

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 2016**

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
Washington	Pullman	WA1

**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	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	Barenburg USA
27	BAR VV-VP3-CT	Chewings Fescue	Barenburg USA
28	BAR 6FR 126	Chewings Fescue	Barenburg USA
29	C14-OS3	Strong Creeping Red	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	Pure Seed Testing 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	Hard Fescue	DLF Pickseed USA

* Commercially Available in the USA in 2017

TABLE A.

2016 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	6.1-6.5	0-60	151-240	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
CT2	SANDY LOAM	6.1-6.5	0-60	151-240	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	241-375	1.1-2.0	UNIFORM SHADE	2.1-2.5	NO IRRIGATION
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	SILT LOAM AND SILT	6.1-6.5	61-150	376-500	0.0-1.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
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	241-375	1.1-2.0	PARTIAL SHADE	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.6-7.0	271-450	241-375	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OR1	-	-	-	-	-	-	-	-
OR2	-	-	-	-	-	-	-	-
WA1	SILT LOAM AND SILT	5.6-6.0	451+	501+	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2016

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
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	X			X
CT2				X	X	X	X	X	X	X	X			X
IL1				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				
MA1				X	X	X	X	X	X	X	X	X		
MD1				X	X	X	X	X	X	X	X			
MI1				X	X	X	X	X	X	X			X	X
MI2				X	X	X	X	X	X	X			X	X
MI3				X	X	X	X	X	X	X			X	X
MN1				X	X	X	X	X	X	X			X	X
MN2				X	X	X	X	X	X	X			X	
MN3				X	X	X	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	
OR1	X	X	X	X	X	X	X	X	X	X	X	X		X
OR2				X	X	X	X	X	X	X	X	X		X
WA1				X	X	X	X	X	X	X			X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2016

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	LEAF SPOT	STEM RUST	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.	SUMMER PATCH
CA3		X												
CA5	X	X												
CT1			X	X	X	X					X	X		
CT2				X	X	X					X	X		
IL1														
IL2				X	X									
IN1		X									X			
MA1														
MD1							X					X		X
MI1						X		X				X		
MI2						X		X			X	X		
MI3						X		X			X	X		
MN1						X					X			
MN2						X						X		
MN3						X					X			
MO1				X	X	X								
NC1	X	X	X	X	X	X	X						X	
ND1	X	X	X	X	X	X								
NJ1														
NJ2						X			X		X			X
OR1				X	X	X								
OR2				X	X	X								
WA1						X								

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2016

LOCATION	CHINCH BUGS	FALL COLOR OCTOBER	PERCENT POA ANNUA	WEAR TOLERANCE RATINGS		
				MAY	JULY	SEPTEMBER
CA3						
CA5		X				
CT1						
CT2						
IL1						
IL2						
IN1			X			
MA1				X	X	X
MD1						
MI1						
MI2						
MI3						
MN1						
MN2						
MN3						
MO1						
NC1						
ND1						
NJ1	X					
NJ2						
OR1						
OR2						
WA1						

TABLE 1A.

TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 **/
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY NUMBER	NJ1	IL1	MI1	ND1	WA1	OR1	MEAN
* GLADIATOR (TH456)	12	7.1	5.3	6.2	6.4	5.2	6.6	6.1
MINIMUS	1	7.7	4.7	6.0	6.1	4.9	6.2	5.9
* RESOLUTE (7H7)	13	7.0	4.8	6.2	6.1	5.0	6.4	5.9
* JETTY (PPG-FL 106)	19	7.4	4.6	6.0	5.9	4.8	6.0	5.8
DLFPS-FL/3066	4	6.8	4.3	6.1	6.1	5.0	6.3	5.8
MNHD-14	8	7.0	4.3	6.0	6.0	4.8	6.2	5.7
* BEACON	17	6.6	4.7	5.9	6.0	4.8	6.2	5.7
* SWORD	14	7.0	4.3	5.8	6.0	4.8	6.1	5.7
PST-4BEN	35	6.9	5.4	5.2	6.0	4.1	6.2	5.6
DLF-FRR 6162	41	6.9	5.4	5.1	6.0	4.1	6.3	5.6
7C34	3	6.5	5.6	5.1	6.1	4.1	6.4	5.6
PST-4BND	36	6.5	4.6	5.6	6.1	4.7	6.1	5.6
* CARDINAL II (PPG-FRR 111)	22	7.3	5.4	5.2	5.8	3.9	6.1	5.6
DLFPS-FL/3060	6	6.8	3.9	6.0	5.8	4.8	6.1	5.6
C14-OS3	29	6.7	5.1	5.6	5.6	4.0	6.4	5.6
* RADAR	16	6.3	4.9	5.4	5.5	3.9	6.4	5.4
* COMPASS II (PPG-FRC 113)	23	6.3	5.1	5.5	5.4	3.8	6.3	5.4
PST-4RUE	34	6.4	5.1	4.9	5.9	4.0	6.1	5.4
DLFPS-FRC/3057	38	6.3	5.5	5.4	5.2	3.6	6.1	5.3
DLF-FRC 3338	40	6.2	4.9	5.4	5.3	3.8	6.2	5.3
DLFPS-FRR/3068	9	5.7	4.8	4.9	5.9	4.0	6.1	5.2
PST-4DR4	33	6.2	4.5	4.9	5.8	4.0	6.0	5.2
* QUATRO	10	6.4	1.8	5.6	6.2	5.0	6.0	5.2
PST-4ED4	37	6.6	4.9	4.8	5.4	3.6	5.7	5.2
PPG-FRC 114	20	6.5	3.4	5.5	5.3	4.0	6.1	5.1
DLFPS-FRC/3060	5	5.5	3.1	5.3	5.8	4.3	6.2	5.0
* MARVEL	2	4.7	5.2	4.6	5.8	3.8	6.2	5.0
* NAVIGATOR II	18	5.6	4.5	4.6	5.7	3.7	6.0	5.0
* RAD-FR47	32	4.9	5.1	4.5	5.8	3.7	6.1	5.0
* CASTLE (RAD-FC32)	25	4.1	5.3	4.8	5.7	3.8	6.4	5.0
* CASCADE	39	6.0	3.7	4.8	5.6	3.8	5.9	5.0
RAD-FR33R	30	4.6	4.8	4.5	5.8	3.8	6.1	4.9
* KENT	24	4.8	4.2	4.5	5.7	3.7	5.9	4.8
* RAD-FC44	31	4.2	3.7	4.9	5.6	3.9	6.2	4.8
* SEABREEZE GT	15	4.1	3.1	4.8	6.0	4.3	6.1	4.8
DLFPS-FRR/3069	7	5.5	3.2	4.7	5.5	3.8	5.8	4.7
* SEAMIST (PPG-FRT 101)	21	5.0	2.0	5.2	5.4	4.1	6.0	4.6
BAR 6FR 126	28	3.5	1.9	5.1	6.1	4.6	6.4	4.6
BAR VV-VP3-CT	27	3.6	2.1	5.0	5.8	4.3	6.2	4.5
* BEUDIN	42	3.5	2.3	4.7	5.9	4.3	6.1	4.5
* BOREAL	11	4.2	2.5	4.4	5.7	4.0	5.7	4.4
BAR FRT 5002	26	2.7	2.0	4.5	5.8	4.2	6.0	4.2
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		9.4	13.0	10.4	9.4	12.9	8.8	10.4

*/ COMMERCIALY AVAILABLE IN THE USA IN 2017

**/ 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 LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
 2016 DATA

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

NAME	NJ1	IL1	MI1	ND1	WA1	OR1	MEAN
RADAR	6.3	4.9	5.4	5.5	3.9	6.4	5.4
COMPASS II (PPG-FRC 113)	6.3	5.1	5.5	5.4	3.8	6.3	5.4
DLFPS-FRC/3057	6.3	5.5	5.4	5.2	3.6	6.1	5.3
DLF-FRC 3338	6.2	4.9	5.4	5.3	3.8	6.2	5.3
PPG-FRC 114	6.5	3.4	5.5	5.3	4.0	6.1	5.1
DLFPS-FRC/3060	5.5	3.1	5.3	5.8	4.3	6.2	5.0
CASTLE (RAD-FC32)	4.1	5.3	4.8	5.7	3.8	6.4	5.0
CASCADE	6.0	3.7	4.8	5.6	3.8	5.9	5.0
RAD-FC44	4.2	3.7	4.9	5.6	3.9	6.2	4.8
BAR 6FR 126	3.5	1.9	5.1	6.1	4.6	6.4	4.6
BAR VV-VP3-CT	3.6	2.1	5.0	5.8	4.3	6.2	4.5
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	10.2	13.7	10.5	9.7	13.6	8.7	10.8

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

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

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

TABLE 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

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

NAME	NJ1	IL1	MI1	ND1	WA1	OR1	MEAN
PST-4BEN	6.9	5.4	5.2	6.0	4.1	6.2	5.6
DLF-FRR 6162	6.9	5.4	5.1	6.0	4.1	6.3	5.6
7C34	6.5	5.6	5.1	6.1	4.1	6.4	5.6
CARDINAL II (PPG-FRR 111)	7.3	5.4	5.2	5.8	3.9	6.1	5.6
C14-OS3	6.7	5.1	5.6	5.6	4.0	6.4	5.6
PST-4RUE	6.4	5.1	4.9	5.9	4.0	6.1	5.4
DLFPS-FRR/3068	5.7	4.8	4.9	5.9	4.0	6.1	5.2
PST-4DR4	6.2	4.5	4.9	5.8	4.0	6.0	5.2
PST-4ED4	6.6	4.9	4.8	5.4	3.6	5.7	5.2
MARVEL	4.7	5.2	4.6	5.8	3.8	6.2	5.0
NAVIGATOR II	5.6	4.5	4.6	5.7	3.7	6.0	5.0
RAD-FR47	4.9	5.1	4.5	5.8	3.7	6.1	5.0
RAD-FR33R	4.6	4.8	4.5	5.8	3.8	6.1	4.9
KENT	4.8	4.2	4.5	5.7	3.7	5.9	4.8
DLFPS-FRR/3069	5.5	3.2	4.7	5.5	3.8	5.8	4.7
BOREAL	4.2	2.5	4.4	5.7	4.0	5.7	4.4
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.4	11.5	11.4	9.4	14.0	9.0	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 1D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	NJ1	IL1	MI1	ND1	WA1	OR1	MEAN
GLADIATOR (TH456)	7.1	5.3	6.2	6.4	5.2	6.6	6.1
MINIMUS	7.7	4.7	6.0	6.1	4.9	6.2	5.9
RESOLUTE (7H7)	7.0	4.8	6.2	6.1	5.0	6.4	5.9
JETTY (PPG-FL 106)	7.4	4.6	6.0	5.9	4.8	6.0	5.8
DLFPS-FL/3066	6.8	4.3	6.1	6.1	5.0	6.3	5.8
MNHD-14	7.0	4.3	6.0	6.0	4.8	6.2	5.7
BEACON	6.6	4.7	5.9	6.0	4.8	6.2	5.7
SWORD	7.0	4.3	5.8	6.0	4.8	6.1	5.7
PST-4BND	6.5	4.6	5.6	6.1	4.7	6.1	5.6
DLFPS-FL/3060	6.8	3.9	6.0	5.8	4.8	6.1	5.6
QUATRO	6.4	1.8	5.6	6.2	5.0	6.0	5.2
BEUDIN	3.5	2.3	4.7	5.9	4.3	6.1	4.5
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	8.2	12.9	9.3	9.0	11.4	8.8	9.7

TABLE 1E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 1 */
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	NJ1	IL1	MI1	ND1	WA1	OR1	MEAN
SEABREEZE GT	4.1	3.1	4.8	6.0	4.3	6.1	4.8
SEAMIST (PPG-FRT 101)	5.0	2.0	5.2	5.4	4.1	6.0	4.6
BAR FRT 5002	2.7	2.0	4.5	5.8	4.2	6.0	4.2
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	13.7	23.0	11.2	9.4	12.9	9.0	12.0

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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 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NC1	MO1	MEAN
RADAR	7.4	5.4	6.0	6.3
COMPASS II (PPG-FRC 113)	7.5	5.2	6.0	6.2
C14-OS3	7.3	5.3	5.9	6.2
PPG-FRC 114	7.2	5.3	5.5	6.0
DLF-FRC 3338	7.2	4.5	5.6	5.8
DLFPS-FRC/3057	7.0	4.1	5.5	5.5
RAD-FC44	7.0	3.7	5.5	5.4
7C34	5.8	4.6	5.5	5.3
SEAMIST (PPG-FRT 101)	6.7	4.1	5.0	5.3
CASCADE	5.7	4.9	5.1	5.2
CARDINAL II (PPG-FRR 111)	5.5	4.8	5.2	5.2
DLFPS-FRC/3060	6.3	3.9	5.1	5.1
DLF-FRR 6162	5.4	4.6	5.3	5.1
PST-4BEN	5.4	4.5	5.2	5.0
DLFPS-FRR/3069	5.6	4.4	4.9	5.0
CASTLE (RAD-FC32)	6.7	2.8	5.4	5.0
NAVIGATOR II	5.5	4.1	5.1	4.9
BAR VV-VP3-CT	6.8	2.8	5.0	4.9
BAR 6FR 126	6.7	2.7	5.0	4.8
DLFPS-FRR/3068	5.5	3.6	5.0	4.7
MARVEL	5.8	3.2	5.2	4.7
PST-4DR4	5.2	4.0	4.9	4.7
PST-4RUE	5.1	4.0	4.9	4.7
RAD-FR47	5.5	3.2	5.0	4.6
KENT	5.4	3.3	4.8	4.5
RAD-FR33R	5.4	2.9	4.9	4.4
PST-4ED4	4.7	3.6	4.5	4.3
BAR FRT 5002	5.9	1.6	4.4	4.0
BEUDIN	5.5	1.9	4.4	3.9
SEABREEZE GT	5.3	1.9	4.4	3.9
BOREAL	4.8	2.5	4.2	3.8
QUATRO	4.4	2.6	3.8	3.6
DLFPS-FL/3060	5.1	1.5	4.0	3.6
DLFPS-FL/3066	5.0	1.5	4.2	3.6
MINIMUS	4.3	2.1	4.0	3.5
GLADIATOR (TH456)	4.9	1.3	4.3	3.5
RESOLUTE (7H7)	4.9	1.2	4.1	3.4
BEACON	4.9	1.2	4.1	3.4
MNHD-14	4.7	1.3	3.9	3.3
SWORD	4.4	1.3	3.8	3.2
JETTY (PPG-FL 106)	4.3	1.2	3.7	3.0
PST-4BND	4.1	0.8	3.7	2.9
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	9.6	17.1	11.3	11.9

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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 LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	CT1	NC1	MO1	MEAN
RADAR	7.4	5.4	6.0	6.3
COMPASS II (PPG-FRC 113)	7.5	5.2	6.0	6.2
PPG-FRC 114	7.2	5.3	5.5	6.0
DLF-FRC 3338	7.2	4.5	5.6	5.8
DLFPS-FRC/3057	7.0	4.1	5.5	5.5
RAD-FC44	7.0	3.7	5.5	5.4
CASCADE	5.7	4.9	5.1	5.2
DLFPS-FRC/3060	6.3	3.9	5.1	5.1
CASTLE (RAD-FC32)	6.7	2.8	5.4	5.0
BAR VV-VP3-CT	6.8	2.8	5.0	4.9
BAR 6FR 126	6.7	2.7	5.0	4.8
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	7.9	13.2	10.0	9.9

*/ 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 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	CT1	NC1	MO1	MEAN
C14-OS3	7.3	5.3	5.9	6.2
7C34	5.8	4.6	5.5	5.3
CARDINAL II (PPG-FRR 111)	5.5	4.8	5.2	5.2
DLF-FRR 6162	5.4	4.6	5.3	5.1
PST-4BEN	5.4	4.5	5.2	5.0
DLFPS-FRR/3069	5.6	4.4	4.9	5.0
NAVIGATOR II	5.5	4.1	5.1	4.9
DLFPS-FRR/3068	5.5	3.6	5.0	4.7
MARVEL	5.8	3.2	5.2	4.7
PST-4DR4	5.2	4.0	4.9	4.7
PST-4RUE	5.1	4.0	4.9	4.7
RAD-FR47	5.5	3.2	5.0	4.6
KENT	5.4	3.3	4.8	4.5
RAD-FR33R	5.4	2.9	4.9	4.4
PST-4ED4	4.7	3.6	4.5	4.3
BOREAL	4.8	2.5	4.2	3.8
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	9.9	13.9	10.8	11.3

*/ 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 2D. TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	CT1	NC1	MO1	MEAN
BEUDIN	5.5	1.9	4.4	3.9
QUATRO	4.4	2.6	3.8	3.6
DLFPS-FL/3060	5.1	1.5	4.0	3.6
DLFPS-FL/3066	5.0	1.5	4.2	3.6
MINIMUS	4.3	2.1	4.0	3.5
GLADIATOR (TH456)	4.9	1.3	4.3	3.5
RESOLUTE (7H7)	4.9	1.2	4.1	3.4
BEACON	4.9	1.2	4.1	3.4
MNHD-14	4.7	1.3	3.9	3.3
SWORD	4.4	1.3	3.8	3.2
JETTY (PPG-FL 106)	4.3	1.2	3.7	3.0
PST-4BND	4.1	0.8	3.7	2.9
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	11.5	36.2	13.5	15.9

TABLE 2E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	CT1	NC1	MO1	MEAN
SEAMIST (PPG-FRT 101)	6.7	4.1	5.0	5.3
BAR FRT 5002	5.9	1.6	4.4	4.0
SEABREEZE GT	5.3	1.9	4.4	3.9
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	9.1	21.5	11.8	12.5

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

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

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

TABLE 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	MD1	MN2	MEAN
RESOLUTE (7H7)	5.9	6.1	7.0	6.4
DLFPS-FL/3060	5.5	5.9	7.1	6.2
GLADIATOR (TH456)	5.9	5.9	6.7	6.2
JETTY (PPG-FL 106)	5.7	6.0	6.7	6.1
DLFPS-FL/3066	5.6	5.8	6.8	6.0
MNHD-14	5.5	5.7	6.6	5.9
BEACON	5.5	5.6	6.5	5.9
SWORD	5.3	5.5	6.3	5.7
MINIMUS	5.3	5.5	6.1	5.6
PST-4BND	5.2	5.0	5.8	5.3
DLFPS-FRC/3057	4.7	5.0	6.2	5.3
DLF-FRC 3338	4.5	4.8	6.2	5.2
C14-OS3	4.4	4.7	6.0	5.1
COMPASS II (PPG-FRC 113)	4.4	4.7	6.0	5.0
PPG-FRC 114	4.0	4.6	6.2	4.9
RADAR	4.2	4.4	5.8	4.8
QUATRO	3.9	4.0	5.4	4.4
DLFPS-FRC/3060	3.7	3.7	5.4	4.3
SEAMIST (PPG-FRT 101)	3.4	3.6	5.6	4.2
CARDINAL II (PPG-FRR 111)	4.0	3.8	4.5	4.1
CASTLE (RAD-FC32)	3.9	3.3	4.9	4.1
BAR VV-VP3-CT	3.4	3.1	5.4	4.0
RAD-FC44	3.5	3.3	5.2	4.0
PST-4BEN	3.9	3.6	4.4	4.0
BAR 6FR 126	3.4	3.0	5.4	3.9
7C34	3.9	3.4	4.3	3.8
DLF-FRR 6162	3.8	3.4	4.2	3.8
PST-4ED4	3.7	3.4	4.2	3.8
DLFPS-FRR/3068	3.7	3.2	4.3	3.7
SEABREEZE GT	3.5	2.8	4.5	3.6
PST-4RUE	3.6	3.1	4.0	3.6
PST-4DR4	3.5	3.1	4.1	3.6
BEUDIN	3.2	2.6	4.5	3.4
MARVEL	3.5	2.7	3.9	3.4
BAR FRT 5002	3.0	2.4	4.6	3.3
RAD-FR47	3.4	2.6	3.8	3.3
CASCADE	3.0	2.7	4.0	3.3
RAD-FR33R	3.3	2.5	3.8	3.2
DLFPS-FRR/3069	2.9	2.6	4.1	3.2
NAVIGATOR II	3.2	2.6	3.8	3.2
KENT	3.1	2.4	3.7	3.1
BOREAL	2.7	2.1	3.7	2.8
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	13.3	13.9	10.5	12.4

