0	5.0	5.5
COMPASS II (PPG-FRC 113)	5.7	5.0	5.3
DLFPS-FRC/3060	4.5	6.0	5.3
KENT	4.5	6.0	5.3
BAR VV-VP3-CT	4.3	6.0	5.2
DLF-FRC 3338	5.3	5.0	5.2
7C34	4.0	6.0	5.0
BOREAL	4.0	6.0	5.0
CASTLE (RAD-FC32)	4.0	6.0	5.0
DLFPS-FRR/3069	5.0	5.0	5.0
MARVEL	4.0	6.0	5.0
NAVIGATOR II	4.0	6.0	5.0
SEABREEZE GT	.	5.0	5.0
SWORD	.	5.0	5.0
SEAMIST (PPG-FRT 101)	4.7	5.0	4.8
DLFPS-FRR/3068	3.7	6.0	4.8
DLFPS-FRC/3057	4.5	5.0	4.8
CASCADE	4.3	5.0	4.7
BAR 6FR 126	3.0	6.0	4.5
BEACON	3.0	6.0	4.5
QUATRO	2.0	7.0	4.5
RESOLUTE (7H7)	2.0	7.0	4.5
BEUDIN	2.0	6.0	4.0
DLFPS-FL/3060	2.0	6.0	4.0
PST-4ED4	3.0	5.0	4.0
LSD VALUE	2.5	0.1	0.9
C.V. (%)	27.3	1.5	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 18B. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1	ND1	MEAN
BOLSTER (C14-OS3)	5.7	6	5.8
PPG-FRC 114	5.3	6	5.7
RAD-FC44	5.0	6	5.5
RADAR	6.0	5	5.5
COMPASS II (PPG-FRC 113)	5.7	5	5.3
DLFPS-FRC/3060	4.5	6	5.3
BAR VV-VP3-CT	4.3	6	5.2
DLF-FRC 3338	5.3	5	5.2
CASTLE (RAD-FC32)	4.0	6	5.0
DLFPS-FRC/3057	4.5	5	4.8
CASCADE	4.3	5	4.7
BAR 6FR 126	3.0	6	4.5
LSD VALUE	2.6	0	1.1
C.V. (%)	29.0	0	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 18C. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
DLF-FRR 6162	7.0	6	6.5
RAD-FR47	5.5	7	6.3
PST-4RUE	5.0	7	6.0
CARDINAL II (PPG-FRR 111)	5.7	6	5.8
PST-4BEN	5.7	6	5.8
PST-4DR4	5.0	6	5.5
RAD-FR33R	5.0	6	5.5
KENT	4.5	6	5.3
7C34	4.0	6	5.0
BOREAL	4.0	6	5.0
DLFPS-FRR/3069	5.0	5	5.0
MARVEL	4.0	6	5.0
NAVIGATOR II	4.0	6	5.0
DLFPS-FRR/3068	3.7	6	4.8
PST-4ED4	3.0	5	4.0
LSD VALUE	2.1	0	0.8
C.V. (%)	22.7	0	12.6

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 18D. SUMMER DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
DLFPS-FL/3066	.	7.0	7.0
MNHD-14	.	6.3	6.3
JETTY (PPG-FL 106)	.	6.0	6.0
PST-4BND	.	6.0	6.0
GLADIATOR (TH456)	4	7.0	5.5
MINIMUS	5	6.0	5.5
SWORD	.	5.0	5.0
BEACON	3	6.0	4.5
QUATRO	2	7.0	4.5
RESOLUTE (7H7)	2	7.0	4.5
DLFPS-FL/3060	2	6.0	4.0
LSD VALUE	0	0.3	0.3
C.V. (%)	0	2.8	3.3

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 18E. SUMMER DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
BAR FRT 5002	.	7	7.0
SEABREEZE GT	.	5	5.0
SEAMIST (PPG-FRT 101)	4.7	5	4.8
BEUDIN	2.0	6	4.0
LSD VALUE	1.3	0	0.4
C.V. (%)	17.3	0	5.2

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 19A.

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1	ND1	MEAN
MNHD-14	.	7.3	7.3
PST-4RUE	6.3	8.0	7.2
BAR FRT 5002	.	7.0	7.0
DLF-FRR 6162	7.0	7.0	7.0
DLFPS-FL/3066	.	7.0	7.0
JETTY (PPG-FL 106)	.	7.0	7.0
MINIMUS	7.0	7.0	7.0
PST-4BND	.	7.0	7.0
BOLSTER (C14-OS3)	6.3	7.0	6.7
RADAR	7.3	6.0	6.7
CARDINAL II (PPG-FRR 111)	7.0	6.0	6.5
COMPASS II (PPG-FRC 113)	7.0	6.0	6.5
GLADIATOR (TH456)	5.0	8.0	6.5
KENT	6.0	7.0	6.5
RAD-FR33R	6.0	7.0	6.5
7C34	5.7	7.0	6.3
BAR VV-VP3-CT	5.7	7.0	6.3
MOMENTUM (PPG-FRC 114)	6.7	6.0	6.3
DLFPS-FRC/3060	5.5	7.0	6.3
PST-4BEN	6.3	6.0	6.2
SEAMIST (PPG-FRT 101)	6.3	6.0	6.2
BOREAL	5.0	7.0	6.0
DLF-FRC 3338	6.0	6.0	6.0
DLFPS-FRR/3069	6.0	6.0	6.0
MARVEL	6.0	6.0	6.0
PST-4DR4	6.0	6.0	6.0
RAD-FC44	6.0	6.0	6.0
RAD-FR47	5.0	7.0	6.0
SEABREEZE GT	.	6.0	6.0
SWORD	.	6.0	6.0
CASCADE	5.7	6.0	5.8
DLFPS-FRR/3068	5.7	6.0	5.8
NAVIGATOR II	5.7	6.0	5.8
CASTLE (RAD-FC32)	5.5	6.0	5.8
DLFPS-FRC/3057	5.5	6.0	5.8
BAR 6FR 126	5.0	6.0	5.5
RESOLUTE (7H7)	3.0	8.0	5.5
BEACON	4.5	6.0	5.3
BEUDIN	3.5	7.0	5.3
QUATRO	3.0	7.3	5.2
DLFPS-FL/3060	3.0	7.0	5.0
PST-4ED4	4.0	6.0	5.0
LSD VALUE	2.6	0.2	0.9
C.V. (%)	22.0	1.9	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 19B.

FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1	ND1	MEAN
BOLSTER (C14-OS3)	6.3	7	6.7
RADAR	7.3	6	6.7
COMPASS II (PPG-FRC 113)	7.0	6	6.5
BAR VV-VP3-CT	5.7	7	6.3
PPG-FRC 114	6.7	6	6.3
DLFPS-FRC/3060	5.5	7	6.3
DLF-FRC 3338	6.0	6	6.0
RAD-FC44	6.0	6	6.0
CASCADE	5.7	6	5.8
CASTLE (RAD-FC32)	5.5	6	5.8
DLFPS-FRC/3057	5.5	6	5.8
BAR 6FR 126	5.0	6	5.5
LSD VALUE	2.9	0	1.2
C.V. (%)	25.1	0	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 19C. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
PST-4RUE	6.3	8	7.2
DLF-FRR 6162	7.0	7	7.0
CARDINAL II (PPG-FRR 111)	7.0	6	6.5
KENT	6.0	7	6.5
RAD-FR33R	6.0	7	6.5
7C34	5.7	7	6.3
PST-4BEN	6.3	6	6.2
BOREAL	5.0	7	6.0
DLFPS-FRR/3069	6.0	6	6.0
MARVEL	6.0	6	6.0
PST-4DR4	6.0	6	6.0
RAD-FR47	5.0	7	6.0
DLFPS-FRR/3068	5.7	6	5.8
NAVIGATOR II	5.7	6	5.8
PST-4ED4	4.0	6	5.0
LSD VALUE	2.1	0	0.8
C.V. (%)	17.3	0	10.1