*/ 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 3B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NJ2	MD1	MN2	MEAN
DLFPS-FRC/3057	4.7	5.0	6.2	5.3
DLF-FRC 3338	4.5	4.8	6.2	5.2
COMPASS II (PPG-FRC 113)	4.4	4.7	6.0	5.0
PPG-FRC 114	4.0	4.6	6.2	4.9
RADAR	4.2	4.4	5.8	4.8
DLFPS-FRC/3060	3.7	3.7	5.4	4.3
CASTLE (RAD-FC32)	3.9	3.3	4.9	4.1
BAR VV-VP3-CT	3.4	3.1	5.4	4.0
RAD-FC44	3.5	3.3	5.2	4.0
BAR 6FR 126	3.4	3.0	5.4	3.9
CASCADE	3.0	2.7	4.0	3.3
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	14.0	14.0	9.8	12.3

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

TABLE 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

NAME	NJ2	MD1	MN2	MEAN
C14-OS3	4.4	4.7	6.0	5.1
CARDINAL II (PPG-FRR 111)	4.0	3.8	4.5	4.1
PST-4BEN	3.9	3.6	4.4	4.0
7C34	3.9	3.4	4.3	3.8
DLF-FRR 6162	3.8	3.4	4.2	3.8
PST-4ED4	3.7	3.4	4.2	3.8
DLFPS-FRR/3068	3.7	3.2	4.3	3.7
PST-4RUE	3.6	3.1	4.0	3.6
PST-4DR4	3.5	3.1	4.1	3.6
MARVEL	3.5	2.7	3.9	3.4
RAD-FR47	3.4	2.6	3.8	3.3
RAD-FR33R	3.3	2.5	3.8	3.2
DLFPS-FRR/3069	2.9	2.6	4.1	3.2
NAVIGATOR II	3.2	2.6	3.8	3.2
KENT	3.1	2.4	3.7	3.1
BOREAL	2.7	2.1	3.7	2.8
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	15.3	17.6	13.0	15.1

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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 LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

NAME	NJ2	MD1	MN2	MEAN
RESOLUTE (7H7)	5.9	6.1	7.0	6.4
DLFPS-FL/3060	5.5	5.9	7.1	6.2
GLADIATOR (TH456)	5.9	5.9	6.7	6.2
JETTY (PPG-FL 106)	5.7	6.0	6.7	6.1
DLFPS-FL/3066	5.6	5.8	6.8	6.0
MNHD-14	5.5	5.7	6.6	5.9
BEACON	5.5	5.6	6.5	5.9
SWORD	5.3	5.5	6.3	5.7
MINIMUS	5.3	5.5	6.1	5.6
PST-4BND	5.2	5.0	5.8	5.3
QUATRO	3.9	4.0	5.4	4.4
BEUDIN	3.2	2.6	4.5	3.4
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	10.4	10.3	8.6	9.7

TABLE 3E. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATIONS PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

NAME	NJ2	MD1	MN2	MEAN
SEAMIST (PPG-FRT 101)	3.4	3.6	5.6	4.2
SEABREEZE GT	3.5	2.8	4.5	3.6
BAR FRT 5002	3.0	2.4	4.6	3.3
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	16.4	18.5	11.1	14.6

*/ 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

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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 ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
C14-OS3	6.5	6.2	7.5	6.7
COMPASS II (PPG-FRC 113)	5.7	6.5	6.9	6.4
RESOLUTE (7H7)	4.9	6.0	7.9	6.3
PPG-FRC 114	5.6	6.2	6.7	6.2
DLF-FRC 3338	6.0	5.9	6.6	6.2
DLFPS-FRC/3057	5.6	5.5	7.4	6.2
RADAR	5.8	5.5	6.9	6.1
SEAMIST (PPG-FRT 101)	5.8	6.0	6.3	6.1
BAR VV-VP3-CT	5.5	5.9	6.6	6.0
DLFPS-FL/3060	4.9	6.2	6.8	6.0
DLFPS-FRC/3060	5.4	5.4	6.9	5.9
GLADIATOR (TH456)	5.1	5.9	6.7	5.9
JETTY (PPG-FL 106)	5.3	6.0	6.3	5.9
RAD-FC44	5.2	5.8	6.5	5.8
MNHD-14	5.5	5.8	6.1	5.8
DLFPS-FL/3066	5.3	5.5	6.6	5.8
CASTLE (RAD-FC32)	5.2	5.5	6.6	5.8
MINIMUS	4.9	6.2	6.0	5.7
BEACON	4.7	5.5	6.4	5.5
BAR FRT 5002	5.2	4.8	6.6	5.5
BAR 6FR 126	4.9	5.0	6.6	5.5
SWORD	4.9	5.4	6.2	5.5
QUATRO	4.9	5.6	5.6	5.4
CARDINAL II (PPG-FRR 111)	5.9	5.4	4.3	5.2
7C34	5.4	4.7	5.0	5.0
SEABREEZE GT	4.9	4.9	5.1	5.0
BEUDIN	4.8	4.3	5.8	5.0
PST-4BEN	5.2	5.2	4.4	4.9
CASCADE	5.3	4.5	5.0	4.9
NAVIGATOR II	5.8	4.4	4.3	4.8
DLF-FRR 6162	5.0	5.0	4.4	4.8
PST-4BND	4.2	5.0	5.1	4.8
DLFPS-FRR/3068	5.7	4.1	3.9	4.6
PST-4ED4	5.1	5.0	3.6	4.6
RAD-FR33R	5.1	4.3	4.2	4.5
PST-4DR4	5.1	4.5	4.0	4.5
MARVEL	5.1	4.1	4.4	4.5
DLFPS-FRR/3069	5.3	3.9	4.1	4.4
KENT	4.8	4.2	4.1	4.4
RAD-FR47	4.6	4.0	4.1	4.3
PST-4RUE	4.2	4.5	3.8	4.1
BOREAL	4.3	3.0	3.9	3.7
LSD VALUE	1.0	0.9	0.8	0.5
C.V. (%)	11.6	11.1	9.2	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 4B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
COMPASS II (PPG-FRC 113)	5.7	6.5	6.9	6.4
PPG-FRC 114	5.6	6.2	6.7	6.2
DLF-FRC 3338	6.0	5.9	6.6	6.2
DLFPS-FRC/3057	5.6	5.5	7.4	6.2
RADAR	5.8	5.5	6.9	6.1
BAR VV-VP3-CT	5.5	5.9	6.6	6.0
DLFPS-FRC/3060	5.4	5.4	6.9	5.9
RAD-FC44	5.2	5.8	6.5	5.8
CASTLE (RAD-FC32)	5.2	5.5	6.6	5.8
BAR 6FR 126	4.9	5.0	6.6	5.5
CASCADE	5.3	4.5	5.0	4.9
LSD VALUE	1.0	1.0	0.8	0.5
C.V. (%)	10.9	11.2	7.3	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 4C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
C14-OS3	6.5	6.2	7.5	6.7
CARDINAL II (PPG-FRR 111)	5.9	5.4	4.3	5.2
7C34	5.4	4.7	5.0	5.0
PST-4BEN	5.2	5.2	4.4	4.9
NAVIGATOR II	5.8	4.4	4.3	4.8
DLF-FRR 6162	5.0	5.0	4.4	4.8
DLFPS-FRR/3068	5.7	4.1	3.9	4.6
PST-4ED4	5.1	5.0	3.6	4.6
RAD-FR33R	5.1	4.3	4.2	4.5
PST-4DR4	5.1	4.5	4.0	4.5
MARVEL	5.1	4.1	4.4	4.5
DLFPS-FRR/3069	5.3	3.9	4.1	4.4
KENT	4.8	4.2	4.1	4.4
RAD-FR47	4.6	4.0	4.1	4.3
PST-4RUE	4.2	4.5	3.8	4.1
BOREAL	4.3	3.0	3.9	3.7
LSD VALUE	1.2	0.7	0.8	0.5
C.V. (%)	13.9	9.9	11.0	12.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4D. MEAN TURFGRASS QUALITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
RESOLUTE (7H7)	4.9	6.0	7.9	6.3
DLFPS-FL/3060	4.9	6.2	6.8	6.0
GLADIATOR (TH456)	5.1	5.9	6.7	5.9
JETTY (PPG-FL 106)	5.3	6.0	6.3	5.9
MNHD-14	5.5	5.8	6.1	5.8
DLFPS-FL/3066	5.3	5.5	6.6	5.8
MINIMUS	4.9	6.2	6.0	5.7
BEACON	4.7	5.5	6.4	5.5
SWORD	4.9	5.4	6.2	5.5
QUATRO	4.9	5.6	5.6	5.4
BEUDIN	4.8	4.3	5.8	5.0
PST-4BND	4.2	5.0	5.1	4.8
LSD VALUE	0.8	1.1	1.0	0.6
C.V. (%)	10.1	12.7	10.0	11.1

TABLE 4E. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN ON A FAIRWAY AT THREE LOCATIONS IN THE U.S.
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IN1	MI2	MN1	MEAN
SEAMIST (PPG-FRT 101)	5.8	6.0	6.3	6.1
BAR FRT 5002	5.2	4.8	6.6	5.5
SEABREEZE GT	4.9	4.9	5.1	5.0
LSD VALUE	0.3	0.5	0.4	0.2
C.V. (%)	2.9	6.1	4.5	4.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
C14-OS3	6.7	99.0	88.7	99.0	8.7	9.0	7.0	7.0	7.3	7.0	6.3	7.0	7.7	7.3	7.1
COMPASS II (PPG-FRC 113)	7.0	99.0	91.3	97.7	9.0	9.0	7.3	7.0	7.0	6.7	6.3	7.0	7.3	6.7	6.9
PPG-FRC 114	7.3	99.0	91.3	96.3	8.7	9.0	7.0	6.3	7.3	6.7	6.0	6.7	7.7	7.0	6.8
BAR VV-VP3-CT	6.7	96.0	90.7	96.3	8.7	9.0	6.3	6.3	6.7	7.0	6.0	7.0	7.7	6.7	6.7
DLFPS-FRC/3057	6.3	99.0	89.3	95.0	8.0	9.0	7.0	7.0	6.3	6.7	5.7	6.7	7.0	7.0	6.7
RADAR	7.7	99.0	90.7	97.7	8.3	9.0	7.0	6.0	6.7	6.7	6.0	6.7	7.7	6.7	6.7
DLF-FRC 3338	7.3	97.7	86.3	94.7	8.0	9.0	7.3	7.0	7.0	6.7	5.3	6.3	7.0	6.3	6.6
CASTLE (RAD-FC32)	8.0	97.7	85.3	94.7	8.3	9.0	6.0	6.7	6.3	6.7	5.7	6.7	7.3	6.7	6.5
DLFPS-FRC/3060	7.3	96.0	90.0	97.7	8.7	9.0	6.3	6.3	6.7	6.7	6.0	6.7	7.0	6.3	6.5
SEAMIST (PPG-FRT 101)	5.0	94.3	86.7	88.3	8.7	9.0	6.0	6.3	6.3	6.3	5.3	6.3	6.3	6.3	6.2
7C34	7.0	99.0	86.0	76.7	8.0	9.0	6.7	6.7	7.0	6.0	5.3	5.3	5.7	5.3	6.0
RAD-FC44	9.0	96.0	81.7	83.3	8.5	9.0	6.7	6.3	6.0	5.3	5.0	6.0	5.7	6.0	5.9
DLF-FRR 6162	6.3	97.7	82.3	80.0	8.7	8.7	6.0	6.3	6.3	5.0	5.0	5.0	5.7	5.3	5.6
MARVEL	5.7	96.0	80.3	73.3	8.0	9.0	6.0	6.7	6.0	5.3	4.7	5.3	5.7	5.0	5.6
DLFPS-FRR/3068	5.3	95.3	81.3	60.0	7.7	9.0	5.7	6.0	6.3	5.7	4.3	4.7	5.0	5.0	5.3
RAD-FR33R	8.0	95.0	87.0	68.3	7.7	9.0	6.3	6.0	6.0	5.0	5.0	5.0	4.3	4.7	5.3
RAD-FR47	8.3	92.7	80.3	75.0	8.0	8.7	6.3	5.3	5.0	6.3	4.3	4.7	5.3	5.0	5.3
BAR FRT 5002	4.0	99.0	86.7	36.7	.	9.0	6.3	7.0	6.0	5.7	4.0	3.7	4.3	4.3	5.2
CASCADE	6.7	91.3	80.3	88.3	8.0	9.0	5.0	5.0	5.0	5.0	4.7	6.0	5.3	5.3	5.2
CARDINAL II (PPG-FRR 111)	6.3	91.7	73.7	63.3	7.3	9.0	5.7	5.7	5.3	5.0	5.0	5.0	4.7	4.7	5.1
DLFPS-FRR/3069	6.0	94.7	76.0	78.3	7.7	9.0	5.7	5.7	5.0	5.0	5.0	4.7	5.0	4.7	5.1
PST-4BEN	7.3	89.7	75.0	78.3	7.7	9.0	6.0	5.0	4.7	5.0	4.7	5.3	5.3	5.0	5.1
BAR 6FR 126	5.7	97.7	81.0	55.0	8.0	9.0	6.7	5.3	5.3	4.7	4.0	4.7	5.0	4.3	5.0
BEUDIN	4.0	94.0	86.0	38.3	8.0	9.0	5.7	5.7	6.3	6.3	4.3	3.7	4.0	4.3	5.0
NAVIGATOR II	6.0	90.0	80.3	75.0	7.7	8.7	5.3	5.0	5.0	4.7	4.3	4.3	5.3	5.0	4.9
PST-4DR4	7.0	92.7	71.3	65.0	8.0	8.7	4.7	5.3	5.0	5.0	4.7	5.3	4.3	4.7	4.9
KENT	6.0	93.3	76.7	65.0	7.3	9.0	5.7	4.3	4.3	4.3	4.3	5.3	5.3	4.7	4.8
BOREAL	5.7	88.3	74.0	55.0	8.0	9.0	5.3	4.7	4.0	4.3	4.0	5.0	4.7	4.7	4.6
PST-4ED4	6.3	94.3	69.3	55.0	8.0	8.7	5.3	5.3	4.7	4.0	4.0	4.3	4.3	4.7	4.6
PST-4RUE	6.7	88.3	76.7	56.7	8.0	9.0	4.7	4.3	5.0	4.3	4.0	4.7	4.3	4.3	4.5
SEABREEZE GT	5.0	89.3	84.3	46.7	8.0	9.0	5.0	4.7	5.0	4.7	4.0	4.0	4.3	4.7	4.5
QUATRO	6.0	89.3	65.0	71.7	8.0	9.0	5.0	4.7	3.7	4.3	4.3	4.0	4.3	4.7	4.4
DLFPS-FL/3060	6.3	93.3	55.3	26.7	9.0	9.0	4.3	5.0	3.7	3.3	3.7	3.0	3.3	3.3	3.7
MNHD-14	6.3	89.7	58.3	29.3	9.0	9.0	4.3	5.0	3.3	4.0	3.0	3.0	3.3	3.3	3.7
DLFPS-FL/3066	6.3	91.7	60.0	25.0	.	9.0	4.3	4.7	3.3	3.7	3.0	2.3	3.0	3.3	3.5
JETTY (PPG-FL 106)	6.3	83.3	50.0	26.0	.	9.0	4.3	4.3	3.0	3.7	3.3	2.7	3.7	3.3	3.5
RESOLUTE (7H7)	6.0	88.3	52.7	36.0	9.0	9.0	3.7	5.7	2.7	3.3	3.3	2.7	3.3	3.3	3.5
SWORD	6.0	87.7	50.0	40.0	9.0	9.0	4.0	4.7	2.3	2.7	3.0	3.7	3.3	3.7	3.4
BEACON	6.0	93.7	51.0	31.0	.	9.0	3.7	4.7	2.7	3.3	2.7	2.7	2.7	2.7	3.1
GLADIATOR (TH456)	5.7	86.7	47.3	23.7	8.0	9.0	4.0	4.3	2.7	3.0	2.7	2.0	2.7	2.7	3.0
PST-4BND	6.0	84.3	37.7	26.7	9.0	9.0	3.7	4.3	2.3	2.3	2.7	2.3	2.7	3.0	2.9
MINIMUS	6.0	78.3	31.7	18.3	.	9.0	3.7	3.7	1.7	2.3	2.3	2.7	2.7	2.7	2.7
LSD VALUE	1.3	9.2	16.5	21.6	2.6	0.7	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.1	0.8
C.V. (%)	12.6	5.4	14.3	22.3	8.3	2.2	14.9	14.0	16.3	15.3	17.9	17.6	17.6	15.3	11.3

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 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
COMPASS II (PPG-FRC 113)	7.0	99.0	91.3	97.7	9.0	9	7.3	7.0	7.0	6.7	6.3	7.0	7.3	6.7	6.9
PPG-FRC 114	7.3	99.0	91.3	96.3	8.7	9	7.0	6.3	7.3	6.7	6.0	6.7	7.7	7.0	6.8
BAR VV-VP3-CT	6.7	96.0	90.7	96.3	8.7	9	6.3	6.3	6.7	7.0	6.0	7.0	7.7	6.7	6.7
DLFPS-FRC/3057	6.3	99.0	89.3	95.0	8.0	9	7.0	7.0	6.3	6.7	5.7	6.7	7.0	7.0	6.7
RADAR	7.7	99.0	90.7	97.7	8.3	9	7.0	6.0	6.7	6.7	6.0	6.7	7.7	6.7	6.7
DLF-FRC 3338	7.3	97.7	86.3	94.7	8.0	9	7.3	7.0	7.0	6.7	5.3	6.3	7.0	6.3	6.6
CASTLE (RAD-FC32)	8.0	97.7	85.3	94.7	8.3	9	6.0	6.7	6.3	6.7	5.7	6.7	7.3	6.7	6.5
DLFPS-FRC/3060	7.3	96.0	90.0	97.7	8.7	9	6.3	6.3	6.7	6.7	6.0	6.7	7.0	6.3	6.5
RAD-FC44	9.0	96.0	81.7	83.3	8.5	9	6.7	6.3	6.0	5.3	5.0	6.0	5.7	6.0	5.9
CASCADE	6.7	91.3	80.3	88.3	8.0	9	5.0	5.0	5.0	5.0	4.7	6.0	5.3	5.3	5.2
BAR 6FR 126	5.7	97.7	81.0	55.0	8.0	9	6.7	5.3	5.3	4.7	4.0	4.7	5.0	4.3	5.0
LSD VALUE	1.2	9.5	9.8	19.9	1.9	0	1.8	1.8	1.4	1.2	1.7	1.9	1.9	1.4	1.0
C.V. (%)	9.6	3.8	5.5	12.0	7.8	0	12.4	13.2	11.4	10.9	14.6	13.3	14.3	11.9	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 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
C14-OS3	6.7	99.0	88.7	99.0	8.7	9.0	7.0	7.0	7.3	7.0	6.3	7.0	7.7	7.3	7.1
7C34	7.0	99.0	86.0	76.7	8.0	9.0	6.7	6.7	7.0	6.0	5.3	5.3	5.7	5.3	6.0
DLF-FRR 6162	6.3	97.7	82.3	80.0	8.7	8.7	6.0	6.3	6.3	5.0	5.0	5.0	5.7	5.3	5.6
MARVEL	5.7	96.0	80.3	73.3	8.0	9.0	6.0	6.7	6.0	5.3	4.7	5.3	5.7	5.0	5.6
DLFPS-FRR/3068	5.3	95.3	81.3	60.0	7.7	9.0	5.7	6.0	6.3	5.7	4.3	4.7	5.0	5.0	5.3
RAD-FR33R	8.0	95.0	87.0	68.3	7.7	9.0	6.3	6.0	6.0	5.0	5.0	5.0	4.3	4.7	5.3
RAD-FR47	8.3	92.7	80.3	75.0	8.0	8.7	6.3	5.3	5.0	6.3	4.3	4.7	5.3	5.0	5.3
CARDINAL II (PPG-FRR 111)	6.3	91.7	73.7	63.3	7.3	9.0	5.7	5.7	5.3	5.0	5.0	5.0	4.7	4.7	5.1
DLFPS-FRR/3069	6.0	94.7	76.0	78.3	7.7	9.0	5.7	5.7	5.0	5.0	5.0	4.7	5.0	4.7	5.1
PST-4BEN	7.3	89.7	75.0	78.3	7.7	9.0	6.0	5.0	4.7	5.0	4.7	5.3	5.3	5.0	5.1
NAVIGATOR II	6.0	90.0	80.3	75.0	7.7	8.7	5.3	5.0	5.0	4.7	4.3	4.3	5.3	5.0	4.9
PST-4DR4	7.0	92.7	71.3	65.0	8.0	8.7	4.7	5.3	5.0	5.0	4.7	5.3	4.3	4.7	4.9
KENT	6.0	93.3	76.7	65.0	7.3	9.0	5.7	4.3	4.3	4.3	4.3	5.3	5.3	4.7	4.8
BOREAL	5.7	88.3	74.0	55.0	8.0	9.0	5.3	4.7	4.0	4.3	4.0	5.0	4.7	4.7	4.6
PST-4ED4	6.3	94.3	69.3	55.0	8.0	8.7	5.3	5.3	4.7	4.0	4.0	4.3	4.3	4.7	4.6
PST-4RUE	6.7	88.3	76.7	56.7	8.0	9.0	4.7	4.3	5.0	4.3	4.0	4.7	4.3	4.3	4.5
LSD VALUE	2.1	8.2	14.5	15.8	2.5	0.9	1.9	1.2	1.1	1.4	0.9	1.1	1.1	0.8	0.6
C.V. (%)	14.9	4.2	8.5	13.2	9.4	3.4	14.3	12.4	12.7	14.5	10.8	12.1	12.9	9.8	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 5D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
BEUDIN	4.0	94.0	86.0	38.3	8	9	5.7	5.7	6.3	6.3	4.3	3.7	4.0	4.3	5.0
QUATRO	6.0	89.3	65.0	71.7	8	9	5.0	4.7	3.7	4.3	4.3	4.0	4.3	4.7	4.4
DLFPS-FL/3060	6.3	93.3	55.3	26.7	9	9	4.3	5.0	3.7	3.3	3.7	3.0	3.3	3.3	3.7
MNHD-14	6.3	89.7	58.3	29.3	9	9	4.3	5.0	3.3	4.0	3.0	3.0	3.3	3.3	3.7
DLFPS-FL/3066	6.3	91.7	60.0	25.0	.	9	4.3	4.7	3.3	3.7	3.0	2.3	3.0	3.3	3.5
JETTY (PPG-FL 106)	6.3	83.3	50.0	26.0	.	9	4.3	4.3	3.0	3.7	3.3	2.7	3.7	3.3	3.5
RESOLUTE (7H7)	6.0	88.3	52.7	36.0	9	9	3.7	5.7	2.7	3.3	3.3	2.7	3.3	3.3	3.5
SWORD	6.0	87.7	50.0	40.0	9	9	4.0	4.7	2.3	2.7	3.0	3.7	3.3	3.7	3.4
BEACON	6.0	93.7	51.0	31.0	.	9	3.7	4.7	2.7	3.3	2.7	2.7	2.7	2.7	3.1
GLADIATOR (TH456)	5.7	86.7	47.3	23.7	8	9	4.0	4.3	2.7	3.0	2.7	2.0	2.7	2.7	3.0
PST-4BND	6.0	84.3	37.7	26.7	9	9	3.7	4.3	2.3	2.3	2.7	2.3	2.7	3.0	2.9
MINIMUS	6.0	78.3	31.7	18.3	.	9	3.7	3.7	1.7	2.3	2.3	2.7	2.7	2.7	2.7
LSD VALUE	1.4	17.3	24.8	18.2	.	0	1.8	2.1	1.6	1.2	1.9	1.7	1.8	1.6	1.2
C.V. (%)	11.8	7.9	24.3	32.1	.	0	18.9	17.8	29.8	20.1	26.1	26.6	23.2	22.2	17.5

TABLE 5E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT STORRS, CT 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
SEAMIST (PPG-FRT 101)	5.0	94.3	86.7	88.3	8.7	9	6.0	6.3	6.3	6.3	5.3	6.3	6.3	6.3	6.2
BAR FRT 5002	4.0	99.0	86.7	36.7	.	9	6.3	7.0	6.0	5.7	4.0	3.7	4.3	4.3	5.2
SEABREEZE GT	5.0	89.3	84.3	46.7	8.0	9	5.0	4.7	5.0	4.7	4.0	4.0	4.3	4.7	4.5
LSD VALUE	1.3	12.8	4.5	23.1	.	0	2.3	2.1	1.8	1.5	1.8	1.9	2.8	1.5	1.5
C.V. (%)	12.4	5.9	2.3	17.4	6.0	0	16.8	15.2	13.5	12.0	17.6	17.5	24.5	13.0	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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS									MEAN
	MAY	JULY	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RAD-FC44	5.7	5.7	6.0	5.7	6.3	6.7	6.0	6.0	6.7	6.3	7.0	6.0	6.3
COMPASS II (PPG-FRC 113)	6.3	6.7	7.0	5.0	7.0	6.3	6.7	6.3	6.3	5.3	5.7	5.0	6.0
RESOLUTE (7H7)	8.0	8.0	8.0	5.0	6.0	5.7	6.3	6.3	6.0	6.3	6.7	6.0	6.0
C14-OS3	5.0	5.7	5.3	5.3	6.3	6.3	6.0	6.3	6.0	5.3	6.0	5.0	5.9
CASTLE (RAD-FC32)	5.3	5.3	6.7	5.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9
DLF-FRC 3338	6.3	6.3	6.3	4.7	6.3	6.3	6.3	6.7	6.3	5.3	5.7	5.0	5.9
DLFPS-FRC/3057	5.7	6.3	7.0	4.7	6.3	6.3	6.0	6.3	6.0	6.0	6.0	5.0	5.9
JETTY (PPG-FL 106)	7.3	6.3	6.7	4.3	6.0	5.7	6.3	6.3	6.0	6.7	6.0	5.3	5.9
BAR VV-VP3-CT	5.3	5.7	6.7	4.7	5.7	6.3	6.0	6.0	5.7	6.0	5.7	5.3	5.7
BEACON	6.3	5.7	6.0	5.0	6.3	6.0	6.3	5.7	5.7	5.7	6.0	5.0	5.7
BEUDIN	4.3	5.0	5.0	5.3	6.0	5.0	5.0	5.7	5.3	6.7	6.3	6.0	5.7
RADAR	4.7	5.0	5.3	4.7	5.3	6.0	6.0	6.3	6.7	5.7	5.7	4.7	5.7
SEAMIST (PPG-FRT 101)	6.0	6.7	7.0	5.3	6.3	6.3	6.3	6.7	6.0	5.3	5.3	4.0	5.7
BAR FRT 5002	5.7	5.3	5.7	5.0	6.0	5.0	5.7	5.3	5.3	5.7	6.3	5.7	5.6
PPG-FRC 114	5.3	6.0	6.3	5.0	6.3	6.3	5.7	6.0	6.0	5.3	5.3	4.3	5.6
DLFPS-FL/3066	7.3	6.7	6.3	4.0	5.3	5.0	5.3	5.0	5.7	6.3	6.3	5.3	5.4
DLFPS-FRR/3068	4.7	6.0	6.0	5.3	6.0	5.7	6.0	5.0	5.7	5.0	5.0	4.7	5.4
MINIMUS	8.0	7.7	7.7	4.7	5.7	5.3	6.3	5.7	5.7	5.3	5.7	4.7	5.4
MNHD-14	7.3	7.3	7.7	3.7	5.0	5.7	5.3	5.3	5.7	6.3	6.3	5.3	5.4
7C34	6.3	6.0	5.7	4.7	5.0	5.3	5.7	5.7	5.3	5.3	5.0	4.3	5.1
BAR 6FR 126	4.7	5.0	5.3	4.7	5.0	4.3	5.3	5.0	5.3	5.3	5.3	5.3	5.1
DLFPS-FL/3060	7.7	7.7	7.0	4.0	5.0	5.0	5.0	5.7	5.3	6.0	5.7	4.7	5.1
DLFPS-FRC/3060	5.0	5.7	5.7	4.3	5.3	5.7	5.7	5.7	5.3	4.7	5.0	4.3	5.1
PST-4BEN	5.0	5.7	5.3	4.7	5.0	5.3	5.0	5.3	5.3	5.0	5.3	4.7	5.1
PST-4BND	5.7	6.7	6.0	4.7	5.3	4.7	4.7	5.0	5.0	6.3	5.3	5.3	5.1
CARDINAL II (PPG-FRR 111)	6.0	5.3	5.7	4.3	5.0	5.3	5.0	5.3	5.0	5.0	5.0	4.7	5.0
CASCADE	3.7	4.0	5.3	4.7	5.7	5.3	5.0	5.3	5.0	5.0	4.7	4.3	5.0
GLADIATOR (TH456)	6.7	5.7	5.7	4.3	5.0	4.3	5.0	4.7	5.0	5.3	6.0	5.7	5.0
NAVIGATOR II	5.0	5.0	5.7	4.3	4.7	5.7	5.3	5.0	5.0	5.0	5.0	5.0	5.0
PST-4ED4	5.3	6.0	5.7	4.3	5.3	5.0	5.3	5.3	5.0	5.0	5.0	4.7	5.0
MARVEL	5.3	4.7	4.7	4.0	4.3	5.3	5.0	5.0	5.3	5.3	5.0	4.7	4.9
QUATRO	7.0	6.7	6.3	3.7	4.3	5.7	5.3	4.7	5.0	4.7	5.3	5.0	4.9
RAD-FR47	4.7	4.7	4.7	3.7	4.3	4.7	5.0	5.3	5.3	5.0	5.3	5.0	4.9
DLF-FRR 6162	4.3	4.7	5.3	4.7	5.3	5.0	5.0	5.0	5.0	5.0	4.3	3.7	4.8
DLFPS-FRR/3069	4.0	4.3	4.7	4.0	4.3	5.0	5.0	5.0	5.3	5.0	5.0	4.7	4.8
PST-4DR4	5.0	5.0	5.3	4.3	5.3	5.3	5.0	5.0	5.0	5.0	4.3	4.0	4.8
RAD-FR33R	4.0	4.3	4.3	4.3	5.0	4.7	5.0	4.7	5.0	4.7	4.7	4.0	4.7
SEABREEZE GT	5.0	5.7	5.3	4.0	4.7	4.7	5.0	5.0	5.0	5.0	5.0	4.3	4.7
KENT	4.7	5.7	6.0	4.0	4.3	5.0	5.0	5.0	5.0	4.3	5.0	4.0	4.6
PST-4RUE	4.7	4.0	5.0	4.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.3	4.6
SWORD	5.3	5.3	5.0	3.3	4.0	3.3	4.0	4.0	4.7	5.0	5.3	5.0	4.3
BOREAL	3.3	3.7	4.3	4.0	4.7	4.0	4.3	4.3	4.3	4.3	4.0	3.7	4.2
LSD VALUE	1.0	1.0	1.2	1.2	1.0	1.0	1.2	0.9	0.8	0.9	0.9	0.9	0.6
C.V. (%)	12.0	11.6	12.8	13.4	11.6	11.1	12.1	10.1	8.4	10.3	10.2	11.3	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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS									MEAN
	MAY	JULY	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RAD-FC44	5.7	5.7	6.0	5.7	6.3	6.7	6.0	6.0	6.7	6.3	7.0	6.0	6.3
COMPASS II (PPG-FRC 113)	6.3	6.7	7.0	5.0	7.0	6.3	6.7	6.3	6.3	5.3	5.7	5.0	6.0
CASTLE (RAD-FC32)	5.3	5.3	6.7	5.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9
DLF-FRC 3338	6.3	6.3	6.3	4.7	6.3	6.3	6.3	6.7	6.3	5.3	5.7	5.0	5.9
DLFPS-FRC/3057	5.7	6.3	7.0	4.7	6.3	6.3	6.0	6.3	6.0	6.0	6.0	5.0	5.9
BAR VV-VP3-CT	5.3	5.7	6.7	4.7	5.7	6.3	6.0	6.0	5.7	6.0	5.7	5.3	5.7
RADAR	4.7	5.0	5.3	4.7	5.3	6.0	6.0	6.3	6.7	5.7	5.7	4.7	5.7
PPG-FRC 114	5.3	6.0	6.3	5.0	6.3	6.3	5.7	6.0	6.0	5.3	5.3	4.3	5.6
BAR 6FR 126	4.7	5.0	5.3	4.7	5.0	4.3	5.3	5.0	5.3	5.3	5.3	5.3	5.1
DLFPS-FRC/3060	5.0	5.7	5.7	4.3	5.3	5.7	5.7	5.7	5.3	4.7	5.0	4.3	5.1
CASCADE	3.7	4.0	5.3	4.7	5.7	5.3	5.0	5.3	5.0	5.0	4.7	4.3	5.0
LSD VALUE	1.1	1.3	0.7	1.1	0.9	0.9	1.1	0.7	0.6	1.2	0.8	0.7	0.3
C.V. (%)	11.7	12.4	6.9	10.3	8.4	8.8	9.0	6.5	6.3	10.1	8.2	8.0	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 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS									MEAN
	MAY	JULY	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
C14-OS3	5.0	5.7	5.3	5.3	6.3	6.3	6.0	6.3	6.0	5.3	6.0	5.0	5.9
DLFPS-FRR/3068	4.7	6.0	6.0	5.3	6.0	5.7	6.0	5.0	5.7	5.0	5.0	4.7	5.4
7C34	6.3	6.0	5.7	4.7	5.0	5.3	5.7	5.7	5.3	5.3	5.0	4.3	5.1
PST-4BEN	5.0	5.7	5.3	4.7	5.0	5.3	5.0	5.3	5.3	5.0	5.3	4.7	5.1
CARDINAL II (PPG-FRR 111)	6.0	5.3	5.7	4.3	5.0	5.3	5.0	5.3	5.0	5.0	5.0	4.7	5.0
NAVIGATOR II	5.0	5.0	5.7	4.3	4.7	5.7	5.3	5.0	5.0	5.0	5.0	5.0	5.0
PST-4ED4	5.3	6.0	5.7	4.3	5.3	5.0	5.3	5.3	5.0	5.0	5.0	4.7	5.0
MARVEL	5.3	4.7	4.7	4.0	4.3	5.3	5.0	5.0	5.3	5.3	5.0	4.7	4.9
RAD-FR47	4.7	4.7	4.7	3.7	4.3	4.7	5.0	5.3	5.3	5.0	5.3	5.0	4.9
DLF-FRR 6162	4.3	4.7	5.3	4.7	5.3	5.0	5.0	5.0	5.0	5.0	4.3	3.7	4.8
DLFPS-FRR/3069	4.0	4.3	4.7	4.0	4.3	5.0	5.0	5.0	5.3	5.0	5.0	4.7	4.8
PST-4DR4	5.0	5.0	5.3	4.3	5.3	5.3	5.0	5.0	5.0	5.0	4.3	4.0	4.8
RAD-FR33R	4.0	4.3	4.3	4.3	5.0	4.7	5.0	4.7	5.0	4.7	4.7	4.0	4.7
KENT	4.7	5.7	6.0	4.0	4.3	5.0	5.0	5.0	5.0	4.3	5.0	4.0	4.6
PST-4RUE	4.7	4.0	5.0	4.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.3	4.6
BOREAL	3.3	3.7	4.3	4.0	4.7	4.0	4.3	4.3	4.3	4.3	4.0	3.7	4.2
LSD VALUE	1.4	1.2	1.7	1.0	1.3	1.1	1.2	0.7	0.8	1.0	0.6	0.9	0.4
C.V. (%)	15.1	13.3	13.9	11.2	12.9	11.1	10.4	7.5	8.2	8.4	7.4	10.2	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 6D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS									MEAN
	MAY	JULY	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RESOLUTE (7H7)	8.0	8.0	8.0	5.0	6.0	5.7	6.3	6.3	6.0	6.3	6.7	6.0	6.0
JETTY (PPG-FL 106)	7.3	6.3	6.7	4.3	6.0	5.7	6.3	6.3	6.0	6.7	6.0	5.3	5.9
BEACON	6.3	5.7	6.0	5.0	6.3	6.0	6.3	5.7	5.7	5.7	6.0	5.0	5.7
BEUDIN	4.3	5.0	5.0	5.3	6.0	5.0	5.0	5.7	5.3	6.7	6.3	6.0	5.7
DLFPS-FL/3066	7.3	6.7	6.3	4.0	5.3	5.0	5.3	5.0	5.7	6.3	6.3	5.3	5.4
MINIMUS	8.0	7.7	7.7	4.7	5.7	5.3	6.3	5.7	5.7	5.3	5.7	4.7	5.4
MNHD-14	7.3	7.3	7.7	3.7	5.0	5.7	5.3	5.3	5.7	6.3	6.3	5.3	5.4
DLFPS-FL/3060	7.7	7.7	7.0	4.0	5.0	5.0	5.0	5.7	5.3	6.0	5.7	4.7	5.1
PST-4BND	5.7	6.7	6.0	4.7	5.3	4.7	4.7	5.0	5.0	6.3	5.3	5.3	5.1
GLADIATOR (TH456)	6.7	5.7	5.7	4.3	5.0	4.3	5.0	4.7	5.0	5.3	6.0	5.7	5.0
QUATRO	7.0	6.7	6.3	3.7	4.3	5.7	5.3	4.7	5.0	4.7	5.3	5.0	4.9
SWORD	5.3	5.3	5.0	3.3	4.0	3.3	4.0	4.0	4.7	5.0	5.3	5.0	4.3
LSD VALUE	1.0	1.0	1.5	1.9	1.5	1.1	1.7	1.8	1.2	1.3	2.1	1.4	1.1
C.V. (%)	8.8	9.2	12.9	19.3	13.9	12.5	15.7	15.7	10.0	11.3	13.4	11.6	10.1