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 19D. FALL DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1	ND1	MEAN
MNHD-14	.	7.3	7.3
DLFPS-FL/3066	.	7.0	7.0
JETY (PPG-FL 106)	.	7.0	7.0
MINIMUS	7.0	7.0	7.0
PST-4BND	.	7.0	7.0
GLADIATOR (TH456)	5.0	8.0	6.5
SWORD	.	6.0	6.0
RESOLUTE (7H7)	3.0	8.0	5.5
BEACON	4.5	6.0	5.3
QUATRO	3.0	7.3	5.2
DLFPS-FL/3060	3.0	7.0	5.0
LSD VALUE	2.8	0.4	0.6
C.V. (%)	26.3	3.5	6.6

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 19E. FALL DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1	ND1	MEAN
BAR FRT 5002	.	7	7.0
SEAMIST (PPG-FRT 101)	6.3	6	6.2
SEABREEZE GT	.	6	6.0
BEUDIN	3.5	7	5.3
LSD VALUE	1.1	0	0.5
C.V. (%)	12.7	0	5.5

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 20A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATION 2/							
	CT1	MN1	MO1	NC1	ND1	NJ1	OR1	MEAN
BOLSTER (C14-OS3)	99.0	94.0	85.0	94.7	95.0	91.3	95.0	93.4
RADAR	99.0	93.3	76.7	98.3	93.3	99.0	94.0	93.4
COMPASS II (PPG-FRC 113)	99.0	91.7	93.3	84.0	91.7	92.7	94.7	92.4
MOMENTUM (PPG-FRC 114)	99.0	90.3	92.7	89.0	91.7	88.0	92.3	91.9
DLF-FRR 6162	95.0	88.0	76.7	97.0	91.7	97.7	89.0	90.7
NAVIGATOR II	95.0	82.7	83.3	90.7	91.7	93.0	86.0	88.9
CARDINAL II (PPG-FRR 111)	91.7	70.0	90.0	92.3	91.7	94.7	89.0	88.5
PST-4BEN	93.3	79.7	87.7	73.3	93.3	97.7	91.7	88.1
DLFPS-FRR/3068	95.0	82.7	76.7	79.0	93.3	92.5	94.3	87.6
PST-4RUE	88.3	81.0	91.7	70.0	91.7	95.0	87.3	86.4
MARVEL	95.0	77.3	85.0	92.0	95.0	66.7	88.0	85.6
DLFPS-FRC/3057	99.0	81.3	90.0	43.3	93.3	97.7	92.7	85.3
JETTY (PPG-FL 106)	85.0	87.7	51.7	.	95.0	96.0	94.0	84.9
CASCADE	94.7	62.0	87.7	83.3	90.0	86.7	88.3	84.7
DLFPS-FRC/3060	99.0	88.3	63.3	60.0	95.0	94.5	92.3	84.6
DLF-FRC 3338	99.0	90.7	60.0	67.7	95.0	86.7	92.7	84.5
7C34	95.0	68.7	83.3	65.0	91.7	97.7	90.0	84.5
RAD-FC44	99.0	68.0	83.3	92.0	90.0	62.5	92.0	83.8
KENT	93.3	87.7	65.0	87.5	93.3	75.0	83.3	83.6
SEAMIST (PPG-FRT 101)	97.7	78.7	81.7	88.3	93.3	50.0	93.7	83.3
CASTLE (RAD-FC32)	99.0	96.0	78.3	57.5	95.0	65.0	92.0	83.3
DLFPS-FL/3066	90.0	88.0	31.7	95.0	93.3	89.7	94.0	83.1
DLFPS-FRR/3069	91.7	74.7	68.3	81.7	95.0	80.0	89.0	82.9
MINIMUS	80.0	75.3	45.0	99.0	95.0	91.3	90.7	82.3
PST-4DR4	94.7	76.7	78.3	55.0	95.0	85.0	86.0	81.5
MNHD-14	88.0	81.7	40.0	.	95.0	88.3	90.3	80.6
RAD-FR33R	91.7	71.3	76.7	66.0	95.0	75.0	86.7	80.3
BAR VV-VP3-CT	99.0	77.7	83.3	75.0	91.7	40.0	93.7	80.0
BOREAL	83.3	86.0	70.0	55.0	95.0	81.7	87.3	79.8
SEABREEZE GT	90.0	67.3	78.3	.	91.7	60.0	90.7	79.7
PST-4ED4	90.0	64.0	81.7	35.0	95.0	96.0	88.7	78.6
RAD-FR47	93.3	73.7	76.7	34.3	93.3	89.5	88.3	78.5
BAR FRT 5002	99.0	90.7	61.7	.	91.7	35.0	91.7	78.3
RESOLUTE (7H7)	84.7	90.3	46.7	30.0	95.0	99.0	94.7	77.2
BAR 6FR 126	97.7	70.7	76.7	26.7	93.3	.	95.3	76.7
DLFPS-FL/3060	93.0	92.0	43.3	35.0	95.0	85.0	91.3	76.4
GLADIATOR (TH456)	84.7	87.7	28.3	50.0	93.3	97.7	92.7	76.3
BEACON	88.3	92.3	55.0	22.5	91.7	90.0	93.3	76.2
QUATRO	88.3	93.7	30.0	35.0	95.0	96.0	91.0	75.6
PST-4BND	60.0	76.7	33.3	.	95.0	87.5	88.0	73.4
SWORD	83.3	77.7	40.0	25.0	91.7	90.0	92.3	71.4
BEUDIN	93.3	86.3	60.0	17.5	90.0	51.7	95.0	70.5
LSD VALUE	12.3	20.9	31.1	41.2	3.8	15.1	4.7	7.5
C.V. (%)	8.3	15.9	28.1	29.8	2.5	9.8	3.2	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 20B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATION 2/							MEAN
	CT1	MN1	MO1	NC1	ND1	NJ1	OR1	
BOLSTER (C14-OS3)	99.0	94.0	85.0	94.7	95.0	91.3	95.0	93.4
RADAR	99.0	93.3	76.7	98.3	93.3	99.0	94.0	93.4
COMPASS II (PPG-FRC 113)	99.0	91.7	93.3	84.0	91.7	92.7	94.7	92.4
PPG-FRC 114	99.0	90.3	92.7	89.0	91.7	88.0	92.3	91.9
DLFPS-FRC/3057	99.0	81.3	90.0	43.3	93.3	97.7	92.7	85.3
CASCADE	94.7	62.0	87.7	83.3	90.0	86.7	88.3	84.7
DLFPS-FRC/3060	99.0	88.3	63.3	60.0	95.0	94.5	92.3	84.6
DLF-FRC 3338	99.0	90.7	60.0	67.7	95.0	86.7	92.7	84.5
RAD-FC44	99.0	68.0	83.3	92.0	90.0	62.5	92.0	83.8
CASTLE (RAD-FC32)	99.0	96.0	78.3	57.5	95.0	65.0	92.0	83.3
BAR VV-VP3-CT	99.0	77.7	83.3	75.0	91.7	40.0	93.7	80.0
BAR 6FR 126	97.7	70.7	76.7	26.7	93.3	.	95.3	76.7
LSD VALUE	2.4	17.4	31.4	34.9	4.0	15.1	4.4	7.2
C.V. (%)	1.5	12.9	24.1	26.8	2.7	9.8	2.9	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 20C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATION 2/								
NAME	CT1	MN1	MO1	NC1	ND1	NJ1	OR1	MEAN
DLF-FRR 6162	95.0	88.0	76.7	97.0	91.7	97.7	89.0	90.7
NAVIGATOR II	95.0	82.7	83.3	90.7	91.7	93.0	86.0	88.9
CARDINAL II (PPG-FRR 111)	91.7	70.0	90.0	92.3	91.7	94.7	89.0	88.5
PST-4BEN	93.3	79.7	87.7	73.3	93.3	97.7	91.7	88.1
DLFPS-FRR/3068	95.0	82.7	76.7	79.0	93.3	92.5	94.3	87.6
PST-4RUE	88.3	81.0	91.7	70.0	91.7	95.0	87.3	86.4
MARVEL	95.0	77.3	85.0	92.0	95.0	66.7	88.0	85.6
7C34	95.0	68.7	83.3	65.0	91.7	97.7	90.0	84.5
KENT	93.3	87.7	65.0	87.5	93.3	75.0	83.3	83.6
DLFPS-FRR/3069	91.7	74.7	68.3	81.7	95.0	80.0	89.0	82.9
PST-4DR4	94.7	76.7	78.3	55.0	95.0	85.0	86.0	81.5
RAD-FR33R	91.7	71.3	76.7	66.0	95.0	75.0	86.7	80.3
BOREAL	83.3	86.0	70.0	55.0	95.0	81.7	87.3	79.8
PST-4ED4	90.0	64.0	81.7	35.0	95.0	96.0	88.7	78.6
RAD-FR47	93.3	73.7	76.7	34.3	93.3	89.5	88.3	78.5
LSD VALUE	4.4	22.8	20.4	42.6	3.6	15.6	5.8	6.8
C.V. (%)	3.0	18.3	16.0	30.2	2.4	9.9	4.1	12.9