TABLE 6E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2016 DATA

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

NAME NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS									MEAN MEAN
	MAY WEARMAY	JULY WEARJUL	SEPTEMBER WEARSEP	APR APR	MAY MAY	JUN JUN	JUL JUL	AUG AUG	SEP SEP	OCT OCT	NOV NOV	DEC DEC	
SEAMIST (PPG-FRT 101)	6.0	6.7	7.0	5.3	6.3	6.3	6.3	6.7	6.0	5.3	5.3	4.0	5.7
BAR FRT 5002	5.7	5.3	5.7	5.0	6.0	5.0	5.7	5.3	5.3	5.7	6.3	5.7	5.6
SEABREEZE GT	5.0	5.7	5.3	4.0	4.7	4.7	5.0	5.0	5.0	5.0	5.0	4.3	4.7
LSD VALUE	1.5	0.8	1.3	0.8	0.9	2.1	1.3	0.9	1.5	0.9	1.2	2.5	0.9
C.V. (%)	12.0	5.7	9.6	7.0	7.2	17.1	10.2	7.2	12.2	7.7	9.5	23.1	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 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DROUGHT TOLERANCE DORMANCY	RED THREAD	APR	MAY	JUN	QUALITY RATINGS JUL	AUG	SEP	OCT	MEAN
COMPASS II (PPG-FRC 113)	5.7	4.7	99.0	5.3	6.0	6.7	6.3	5.7	5.3	6.0	6.3	8.0	6.3
C14-OS3	6.0	5.0	99.0	4.3	6.0	6.3	5.7	5.3	5.7	5.7	6.7	8.3	6.2
DLFPS-FL/3060	6.0	4.0	96.3	5.3	8.0	6.3	6.0	5.7	6.0	6.0	5.7	6.3	6.0
PPG-FRC 114	6.3	4.0	97.7	3.3	6.0	6.7	6.3	5.3	5.0	5.3	6.0	7.0	6.0
JETTY (PPG-FL 106)	6.7	2.7	96.3	5.3	8.3	6.0	5.7	5.3	5.7	6.0	6.0	6.7	5.9
MINIMUS	6.0	5.7	88.3	5.7	8.0	7.3	6.7	5.7	6.3	5.0	5.3	4.7	5.9
SEAMIST (PPG-FRT 101)	6.0	5.0	95.0	4.3	5.3	7.0	7.0	5.0	5.0	6.0	5.0	6.3	5.9
DLF-FRC 3338	6.0	4.0	97.7	4.7	5.7	6.3	6.0	5.0	4.7	5.0	6.0	6.7	5.7
GLADIATOR (TH456)	6.3	3.3	97.7	7.3	8.3	4.7	4.7	5.3	6.0	5.7	6.7	7.0	5.7
QUATRO	6.3	4.7	97.7	5.3	8.3	5.7	5.3	5.0	5.7	5.7	6.0	6.3	5.7
RESOLUTE (7H7)	6.3	3.0	97.7	5.3	7.7	5.3	5.3	5.3	5.7	6.0	5.7	6.3	5.7
BAR VV-VP3-CT	6.3	4.7	97.7	4.0	5.3	6.0	5.7	5.0	5.0	5.3	6.0	6.3	5.6
CASTLE (RAD-FC32)	7.0	3.3	93.3	4.3	5.3	6.3	6.0	4.7	5.0	5.3	5.0	6.3	5.5
DLFPS-FL/3066	6.0	3.3	96.3	6.7	7.3	5.0	5.7	5.3	5.3	5.7	5.7	6.0	5.5
BEACON	5.7	3.3	96.3	6.7	7.7	5.3	5.0	5.3	5.3	5.7	5.3	6.0	5.4
DLFPS-FRC/3057	5.7	3.3	96.3	4.3	5.7	5.7	5.7	5.0	4.3	5.0	5.7	6.3	5.4
DLFPS-FRC/3060	5.3	4.3	91.7	5.3	5.3	6.0	5.7	5.0	5.0	5.3	5.0	5.7	5.4
MNHD-14	6.3	2.7	94.7	6.0	8.3	5.3	5.0	4.3	5.3	4.7	5.7	6.7	5.3
RAD-FC44	6.0	2.7	91.7	5.0	6.0	6.3	5.3	5.0	5.0	5.0	4.7	6.0	5.3
CARDINAL II (PPG-FRR 111)	7.0	4.0	94.3	4.3	7.7	5.7	5.0	4.7	4.3	5.0	5.3	6.0	5.1
RADAR	6.0	4.0	95.0	2.7	6.0	6.3	5.7	4.3	4.0	4.0	5.0	6.3	5.1
SWORD	6.0	3.7	97.7	4.3	8.0	5.3	5.3	4.3	4.7	4.7	5.0	6.3	5.1
BAR 6FR 126	5.3	4.7	93.0	3.3	5.0	6.7	6.7	4.7	3.7	3.0	4.7	5.7	5.0
DLF-FRR 6162	7.0	3.0	97.7	3.3	8.3	5.3	5.0	4.0	4.3	5.0	5.7	5.7	5.0
PST-4BND	5.7	3.0	93.0	5.0	8.0	5.0	4.3	5.0	5.0	5.3	5.3	5.3	5.0
PST-4ED4	7.0	3.7	95.0	5.7	8.0	5.3	4.7	4.3	5.0	4.7	5.3	5.7	5.0
PST-4BEN	7.0	3.3	94.7	4.3	8.0	5.0	4.7	4.0	4.7	4.7	5.0	5.3	4.8
7C34	7.0	4.0	85.0	5.0	6.3	5.3	5.0	4.7	4.3	5.0	4.0	4.7	4.7
SEABREEZE GT	5.3	4.0	68.3	5.0	5.7	5.7	5.7	4.7	4.7	4.3	3.7	4.0	4.7
CASCADE	5.3	3.3	90.0	3.7	7.0	5.0	4.3	3.3	4.0	5.0	5.0	5.3	4.6
NAVIGATOR II	7.0	4.3	60.0	6.0	6.3	5.7	5.0	5.0	4.7	4.0	3.0	3.3	4.4
PST-4RUE	7.0	3.3	96.3	4.3	8.3	4.3	4.3	3.3	3.3	4.7	4.7	6.0	4.4
BAR FRT 5002	6.0	7.7	78.3	2.0	7.0	7.3	6.7	4.0	4.0	2.0	2.3	3.7	4.3
PST-4DR4	6.7	4.0	88.3	4.7	7.0	4.3	4.0	4.3	3.7	4.7	4.7	4.7	4.3
BEUDIN	5.7	6.3	60.0	5.7	6.3	6.3	5.7	4.7	4.3	3.0	2.7	2.7	4.2
DLFPS-FRR/3068	6.7	3.0	76.7	5.0	8.0	4.7	4.0	3.7	3.7	5.0	4.0	4.0	4.1
KENT	6.7	4.3	71.7	4.0	7.0	5.0	4.3	4.3	4.3	4.0	3.3	3.3	4.1
RAD-FR33R	7.0	3.3	70.0	3.3	7.3	6.0	4.3	4.0	4.0	4.0	2.7	3.7	4.1
MARVEL	6.7	4.7	70.0	4.7	6.0	5.3	4.0	4.3	4.0	4.0	3.0	3.3	4.0
RAD-FR47	6.7	4.0	73.3	3.3	6.3	5.3	3.7	4.0	4.3	4.3	3.0	3.7	4.0
DLFPS-FRR/3069	6.7	4.0	70.0	3.7	7.0	5.3	3.7	4.0	4.0	4.3	3.0	2.7	3.9
BOREAL	6.0	3.0	70.0	3.7	6.7	4.3	3.0	3.3	3.0	2.3	2.3	2.7	3.0
LSD VALUE	0.7	1.3	12.7	6.2	1.2	1.5	1.2	1.8	1.6	1.2	0.9	1.4	0.8
C.V. (%)	6.7	19.8	9.2	39.6	11.4	14.2	14.3	17.5	18.2	15.6	12.1	17.0	10.7

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

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

TABLE 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT EAST LANSING, MI 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DROUGHT TOLERANCE DORMANCY	RED THREAD	APR	MAY	JUN	QUALITY RATINGS				MEAN
									JUL	AUG	SEP	OCT	
COMPASS II (PPG-FRC 113)	5.7	4.7	99.0	5.3	6.0	6.7	6.3	5.7	5.3	6.0	6.3	8.0	6.3
PPG-FRC 114	6.3	4.0	97.7	3.3	6.0	6.7	6.3	5.3	5.0	5.3	6.0	7.0	6.0
DLF-FRC 3338	6.0	4.0	97.7	4.7	5.7	6.3	6.0	5.0	4.7	5.0	6.0	6.7	5.7
BAR VV-VP3-CT	6.3	4.7	97.7	4.0	5.3	6.0	5.7	5.0	5.0	5.3	6.0	6.3	5.6
CASTLE (RAD-FC32)	7.0	3.3	93.3	4.3	5.3	6.3	6.0	4.7	5.0	5.3	5.0	6.3	5.5
DLFPS-FRC/3057	5.7	3.3	96.3	4.3	5.7	5.7	5.7	5.0	4.3	5.0	5.7	6.3	5.4
DLFPS-FRC/3060	5.3	4.3	91.7	5.3	5.3	6.0	5.7	5.0	5.0	5.3	5.0	5.7	5.4
RAD-FC44	6.0	2.7	91.7	5.0	6.0	6.3	5.3	5.0	5.0	5.0	4.7	6.0	5.3
RADAR	6.0	4.0	95.0	2.7	6.0	6.3	5.7	4.3	4.0	4.0	5.0	6.3	5.1
BAR 6FR 126	5.3	4.7	93.0	3.3	5.0	6.7	6.7	4.7	3.7	3.0	4.7	5.7	5.0
CASCADE	5.3	3.3	90.0	3.7	7.0	5.0	4.3	3.3	4.0	5.0	5.0	5.3	4.6
LSD VALUE	0.8	1.3	7.0	4.3	1.8	1.2	1.2	1.3	1.9	1.4	1.0	1.9	0.9
C.V. (%)	7.5	17.1	3.6	38.3	13.2	9.4	10.9	13.6	17.0	14.9	10.2	13.7	8.7

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

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

TABLE 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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DROUGHT TOLERANCE DORMANCY	RED THREAD	QUALITY RATINGS							MEAN
						APR	MAY	JUN	JUL	AUG	SEP	OCT	
C14-OS3	6.0	5.0	99.0	4.3	6.0	6.3	5.7	5.3	5.7	5.7	6.7	8.3	6.2
CARDINAL II (PPG-FRR 111)	7.0	4.0	94.3	4.3	7.7	5.7	5.0	4.7	4.3	5.0	5.3	6.0	5.1
DLF-FRR 6162	7.0	3.0	97.7	3.3	8.3	5.3	5.0	4.0	4.3	5.0	5.7	5.7	5.0
PST-4ED4	7.0	3.7	95.0	5.7	8.0	5.3	4.7	4.3	5.0	4.7	5.3	5.7	5.0
PST-4BEN	7.0	3.3	94.7	4.3	8.0	5.0	4.7	4.0	4.7	4.7	5.0	5.3	4.8
7C34	7.0	4.0	85.0	5.0	6.3	5.3	5.0	4.7	4.3	5.0	4.0	4.7	4.7
NAVIGATOR II	7.0	4.3	60.0	6.0	6.3	5.7	5.0	5.0	4.7	4.0	3.0	3.3	4.4
PST-4RUE	7.0	3.3	96.3	4.3	8.3	4.3	4.3	3.3	3.3	4.7	4.7	6.0	4.4
PST-4DR4	6.7	4.0	88.3	4.7	7.0	4.3	4.0	4.3	3.7	4.7	4.7	4.7	4.3
DLFPS-FRR/3068	6.7	3.0	76.7	5.0	8.0	4.7	4.0	3.7	3.7	5.0	4.0	4.0	4.1
KENT	6.7	4.3	71.7	4.0	7.0	5.0	4.3	4.3	4.3	4.0	3.3	3.3	4.1
RAD-FR33R	7.0	3.3	70.0	3.3	7.3	6.0	4.3	4.0	4.0	4.0	2.7	3.7	4.1
MARVEL	6.7	4.7	70.0	4.7	6.0	5.3	4.0	4.3	4.0	4.0	3.0	3.3	4.0
RAD-FR47	6.7	4.0	73.3	3.3	6.3	5.3	3.7	4.0	4.3	4.3	3.0	3.7	4.0
DLFPS-FRR/3069	6.7	4.0	70.0	3.7	7.0	5.3	3.7	4.0	4.0	4.3	3.0	2.7	3.9
BOREAL	6.0	3.0	70.0	3.7	6.7	4.3	3.0	3.3	3.0	2.3	2.3	2.7	3.0
LSD VALUE	1.0	0.9	18.8	3.7	1.6	1.7	1.7	1.6	1.3	0.8	0.8	1.5	0.7
C.V. (%)	6.3	13.8	13.2	30.7	11.6	14.2	18.2	16.4	15.7	11.0	12.4	20.2	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 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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DROUGHT TOLERANCE DORMANCY	RED THREAD	APR	MAY	QUALITY RATINGS					MEAN
								JUN	JUL	AUG	SEP	OCT	
DLFPS-FL/3060	6.0	4.0	96.3	5.3	8.0	6.3	6.0	5.7	6.0	6.0	5.7	6.3	6.0
JETTY (PPG-FL 106)	6.7	2.7	96.3	5.3	8.3	6.0	5.7	5.3	5.7	6.0	6.0	6.7	5.9
MINIMUS	6.0	5.7	88.3	5.7	8.0	7.3	6.7	5.7	6.3	5.0	5.3	4.7	5.9
GLADIATOR (TH456)	6.3	3.3	97.7	7.3	8.3	4.7	4.7	5.3	6.0	5.7	6.7	7.0	5.7
QUATRO	6.3	4.7	97.7	5.3	8.3	5.7	5.3	5.0	5.7	5.7	6.0	6.3	5.7
RESOLUTE (7H7)	6.3	3.0	97.7	5.3	7.7	5.3	5.3	5.3	5.7	6.0	5.7	6.3	5.7
DLFPS-FL/3066	6.0	3.3	96.3	6.7	7.3	5.0	5.7	5.3	5.3	5.7	5.7	6.0	5.5
BEACON	5.7	3.3	96.3	6.7	7.7	5.3	5.0	5.3	5.3	5.7	5.3	6.0	5.4
MNHD-14	6.3	2.7	94.7	6.0	8.3	5.3	5.0	4.3	5.3	4.7	5.7	6.7	5.3
SWORD	6.0	3.7	97.7	4.3	8.0	5.3	5.3	4.3	4.7	4.7	5.0	6.3	5.1
PST-4BND	5.7	3.0	93.0	5.0	8.0	5.0	4.3	5.0	5.0	5.3	5.3	5.3	5.0
BEUDIN	5.7	6.3	60.0	5.7	6.3	6.3	5.7	4.7	4.3	3.0	2.7	2.7	4.2
LSD VALUE	1.1	2.1	8.7	5.7	1.3	2.6	2.0	2.3	2.0	1.6	1.1	1.4	1.6
C.V. (%)	7.6	29.4	5.9	33.2	8.1	19.3	15.7	16.5	15.1	15.8	11.7	14.1	12.3

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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DROUGHT TOLERANCE DORMANCY	RED THREAD	APR	MAY	JUN	QUALITY RATINGS					MEAN
									JUL	AUG	SEP	OCT		
SEAMIST (PPG-FRT 101)	6.0	5.0	95.0	4.3	5.3	7.0	7.0	5.0	5.0	6.0	5.0	6.3	5.9	
SEABREEZE GT	5.3	4.0	68.3	5.0	5.7	5.7	5.7	4.7	4.7	4.3	3.7	4.0	4.7	
BAR FRT 5002	6.0	7.7	78.3	2.0	7.0	7.3	6.7	4.0	4.0	2.0	2.3	3.7	4.3	
LSD VALUE	0.8	1.2	30.6	4.2	0.9	1.3	1.2	1.8	1.5	1.5	0.9	1.9	0.3	
C.V. (%)	5.8	9.5	16.4	47.9	6.8	8.7	8.2	17.2	14.6	16.2	11.1	17.5	2.4	

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 8A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DOLLAR SPOT	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
RESOLUTE (7H7)	7.0	4.3	90.0	7.7	8.0	7.7	6.7	5.3	5.7	4.0	5.3	6.1
SEAMIST (PPG-FRT 101)	5.3	6.7	95.0	6.0	6.7	6.3	6.3	5.7	5.3	5.0	6.0	5.9
RADAR	7.0	5.0	92.0	6.0	7.3	7.7	6.0	5.0	4.7	4.7	5.3	5.8
BAR FRT 5002	2.0	3.0	91.7	5.7	6.7	7.0	6.3	5.0	4.3	4.3	6.0	5.7
DLFPS-FRC/3057	6.3	5.0	94.3	7.7	7.3	6.3	5.7	5.3	4.3	5.3	5.3	5.7
DLFPS-FRC/3060	6.0	6.7	93.0	6.3	6.7	6.3	6.7	5.0	4.7	4.7	6.0	5.7
BAR VV-VP3-CT	6.3	7.0	90.3	8.0	6.0	6.7	6.0	5.0	5.3	4.3	6.0	5.6
C14-OS3	5.0	5.0	91.3	8.3	6.7	7.0	6.0	4.7	4.7	4.7	5.7	5.6
DLFPS-FL/3060	5.3	4.7	92.7	7.7	7.0	6.0	6.3	5.7	5.0	4.3	5.0	5.6
PPG-FRC 114	8.0	5.3	96.7	6.0	6.3	6.7	6.3	4.7	4.7	4.7	5.7	5.6
CASTLE (RAD-FC32)	7.0	2.7	85.3	5.3	7.0	7.7	6.3	4.7	4.0	4.0	5.0	5.5
COMPASS II (PPG-FRC 113)	6.3	6.0	90.7	6.7	6.7	7.0	6.0	4.3	4.0	4.7	5.7	5.5
BAR 6FR 126	4.3	6.0	92.0	7.7	6.7	6.0	6.0	5.7	3.7	4.0	5.7	5.4
BEUDIN	1.0	3.0	81.3	4.3	5.7	7.0	5.7	5.7	4.0	3.7	5.3	5.3
DLF-FRC 3338	5.7	5.0	84.0	5.7	7.0	7.7	5.7	4.7	3.3	4.0	4.7	5.3
GLADIATOR (TH456)	5.7	3.7	86.0	8.0	7.0	6.3	5.7	4.3	3.7	3.3	4.3	5.0
JETTY (PPG-FL 106)	6.3	3.3	83.0	8.3	6.3	5.3	5.3	5.0	5.0	3.7	4.7	5.0
BEACON	5.7	4.7	83.7	8.0	6.7	6.0	5.7	4.3	4.0	3.3	4.3	4.9
MINIMUS	6.3	4.3	77.0	7.3	7.0	6.3	5.3	4.3	4.3	3.0	3.7	4.9
MNHD-14	6.7	3.3	93.3	8.0	6.3	5.3	5.0	4.7	4.7	4.0	4.3	4.9
RAD-FC44	6.7	3.7	83.0	6.3	6.3	6.7	5.3	4.0	3.3	3.7	4.7	4.9
SWORD	6.3	4.0	87.0	8.0	6.3	5.3	5.3	4.3	4.7	3.7	4.7	4.9
DLFPS-FL/3066	7.3	4.0	86.7	8.3	6.3	5.3	5.0	4.7	4.3	3.3	4.3	4.8
SEABREEZE GT	3.7	4.7	89.3	4.7	5.0	5.0	5.3	4.7	4.3	4.0	4.7	4.7
CASCADE	5.3	7.3	91.0	7.3	4.3	4.7	4.7	4.3	4.3	4.3	5.3	4.6
PST-4BND	6.3	3.3	88.0	8.0	5.7	4.3	4.7	4.0	4.3	4.0	4.7	4.5
7C34	4.3	4.3	83.0	4.0	5.3	6.0	5.7	4.7	3.0	2.7	3.7	4.4
QUATRO	4.3	5.0	85.0	7.7	6.0	4.0	4.7	3.7	4.0	4.0	4.7	4.4
DLF-FRR 6162	4.0	5.7	84.3	3.0	5.3	5.0	4.7	4.3	3.0	2.7	3.3	4.0
NAVIGATOR II	5.0	6.0	75.7	3.7	5.3	5.3	5.0	4.0	2.7	2.3	3.0	4.0
MARVEL	4.0	6.3	72.7	3.0	4.7	5.3	5.0	4.3	2.7	2.0	3.3	3.9
PST-4BEN	5.3	5.7	70.3	3.7	4.7	5.7	5.0	3.7	2.7	2.0	3.3	3.9
CARDINAL II (PPG-FRR 111)	5.3	6.0	71.0	4.0	4.7	4.3	4.7	4.3	3.3	2.7	2.7	3.8
DLFPS-FRR/3069	3.7	4.7	72.0	4.3	4.3	5.0	4.7	4.3	2.7	2.3	3.3	3.8
PST-4DR4	4.3	6.7	74.3	2.3	5.3	5.3	4.7	3.7	2.7	2.0	2.7	3.8
RAD-FR47	5.7	5.3	72.3	3.7	4.7	5.0	4.7	4.0	3.0	2.0	3.0	3.8
BOREAL	2.7	4.7	82.3	4.7	4.3	4.0	4.7	3.7	3.3	2.3	3.3	3.7
RAD-FR33R	6.0	6.3	72.3	3.7	4.7	5.3	4.0	3.3	3.0	2.0	3.3	3.7
DLFPS-FRR/3068	4.3	3.7	72.0	2.7	4.7	5.0	5.0	3.7	2.3	1.7	2.7	3.6
KENT	4.0	6.3	67.7	3.7	4.3	3.7	4.7	4.0	2.3	2.0	3.3	3.5
PST-4ED4	4.3	5.0	74.0	2.7	4.3	4.7	4.0	3.7	2.3	1.7	2.3	3.3
PST-4RUE	5.3	5.3	59.7	2.7	4.7	4.7	4.0	3.7	2.3	1.3	2.7	3.3
LSD VALUE	1.0	1.2	10.2	1.1	0.9	1.1	1.1	1.3	0.8	0.8	0.9	0.5
C.V. (%)	12.9	15.2	7.8	13.5	10.0	11.9	12.0	15.2	14.1	16.2	14.0	7.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.

STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS ON A FAIRWAY AT ST. PAUL, MN 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DOLLAR SPOT	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
RADAR	7.0	5.0	92.0	6.0	7.3	7.7	6.0	5.0	4.7	4.7	5.3	5.8
DLFPS-FRC/3057	6.3	5.0	94.3	7.7	7.3	6.3	5.7	5.3	4.3	5.3	5.3	5.7
DLFPS-FRC/3060	6.0	6.7	93.0	6.3	6.7	6.3	6.7	5.0	4.7	4.7	6.0	5.7
BAR VV-VP3-CT	6.3	7.0	90.3	8.0	6.0	6.7	6.0	5.0	5.3	4.3	6.0	5.6
PPG-FRC 114	8.0	5.3	96.7	6.0	6.3	6.7	6.3	4.7	4.7	4.7	5.7	5.6
CASTLE (RAD-FC32)	7.0	2.7	85.3	5.3	7.0	7.7	6.3	4.7	4.0	4.0	5.0	5.5
COMPASS II (PPG-FRC 113)	6.3	6.0	90.7	6.7	6.7	7.0	6.0	4.3	4.0	4.7	5.7	5.5
BAR 6FR 126	4.3	6.0	92.0	7.7	6.7	6.0	6.0	5.7	3.7	4.0	5.7	5.4
DLF-FRC 3338	5.7	5.0	84.0	5.7	7.0	7.7	5.7	4.7	3.3	4.0	4.7	5.3
RAD-FC44	6.7	3.7	83.0	6.3	6.3	6.7	5.3	4.0	3.3	3.7	4.7	4.9
CASCADE	5.3	7.3	91.0	7.3	4.3	4.7	4.7	4.3	4.3	4.3	5.3	4.6
LSD VALUE	1.1	0.9	8.8	1.5	1.0	1.2	1.4	2.2	1.0	1.4	1.1	0.7
C.V. (%)	10.2	10.7	4.9	12.0	8.9	10.1	11.0	17.3	12.5	14.2	9.7	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 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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DOLLAR SPOT	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
C14-0S3	5.0	5.0	91.3	8.3	6.7	7.0	6.0	4.7	4.7	4.7	5.7	5.6
7C34	4.3	4.3	83.0	4.0	5.3	6.0	5.7	4.7	3.0	2.7	3.7	4.4
DLF-FRR 6162	4.0	5.7	84.3	3.0	5.3	5.0	4.7	4.3	3.0	2.7	3.3	4.0
NAVIGATOR II	5.0	6.0	75.7	3.7	5.3	5.3	5.0	4.0	2.7	2.3	3.0	4.0
MARVEL	4.0	6.3	72.7	3.0	4.7	5.3	5.0	4.3	2.7	2.0	3.3	3.9
PST-4BEN	5.3	5.7	70.3	3.7	4.7	5.7	5.0	3.7	2.7	2.0	3.3	3.9
CARDINAL II (PPG-FRR 111)	5.3	6.0	71.0	4.0	4.7	4.3	4.7	4.3	3.3	2.7	2.7	3.8
DLFPS-FRR/3069	3.7	4.7	72.0	4.3	4.3	5.0	4.7	4.3	2.7	2.3	3.3	3.8
PST-4DR4	4.3	6.7	74.3	2.3	5.3	5.3	4.7	3.7	2.7	2.0	2.7	3.8
RAD-FR47	5.7	5.3	72.3	3.7	4.7	5.0	4.7	4.0	3.0	2.0	3.0	3.8
BOREAL	2.7	4.7	82.3	4.7	4.3	4.0	4.7	3.7	3.3	2.3	3.3	3.7
RAD-FR33R	6.0	6.3	72.3	3.7	4.7	5.3	4.0	3.3	3.0	2.0	3.3	3.7
DLFPS-FRR/3068	4.3	3.7	72.0	2.7	4.7	5.0	5.0	3.7	2.3	1.7	2.7	3.6
KENT	4.0	6.3	67.7	3.7	4.3	3.7	4.7	4.0	2.3	2.0	3.3	3.5
PST-4ED4	4.3	5.0	74.0	2.7	4.3	4.7	4.0	3.7	2.3	1.7	2.3	3.3
PST-4RUE	5.3	5.3	59.7	2.7	4.7	4.7	4.0	3.7	2.3	1.3	2.7	3.3
LSD VALUE	1.4	1.5	17.9	1.3	1.0	1.2	1.3	1.7	1.2	0.9	1.1	0.6
C.V. (%)	16.9	14.6	11.5	22.4	11.3	13.2	13.0	16.0	20.9	22.9	19.7	9.2

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 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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DOLLAR SPOT	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
RESOLUTE (7H7)	7.0	4.3	90.0	7.7	8.0	7.7	6.7	5.3	5.7	4.0	5.3	6.1
DLFPS-FL/3060	5.3	4.7	92.7	7.7	7.0	6.0	6.3	5.7	5.0	4.3	5.0	5.6
BEUDIN	1.0	3.0	81.3	4.3	5.7	7.0	5.7	5.7	4.0	3.7	5.3	5.3
GLADIATOR (TH456)	5.7	3.7	86.0	8.0	7.0	6.3	5.7	4.3	3.7	3.3	4.3	5.0
JETTY (PPG-FL 106)	6.3	3.3	83.0	8.3	6.3	5.3	5.3	5.0	5.0	3.7	4.7	5.0
BEACON	5.7	4.7	83.7	8.0	6.7	6.0	5.7	4.3	4.0	3.3	4.3	4.9
MINIMUS	6.3	4.3	77.0	7.3	7.0	6.3	5.3	4.3	4.3	3.0	3.7	4.9
MNHD-14	6.7	3.3	93.3	8.0	6.3	5.3	5.0	4.7	4.7	4.0	4.3	4.9
SWORD	6.3	4.0	87.0	8.0	6.3	5.3	5.3	4.3	4.7	3.7	4.7	4.9
DLFPS-FL/3066	7.3	4.0	86.7	8.3	6.3	5.3	5.0	4.7	4.3	3.3	4.3	4.8
PST-4BND	6.3	3.3	88.0	8.0	5.7	4.3	4.7	4.0	4.3	4.0	4.7	4.5
QUATRO	4.3	5.0	85.0	7.7	6.0	4.0	4.7	3.7	4.0	4.0	4.7	4.4
LSD VALUE	1.0	2.2	11.8	1.1	1.4	1.3	1.2	1.1	0.7	1.1	1.3	0.6
C.V. (%)	11.8	23.2	6.4	8.5	10.6	13.5	11.5	12.9	9.1	13.3	12.8	6.7

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/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	GROUND COVER FALL	DOLLAR SPOT	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
SEAMIST (PPG-FRT 101)	5.3	6.7	95.0	6.0	6.7	6.3	6.3	5.7	5.3	5.0	6.0	5.9
BAR FRT 5002	2.0	3.0	91.7	5.7	6.7	7.0	6.3	5.0	4.3	4.3	6.0	5.7
SEABREEZE GT	3.7	4.7	89.3	4.7	5.0	5.0	5.3	4.7	4.3	4.0	4.7	4.7
LSD VALUE	1.3	1.2	7.6	1.5	0.8	1.2	1.6	0.8	1.3	1.5	1.5	0.6
C.V. (%)	15.7	11.0	3.5	12.2	5.5	8.6	11.8	6.5	12.4	15.0	12.0	5.0

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

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

TABLE 9A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
 GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
 2016 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS									MEAN
		SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEABREEZE GT	5.7	83.3	95.3	80.0	5.7	6.7	6.3	7.0	7.3	7.0	6.7	5.0	4.7	6.3
DLF-FRC 3338	6.3	88.0	94.0	86.7	6.3	7.3	7.0	6.0	7.0	6.7	5.7	5.0	4.7	6.2
BEUDIN	6.0	88.0	84.7	83.3	6.0	6.7	6.0	6.0	6.3	6.3	6.7	5.7	5.3	6.1
CASTLE (RAD-FC32)	5.7	88.0	94.0	86.7	5.7	7.0	6.7	6.3	7.0	6.7	6.3	5.0	4.7	6.1
DLF-FRR 6162	6.0	83.3	94.0	76.7	6.0	6.7	6.3	6.3	7.0	6.3	6.3	5.0	4.7	6.1
DLFPS-FRC/3060	6.0	83.3	94.0	76.7	6.0	6.7	6.3	6.7	7.0	6.7	6.3	5.0	4.7	6.1
DLFPS-FRR/3069	5.7	80.0	94.0	76.7	5.7	7.3	7.0	7.0	7.0	6.3	5.3	4.7	4.3	6.1
BAR 6FR 126	5.3	83.3	94.0	83.3	5.3	6.7	6.0	6.3	7.0	6.3	6.0	5.3	4.7	6.0
BAR FRT 5002	5.7	83.3	89.3	80.0	5.7	6.3	6.3	6.0	6.7	6.7	6.3	5.3	4.7	6.0
CARDINAL II (PPG-FRR 111)	5.3	76.7	94.0	80.0	5.3	7.0	7.0	6.3	7.0	6.3	5.7	5.0	4.3	6.0
MARVEL	6.0	88.0	94.0	76.7	6.0	6.7	6.3	6.0	7.0	6.3	6.0	5.0	4.3	6.0
PST-4DR4	5.0	80.0	94.0	73.3	5.0	7.0	6.7	6.7	7.0	6.7	6.0	4.7	4.3	6.0
RAD-FC44	5.7	83.3	94.0	80.0	5.7	7.0	6.7	6.3	7.0	6.3	5.7	5.0	4.7	6.0
SWORD	5.3	80.0	94.0	73.3	5.3	6.0	6.0	7.0	7.0	7.0	6.7	4.7	4.0	6.0
7C34	5.3	80.0	84.7	73.3	5.3	7.3	6.7	6.0	6.3	6.3	5.7	5.0	4.3	5.9
BAR VV-VP3-CT	5.7	83.3	89.3	80.0	5.7	6.3	6.3	6.3	6.7	6.3	5.7	5.0	4.3	5.9
C14-OS3	5.3	80.0	94.0	80.0	5.3	6.7	6.3	6.3	7.0	6.0	5.7	5.3	4.7	5.9
COMPASS II (PPG-FRC 113)	5.3	83.3	89.3	83.3	5.3	6.7	6.3	6.3	6.7	6.0	5.7	5.0	5.0	5.9
DLFPS-FL/3066	5.3	83.3	89.3	76.7	5.3	7.0	6.0	6.3	6.7	6.3	6.0	4.7	4.7	5.9
DLFPS-FRC/3057	5.7	83.3	89.3	83.3	5.7	7.0	6.7	6.0	6.3	6.3	5.3	5.0	5.0	5.9
JETTY (PPG-FL 106)	5.7	83.3	89.3	76.7	5.7	6.3	6.0	6.3	6.3	6.3	6.0	5.3	4.7	5.9
PST-4BEN	5.3	80.0	89.3	76.7	5.3	7.0	6.7	6.3	6.3	6.3	5.7	5.0	4.7	5.9
PST-4ED4	5.0	80.0	94.0	76.7	5.0	7.0	6.3	6.7	6.7	6.3	5.7	4.7	4.3	5.9
PST-4RUE	5.7	86.7	89.3	73.3	5.7	7.0	6.0	6.7	6.7	6.0	5.7	5.0	4.3	5.9
RAD-FR33R	5.0	83.3	89.3	76.7	5.0	7.0	6.7	6.3	6.7	6.7	6.0	5.0	4.0	5.9
RAD-FR47	5.0	80.0	94.0	70.0	5.0	7.0	6.7	7.0	7.0	6.0	5.7	4.7	4.0	5.9
RADAR	6.0	86.7	89.3	80.0	6.0	6.7	6.0	6.3	6.7	6.3	5.7	5.0	4.7	5.9
RESOLUTE (7H7)	5.3	83.3	89.3	70.0	5.3	6.7	6.0	6.7	6.7	6.7	6.0	5.0	4.0	5.9
SEAMIST (PPG-FRT 101)	5.3	80.0	89.3	86.7	5.3	6.7	6.3	6.7	6.7	6.0	5.7	4.7	5.0	5.9
BEACON	5.7	83.3	94.0	76.7	5.7	6.0	6.0	6.3	7.0	6.3	5.7	4.7	4.7	5.8
DLFPS-FL/3060	5.3	80.0	89.3	70.0	5.3	6.7	6.3	6.3	6.7	6.7	6.0	4.3	4.0	5.8
GLADIATOR (TH456)	5.7	83.3	94.0	73.3	5.7	6.3	6.0	6.3	7.0	6.3	5.3	5.0	4.3	5.8
MINIMUS	6.3	86.7	84.7	80.0	6.3	6.0	6.0	6.0	6.3	6.0	5.7	5.0	4.7	5.8
NAVIGATOR II	5.7	83.3	89.3	73.3	5.7	6.3	6.3	6.7	6.7	6.3	5.3	4.7	4.3	5.8
PPG-FRC 114	5.7	83.3	89.3	76.7	5.7	6.7	6.7	6.3	6.0	6.0	5.3	5.0	4.3	5.8
DLFPS-FRR/3068	5.3	80.0	84.7	73.3	5.3	7.0	6.7	6.0	6.3	5.7	5.3	4.3	4.3	5.7
PST-4BND	5.3	83.3	84.7	73.3	5.3	6.3	6.0	6.0	6.3	6.3	6.3	4.7	4.3	5.7
QUATRO	5.7	80.0	89.3	80.0	5.7	5.7	5.3	6.0	6.3	6.3	6.0	5.0	4.7	5.7
BOREAL	5.7	86.7	94.0	70.0	5.7	6.7	6.0	6.3	7.0	6.0	5.3	4.0	3.7	5.6
CASCADE	5.3	80.0	84.7	80.0	5.3	6.3	6.0	6.0	6.0	5.7	5.7	4.3	5.0	5.6
MNHD-14	5.3	83.3	84.7	76.7	5.3	6.3	6.0	6.0	6.3	6.0	5.0	4.7	4.7	5.6
KENT	5.0	83.3	89.3	73.3	5.0	6.3	6.0	6.0	6.7	6.0	5.3	4.3	4.0	5.5
LSD VALUE	3.0	18.9	19.7	11.3	3.0	1.1	0.9	0.7	1.9	2.6	1.1	1.1	1.7	0.6
C.V. (%)	12.6	6.1	6.4	7.1	12.6	7.4	6.8	5.8	8.2	9.7	8.6	9.0	12.0	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 9B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS									MEAN
		SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-FRC 3338	6.3	88.0	94.0	86.7	6.3	7.3	7.0	6.0	7.0	6.7	5.7	5.0	4.7	6.2
CASTLE (RAD-FC32)	5.7	88.0	94.0	86.7	5.7	7.0	6.7	6.3	7.0	6.7	6.3	5.0	4.7	6.1
DLFPS-FRC/3060	6.0	83.3	94.0	76.7	6.0	6.7	6.3	6.7	7.0	6.7	6.3	5.0	4.7	6.1
BAR 6FR 126	5.3	83.3	94.0	83.3	5.3	6.7	6.0	6.3	7.0	6.3	6.0	5.3	4.7	6.0
RAD-FC44	5.7	83.3	94.0	80.0	5.7	7.0	6.7	6.3	7.0	6.3	5.7	5.0	4.7	6.0
BAR VV-VP3-CT	5.7	83.3	89.3	80.0	5.7	6.3	6.3	6.3	6.7	6.3	5.7	5.0	4.3	5.9
COMPASS II (PPG-FRC 113)	5.3	83.3	89.3	83.3	5.3	6.7	6.3	6.3	6.7	6.0	5.7	5.0	5.0	5.9
DLFPS-FRC/3057	5.7	83.3	89.3	83.3	5.7	7.0	6.7	6.0	6.3	6.3	5.3	5.0	5.0	5.9
RADAR	6.0	86.7	89.3	80.0	6.0	6.7	6.0	6.3	6.7	6.3	5.7	5.0	4.7	5.9
PPG-FRC 114	5.7	83.3	89.3	76.7	5.7	6.7	6.7	6.3	6.0	6.0	5.3	5.0	4.3	5.8
CASCADE	5.3	80.0	84.7	80.0	5.3	6.3	6.0	6.0	6.0	5.7	5.7	4.3	5.0	5.6
LSD VALUE	2.0	14.6	14.9	19.9	2.0	1.3	1.1	1.1	1.6	1.3	1.0	0.5	1.7	0.5
C.V. (%)	12.0	6.1	6.2	8.7	12.0	7.6	7.3	6.3	9.3	8.2	7.8	4.7	12.2	3.6

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

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

TABLE 9C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS									MEAN
		SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-FRR 6162	6.0	83.3	94.0	76.7	6.0	6.7	6.3	6.3	7.0	6.3	6.3	5.0	4.7	6.1
DLFPS-FRR/3069	5.7	80.0	94.0	76.7	5.7	7.3	7.0	7.0	7.0	6.3	5.3	4.7	4.3	6.1
CARDINAL II (PPG-FRR 111)	5.3	76.7	94.0	80.0	5.3	7.0	7.0	6.3	7.0	6.3	5.7	5.0	4.3	6.0
MARVEL	6.0	88.0	94.0	76.7	6.0	6.7	6.3	6.0	7.0	6.3	6.0	5.0	4.3	6.0
PST-4DR4	5.0	80.0	94.0	73.3	5.0	7.0	6.7	6.7	7.0	6.7	6.0	4.7	4.3	6.0
7C34	5.3	80.0	84.7	73.3	5.3	7.3	6.7	6.0	6.3	6.3	5.7	5.0	4.3	5.9
C14-OS3	5.3	80.0	94.0	80.0	5.3	6.7	6.3	6.3	7.0	6.0	5.7	5.3	4.7	5.9
PST-4BEN	5.3	80.0	89.3	76.7	5.3	7.0	6.7	6.3	6.3	6.3	5.7	5.0	4.7	5.9
PST-4ED4	5.0	80.0	94.0	76.7	5.0	7.0	6.3	6.7	6.7	6.3	5.7	4.7	4.3	5.9
PST-4RUE	5.7	86.7	89.3	73.3	5.7	7.0	6.0	6.7	6.7	6.0	5.7	5.0	4.3	5.9
RAD-FR33R	5.0	83.3	89.3	76.7	5.0	7.0	6.7	6.3	6.7	6.7	6.0	5.0	4.0	5.9
RAD-FR47	5.0	80.0	94.0	70.0	5.0	7.0	6.7	7.0	7.0	6.0	5.7	4.7	4.0	5.9
NAVIGATOR II	5.7	83.3	89.3	73.3	5.7	6.3	6.3	6.7	6.7	6.3	5.3	4.7	4.3	5.8
DLFPS-FRR/3068	5.3	80.0	84.7	73.3	5.3	7.0	6.7	6.0	6.3	5.7	5.3	4.3	4.3	5.7
BOREAL	5.7	86.7	94.0	70.0	5.7	6.7	6.0	6.3	7.0	6.0	5.3	4.0	3.7	5.6
KENT	5.0	83.3	89.3	73.3	5.0	6.3	6.0	6.0	6.7	6.0	5.3	4.3	4.0	5.5
LSD VALUE	2.0	13.2	14.7	11.2	2.0	1.4	1.1	0.7	1.4	2.0	1.6	1.1	1.3	0.7
C.V. (%)	12.4	6.0	6.0	5.9	12.4	7.1	6.9	5.6	7.0	9.8	9.7	9.8	10.9	4.5

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 9D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS									MEAN
		SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BEUDIN	6.0	88.0	84.7	83.3	6.0	6.7	6.0	6.0	6.3	6.3	6.7	5.7	5.3	6.1
SWORD	5.3	80.0	94.0	73.3	5.3	6.0	6.0	7.0	7.0	7.0	6.7	4.7	4.0	6.0
DLFPS-FL/3066	5.3	83.3	89.3	76.7	5.3	7.0	6.0	6.3	6.7	6.3	6.0	4.7	4.7	5.9
JETTY (PPG-FL 106)	5.7	83.3	89.3	76.7	5.7	6.3	6.0	6.3	6.3	6.3	6.0	5.3	4.7	5.9
RESOLUTE (7H7)	5.3	83.3	89.3	70.0	5.3	6.7	6.0	6.7	6.7	6.7	6.0	5.0	4.0	5.9
BEACON	5.7	83.3	94.0	76.7	5.7	6.0	6.0	6.3	7.0	6.3	5.7	4.7	4.7	5.8
DLFPS-FL/3060	5.3	80.0	89.3	70.0	5.3	6.7	6.3	6.3	6.7	6.7	6.0	4.3	4.0	5.8
GLADIATOR (TH456)	5.7	83.3	94.0	73.3	5.7	6.3	6.0	6.3	7.0	6.3	5.3	5.0	4.3	5.8
MINIMUS	6.3	86.7	84.7	80.0	6.3	6.0	6.0	6.0	6.3	6.0	5.7	5.0	4.7	5.8
PST-4BND	5.3	83.3	84.7	73.3	5.3	6.3	6.0	6.0	6.3	6.3	6.3	4.7	4.3	5.7
QUATRO	5.7	80.0	89.3	80.0	5.7	5.7	5.3	6.0	6.3	6.3	6.0	5.0	4.7	5.7
MNHD-14	5.3	83.3	84.7	76.7	5.3	6.3	6.0	6.0	6.3	6.0	5.0	4.7	4.7	5.6
LSD VALUE	2.3	13.9	18.0	11.5	2.3	0.9	0.4	0.8	1.7	2.0	0.8	1.3	1.5	0.5
C.V. (%)	13.9	5.9	7.5	6.8	13.9	6.9	3.8	6.0	9.1	10.3	7.1	10.9	13.3	3.6