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

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

TABLE 20D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATION 2/								
NAME	CT1	MN1	MO1	NC1	ND1	NJ1	OR1	MEAN
JETTY (PPG-FL 106)	85.0	87.7	51.7	.	95.0	96.0	94.0	84.9
DLFPS-FL/3066	90.0	88.0	31.7	95.0	93.3	89.7	94.0	83.1
MINIMUS	80.0	75.3	45.0	99.0	95.0	91.3	90.7	82.3
MNHD-14	88.0	81.7	40.0	.	95.0	88.3	90.3	80.6
RESOLUTE (7H7)	84.7	90.3	46.7	30.0	95.0	99.0	94.7	77.2
DLFPS-FL/3060	93.0	92.0	43.3	35.0	95.0	85.0	91.3	76.4
GLADIATOR (TH456)	84.7	87.7	28.3	50.0	93.3	97.7	92.7	76.3
BEACON	88.3	92.3	55.0	22.5	91.7	90.0	93.3	76.2
QUATRO	88.3	93.7	30.0	35.0	95.0	96.0	91.0	75.6
PST-4BND	60.0	76.7	33.3	.	95.0	87.5	88.0	73.4
SWORD	83.3	77.7	40.0	25.0	91.7	90.0	92.3	71.4
LSD VALUE	22.8	19.0	38.6	9.5	2.8	11.3	4.1	8.3
C.V. (%)	16.9	13.8	59.3	7.2	1.9	7.2	2.8	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 20E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATION 2/								
NAME	CT1	MN1	MO1	NC1	ND1	NJ1	OR1	MEAN
SEAMIST (PPG-FRT 101)	97.7	78.7	81.7	88.3	93.3	50.0	93.7	83.3
SEABREEZE GT	90.0	67.3	78.3	.	91.7	60.0	90.7	79.7
BAR FRT 5002	99.0	90.7	61.7	.	91.7	35.0	91.7	78.3
BEUDIN	93.3	86.3	60.0	17.5	90.0	51.7	95.0	70.5
LSD VALUE	7.6	27.2	39.4	5.6	5.7	25.3	2.8	8.5
C.V. (%)	5.0	20.9	34.8	5.9	3.9	24.2	1.9	16.7

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

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

TABLE 21A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATION 2/							
	CT1	MI2	MN1	NC1	ND1	OR1	QE1	MEAN
JETTY (PPG-FL 106)	97.7	99.0	96.0	.	95.0	90.0	80.0	92.9
MINIMUS	96.3	96.3	90.0	85.0	95.0	88.0	90.0	91.5
DLFPS-FL/3066	71.7	95.0	95.7	.	99.0	89.7	90.0	90.2
RAD-FC44	89.7	96.0	98.7	80.0	95.0	84.3	85.0	89.8
MOMENTUM (PPG-FRC 114)	88.3	91.3	96.3	86.7	95.0	87.0	81.7	89.5
MNHD-14	71.7	99.0	97.7	.	99.0	87.7	81.7	89.4
SEAMIST (PPG-FRT 101)	86.7	94.7	96.7	83.3	95.0	84.7	78.3	88.5
PST-4BEN	83.3	99.0	87.7	80.7	99.0	85.3	80.0	87.9
SWORD	68.3	97.7	88.7	.	95.0	89.0	86.7	87.6
RADAR	73.3	79.7	97.7	95.7	95.0	89.0	80.0	87.2
COMPASS II (PPG-FRC 113)	63.3	95.0	95.7	85.0	95.0	86.0	81.7	86.0
BAR VV-VP3-CT	86.7	91.3	94.3	68.3	95.0	83.0	80.0	85.5
MARVEL	86.3	97.7	96.3	75.0	95.0	85.0	63.3	85.5
DLF-FRC 3338	75.0	93.3	96.0	64.0	95.0	88.0	86.7	85.4
NAVIGATOR II	83.3	93.0	88.7	71.7	99.0	83.3	78.3	85.3
BOLSTER (C14-OS3)	66.7	90.0	94.0	78.3	96.3	84.7	86.7	85.2
SEABREEZE GT	75.0	86.7	93.3	.	95.0	88.3	71.7	85.0
GLADIATOR (TH456)	80.0	97.7	98.0	50.0	95.0	90.0	80.0	84.4
CASCADE	78.3	91.7	88.0	78.3	95.0	84.3	75.0	84.4
CARDINAL II (PPG-FRR 111)	67.7	99.0	88.7	92.3	95.0	82.7	65.0	84.3
DLF-FRR 6162	40.0	97.7	92.3	95.0	99.0	86.7	76.7	83.9
PST-4BND	46.7	96.0	82.3	.	99.0	90.0	88.3	83.7
DLFPS-FRC/3057	86.7	93.0	95.7	52.5	95.0	84.3	76.7	83.4
7C34	84.7	97.7	90.7	55.0	99.0	86.3	68.3	83.1
KENT	83.3	89.7	93.3	82.5	99.0	82.0	50.0	82.8
DLFPS-FRR/3068	76.7	91.3	94.3	64.3	95.0	89.3	66.7	82.5
RAD-FR33R	70.0	97.7	93.7	65.0	99.0	84.0	65.0	82.0
CASTLE (RAD-FC32)	71.7	86.7	97.3	55.0	95.0	85.3	80.0	81.6
DLFPS-FRC/3060	66.7	90.0	94.7	50.0	99.0	86.3	83.3	81.4
PST-4DR4	73.3	91.3	94.7	60.0	97.7	84.7	68.3	81.4
DLFPS-FL/3060	89.3	97.7	95.0	20.0	95.0	91.0	81.7	81.4
DLFPS-FRR/3069	65.0	94.7	89.7	73.3	95.0	83.3	61.7	80.4
RESOLUTE (7H7)	73.3	97.7	98.3	20.0	95.0	91.3	80.0	79.4
BEACON	63.3	97.7	94.0	22.5	99.0	91.0	83.3	78.7
BAR FRT 5002	68.3	63.3	94.3	.	99.0	85.0	60.0	78.3
BOREAL	85.0	93.3	91.7	50.0	95.0	82.0	46.7	77.7
PST-4RUE	41.7	97.7	88.0	68.3	99.0	82.3	63.3	77.2
RAD-FR47	58.3	97.7	89.7	47.5	99.0	82.3	65.0	77.1
QUATRO	65.0	99.0	94.7	20.0	99.0	88.0	73.3	77.0
BEUDIN	78.3	90.0	94.0	15.0	99.0	88.3	68.3	76.1
PST-4ED4	53.3	99.0	87.3	28.3	95.0	83.7	66.7	73.3
BAR 6FR 126	51.7	78.3	85.0	20.0	95.0	82.7	83.3	70.9
LSD VALUE	26.6	11.8	8.8	44.8	0.8	5.9	15.6	6.5
C.V. (%)	22.5	7.9	5.9	34.9	0.5	4.3	12.9	12.4

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 21B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATION 2/								
NAME	CT1	MI2	MN1	NC1	ND1	OR1	QE1	MEAN
RAD-FC44	89.7	96.0	98.7	80.0	95.0	84.3	85.0	89.8
PPG-FRC 114	88.3	91.3	96.3	86.7	95.0	87.0	81.7	89.5
RADAR	73.3	79.7	97.7	95.7	95.0	89.0	80.0	87.2
COMPASS II (PPG-FRC 113)	63.3	95.0	95.7	85.0	95.0	86.0	81.7	86.0
BAR VV-VP3-CT	86.7	91.3	94.3	68.3	95.0	83.0	80.0	85.5
DLF-FRC 3338	75.0	93.3	96.0	64.0	95.0	88.0	86.7	85.4
BOLSTER (C14-OS3)	66.7	90.0	94.0	78.3	96.3	84.7	86.7	85.2
CASCADE	78.3	91.7	88.0	78.3	95.0	84.3	75.0	84.4
DLFPS-FRC/3057	86.7	93.0	95.7	52.5	95.0	84.3	76.7	83.4
CASTLE (RAD-FC32)	71.7	86.7	97.3	55.0	95.0	85.3	80.0	81.6
DLFPS-FRC/3060	66.7	90.0	94.7	50.0	99.0	86.3	83.3	81.4
BAR 6FR 126	51.7	78.3	85.0	20.0	95.0	82.7	83.3	70.9
LSD VALUE	22.0	17.2	8.9	40.0	1.1	7.1	12.4	6.5
C.V. (%)	18.3	11.9	5.9	31.7	0.7	5.2	9.4	12.6

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 21C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATION 2/									
NAME	CT1	MI2	MN1	NC1	ND1	OR1	QE1	MEAN	
PST-4BEN	83.3	99.0	87.7	80.7	99.0	85.3	80.0	87.9	
MARVEL	86.3	97.7	96.3	75.0	95.0	85.0	63.3	85.5	
NAVIGATOR II	83.3	93.0	88.7	71.7	99.0	83.3	78.3	85.3	
CARDINAL II (PPG-FRR 111)	67.7	99.0	88.7	92.3	95.0	82.7	65.0	84.3	
DLF-FRR 6162	40.0	97.7	92.3	95.0	99.0	86.7	76.7	83.9	
7C34	84.7	97.7	90.7	55.0	99.0	86.3	68.3	83.1	
KENT	83.3	89.7	93.3	82.5	99.0	82.0	50.0	82.8	
DLFPS-FRR/3068	76.7	91.3	94.3	64.3	95.0	89.3	66.7	82.5	
RAD-FR33R	70.0	97.7	93.7	65.0	99.0	84.0	65.0	82.0	
PST-4DR4	73.3	91.3	94.7	60.0	97.7	84.7	68.3	81.4	
DLFPS-FRR/3069	65.0	94.7	89.7	73.3	95.0	83.3	61.7	80.4	
BOREAL	85.0	93.3	91.7	50.0	95.0	82.0	46.7	77.7	
PST-4RUE	41.7	97.7	88.0	68.3	99.0	82.3	63.3	77.2	
RAD-FR47	58.3	97.7	89.7	47.5	99.0	82.3	65.0	77.1	
PST-4ED4	53.3	99.0	87.3	28.3	95.0	83.7	66.7	73.3	
LSD VALUE	30.1	8.3	7.1	45.3	1.0	6.3	19.4	7.2	
C.V. (%)	26.6	5.4	4.9	33.8	0.6	4.6	18.4	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 21D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATION 2/							
	CT1	MI2	MN1	NC1	ND1	OR1	QE1	MEAN
JETTY (PPG-FL 106)	97.7	99.0	96.0	.	95	90.0	80.0	92.9
MINIMUS	96.3	96.3	90.0	85.0	95	88.0	90.0	91.5
DLFPS-FL/3066	71.7	95.0	95.7	.	99	89.7	90.0	90.2
MNHD-14	71.7	99.0	97.7	.	99	87.7	81.7	89.4
SWORD	68.3	97.7	88.7	.	95	89.0	86.7	87.6
GLADIATOR (TH456)	80.0	97.7	98.0	50.0	95	90.0	80.0	84.4
PST-4BND	46.7	96.0	82.3	.	99	90.0	88.3	83.7
DLFPS-FL/3060	89.3	97.7	95.0	20.0	95	91.0	81.7	81.4
RESOLUTE (7H7)	73.3	97.7	98.3	20.0	95	91.3	80.0	79.4
BEACON	63.3	97.7	94.0	22.5	99	91.0	83.3	78.7
QUATRO	65.0	99.0	94.7	20.0	99	88.0	73.3	77.0
LSD VALUE	29.6	3.7	11.5	9.4	0	4.1	14.9	5.8
C.V. (%)	24.6	2.4	7.6	9.8	0	2.8	11.2	10.6

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 21E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATION 2/							
	CT1	MI2	MN1	NC1	ND1	OR1	QE1	MEAN
SEAMIST (PPG-FRT 101)	86.7	94.7	96.7	83.3	95	84.7	78.3	88.5
SEABREEZE GT	75.0	86.7	93.3	.	95	88.3	71.7	85.0
BAR FRT 5002	68.3	63.3	94.3	.	99	85.0	60.0	78.3
BEUDIN	78.3	90.0	94.0	15.0	99	88.3	68.3	76.1
LSD VALUE	12.7	16.8	4.5	6.6	0	4.6	9.0	3.8
C.V. (%)	10.3	12.5	2.9	5.9	0	3.3	8.0	7.3

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 22A.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATION 2/