TABLE 9E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2016 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS									MEAN
		SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEABREEZE GT	5.7	83.3	95.3	80.0	5.7	6.7	6.3	7.0	7.3	7.0	6.7	5.0	4.7	6.3
BAR FRT 5002	5.7	83.3	89.3	80.0	5.7	6.3	6.3	6.0	6.7	6.7	6.3	5.3	4.7	6.0
SEAMIST (PPG-FRT 101)	5.3	80.0	89.3	86.7	5.3	6.7	6.3	6.7	6.7	6.0	5.7	4.7	5.0	5.9
LSD VALUE	1.5	12.2	16.4	7.7	1.5	0.8	1.3	0.8	1.2	0.8	0.8	0.9	1.2	0.4
C.V. (%)	12.0	6.4	7.7	4.1	12.0	5.1	9.1	5.1	7.7	5.1	5.4	8.2	11.0	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 10A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
 GROWN UNDER SHADE AT CARBONDALE, IL 1/
 2016 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-FRC/3057	87.3	77.3	7.3	7.3	8.3	7.3	6.7	7.0	6.7	7.0	6.7	7.1
COMPASS II (PPG-FRC 113)	93.0	68.7	7.3	8.3	8.7	7.7	7.0	5.7	5.7	6.7	6.3	7.0
DLF-FRC 3338	86.0	53.7	7.7	7.7	8.3	7.3	6.3	5.3	6.7	6.7	6.0	6.9
DLF-FRR 6162	91.0	58.0	7.3	7.7	8.7	7.7	6.3	5.0	5.7	6.3	6.0	6.7
RAD-FC44	88.7	54.3	7.0	7.7	8.0	7.0	6.3	5.7	6.0	6.3	5.7	6.6
CASTLE (RAD-FC32)	93.0	53.7	7.7	8.0	7.7	7.3	6.0	5.0	5.0	5.7	6.0	6.5
BAR VV-VP3-CT	91.3	58.3	7.0	8.0	8.0	6.3	6.0	5.0	4.7	6.3	6.0	6.4
DLFPS-FL/3060	88.3	55.3	7.7	7.3	8.0	7.0	6.0	4.7	5.0	6.0	5.7	6.4
DLFPS-FRC/3060	91.7	58.0	7.3	7.7	9.0	6.3	6.0	5.0	5.0	6.0	5.7	6.4
C14-OS3	90.3	53.0	7.3	7.7	9.0	6.7	5.7	5.0	5.0	5.0	5.3	6.3
PPG-FRC 114	87.0	57.0	7.0	7.7	8.0	6.7	5.7	5.3	4.7	5.7	5.3	6.2
RADAR	79.3	41.3	7.0	7.7	7.0	6.3	5.7	5.0	4.7	6.0	5.7	6.1
JETTY (PPG-FL 106)	92.3	43.0	8.3	8.3	8.0	7.0	5.3	4.0	4.3	4.7	4.3	6.0
SEAMIST (PPG-FRT 101)	73.3	55.0	7.0	7.0	6.7	6.0	5.0	4.7	5.3	6.3	6.0	6.0
MINIMUS	73.3	49.0	6.7	7.0	6.0	6.7	6.0	5.0	5.0	6.0	5.0	5.9
PST-4BND	88.3	61.0	6.7	7.0	7.0	6.3	5.3	5.0	4.3	5.7	5.3	5.9
7C34	82.7	37.0	7.3	7.0	7.7	6.0	5.3	4.3	4.0	5.3	5.0	5.8
BEUDIN	88.7	37.3	7.0	7.3	8.0	7.3	5.0	3.3	4.0	5.3	4.7	5.8
PST-4RUE	86.3	38.3	7.0	7.0	8.0	6.7	5.3	4.0	4.3	5.0	5.0	5.8
RAD-FR33R	87.3	49.7	7.3	7.0	7.0	7.0	5.7	4.3	4.0	4.7	5.0	5.8
SEABREEZE GT	73.3	34.7	8.0	7.7	7.0	6.7	5.3	3.7	4.3	4.7	5.0	5.8
BAR FRT 5002	92.0	32.0	7.7	7.3	7.7	7.7	5.0	2.3	3.3	4.7	4.3	5.6
PST-4BEN	91.0	27.7	7.7	7.7	7.3	7.0	5.3	3.3	3.3	4.3	4.3	5.6
KENT	80.7	39.0	7.0	7.7	7.0	6.0	4.7	3.7	4.0	4.7	4.7	5.5
PST-4ED4	84.0	33.3	6.3	7.0	7.7	7.7	5.7	3.3	3.3	4.7	3.7	5.5
SWORD	67.3	28.3	7.0	6.3	6.7	6.7	5.3	5.0	3.3	4.3	4.7	5.5
PST-4DR4	90.3	27.0	7.0	7.0	7.0	7.3	5.7	3.7	3.3	4.3	3.7	5.4
GLADIATOR (TH456)	61.3	47.3	5.7	5.7	5.7	5.3	5.0	5.3	4.7	5.3	5.3	5.3
NAVIGATOR II	80.0	25.7	7.3	7.3	6.3	6.0	4.7	4.0	3.3	4.3	4.7	5.3
CASCADE	79.7	41.3	6.7	7.7	7.3	5.3	4.3	4.0	2.3	4.3	4.7	5.2
DLFPS-FRR/3068	63.0	28.0	6.7	6.0	6.0	7.0	5.3	4.7	3.3	3.7	4.0	5.2
MARVEL	82.0	19.7	7.0	7.7	7.3	6.0	5.0	3.0	3.3	3.7	4.0	5.2
CARDINAL II (PPG-FRR 111)	83.7	4.7	7.3	7.0	7.3	7.0	5.0	3.0	2.3	3.0	3.0	5.0
QUATRO	64.0	34.3	6.7	6.0	5.0	4.7	4.7	4.7	4.3	4.3	5.0	5.0
DLFPS-FRR/3069	58.3	12.0	6.7	6.3	6.0	5.0	4.3	3.3	3.0	3.7	3.7	4.7
MNHD-14	36.3	30.0	5.0	4.3	5.0	5.3	5.0	5.0	3.7	4.0	5.0	4.7
RAD-FR47	63.0	23.3	5.7	5.7	5.7	5.3	4.3	3.7	3.7	4.7	3.7	4.7
BEACON	53.7	20.0	6.3	5.0	5.7	5.0	4.7	4.0	2.7	4.3	4.0	4.6
BOREAL	61.0	22.0	5.3	6.3	6.0	5.0	4.0	3.3	3.0	4.0	4.7	4.6
RESOLUTE (7H7)	54.3	14.0	5.3	5.0	5.0	5.0	4.3	3.7	2.3	3.0	3.3	4.1
DLFPS-FL/3066	48.3	14.7	5.0	5.0	4.3	4.3	3.7	3.0	3.3	4.3	3.0	4.0
BAR 6FR 126	45.3	14.3	4.3	4.3	4.3	4.0	3.3	2.7	3.0	3.3	3.0	3.6
LSD VALUE	79.5	48.7	3.1	3.2	2.8	4.5	1.8	2.2	2.5	3.9	3.0	2.0
C.V. (%)	31.9	56.1	17.8	19.9	20.3	24.1	17.1	26.2	30.4	30.1	26.4	17.3

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

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

TABLE 10B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-FRC/3057	87.3	77.3	7.3	7.3	8.3	7.3	6.7	7.0	6.7	7.0	6.7	7.1
COMPASS II (PPG-FRC 113)	93.0	68.7	7.3	8.3	8.7	7.7	7.0	5.7	5.7	6.7	6.3	7.0
DLF-FRC 3338	86.0	53.7	7.7	7.7	8.3	7.3	6.3	5.3	6.7	6.7	6.0	6.9
RAD-FC44	88.7	54.3	7.0	7.7	8.0	7.0	6.3	5.7	6.0	6.3	5.7	6.6
CASTLE (RAD-FC32)	93.0	53.7	7.7	8.0	7.7	7.3	6.0	5.0	5.0	5.7	6.0	6.5
BAR VV-VP3-CT	91.3	58.3	7.0	8.0	8.0	6.3	6.0	5.0	4.7	6.3	6.0	6.4
DLFPS-FRC/3060	91.7	58.0	7.3	7.7	9.0	6.3	6.0	5.0	5.0	6.0	5.7	6.4
PPG-FRC 114	87.0	57.0	7.0	7.7	8.0	6.7	5.7	5.3	4.7	5.7	5.3	6.2
RADAR	79.3	41.3	7.0	7.7	7.0	6.3	5.7	5.0	4.7	6.0	5.7	6.1
CASCADE	79.7	41.3	6.7	7.7	7.3	5.3	4.3	4.0	2.3	4.3	4.7	5.2
BAR 6FR 126	45.3	14.3	4.3	4.3	4.3	4.0	3.3	2.7	3.0	3.3	3.0	3.6
LSD VALUE	35.1	49.0	1.8	2.2	2.0	2.9	1.6	1.9	2.2	2.6	3.1	1.8
C.V. (%)	19.4	41.0	13.1	15.0	14.1	20.4	15.6	20.1	24.4	21.3	24.4	15.1

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

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

TABLE 10C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLF-FRR 6162	91.0	58.0	7.3	7.7	8.7	7.7	6.3	5.0	5.7	6.3	6.0	6.7
C14-OS3	90.3	53.0	7.3	7.7	9.0	6.7	5.7	5.0	5.0	5.0	5.3	6.3
7C34	82.7	37.0	7.3	7.0	7.7	6.0	5.3	4.3	4.0	5.3	5.0	5.8
PST-4RUE	86.3	38.3	7.0	7.0	8.0	6.7	5.3	4.0	4.3	5.0	5.0	5.8
RAD-FR33R	87.3	49.7	7.3	7.0	7.0	7.0	5.7	4.3	4.0	4.7	5.0	5.8
PST-4BEN	91.0	27.7	7.7	7.7	7.3	7.0	5.3	3.3	3.3	4.3	4.3	5.6
KENT	80.7	39.0	7.0	7.7	7.0	6.0	4.7	3.7	4.0	4.7	4.7	5.5
PST-4ED4	84.0	33.3	6.3	7.0	7.7	7.7	5.7	3.3	3.3	4.7	3.7	5.5
PST-4DR4	90.3	27.0	7.0	7.0	7.0	7.3	5.7	3.7	3.3	4.3	3.7	5.4
NAVIGATOR II	80.0	25.7	7.3	7.3	6.3	6.0	4.7	4.0	3.3	4.3	4.7	5.3
DLFPS-FRR/3068	63.0	28.0	6.7	6.0	6.0	7.0	5.3	4.7	3.3	3.7	4.0	5.2
MARVEL	82.0	19.7	7.0	7.7	7.3	6.0	5.0	3.0	3.3	3.7	4.0	5.2
CARDINAL II (PPG-FRR 111)	83.7	4.7	7.3	7.0	7.3	7.0	5.0	3.0	2.3	3.0	3.0	5.0
DLFPS-FRR/3069	58.3	12.0	6.7	6.3	6.0	5.0	4.3	3.3	3.0	3.7	3.7	4.7
RAD-FR47	63.0	23.3	5.7	5.7	5.7	5.3	4.3	3.7	3.7	4.7	3.7	4.7
BOREAL	61.0	22.0	5.3	6.3	6.0	5.0	4.0	3.3	3.0	4.0	4.7	4.6
LSD VALUE	65.7	51.5	3.0	3.2	3.0	4.0	1.8	3.1	3.4	4.4	2.8	1.8
C.V. (%)	27.5	66.6	15.7	15.9	18.0	22.5	15.3	29.1	34.6	33.1	25.5	14.0

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 10D. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-FL/3060	88.3	55.3	7.7	7.3	8.0	7.0	6.0	4.7	5.0	6.0	5.7	6.4
JETTY (PPG-FL 106)	92.3	43.0	8.3	8.3	8.0	7.0	5.3	4.0	4.3	4.7	4.3	6.0
MINIMUS	73.3	49.0	6.7	7.0	6.0	6.7	6.0	5.0	5.0	6.0	5.0	5.9
PST-4BND	88.3	61.0	6.7	7.0	7.0	6.3	5.3	5.0	4.3	5.7	5.3	5.9
BEUDIN	88.7	37.3	7.0	7.3	8.0	7.3	5.0	3.3	4.0	5.3	4.7	5.8
SWORD	67.3	28.3	7.0	6.3	6.7	6.7	5.3	5.0	3.3	4.3	4.7	5.5
GLADIATOR (TH456)	61.3	47.3	5.7	5.7	5.7	5.3	5.0	5.3	4.7	5.3	5.3	5.3
QUATRO	64.0	34.3	6.7	6.0	5.0	4.7	4.7	4.7	4.3	4.3	5.0	5.0
MNHD-14	36.3	30.0	5.0	4.3	5.0	5.3	5.0	5.0	3.7	4.0	5.0	4.7
BEACON	53.7	20.0	6.3	5.0	5.7	5.0	4.7	4.0	2.7	4.3	4.0	4.6
RESOLUTE (7H7)	54.3	14.0	5.3	5.0	5.0	5.0	4.3	3.7	2.3	3.0	3.3	4.1
DLFPS-FL/3066	48.3	14.7	5.0	5.0	4.3	4.3	3.7	3.0	3.3	4.3	3.0	4.0
LSD VALUE	61.5	44.1	3.3	3.5	3.6	4.6	3.0	3.4	2.9	3.7	3.1	2.7
C.V. (%)	38.0	54.5	21.9	25.0	26.3	29.9	22.3	29.3	31.2	30.0	26.7	21.4

TABLE 10E. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
SEAMIST (PPG-FRT 101)	73.3	55.0	7.0	7.0	6.7	6.0	5.0	4.7	5.3	6.3	6.0	6.0
SEABREEZE GT	73.3	34.7	8.0	7.7	7.0	6.7	5.3	3.7	4.3	4.7	5.0	5.8
BAR FRT 5002	92.0	32.0	7.7	7.3	7.7	7.7	5.0	2.3	3.3	4.7	4.3	5.6
LSD VALUE	87.6	49.2	3.5	4.2	4.6	2.8	1.2	1.2	2.3	2.3	2.0	1.6
C.V. (%)	47.4	52.2	20.0	24.9	27.9	17.7	10.3	14.8	23.1	18.6	17.3	12.0

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

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

TABLE 11A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SUMMER	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MINIMUS	7.0	6.0	6.7	6.7	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.0	6.0	6.3	6.3
SWORD	6.3	6.7	6.3	6.3	6.0	5.7	6.0	6.3	6.7	6.7	6.0	6.3	6.0	6.0	6.2
DLF-FRR 6162	6.7	6.7	6.3	6.3	6.3	5.3	5.7	6.3	6.7	6.3	6.0	5.7	6.3	6.0	6.1
GLADIATOR (TH456)	6.7	6.7	6.0	5.7	5.7	5.0	5.0	6.0	6.7	6.7	6.0	6.3	6.0	6.0	5.9
JETTY (PPG-FL 106)	6.7	6.7	6.0	5.7	5.3	5.3	5.7	6.0	6.7	6.7	6.3	5.3	6.0	6.0	5.9
PST-4BND	6.7	6.7	6.0	5.7	5.0	4.7	5.3	6.3	6.7	6.7	6.7	5.7	6.0	5.7	5.9
MNHD-14	6.7	6.7	5.7	5.7	5.0	5.0	5.7	6.0	6.7	6.3	6.3	6.0	5.3	5.7	5.8
BEACON	6.3	6.0	5.7	5.7	5.7	5.0	5.0	5.7	6.0	6.0	5.3	5.7	5.7	5.7	5.6
RESOLUTE (7H7)	6.0	5.7	5.7	5.7	5.3	5.0	5.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.6
7C34	6.3	5.3	5.3	5.3	5.0	4.7	5.0	6.0	6.0	5.3	6.0	6.0	5.7	5.3	5.5
CARDINAL II (PPG-FRR 111)	5.7	5.7	5.7	5.3	5.0	4.7	5.7	5.7	6.0	5.7	5.7	6.0	5.7	5.3	5.5
CASCADE	6.7	6.0	5.3	5.3	5.0	4.3	5.3	5.7	6.3	5.7	6.0	5.0	6.0	5.7	5.5
DLFPS-FL/3060	6.3	5.7	5.7	5.3	5.0	5.0	5.3	6.0	6.0	5.7	6.0	5.3	5.3	5.3	5.5
DLFPS-FL/3066	6.0	6.3	5.3	5.3	5.0	5.0	5.3	6.0	6.0	6.0	5.3	5.7	5.3	5.3	5.5
PST-4RUE	5.3	6.0	5.7	5.3	5.3	4.7	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.5
C14-OS3	5.3	5.7	5.3	5.0	4.7	4.0	5.0	5.7	6.0	5.7	6.0	6.0	5.3	5.7	5.4
DLF-FRC 3338	6.3	5.7	5.7	5.7	5.0	4.7	5.0	5.3	5.7	6.0	5.3	5.7	5.3	5.3	5.4
MARVEL	6.3	5.3	5.0	5.0	4.7	4.3	5.3	6.0	6.3	6.3	5.7	6.0	5.3	5.3	5.4
PST-4DR4	5.7	5.3	5.7	5.7	4.7	4.3	4.7	5.7	6.0	6.0	6.0	5.0	6.0	5.7	5.4
RADAR	6.0	6.3	5.3	5.3	5.0	4.7	4.7	5.7	5.7	5.7	5.7	5.7	5.0	5.3	5.3
SEAMIST (PPG-FRT 101)	6.3	5.7	5.0	5.0	4.7	4.3	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.3
COMPASS II (PPG-FRC 113)	5.3	5.7	5.3	5.3	5.0	4.3	4.7	5.3	5.3	5.0	6.0	5.0	5.3	5.3	5.2
PST-4BEN	5.3	6.0	5.0	5.0	4.7	4.7	4.7	5.0	5.7	5.7	5.7	5.7	5.3	5.3	5.2
PST-4ED4	5.7	6.0	5.0	5.0	4.7	4.7	4.7	5.3	5.7	5.3	5.7	5.3	5.7	5.7	5.2
DLFPS-FRC/3057	5.7	6.0	5.0	5.0	4.7	4.0	4.3	5.0	5.7	5.7	5.3	5.7	5.3	5.3	5.1
DLFPS-FRR/3069	6.3	5.7	5.0	5.0	4.7	4.3	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.3	5.1
PPG-FRC 114	5.3	5.7	4.7	4.7	4.7	4.0	4.0	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.1
SEABREEZE GT	6.3	5.3	4.7	4.7	4.3	4.0	4.7	5.7	6.0	5.3	6.0	5.3	5.3	5.3	5.1
RAD-FR33R	5.7	5.3	4.3	4.0	4.3	4.0	5.0	5.3	6.0	5.7	5.3	5.7	5.3	5.0	5.0
RAD-FR47	6.3	6.0	4.3	4.7	4.3	3.7	4.3	5.3	6.0	5.7	5.7	5.3	5.3	5.0	5.0
DLFPS-FRC/3060	6.3	5.3	4.0	4.3	4.0	4.3	4.3	5.0	5.7	5.3	5.3	5.7	5.0	5.0	4.9
KENT	6.0	5.0	4.3	4.3	4.0	4.0	4.3	5.0	5.3	5.7	5.3	5.0	5.7	5.3	4.9
QUATRO	6.0	5.7	4.0	4.0	4.3	4.0	5.0	5.7	6.0	6.0	5.3	5.7	4.7	4.7	4.9
BAR VV-VP3-CT	6.7	5.0	3.3	3.7	4.0	3.7	4.7	5.0	6.0	6.0	5.0	5.7	5.3	4.7	4.8
DLFPS-FRR/3068	6.3	5.3	3.3	3.7	4.0	3.7	4.7	5.3	6.0	6.0	5.7	5.3	5.0	4.7	4.8
NAVIGATOR II	6.0	5.3	4.7	4.7	3.7	3.3	3.7	4.7	5.7	6.3	5.7	5.0	5.3	5.0	4.8
RAD-FC44	6.0	5.7	4.0	4.0	3.7	3.7	4.3	4.7	5.7	5.7	5.7	5.3	5.3	5.3	4.8
BEUDIN	7.0	5.3	3.0	3.7	3.7	3.7	4.0	5.0	6.0	5.7	6.0	5.0	6.0	5.0	4.7
BOREAL	6.3	5.7	2.7	3.7	4.0	4.3	5.0	5.3	5.7	5.7	5.3	5.0	5.3	4.3	4.7
BAR 6FR 126	6.0	5.3	3.0	3.3	3.3	3.7	4.7	4.7	5.7	5.7	5.7	5.3	5.3	5.0	4.6
BAR FRT 5002	7.0	5.0	2.0	3.0	3.3	3.3	4.7	5.0	6.0	5.7	5.7	5.7	5.3	5.0	4.6
CASTLE (RAD-FC32)	6.3	5.0	3.3	3.7	4.0	4.0	4.3	4.7	5.3	5.7	5.3	5.0	5.0	5.3	4.6
LSD VALUE	1.6	1.7	1.5	1.6	1.4	1.3	1.3	1.1	1.9	1.7	1.6	1.1	2.0	1.3	0.8
C.V. (%)	10.6	11.9	18.3	17.7	15.6	15.4	12.9	10.4	10.0	10.1	9.5	8.6	10.9	10.2	8.5