NAME	CT1	MI1	MI2	MN1	MN2	NC1	ND1	NJ2	OR1	MEAN
JETTY (PPG-FL 106)	99.0	99.0	93.3	90.3	90.0	.	99.0	99.0	96.0	95.7
MINIMUS	96.3	99.0	88.3	86.7	85.0	97.0	99.0	99.0	96.0	94.0
SEAMIST (PPG-FRT 101)	94.7	99.0	85.0	93.3	80.0	96.3	95.0	97.7	97.0	93.1
GLADIATOR (TH456)	91.0	97.7	90.0	94.3	92.7	75.0	99.0	99.0	97.3	92.9
SWORD	91.0	99.0	95.0	86.7	73.7	.	95.0	99.0	97.0	92.0
MOMENTUM (PPG-FRC 114)	96.0	99.0	80.0	89.7	76.0	96.0	95.0	99.0	96.0	91.9
RAD-FC44	81.3	99.0	83.3	89.3	90.3	95.0	95.0	94.7	98.3	91.8
DLFPS-FL/3066	61.7	99.0	93.3	92.7	83.7	.	99.0	99.0	98.0	90.8
RADAR	91.3	99.0	73.3	90.3	70.3	99.0	95.0	94.3	97.0	90.0
PST-4BND	51.7	99.0	91.3	86.7	96.0	.	99.0	99.0	96.3	89.9
PST-4BEN	83.3	99.0	89.7	75.7	72.0	94.7	99.0	97.7	94.0	89.4
BOLSTER (C14-OS3)	75.0	97.7	80.0	92.7	73.0	92.7	99.0	96.3	97.0	89.3
MNHD-14	69.3	99.0	93.3	87.3	72.0	.	99.0	99.0	95.0	89.3
DLFPS-FRC/3060	85.0	99.0	83.3	86.7	74.0	75.0	99.0	99.0	97.7	88.7
BAR VV-VP3-CT	85.0	97.7	85.0	87.0	73.3	83.3	99.0	94.3	92.3	88.6
COMPASS II (PPG-FRC 113)	83.3	99.0	80.0	93.7	70.3	94.3	85.0	96.0	95.3	88.6
DLFPS-FRC/3057	88.0	99.0	83.3	90.3	70.0	72.5	95.0	99.0	96.3	88.2
CARDINAL II (PPG-FRR 111)	81.7	99.0	91.7	80.7	62.3	99.0	95.0	88.0	94.0	87.9
DLF-FRC 3338	63.3	99.0	86.7	88.3	83.3	76.3	95.0	99.0	98.3	87.7
DLFPS-FL/3060	89.3	99.0	91.7	91.7	84.7	40.0	95.0	99.0	97.3	87.5
CASCADE	63.3	99.0	86.7	88.7	76.3	90.7	95.0	91.3	94.7	87.3
DLF-FRR 6162	48.3	99.0	95.0	79.0	76.7	99.0	99.0	93.0	95.7	87.2
BEACON	76.7	99.0	93.3	90.0	92.7	37.5	96.3	99.0	97.3	86.9
CASTLE (RAD-FC32)	91.3	97.7	80.0	90.7	73.3	68.5	95.0	89.7	95.7	86.9
RESOLUTE (7H7)	91.7	99.0	90.0	92.7	94.0	17.5	99.0	99.0	97.3	86.7
NAVIGATOR II	93.0	99.0	83.3	83.3	71.3	92.3	96.3	65.0	95.3	86.6
MARVEL	92.7	99.0	91.7	80.7	76.7	90.0	99.0	56.7	92.0	86.5
DLFPS-FRR/3069	81.0	99.0	80.0	82.0	84.0	96.3	95.0	55.0	95.3	85.3
QUATRO	69.3	99.0	94.7	87.7	82.0	35.0	99.0	99.0	96.3	84.7
KENT	97.7	99.0	76.7	79.7	60.0	98.0	99.0	55.0	92.3	84.1
PST-4DR4	86.3	99.0	81.7	82.7	65.7	80.0	99.0	63.3	96.3	83.8
7C34	88.0	99.0	86.7	83.0	77.7	73.3	99.0	46.7	96.3	83.3
DLFPS-FRR/3068	91.3	99.0	86.7	81.0	46.0	83.3	95.0	66.7	97.7	83.0
BAR FRT 5002	83.3	96.3	45.0	91.0	81.3	.	99.0	69.7	96.3	82.8
BOREAL	93.0	99.0	80.0	78.7	79.0	50.0	99.0	73.3	91.3	82.6
RAD-FR33R	75.0	99.0	81.7	81.0	62.7	84.5	99.0	63.3	94.3	82.3
PST-4RUE	55.0	99.0	83.3	79.7	72.7	79.3	99.0	75.0	94.0	81.9
BEUDIN	88.3	96.3	78.3	87.0	80.7	20.0	99.0	81.7	96.7	80.9
BAR 6FR 126	78.3	97.7	56.7	95.0	90.3	32.5	99.0	70.0	98.0	79.7
SEABREEZE GT	86.0	99.0	81.7	82.7	67.3	20.0	95.0	76.3	98.0	78.4
PST-4ED4	38.3	99.0	90.0	78.3	64.7	51.7	95.0	86.7	91.3	77.2
RAD-FR47	74.7	99.0	81.7	69.7	62.7	45.0	99.0	36.7	95.0	73.7
LSD VALUE	25.6	1.5	14.5	10.0	32.8	36.7	0.8	20.4	6.0	6.3
C.V. (%)	19.7	1.0	10.7	7.2	26.7	24.4	0.5	15.0	3.9	13.3

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 22B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATION 2/									MEAN
	CT1	MI1	MI2	MN1	MN2	NC1	ND1	NJ2	OR1	
PPG-FRC 114	96.0	99.0	80.0	89.7	76.0	96.0	95	99.0	96.0	91.9
RAD-FC44	81.3	99.0	83.3	89.3	90.3	95.0	95	94.7	98.3	91.8
RADAR	91.3	99.0	73.3	90.3	70.3	99.0	95	94.3	97.0	90.0
BOLSTER (C14-OS3)	75.0	97.7	80.0	92.7	73.0	92.7	99	96.3	97.0	89.3
DLFPS-FRC/3060	85.0	99.0	83.3	86.7	74.0	75.0	99	99.0	97.7	88.7
BAR VV-VP3-CT	85.0	97.7	85.0	87.0	73.3	83.3	99	94.3	92.3	88.6
COMPASS II (PPG-FRC 113)	83.3	99.0	80.0	93.7	70.3	94.3	85	96.0	95.3	88.6
DLFPS-FRC/3057	88.0	99.0	83.3	90.3	70.0	72.5	95	99.0	96.3	88.2
DLF-FRC 3338	63.3	99.0	86.7	88.3	83.3	76.3	95	99.0	98.3	87.7
CASCADE	63.3	99.0	86.7	88.7	76.3	90.7	95	91.3	94.7	87.3
CASTLE (RAD-FC32)	91.3	97.7	80.0	90.7	73.3	68.5	95	89.7	95.7	86.9
BAR 6FR 126	78.3	97.7	56.7	95.0	90.3	32.5	99	70.0	98.0	79.7
LSD VALUE	23.9	2.1	17.4	8.3	38.2	30.0	0	12.3	6.5	6.3
C.V. (%)	18.2	1.4	13.6	5.7	30.9	19.8	0	8.2	4.2	13.3

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 22C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATION 2/									
	CT1	MI1	MI2	MN1	MN2	NC1	ND1	NJ2	OR1	MEAN
PST-4BEN	83.3	99	89.7	75.7	72.0	94.7	99.0	97.7	94.0	89.4
CARDINAL II (PPG-FRR 111)	81.7	99	91.7	80.7	62.3	99.0	95.0	88.0	94.0	87.9
DLF-FRR 6162	48.3	99	95.0	79.0	76.7	99.0	99.0	93.0	95.7	87.2
NAVIGATOR II	93.0	99	83.3	83.3	71.3	92.3	96.3	65.0	95.3	86.6
MARVEL	92.7	99	91.7	80.7	76.7	90.0	99.0	56.7	92.0	86.5
DLFPS-FRR/3069	81.0	99	80.0	82.0	84.0	96.3	95.0	55.0	95.3	85.3
KENT	97.7	99	76.7	79.7	60.0	98.0	99.0	55.0	92.3	84.1
PST-4DR4	86.3	99	81.7	82.7	65.7	80.0	99.0	63.3	96.3	83.8
7C34	88.0	99	86.7	83.0	77.7	73.3	99.0	46.7	96.3	83.3
DLFPS-FRR/3068	91.3	99	86.7	81.0	46.0	83.3	95.0	66.7	97.7	83.0
BOREAL	93.0	99	80.0	78.7	79.0	50.0	99.0	73.3	91.3	82.6
RAD-FR33R	75.0	99	81.7	81.0	62.7	84.5	99.0	63.3	94.3	82.3
PST-4RUE	55.0	99	83.3	79.7	72.7	79.3	99.0	75.0	94.0	81.9
PST-4ED4	38.3	99	90.0	78.3	64.7	51.7	95.0	86.7	91.3	77.2
RAD-FR47	74.7	99	81.7	69.7	62.7	45.0	99.0	36.7	95.0	73.7
LSD VALUE	27.0	0	14.4	12.3	33.3	39.1	1.0	28.1	7.6	7.1
C.V. (%)	21.3	0	10.5	9.6	30.0	25.3	0.6	25.6	5.0	15.6

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 22D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATION 2/									
	CT1	MI1	MI2	MN1	MN2	NC1	ND1	NJ2	OR1	MEAN
JETTY (PPG-FL 106)	99.0	99.0	93.3	90.3	90.0	.	99.0	99	96.0	95.7
MINIMUS	96.3	99.0	88.3	86.7	85.0	97.0	99.0	99	96.0	94.0
GLADIATOR (TH456)	91.0	97.7	90.0	94.3	92.7	75.0	99.0	99	97.3	92.9
SWORD	91.0	99.0	95.0	86.7	73.7	.	95.0	99	97.0	92.0
DLFPS-FL/3066	61.7	99.0	93.3	92.7	83.7	.	99.0	99	98.0	90.8
PST-4BND	51.7	99.0	91.3	86.7	96.0	.	99.0	99	96.3	89.9
MNHD-14	69.3	99.0	93.3	87.3	72.0	.	99.0	99	95.0	89.3
DLFPS-FL/3060	89.3	99.0	91.7	91.7	84.7	40.0	95.0	99	97.3	87.5
BEACON	76.7	99.0	93.3	90.0	92.7	37.5	96.3	99	97.3	86.9
RESOLUTE (7H7)	91.7	99.0	90.0	92.7	94.0	17.5	99.0	99	97.3	86.7
QUATRO	69.3	99.0	94.7	87.7	82.0	35.0	99.0	99	96.3	84.7
LSD VALUE	28.8	1.1	7.2	9.1	27.9	9.0	1.1	0	2.9	5.1
C.V. (%)	22.2	0.7	4.9	6.3	20.2	7.0	0.7	0	1.9	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 22E. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATION 2/									
	CT1	MI1	MI2	MN1	MN2	NC1	ND1	NJ2	OR1	MEAN
SEAMIST (PPG-FRT 101)	94.7	99.0	85.0	93.3	80.0	96.3	95	97.7	97.0	93.1
BAR FRT 5002	83.3	96.3	45.0	91.0	81.3	.	99	69.7	96.3	82.8
BEUDIN	88.3	96.3	78.3	87.0	80.7	20.0	99	81.7	96.7	80.9
SEABREEZE GT	86.0	99.0	81.7	82.7	67.3	20.0	95	76.3	98.0	78.4
LSD VALUE	12.5	2.6	19.1	7.0	25.3	5.7	0	31.1	3.1	5.6
C.V. (%)	8.8	1.7	16.4	4.9	20.3	5.1	0	23.8	2.0	12.1

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 23A.

WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
MARVEL	6.0
RAD-FC44	6.0
RAD-FR33R	6.0
RADAR	5.7
CASTLE (RAD-FC32)	5.5
KENT	5.5
PST-4DR4	5.5
7C34	5.3
BOLSTER (C14-OS3)	5.3
CARDINAL II (PPG-FRR 111)	5.3
NAVIGATOR II	5.3
SEAMIST (PPG-FRT 101)	5.3
BAR 6FR 126	5.0
BAR VV-VP3-CT	5.0
BEACON	5.0
BOREAL	5.0
CASCADE	5.0
COMPASS II (PPG-FRC 113)	5.0
DLF-FRC 3338	5.0
DLF-FRR 6162	5.0
DLFPS-FL/3060	5.0
DLFPS-FRC/3057	5.0
DLFPS-FRC/3060	5.0
DLFPS-FRR/3068	5.0
DLFPS-FRR/3069	5.0
GLADIATOR (TH456)	5.0
MINIMUS	5.0
MOMENTUM (PPG-FRC 114)	5.0
PST-4BEN	5.0
PST-4ED4	5.0
QUATRO	5.0
RAD-FR47	5.0
RESOLUTE (7H7)	5.0
PST-4RUE	4.7
LSD VALUE	1.0
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 23B.

WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
RAD-FC44	6.0
RADAR	5.7
CASTLE (RAD-FC32)	5.5
BOLSTER (C14-OS3)	5.3
BAR 6FR 126	5.0
BAR VV-VP3-CT	5.0
CASCADE	5.0
COMPASS II (PPG-FRC 113)	5.0
DLF-FRC 3338	5.0
DLFPS-FRC/3057	5.0
DLFPS-FRC/3060	5.0
PPG-FRC 114	5.0
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 23C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
MARVEL	6.0
RAD-FR33R	6.0
KENT	5.5
PST-4DR4	5.5
7C34	5.3
CARDINAL II (PPG-FRR 111)	5.3
NAVIGATOR II	5.3
BOREAL	5.0
DLF-FRR 6162	5.0
DLFPS-FRR/3068	5.0
DLFPS-FRR/3069	5.0
PST-4BEN	5.0
PST-4ED4	5.0
RAD-FR47	5.0
PST-4RUE	4.7
LSD VALUE	0.9
C.V. (%)	8.6

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 23D. WINTER COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
BEACON	5
DLFPS-FL/3060	5
GLADIATOR (TH456)	5
MINIMUS	5
QUATRO	5
RESOLUTE (7H7)	5
LSD VALUE	.
C.V. (%)	.

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 23E. WINTER COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	NC1
SEAMIST (PPG-FRT 101)	5.3
LSD VALUE	0.9
C.V. (%)	10.8

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 24A.

DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

NAME	DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE		2/
	CT1	IN1	MEAN
CASTLE (RAD-FC32)	9.0	8.3	8.7
BOLSTER (C14-OS3)	8.7	8.3	8.5
COMPASS II (PPG-FRC 113)	8.7	8.3	8.5
RAD-FC44	8.7	8.0	8.3
PST-4BND	9.0	7.3	8.2
GLADIATOR (TH456)	8.7	7.5	8.1
BAR VV-VP3-CT	8.3	7.7	8.0
JETTY (PPG-FL 106)	8.7	7.3	8.0
KENT	9.0	7.0	8.0
MINIMUS	8.7	7.3	8.0
QUATRO	8.0	8.0	8.0
SEAMIST (PPG-FRT 101)	7.7	8.3	8.0
SEABREEZE GT	8.3	7.5	7.9
BEUDIN	8.3	7.3	7.8
BOREAL	9.0	6.7	7.8
DLF-FRC 3338	7.3	8.3	7.8
MOMENTUM (PPG-FRC 114)	8.0	7.7	7.8
DLFPS-FL/3060	8.7	7.0	7.8
DLFPS-FRC/3057	8.7	7.0	7.8
DLF-FRR 6162	8.0	7.3	7.7
BAR FRT 5002	7.3	7.7	7.5
CARDINAL II (PPG-FRR 111)	8.7	6.3	7.5
DLFPS-FRR/3068	8.3	6.7	7.5
BEACON	7.7	7.0	7.3
7C34	8.7	6.0	7.3
CASCADE	7.3	7.0	7.2
DLFPS-FL/3066	7.3	7.0	7.2
MARVEL	8.0	6.3	7.2
DLFPS-FRC/3060	6.0	8.0	7.0
MNHD-14	8.0	6.0	7.0
PST-4BEN	7.7	6.3	7.0
RESOLUTE (7H7)	7.7	6.3	7.0
BAR 6FR 126	5.7	8.0	6.8
PST-4DR4	7.3	6.3	6.8
SWORD	5.7	7.7	6.7
PST-4ED4	7.0	5.7	6.3
RADAR	5.3	7.3	6.3
PST-4RUE	5.0	7.0	6.0
NAVIGATOR II	6.3	5.3	5.8
DLFPS-FRR/3069	5.3	6.0	5.7
RAD-FR33R	5.0	6.3	5.7
RAD-FR47	6.0	5.3	5.7
LSD VALUE	2.9	1.7	1.6
C.V. (%)	21.7	14.9	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 24B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/			
NAME	CT1	IN1	MEAN
CASTLE (RAD-FC32)	9.0	8.3	8.7
BOLSTER (C14-OS3)	8.7	8.3	8.5
COMPASS II (PPG-FRC 113)	8.7	8.3	8.5
RAD-FC44	8.7	8.0	8.3
BAR VV-VP3-CT	8.3	7.7	8.0
DLF-FRC 3338	7.3	8.3	7.8
PPG-FRC 114	8.0	7.7	7.8
DLFPS-FRC/3057	8.7	7.0	7.8
CASCADE	7.3	7.0	7.2
DLFPS-FRC/3060	6.0	8.0	7.0
BAR 6FR 126	5.7	8.0	6.8
RADAR	5.3	7.3	6.3
LSD VALUE	2.1	1.4	1.3
C.V. (%)	17.3	11.3	14.5

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. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

NAME	DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE		2/
	CT1	IN1	MEAN
KENT	9.0	7.0	8.0
BOREAL	9.0	6.7	7.8
DLF-FRR 6162	8.0	7.3	7.7
CARDINAL II (PPG-FRR 111)	8.7	6.3	7.5
DLFPS-FRR/3068	8.3	6.7	7.5
7C34	8.7	6.0	7.3
MARVEL	8.0	6.3	7.2
PST-4BEN	7.7	6.3	7.0
PST-4DR4	7.3	6.3	6.8
PST-4ED4	7.0	5.7	6.3
PST-4RUE	5.0	7.0	6.0
NAVIGATOR II	6.3	5.3	5.8
DLFPS-FRR/3069	5.3	6.0	5.7
RAD-FR33R	5.0	6.3	5.7
RAD-FR47	6.0	5.3	5.7
LSD VALUE	3.5	1.9	1.8
C.V. (%)	26.1	18.6	22.6

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 24D. DOLLAR SPOT RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	CT1	IN1	MEAN
PST-4BND	9.0	7.3	8.2
GLADIATOR (TH456)	8.7	7.5	8.1
JETTY (PPG-FL 106)	8.7	7.3	8.0
MINIMUS	8.7	7.3	8.0
QUATRO	8.0	8.0	8.0
DLFPS-FL/3060	8.7	7.0	7.8
BEACON	7.7	7.0	7.3
DLFPS-FL/3066	7.3	7.0	7.2
MNHD-14	8.0	6.0	7.0
RESOLUTE (7H7)	7.7	6.3	7.0
SWORD	5.7	7.7	6.7
LSD VALUE	3.0	1.8	1.7
C.V. (%)	21.5	14.6	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 24E. DOLLAR SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	CT1	IN1	MEAN
SEAMIST (PPG-FRT 101)	7.7	8.3	8.0
SEABREEZE GT	8.3	7.5	7.9
BEUDIN	8.3	7.3	7.8
BAR FRT 5002	7.3	7.7	7.5
LSD VALUE	2.6	1.9	1.6
C.V. (%)	20.3	14.3	17.8

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 25A.

RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2017 DATA

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

NAME	MD1
BEACON	7.7
MNHD-14	7.0
BAR FRT 5002	6.7
CASCADE	7.0
DLFPS-FL/3060	7.0
DLFPS-FL/3066	6.7
MINIMUS	6.3
DLF-FRC 3338	6.7
JETTY (PPG-FL 106)	7.0
SWORD	6.3
GLADIATOR (TH456)	7.3
MOMENTUM (PPG-FRC 114)	7.0
QUATRO	7.0
DLFPS-FRC/3057	7.0
DLFPS-FRC/3060	7.0
PST-4BND	6.0
RESOLUTE (7H7)	6.7
SEAMIST (PPG-FRT 101)	6.0
BOLSTER (C14-OS3)	7.3
BEUDIN	7.3
PST-4BEN	7.3
BAR VV-VP3-CT	5.7
COMPASS II (PPG-FRC 113)	6.3
RADAR	6.3
CASTLE (RAD-FC32)	5.3
BAR 6FR 126	6.7
CARDINAL II (PPG-FRR 111)	7.3
PST-4RUE	7.0
DLF-FRR 6162	6.3
RAD-FC44	5.3
DLFPS-FRR/3069	5.3
BOREAL	5.7
PST-4ED4	7.7
PST-4DR4	6.3
RAD-FR33R	4.7
RAD-FR47	5.0
SEABREEZE GT	6.0
MARVEL	4.7
DLFPS-FRR/3068	5.3
7C34	5.0
KENT	4.3
NAVIGATOR II	5.0
LSD VALUE	1.2
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 25B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	MD1
CASCADE	7.0
DLF-FRC 3338	6.7
PPG-FRC 114	7.0
DLFPS-FRC/3057	7.0
DLFPS-FRC/3060	7.0
BOLSTER (C14-OS3)	7.3
BAR VV-VP3-CT	5.7
COMPASS II (PPG-FRC 113)	6.3
RADAR	6.3
CASTLE (RAD-FC32)	5.3
BAR 6FR 126	6.7
RAD-FC44	5.3
LSD VALUE	1.1
C.V. (%)	10.6

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 25C. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2017 DATA

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

NAME	MD1
PST-4BEN	7.3
CARDINAL II (PPG-FRR 111)	7.3
PST-4RUE	7.0
DLF-FRR 6162	6.3
DLFPS-FRR/3069	5.3
BOREAL	5.7
PST-4ED4	7.7
PST-4DR4	6.3
RAD-FR33R	4.7
RAD-FR47	5.0
MARVEL	4.7
DLFPS-FRR/3068	5.3
7C34	5.0
KENT	4.3
NAVIGATOR II	5.0
LSD VALUE	1.3
C.V. (%)	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 25D. RED THREAD RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2017 DATA

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

NAME	MD1
BEACON	7.7
MNHD-14	7.0
DLFPS-FL/3060	7.0
DLFPS-FL/3066	6.7
MINIMUS	6.3
JETTY (PPG-FL 106)	7.0
SWORD	6.3
GLADIATOR (TH456)	7.3
QUATRO	7.0
PST-4BND	6.0
RESOLUTE (7H7)	6.7
LSD VALUE	1.0
C.V. (%)	8.8

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 25E. RED THREAD RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2017 DATA

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

NAME	MD1
BAR FRT 5002	6.7
SEAMIST (PPG-FRT 101)	6.0
BEUDIN	7.3
SEABREEZE GT	6.0
LSD VALUE	1.3
C.V. (%)	12.6

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 26A. BROWN PATCH RATINGS OF FINELEAF FESCUE CULTIVARS
AT RALEIGH, NC 1/
2017 DATA