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 AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SUMMER	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CASCADE	6.7	6.0	5.3	5.3	5.0	4.3	5.3	5.7	6.3	5.7	6.0	5.0	6.0	5.7	5.5
DLF-FRC 3338	6.3	5.7	5.7	5.7	5.0	4.7	5.0	5.3	5.7	6.0	5.3	5.7	5.3	5.3	5.4
RADAR	6.0	6.3	5.3	5.3	5.0	4.7	4.7	5.7	5.7	5.7	5.7	5.7	5.0	5.3	5.3
COMPASS II (PPG-FRC 113)	5.3	5.7	5.3	5.3	5.0	4.3	4.7	5.3	5.3	5.0	6.0	5.0	5.3	5.3	5.2
DLFPS-FRC/3057	5.7	6.0	5.0	5.0	4.7	4.0	4.3	5.0	5.7	5.7	5.3	5.7	5.3	5.3	5.1
PPG-FRC 114	5.3	5.7	4.7	4.7	4.7	4.0	4.0	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.1
DLFPS-FRC/3060	6.3	5.3	4.0	4.3	4.0	4.3	4.3	5.0	5.7	5.3	5.3	5.7	5.0	5.0	4.9
BAR VV-VP3-CT	6.7	5.0	3.3	3.7	4.0	3.7	4.7	5.0	6.0	6.0	5.0	5.7	5.3	4.7	4.8
RAD-FC44	6.0	5.7	4.0	4.0	3.7	3.7	4.3	4.7	5.7	5.7	5.7	5.3	5.3	5.3	4.8
BAR 6FR 126	6.0	5.3	3.0	3.3	3.3	3.7	4.7	4.7	5.7	5.7	5.7	5.3	5.3	5.0	4.6
CASTLE (RAD-FC32)	6.3	5.0	3.3	3.7	4.0	4.0	4.3	4.7	5.3	5.7	5.3	5.0	5.0	5.3	4.6
LSD VALUE	1.4	1.5	1.8	1.6	1.4	1.5	1.5	1.2	1.6	1.5	1.6	1.1	1.9	1.7	1.2
C.V. (%)	9.9	11.1	20.9	18.2	15.3	14.4	13.0	10.0	9.9	9.8	10.5	8.4	12.1	11.5	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 11C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SUMMER	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-FRR 6162	6.7	6.7	6.3	6.3	6.3	5.3	5.7	6.3	6.7	6.3	6.0	5.7	6.3	6.0	6.1
7C34	6.3	5.3	5.3	5.3	5.0	4.7	5.0	6.0	6.0	5.3	6.0	6.0	5.7	5.3	5.5
CARDINAL II (PPG-FRR 111)	5.7	5.7	5.7	5.3	5.0	4.7	5.7	5.7	6.0	5.7	5.7	6.0	5.7	5.3	5.5
PST-4RUE	5.3	6.0	5.7	5.3	5.3	4.7	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.5
C14-OS3	5.3	5.7	5.3	5.0	4.7	4.0	5.0	5.7	6.0	5.7	6.0	6.0	5.3	5.7	5.4
MARVEL	6.3	5.3	5.0	5.0	4.7	4.3	5.3	6.0	6.3	6.3	5.7	6.0	5.3	5.3	5.4
PST-4DR4	5.7	5.3	5.7	5.7	4.7	4.3	4.7	5.7	6.0	6.0	6.0	5.0	6.0	5.7	5.4
PST-4BEN	5.3	6.0	5.0	5.0	4.7	4.7	4.7	5.0	5.7	5.7	5.7	5.7	5.3	5.3	5.2
PST-4ED4	5.7	6.0	5.0	5.0	4.7	4.7	4.7	5.3	5.7	5.3	5.7	5.3	5.7	5.7	5.2
DLFPS-FRR/3069	6.3	5.7	5.0	5.0	4.7	4.3	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.3	5.1
RAD-FR33R	5.7	5.3	4.3	4.0	4.3	4.0	5.0	5.3	6.0	5.7	5.3	5.7	5.3	5.0	5.0
RAD-FR47	6.3	6.0	4.3	4.7	4.3	3.7	4.3	5.3	6.0	5.7	5.7	5.3	5.3	5.0	5.0
KENT	6.0	5.0	4.3	4.3	4.0	4.0	4.3	5.0	5.3	5.7	5.3	5.0	5.7	5.3	4.9
DLFPS-FRR/3068	6.3	5.3	3.3	3.7	4.0	3.7	4.7	5.3	6.0	6.0	5.7	5.3	5.0	4.7	4.8
NAVIGATOR II	6.0	5.3	4.7	4.7	3.7	3.3	3.7	4.7	5.7	6.3	5.7	5.0	5.3	5.0	4.8
BOREAL	6.3	5.7	2.7	3.7	4.0	4.3	5.0	5.3	5.7	5.7	5.3	5.0	5.3	4.3	4.7
LSD VALUE	2.2	1.7	1.6	1.8	1.6	1.6	1.2	1.3	1.9	1.8	1.2	0.8	1.9	1.4	0.7
C.V. (%)	12.9	11.2	18.2	17.1	16.3	16.0	11.9	10.2	10.4	10.5	7.4	7.4	11.8	10.9	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 11D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SUMMER	QUALITY RATINGS												MEAN	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
MINIMUS	7.0	6.0	6.7	6.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.0	6.0	6.3	6.3
SWORD	6.3	6.7	6.3	6.3	6.0	5.7	6.0	6.0	6.3	6.7	6.7	6.0	6.3	6.0	6.0	6.2
GLADIATOR (TH456)	6.7	6.7	6.0	5.7	5.7	5.0	5.0	5.0	6.0	6.7	6.7	6.0	6.3	6.0	6.0	5.9
JETTY (PPG-FL 106)	6.7	6.7	6.0	5.7	5.3	5.3	5.7	5.7	6.0	6.7	6.7	6.3	5.3	6.0	6.0	5.9
PST-4BND	6.7	6.7	6.0	5.7	5.0	4.7	5.3	5.3	6.3	6.7	6.7	6.7	5.7	6.0	5.7	5.9
MNHD-14	6.7	6.7	5.7	5.7	5.0	5.0	5.7	6.0	6.7	6.3	6.3	6.0	5.3	5.7	5.8	
BEACON	6.3	6.0	5.7	5.7	5.7	5.0	5.0	5.7	6.0	6.0	5.3	5.7	5.7	5.7	5.6	
RESOLUTE (7H7)	6.0	5.7	5.7	5.7	5.3	5.0	5.0	5.0	6.0	6.0	5.7	5.7	5.7	5.7	5.6	
DLFPS-FL/3060	6.3	5.7	5.7	5.3	5.0	5.0	5.3	6.0	6.0	5.7	6.0	5.3	5.3	5.3	5.5	
DLFPS-FL/3066	6.0	6.3	5.3	5.3	5.0	5.0	5.3	6.0	6.0	6.0	5.3	5.7	5.3	5.3	5.5	
QUATRO	6.0	5.7	4.0	4.0	4.3	4.0	5.0	5.7	6.0	6.0	5.3	5.7	4.7	4.7	4.9	
BEUDIN	7.0	5.3	3.0	3.7	3.7	3.7	4.0	5.0	6.0	5.7	6.0	5.0	6.0	5.0	4.7	
LSD VALUE	1.3	1.7	1.4	1.7	1.2	1.5	1.2	1.4	1.6	1.4	1.6	1.1	0.7	0.9	0.9	
C.V. (%)	8.0	11.7	14.5	15.9	12.6	14.8	11.1	9.5	9.3	9.1	10.9	8.6	7.0	8.6	8.0	

TABLE 11E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER NO MOWING AT RIVERSIDE, CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SUMMER	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEAMIST (PPG-FRT 101)	6.3	5.7	5.0	5.0	4.7	4.3	4.7	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.3
SEABREEZE GT	6.3	5.3	4.7	4.7	4.3	4.0	4.7	5.7	6.0	5.3	6.0	5.3	5.3	5.3	5.1
BAR FRT 5002	7.0	5.0	2.0	3.0	3.3	3.3	4.7	5.0	6.0	5.7	5.7	5.7	5.3	5.0	4.6
LSD VALUE	0.8	2.1	3.1	3.1	2.3	1.5	2.1	1.2	1.3	1.9	1.2	0.8	2.3	0.8	1.5
C.V. (%)	5.1	17.1	34.3	31.6	23.6	17.1	19.6	9.7	9.6	14.4	9.1	6.0	17.8	6.4	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 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
 GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
 2016 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	RED THREAD	FALL	QUALITY RATINGS												MEAN
						COLOR OCTOBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEAMIST (PPG-FRT 101)	6.7	7.0	7.0	6.3	6.7	6.3	7.3	6.7	6.7	6.7	7.7	7.0	6.3	6.7	7.0	6.3	6.0	6.0	6.7
NAVIGATOR II	7.3	6.7	7.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	7.0	7.0	6.3	6.7	6.3	6.7	6.3	6.0	6.5
PST-4BEN	7.0	6.3	6.0	6.7	6.3	6.3	6.7	6.7	6.3	6.0	7.0	6.7	6.7	6.0	6.3	6.7	6.7	6.3	6.5
7C34	6.7	6.0	6.3	6.3	5.7	6.7	7.0	7.0	6.0	6.3	6.7	6.7	5.7	6.7	6.7	6.3	6.0	6.0	6.4
BAR FRT 5002	6.3	7.0	6.0	6.0	7.0	6.3	6.0	6.7	7.0	6.3	7.0	6.3	5.7	5.7	6.3	6.3	6.7	6.3	6.4
CARDINAL II (PPG-FRR 111)	6.7	6.0	6.3	6.3	6.3	6.7	6.7	6.7	6.0	6.0	6.7	6.3	6.0	6.3	6.3	6.7	6.3	6.3	6.4
BEUDIN	7.0	6.7	6.7	6.0	6.0	6.3	7.0	7.0	6.7	7.0	6.7	6.7	5.7	5.3	6.3	6.0	6.0	5.7	6.3
DLF-FRC 3338	6.7	6.0	5.7	6.3	6.0	6.3	6.7	6.7	6.0	6.3	7.3	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.3
PPG-FRC 114	7.7	6.0	6.3	6.0	6.3	6.3	6.7	6.7	6.3	6.3	7.0	6.7	6.0	6.3	6.3	6.0	5.7	6.0	6.3
PST-4RUE	7.3	6.0	6.3	6.7	6.0	6.7	6.0	6.0	6.0	5.7	7.0	6.7	6.0	6.0	7.0	6.7	6.3	6.0	6.3
RAD-FR47	7.3	6.7	7.0	6.0	6.7	6.7	6.3	6.7	6.7	6.0	6.7	7.0	6.0	6.0	6.3	6.0	6.3	6.0	6.3
DLF-FRR 6162	6.3	6.7	5.7	6.3	6.3	6.7	6.7	6.7	6.3	6.0	6.3	6.0	5.3	5.7	6.3	6.3	6.3	6.0	6.2
COMPASS II (PPG-FRC 113)	7.0	6.3	6.0	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.7	5.7	5.3	5.7	6.0	6.3	5.7	6.7	6.1
MARVEL	7.0	6.0	6.3	6.3	5.7	6.7	6.0	6.0	6.0	5.7	6.3	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.1
PST-4DR4	6.3	5.7	5.7	6.3	5.7	6.3	6.0	6.0	6.0	5.7	6.7	6.0	6.3	6.0	5.7	6.7	6.3	6.3	6.1
DLFPS-FRC/3057	7.0	5.7	5.7	6.0	6.0	6.3	6.7	6.3	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.3	6.0
DLFPS-FRC/3060	6.3	6.0	6.0	5.7	6.0	6.3	6.3	6.3	6.0	6.0	6.7	5.7	6.0	6.0	6.0	5.3	5.3	6.0	6.0
PST-4ED4	7.0	5.7	6.3	5.3	5.7	6.3	6.0	6.3	5.7	5.0	6.0	6.3	6.3	6.3	6.0	5.7	5.7	5.7	6.0
RADAR	6.7	6.3	6.0	6.0	6.3	6.7	6.3	6.7	6.3	6.7	6.3	6.0	5.7	5.3	5.7	5.7	5.7	5.7	6.0
C14-OS3	6.3	6.3	6.0	5.7	7.0	6.3	6.0	6.0	6.0	6.3	6.0	5.7	5.3	5.3	5.7	6.0	6.0	6.0	5.9
DLFPS-FRR/3068	6.3	5.7	5.7	5.7	5.0	6.7	6.0	5.7	5.7	6.7	6.0	5.7	5.7	5.0	6.0	5.7	6.0	6.3	5.9
KENT	7.0	6.0	5.7	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.3	6.3	5.3	5.7	6.3	6.0	5.7	6.0	5.9
RAD-FC44	7.0	6.0	6.3	5.7	6.7	6.3	6.3	6.3	6.7	6.3	6.7	6.3	5.0	5.3	5.7	5.3	5.3	6.0	5.9
RAD-FR33R	7.3	5.7	6.7	6.0	5.0	6.3	6.0	6.0	5.7	6.0	7.0	6.3	6.0	5.7	5.3	5.7	5.7	6.0	5.9
CASTLE (RAD-FC32)	7.0	5.7	5.3	5.3	7.0	6.3	6.7	6.3	6.0	4.7	6.0	5.3	4.7	5.3	5.7	5.7	5.7	5.7	5.6
DLFPS-FRR/3069	6.7	5.7	5.3	5.3	5.7	6.7	5.7	6.0	5.3	5.0	6.3	5.7	5.7	5.3	5.7	6.0	5.7	5.3	5.6
MNHD-14	5.3	6.0	5.3	5.0	7.0	6.0	6.3	6.3	6.3	5.7	6.0	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.6
SEABREEZE GT	6.7	6.0	5.3	5.7	5.3	6.0	5.3	5.7	5.3	5.3	6.0	5.3	6.0	5.7	5.7	5.7	5.3	6.0	5.6
RESOLUTE (7H7)	6.7	5.0	5.3	5.0	6.3	6.7	6.3	6.0	5.0	5.0	6.0	5.3	5.7	5.3	5.7	5.3	5.0	5.3	5.5
BAR 6FR 126	6.0	6.3	5.7	4.3	6.7	6.0	6.0	6.0	6.3	6.3	6.3	5.3	4.7	5.0	4.7	4.3	4.3	5.0	5.4
CASCADE	6.0	5.7	5.0	4.7	5.7	6.0	6.3	6.3	5.3	4.7	5.3	5.0	4.7	5.0	5.3	5.0	5.7	6.0	5.4
DLFPS-FL/3060	7.0	5.3	5.3	5.0	6.3	6.3	5.7	5.7	5.3	5.0	6.0	5.3	6.0	5.3	5.0	5.0	5.0	5.3	5.4
JETTY (PPG-FL 106)	6.0	4.7	5.3	5.3	4.7	6.0	5.7	5.7	4.7	4.7	6.0	5.3	5.7	5.7	5.3	5.7	5.3	5.3	5.4
SWORD	6.0	4.7	4.7	5.3	6.0	6.7	6.0	5.7	5.3	4.7	5.0	4.7	5.3	5.0	5.7	5.7	5.7	5.7	5.4
BAR VV-VP3-CT	6.7	6.3	5.3	5.0	7.0	6.7	6.0	6.0	6.3	5.0	6.3	4.7	4.0	5.0	5.3	4.7	5.0	5.0	5.3
BOREAL	6.3	5.3	4.7	4.7	4.3	6.3	5.7	6.0	5.0	5.0	5.7	5.0	4.7	5.0	5.0	5.0	5.3	6.0	5.3
DLFPS-FL/3066	5.3	5.7	4.0	5.0	6.3	6.7	6.0	6.0	5.7	4.0	5.3	4.0	5.0	5.3	5.0	5.0	5.3	5.3	5.2
GLADIATOR (TH456)	6.3	5.3	5.0	5.0	6.3	6.0	6.0	6.0	5.3	4.3	5.3	5.0	5.0	5.0	5.3	5.0	5.0	5.3	5.2
BEACON	5.7	4.7	4.3	5.0	5.3	5.7	6.3	5.7	4.7	3.7	4.3	4.3	5.3	5.3	5.3	5.3	5.3	5.3	5.1
MINIMUS	6.0	5.3	4.3	5.3	6.3	6.3	5.7	6.0	5.0	4.0	4.7	4.3	4.3	5.0	5.3	5.3	5.3	5.0	5.0
QUATRO	6.0	6.0	4.3	5.0	6.3	6.0	5.7	5.7	6.0	5.0	5.3	4.0	4.3	4.3	4.7	4.7	4.7	5.0	4.9
PST-4BND	5.3	4.3	4.3	4.7	4.7	6.0	5.7	5.7	4.3	3.3	4.3	4.0	5.0	5.0	5.3	4.7	5.0	5.0	4.8
LSD VALUE	1.5	1.3	1.7	1.2	1.4	2.2	1.0	1.2	1.0	2.1	1.5	1.4	1.9	1.5	1.3	1.2	1.1	1.7	0.7
C.V. (%)	10.7	11.7	15.5	11.4	12.3	8.4	8.3	8.2	9.8	18.8	12.9	14.4	15.0	12.3	11.1	11.5	10.1	11.0	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 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	RED THREAD	FALL	QUALITY RATINGS												MEAN	
						COLOR	OCTOBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
DLF-FRC 3338	6.7	6.0	5.7	6.3	6.0	6.3	6.7	6.7	6.0	6.3	7.3	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.3
PPG-FRC 114	7.7	6.0	6.3	6.0	6.3	6.3	6.7	6.7	6.3	6.3	7.0	6.7	6.0	6.3	6.3	6.0	5.7	6.0	6.3	6.3
COMPASS II (PPG-FRC 113)	7.0	6.3	6.0	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.7	5.7	5.3	5.7	6.0	6.3	5.7	6.7	6.1	
DLFPS-FRC/3057	7.0	5.7	5.7	6.0	6.0	6.3	6.7	6.3	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.3	6.0	
DLFPS-FRC/3060	6.3	6.0	6.0	5.7	6.0	6.3	6.3	6.3	6.0	6.0	6.7	5.7	6.0	6.0	6.0	5.3	5.3	6.0	6.0	
RADAR	6.7	6.3	6.0	6.0	6.3	6.7	6.3	6.7	6.3	6.7	6.3	6.0	5.7	5.3	5.7	5.7	5.7	5.7	6.0	
RAD-FC44	7.0	6.0	6.3	5.7	6.7	6.3	6.3	6.3	6.7	6.3	6.7	6.3	5.0	5.3	5.7	5.3	5.3	6.0	5.9	
CASTLE (RAD-FC32)	7.0	5.7	5.3	5.3	7.0	6.3	6.7	6.3	6.0	4.7	6.0	5.3	4.7	5.3	5.7	5.7	5.7	5.7	5.6	
BAR 6FR 126	6.0	6.3	5.7	4.3	6.7	6.0	6.0	6.0	6.3	6.3	6.3	5.3	4.7	5.0	4.7	4.3	4.3	5.0	5.4	
CASCADE	6.0	5.7	5.0	4.7	5.7	6.0	6.3	6.3	5.3	4.7	5.3	5.0	4.7	5.0	5.3	5.0	5.7	6.0	5.4	
BAR VV-VP3-CT	6.7	6.3	5.3	5.0	7.0	6.7	6.0	6.0	6.3	5.0	6.3	4.7	4.0	5.0	5.3	4.7	5.0	5.0	5.3	
LSD VALUE	2.1	1.6	2.6	1.5	1.4	1.2	1.7	2.2	1.1	1.9	0.8	1.7	1.5	1.7	1.5	1.7	1.7	1.3	1.0	
C.V. (%)	12.3	9.7	15.8	13.4	9.5	6.9	9.3	11.0	7.8	15.1	7.1	13.2	14.3	12.5	11.1	13.8	12.6	10.5	7.7	