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

NAME	JULY	BROWN PATCH AUGUST	MEAN
BEUDIN	7.0	5.0	6.0
GLADIATOR (TH456)	8.0	4.0	6.0
MINIMUS	7.0	5.0	6.0
BEACON	7.0	4.0	5.5
DLF-FRR 6162	6.0	4.0	5.0
DLFPS-FRC/3057	6.0	4.0	5.0
PST-4DR4	6.5	3.5	5.0
RESOLUTE (7H7)	7.0	3.0	5.0
RAD-FR33R	5.5	4.0	4.8
PST-4BEN	6.0	3.3	4.7
7C34	5.7	3.3	4.5
MARVEL	6.0	3.0	4.5
CARDINAL II (PPG-FRR 111)	5.3	3.3	4.3
DLF-FRC 3338	5.3	3.3	4.3
PST-4RUE	5.0	3.7	4.3
RADAR	5.3	3.3	4.3
BAR VV-VP3-CT	5.3	3.0	4.2
CASTLE (RAD-FC32)	5.0	3.0	4.0
MOMENTUM (PPG-FRC 114)	4.3	3.7	4.0
PST-4ED4	5.0	3.0	4.0
BOLSTER (C14-OS3)	4.0	3.0	3.5
COMPASS II (PPG-FRC 113)	4.3	2.7	3.5
DLFPS-FL/3060	5.0	2.0	3.5
DLFPS-FRR/3068	4.7	2.3	3.5
DLFPS-FRR/3069	4.0	3.0	3.5
SEAMIST (PPG-FRT 101)	4.3	2.7	3.5
BAR 6FR 126	4.5	2.0	3.3
CASCADE	3.3	3.3	3.3
DLFPS-FRC/3060	4.5	2.0	3.3
KENT	3.5	3.0	3.3
NAVIGATOR II	4.0	2.7	3.3
BOREAL	4.0	2.0	3.0
QUATRO	4.0	2.0	3.0
RAD-FC44	3.0	3.0	3.0
RAD-FR47	3.0	2.0	2.5
BAR FRT 5002	.	.	.
DLFPS-FL/3066	.	.	.
JETTY (PPG-FL 106)	.	.	.
MNHD-14	.	.	.
PST-4BND	.	.	.
SEABREEZE GT	.	.	.
SWORD	.	.	.
LSD VALUE	2.8	3.4	2.0
C.V. (%)	20.0	27.2	17.5

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

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

TABLE 26B. BROWN PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS
AT RALEIGH, NC 1/
2017 DATA

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

NAME	JULY	BROWN PATCH AUGUST	MEAN
DLFPS-FRC/3057	6.0	4.0	5.0
DLF-FRC 3338	5.3	3.3	4.3
RADAR	5.3	3.3	4.3
BAR VV-VP3-CT	5.3	3.0	4.2
CASTLE (RAD-FC32)	5.0	3.0	4.0
PPG-FRC 114	4.3	3.7	4.0
BOLSTER (C14-OS3)	4.0	3.0	3.5
COMPASS II (PPG-FRC 113)	4.3	2.7	3.5
BAR 6FR 126	4.5	2.0	3.3
CASCADE	3.3	3.3	3.3
DLFPS-FRC/3060	4.5	2.0	3.3
RAD-FC44	3.0	3.0	3.0
LSD VALUE	2.1	2.6	1.8
C.V. (%)	18.4	28.6	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 26C. BROWN PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT RALEIGH, NC 1/
2017 DATA

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

NAME	JULY	BROWN PATCH AUGUST	MEAN
DLF-FRR 6162	6.0	4.0	5.0
PST-4DR4	6.5	3.5	5.0
RAD-FR33R	5.5	4.0	4.8
PST-4BEN	6.0	3.3	4.7
7C34	5.7	3.3	4.5
MARVEL	6.0	3.0	4.5
CARDINAL II (PPG-FRR 111)	5.3	3.3	4.3
PST-4RUE	5.0	3.7	4.3
PST-4ED4	5.0	3.0	4.0
DLFPS-FRR/3068	4.7	2.3	3.5
DLFPS-FRR/3069	4.0	3.0	3.5
KENT	3.5	3.0	3.3
NAVIGATOR II	4.0	2.7	3.3
BOREAL	4.0	2.0	3.0
RAD-FR47	3.0	2.0	2.5
LSD VALUE	2.8	3.3	2.0
C.V. (%)	20.0	28.9	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 26D. BROWN PATCH RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
AT RALEIGH, NC 1/
2017 DATA

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

NAME	JULY	BROWN PATCH AUGUST	MEAN
GLADIATOR (TH456)	8	4	6.0
MINIMUS	7	5	6.0
BEACON	7	4	5.5
RESOLUTE (7H7)	7	3	5.0
DLFPS-FL/3060	5	2	3.5
QUATRO	4	2	3.0
DLFPS-FL/3066	.	.	.
JETTY (PPG-FL 106)	.	.	.
MNHD-14	.	.	.
PST-4BND	.	.	.
SWORD	.	.	.
LSD VALUE	.	.	.
C.V. (%)	.	.	.

- 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 26E. BROWN PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT RALEIGH, NC 1/
2017 DATA

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

NAME	JULY	BROWN PATCH AUGUST	MEAN
BEUDIN	7.0	5.0	6.0
SEAMIST (PPG-FRT 101)	4.3	2.7	3.5
BAR FRT 5002	.	.	.
SEABREEZE GT	.	.	.
LSD VALUE	.	.	.
C.V. (%)	.	.	.

- 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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR FINELEAF FESCUE CULTIVARS */
 2017 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
7C34	5.0	25.0
BAR 6FR 126	4.6	0.0
BAR FRT 5002	4.5	8.3
BAR VV-VP3-CT	4.9	8.3
BEACON	5.3	58.3
BEUDIN	4.4	25.0
BOREAL	4.2	0.0
BOLSTER (C14-OS3)	5.6	25.0
CARDINAL II (PPG-FRR 111)	5.2	33.3
CASCADE	4.7	8.3
CASTLE (RAD-FC32)	5.0	25.0
COMPASS II (PPG-FRC 113)	5.6	33.3
DLF-FRC 3338	5.6	25.0
DLF-FRR 6162	5.0	16.7
DLFPS-FL/3060	5.6	41.7
DLFPS-FL/3066	5.7	50.0
DLFPS-FRC/3057	5.6	33.3
DLFPS-FRC/3060	5.1	8.3
DLFPS-FRR/3068	4.8	8.3
DLFPS-FRR/3069	4.5	0.0
GLADIATOR (TH456)	5.6	66.7
JETTY (PPG-FL 106)	5.6	66.7
KENT	4.4	16.7
MARVEL	4.4	0.0
MINIMUS	5.6	58.3
MNHD-14	5.5	58.3
NAVIGATOR II	4.6	0.0
MOMENTUM (PPG-FRC 114)	5.5	25.0
PST-4BEN	5.1	16.7
PST-4BND	5.1	50.0
PST-4DR4	4.8	0.0
PST-4ED4	4.6	0.0
PST-4RUE	4.9	25.0
QUATRO	5.0	8.3
RAD-FC44	5.0	25.0
RAD-FR33R	4.6	8.3
RAD-FR47	4.5	8.3
RADAR	5.6	33.3
RESOLUTE (7H7)	5.5	66.7
SEABREEZE GT	4.5	0.0
SEAMIST (PPG-FRT 101)	5.0	0.0
SWORD	5.2	50.0
LSD VALUE	0.2	
C.V. (%)	10.0	

*/ 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 VALUE 0.05).
 **/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
 1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
 2/ MAXIMUM IN TOP 25%: THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.