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

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

TABLE 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	RED THREAD	FALL COLOR OCTOBER	QUALITY RATINGS												MEAN	
							JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
NAVIGATOR II	7.3	6.7	7.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	7.0	7.0	6.3	6.7	6.3	6.7	6.3	6.0	6.5
PST-4BEN	7.0	6.3	6.0	6.7	6.3	6.3	6.7	6.7	6.3	6.0	7.0	6.7	6.7	6.0	6.3	6.7	6.7	6.3	6.3	6.5
7C34	6.7	6.0	6.3	6.3	5.7	6.7	7.0	7.0	6.0	6.3	6.7	6.7	5.7	6.7	6.7	6.3	6.0	6.0	6.0	6.4
CARDINAL II (PPG-FRR 111)	6.7	6.0	6.3	6.3	6.3	6.7	6.7	6.7	6.0	6.0	6.7	6.3	6.0	6.3	6.3	6.7	6.3	6.3	6.3	6.4
PST-4RUE	7.3	6.0	6.3	6.7	6.0	6.7	6.0	6.0	6.0	5.7	7.0	6.7	6.0	6.0	7.0	6.7	6.3	6.0	6.3	
RAD-FR47	7.3	6.7	7.0	6.0	6.7	6.7	6.3	6.7	6.7	6.0	6.7	7.0	6.0	6.0	6.3	6.0	6.3	6.0	6.3	
DLF-FRR 6162	6.3	6.7	5.7	6.3	6.3	6.7	6.7	6.7	6.3	6.0	6.3	6.0	5.3	5.7	6.3	6.3	6.3	6.0	6.2	
MARVEL	7.0	6.0	6.3	6.3	5.7	6.7	6.0	6.0	6.0	5.7	6.3	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.1	
PST-4DR4	6.3	5.7	5.7	6.3	5.7	6.3	6.0	6.0	6.0	5.7	6.7	6.0	6.3	6.0	5.7	6.7	6.3	6.3	6.1	
PST-4ED4	7.0	5.7	6.3	5.3	5.7	6.3	6.0	6.3	5.7	5.0	6.0	6.3	6.3	6.3	6.3	6.0	5.7	5.7	6.0	
C14-OS3	6.3	6.3	6.0	5.7	7.0	6.3	6.0	6.0	6.0	6.3	6.0	5.7	5.3	5.3	5.7	6.0	6.0	6.0	5.9	
DLFPS-FRR/3068	6.3	5.7	5.7	5.7	5.0	6.7	6.0	5.7	5.7	6.7	6.0	5.7	5.7	5.0	6.0	5.7	6.0	6.3	5.9	
KENT	7.0	6.0	5.7	5.7	5.7	6.3	6.0	6.0	5.7	6.0	6.3	6.3	5.3	5.7	6.3	6.0	5.7	6.0	5.9	
RAD-FR33R	7.3	5.7	6.7	6.0	5.0	6.3	6.0	6.0	5.7	6.0	7.0	6.3	6.0	5.7	5.3	5.7	5.7	6.0	5.9	
DLFPS-FRR/3069	6.7	5.7	5.3	5.3	5.7	6.7	5.7	6.0	5.3	5.0	6.3	5.7	5.7	5.3	5.7	6.0	5.7	5.3	5.6	
BOREAL	6.3	5.3	4.7	4.7	4.3	6.3	5.7	6.0	5.0	5.0	5.7	5.0	4.7	5.0	5.0	5.0	5.3	6.0	5.3	
LSD VALUE	1.6	1.8	2.5	1.1	1.5	1.8	1.4	0.9	1.2	2.1	2.2	2.7	2.5	1.7	1.3	1.0	1.0	2.0	0.8	
C.V. (%)	9.1	11.0	15.7	9.6	12.9	8.0	8.9	7.0	9.1	13.4	11.7	15.1	15.1	12.1	9.8	8.3	7.7	10.0	6.3	

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 12D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD AND SHEEP FESCUE CULTIVARS
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	RED THREAD	FALL COLOR OCTOBER	QUALITY RATINGS												MEAN	
							JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
BEUDIN	7.0	6.7	6.7	6.0	6.0	6.3	7.0	7.0	6.7	7.0	6.7	6.7	5.7	5.3	6.3	6.0	6.0	6.0	5.7	6.3
MNHD-14	5.3	6.0	5.3	5.0	7.0	6.0	6.3	6.3	6.3	5.7	6.0	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.6
RESOLUTE (7H7)	6.7	5.0	5.3	5.0	6.3	6.7	6.3	6.0	5.0	5.0	6.0	5.3	5.7	5.3	5.7	5.3	5.0	5.3	5.5	
DLFPS-FL/3060	7.0	5.3	5.3	5.0	6.3	6.3	5.7	5.7	5.3	5.0	6.0	5.3	6.0	5.3	5.0	5.0	5.0	5.3	5.4	
JETTY (PPG-FL 106)	6.0	4.7	5.3	5.3	4.7	6.0	5.7	5.7	4.7	4.7	6.0	5.3	5.7	5.7	5.3	5.7	5.3	5.3	5.4	
SWORD	6.0	4.7	4.7	5.3	6.0	6.7	6.0	5.7	5.3	4.7	5.0	4.7	5.3	5.0	5.7	5.7	5.7	5.7	5.4	
DLFPS-FL/3066	5.3	5.7	4.0	5.0	6.3	6.7	6.0	6.0	5.7	4.0	5.3	4.0	5.0	5.3	5.0	5.0	5.3	5.3	5.2	
GLADIATOR (TH456)	6.3	5.3	5.0	5.0	6.3	6.0	6.0	6.0	5.3	4.3	5.3	5.0	5.0	5.0	5.3	5.0	5.0	5.3	5.2	
BEACON	5.7	4.7	4.3	5.0	5.3	5.7	6.3	5.7	4.7	3.7	4.3	4.3	5.3	5.3	5.3	5.3	5.3	5.3	5.1	
MINIMUS	6.0	5.3	4.3	5.3	6.3	6.3	5.7	6.0	5.0	4.0	4.7	4.3	4.3	5.0	5.3	5.3	5.3	5.0	5.0	
QUATRO	6.0	6.0	4.3	5.0	6.3	6.0	5.7	5.7	6.0	5.0	5.3	4.0	4.3	4.3	4.7	4.7	4.7	5.0	4.9	
PST-4BND	5.3	4.3	4.3	4.7	4.7	6.0	5.7	5.7	4.3	3.3	4.3	4.0	5.0	5.0	5.3	4.7	5.0	5.0	4.8	
LSD VALUE	1.3	1.8	1.2	1.5	1.6	1.7	0.9	0.8	1.4	2.9	2.2	1.2	2.1	1.8	2.1	1.9	1.5	2.3	1.1	
C.V. (%)	10.7	15.9	13.1	10.9	13.3	10.0	7.5	6.8	13.6	27.2	18.1	13.6	15.8	12.5	14.0	13.6	11.1	13.7	9.2	

TABLE 12E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN AT SAN FRANCISCO (CALIFORNIA GOLF CLUB OF SAN FRANCISCO), CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	RED THREAD	FALL COLOR OCTOBER	QUALITY RATINGS												MEAN
							JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEAMIST (PPG-FRT 101)	6.7	7.0	7.0	6.3	6.7	6.3	7.3	6.7	6.7	6.7	7.7	7.0	6.3	6.7	7.0	6.3	6.0	6.0	6.7
BAR FRT 5002	6.3	7.0	6.0	6.0	7.0	6.3	6.0	6.7	7.0	6.3	7.0	6.3	5.7	5.7	6.3	6.3	6.7	6.3	6.4
SEABREEZE GT	6.7	6.0	5.3	5.7	5.3	6.0	5.3	5.7	5.3	5.3	6.0	5.3	6.0	5.7	5.7	5.7	5.3	6.0	5.6
LSD VALUE	1.2	1.3	1.5	1.9	2.1	0.8	0.8	1.3	0.9	2.0	1.5	0.8	0.9	0.0	0.9	1.2	0.9	0.8	0.6
C.V. (%)	8.0	8.7	10.9	13.6	14.4	5.4	5.4	9.1	6.4	14.4	9.7	5.4	6.8	0.0	6.4	8.6	6.8	5.5	4.4

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 13A. GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	MI1	MI2	MN1	MN2	MO1	NC1	NJ2	WA1	MEAN
PPG-FRC 114	6.7	6.3	8.0	5.3	7.7	8.0	7.0	7.0	7.0
RESOLUTE (7H7)	7.0	6.3	7.0	7.7	5.7	7.5	8.0	6.7	7.0
CASTLE (RAD-FC32)	7.0	7.0	7.0	6.3	7.7	8.0	5.0	7.7	7.0
MNHD-14	6.7	6.3	6.7	7.3	5.7	8.0	8.0	6.3	6.9
JETTY (PPG-FL 106)	6.7	6.7	6.3	7.7	6.0	8.0	7.0	6.3	6.8
RAD-FR33R	7.0	7.0	6.0	5.0	7.7	8.3	6.7	7.0	6.8
RAD-FC44	7.0	6.0	6.7	6.3	7.3	8.0	6.0	7.0	6.8
NAVIGATOR II	6.7	7.0	5.0	5.7	7.0	7.7	8.0	7.0	6.8
CARDINAL II (PPG-FRR 111)	6.3	7.0	5.3	6.3	7.0	7.3	7.3	7.0	6.7
DLFPS-FL/3066	6.7	6.0	7.3	7.0	5.7	8.0	6.3	6.3	6.7
RADAR	6.3	6.0	7.0	4.7	6.0	8.0	8.0	7.0	6.6
DLFPS-FL/3060	6.3	6.0	5.3	7.0	5.7	8.0	8.0	6.3	6.6
SWORD	6.7	6.0	6.3	6.3	5.7	8.0	7.0	6.3	6.5
RAD-FR47	6.7	6.7	5.7	5.7	7.3	7.0	6.0	7.0	6.5
PST-4BEN	6.7	7.0	5.3	5.7	6.7	7.7	6.0	6.7	6.5
DLFPS-FRR/3068	6.7	6.7	4.3	5.3	6.7	7.0	8.0	6.3	6.4
GLADIATOR (TH456)	7.0	6.3	5.7	5.3	5.3	7.5	7.3	6.3	6.4
DLF-FRC 3338	6.7	6.0	5.7	5.3	7.3	8.0	5.3	6.3	6.3
DLF-FRR 6162	6.7	7.0	4.0	5.0	7.0	8.0	6.0	6.7	6.3
PST-4RUE	6.7	7.0	5.3	5.3	7.0	7.7	5.0	6.3	6.3
QUATRO	6.7	6.3	4.3	8.0	5.7	7.7	6.0	5.3	6.3
7C34	6.0	7.0	4.3	4.7	7.3	8.0	6.0	6.3	6.2
COMPASS II (PPG-FRC 113)	7.0	5.7	6.3	4.0	7.0	7.7	5.3	6.3	6.2
DLFPS-FRC/3060	5.7	5.3	6.0	5.3	6.7	8.0	6.0	6.3	6.2
BAR VV-VP3-CT	6.3	6.3	6.3	4.3	6.0	8.0	5.3	6.3	6.1
DLFPS-FRC/3057	6.0	5.7	6.3	4.0	7.0	7.7	6.0	6.3	6.1
DLFPS-FRR/3069	6.0	6.7	3.7	4.3	6.7	7.7	8.0	6.0	6.1
BEACON	6.0	5.7	5.7	5.0	5.7	7.5	7.3	6.0	6.1
PST-4ED4	7.0	7.0	4.3	5.3	6.7	8.0	4.0	6.3	6.1
PST-4DR4	6.3	6.7	4.3	4.7	6.7	7.3	6.0	6.3	6.0
C14-OS3	6.0	6.0	5.0	4.3	6.0	8.0	6.0	6.0	5.9
KENT	6.3	6.7	4.0	4.7	6.3	7.7	5.0	6.7	5.9
MARVEL	5.3	6.7	4.0	5.3	6.7	7.7	5.0	6.0	5.8
MINIMUS	6.0	6.0	6.3	5.3	5.0	7.3	4.0	6.0	5.8
CASCADE	5.7	5.3	5.3	4.0	6.7	7.7	5.0	5.7	5.7
SEAMIST (PPG-FRT 101)	6.0	6.0	5.3	3.3	6.0	8.0	5.3	5.0	5.6
PST-4BND	6.0	5.7	6.3	5.7	5.3	.	4.3	6.0	5.6
BOREAL	5.5	6.0	2.7	4.3	5.0	7.3	6.7	6.0	5.4
BAR 6FR 126	5.3	5.3	4.3	4.0	5.7	8.0	5.0	5.3	5.4
SEABREEZE GT	5.7	5.3	3.7	2.7	6.0	7.5	6.0	5.3	5.3
BAR FRT 5002	5.7	6.0	2.0	2.0	5.3	8.0	4.0	5.0	4.8
BEUDIN	6.0	5.7	1.0	1.7	6.0	6.7	5.0	5.0	4.6
LSD VALUE	0.9	0.7	1.1	1.1	1.0	0.9	0.5	0.7	0.3
C.V. (%)	8.7	7.1	13.0	13.8	9.4	6.1	4.8	7.1	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 13B. GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	MI1	MI2	MN1	MN2	MO1	NC1	NJ2	WA1	MEAN
PPG-FRC 114	6.7	6.3	8.0	5.3	7.7	8.0	7.0	7.0	7.0
CASTLE (RAD-FC32)	7.0	7.0	7.0	6.3	7.7	8.0	5.0	7.7	7.0
RAD-FC44	7.0	6.0	6.7	6.3	7.3	8.0	6.0	7.0	6.8
RADAR	6.3	6.0	7.0	4.7	6.0	8.0	8.0	7.0	6.6
DLF-FRC 3338	6.7	6.0	5.7	5.3	7.3	8.0	5.3	6.3	6.3
COMPASS II (PPG-FRC 113)	7.0	5.7	6.3	4.0	7.0	7.7	5.3	6.3	6.2
DLFPS-FRC/3060	5.7	5.3	6.0	5.3	6.7	8.0	6.0	6.3	6.2
BAR VV-VP3-CT	6.3	6.3	6.3	4.3	6.0	8.0	5.3	6.3	6.1
DLFPS-FRC/3057	6.0	5.7	6.3	4.0	7.0	7.7	6.0	6.3	6.1
CASCADE	5.7	5.3	5.3	4.0	6.7	7.7	5.0	5.7	5.7
BAR 6FR 126	5.3	5.3	4.3	4.0	5.7	8.0	5.0	5.3	5.4
LSD VALUE	0.7	0.7	1.0	1.0	1.1	0.5	0.5	0.8	0.3
C.V. (%)	7.3	7.8	10.0	12.9	10.2	3.9	5.2	7.6	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 13C. GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								
	MI1	MI2	MN1	MN2	MO1	NC1	NJ2	WA1	MEAN
RAD-FR33R	7.0	7.0	6.0	5.0	7.7	8.3	6.7	7.0	6.8
NAVIGATOR II	6.7	7.0	5.0	5.7	7.0	7.7	8.0	7.0	6.8
CARDINAL II (PPG-FRR 111)	6.3	7.0	5.3	6.3	7.0	7.3	7.3	7.0	6.7
RAD-FR47	6.7	6.7	5.7	5.7	7.3	7.0	6.0	7.0	6.5
PST-4BEN	6.7	7.0	5.3	5.7	6.7	7.7	6.0	6.7	6.5
DLFPS-FRR/3068	6.7	6.7	4.3	5.3	6.7	7.0	8.0	6.3	6.4
DLF-FRR 6162	6.7	7.0	4.0	5.0	7.0	8.0	6.0	6.7	6.3
PST-4RUE	6.7	7.0	5.3	5.3	7.0	7.7	5.0	6.3	6.3
7C34	6.0	7.0	4.3	4.7	7.3	8.0	6.0	6.3	6.2
DLFPS-FRR/3069	6.0	6.7	3.7	4.3	6.7	7.7	8.0	6.0	6.1
PST-4ED4	7.0	7.0	4.3	5.3	6.7	8.0	4.0	6.3	6.1
PST-4DR4	6.3	6.7	4.3	4.7	6.7	7.3	6.0	6.3	6.0
C14-OS3	6.0	6.0	5.0	4.3	6.0	8.0	6.0	6.0	5.9
KENT	6.3	6.7	4.0	4.7	6.3	7.7	5.0	6.7	5.9
MARVEL	5.3	6.7	4.0	5.3	6.7	7.7	5.0	6.0	5.8
BOREAL	5.5	6.0	2.7	4.3	5.0	7.3	6.7	6.0	5.4
LSD VALUE	1.1	0.7	1.2	1.3	0.9	0.8	0.4	0.7	0.3
C.V. (%)	10.2	6.4	16.7	15.2	8.6	6.8	4.0	6.3	9.2

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 13D. GENETIC COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								MEAN
	MI1	MI2	MN1	MN2	MO1	NC1	NJ2	WA1	
RESOLUTE (7H7)	7.0	6.3	7.0	7.7	5.7	7.5	8.0	6.7	7.0
MNHD-14	6.7	6.3	6.7	7.3	5.7	8.0	8.0	6.3	6.9
JETTY (PPG-FL 106)	6.7	6.7	6.3	7.7	6.0	8.0	7.0	6.3	6.8
DLFPS-FL/3066	6.7	6.0	7.3	7.0	5.7	8.0	6.3	6.3	6.7
DLFPS-FL/3060	6.3	6.0	5.3	7.0	5.7	8.0	8.0	6.3	6.6
SWORD	6.7	6.0	6.3	6.3	5.7	8.0	7.0	6.3	6.5
GLADIATOR (TH456)	7.0	6.3	5.7	5.3	5.3	7.5	7.3	6.3	6.4
QUATRO	6.7	6.3	4.3	8.0	5.7	7.7	6.0	5.3	6.3
BEACON	6.0	5.7	5.7	5.0	5.7	7.5	7.3	6.0	6.1
MINIMUS	6.0	6.0	6.3	5.3	5.0	7.3	4.0	6.0	5.8
PST-4BND	6.0	5.7	6.3	5.7	5.3	.	4.3	6.0	5.6
BEUDIN	6.0	5.7	1.0	1.7	6.0	6.7	5.0	5.0	4.6
LSD VALUE	0.8	0.8	1.1	1.2	0.8	1.2	0.5	0.8	0.3
C.V. (%)	7.7	7.7	11.7	12.1	8.9	7.4	5.1	7.7	8.7

TABLE 13E. GENETIC COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/								MEAN
	MI1	MI2	MN1	MN2	MO1	NC1	NJ2	WA1	
SEAMIST (PPG-FRT 101)	6.0	6.0	5.3	3.3	6.0	8.0	5.3	5.0	5.6
SEABREEZE GT	5.7	5.3	3.7	2.7	6.0	7.5	6.0	5.3	5.3
BAR FRT 5002	5.7	6.0	2.0	2.0	5.3	8.0	4.0	5.0	4.8
LSD VALUE	0.8	0.5	0.8	0.8	1.1	0.9	0.5	0.5	0.3
C.V. (%)	8.2	5.8	12.9	17.7	11.5	5.2	6.5	6.5	8.7

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

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

TABLE 14A.

 SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 2016 DATA

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

NAME	CT1	IL1	MI1	MI2	MN1	NC1	ND1	NJ1	OR1	WA1	MEAN
QUATRO	6.0	5.3	6.7	4.7	5.0	4.3	6.0	8.7	5.0	4.3	5.6
BAR 6FR 126	5.7	6.3	3.7	4.7	6.0	6.7	5.0	6.3	6.7	4.3	5.5
COMPASS II (PPG-FRC 113)	7.0	6.7	2.7	4.7	6.0	7.0	5.0	5.0	6.0	5.0	5.5
BAR VV-VP3-CT	6.7	6.3	3.3	4.7	7.0	6.7	5.0	5.7	6.0	3.7	5.5
KENT	6.0	6.3	4.0	4.3	6.3	6.7	5.3	4.7	4.7	6.3	5.5
RAD-FR33R	8.0	6.3	3.0	3.3	6.3	7.0	5.0	5.0	5.3	5.3	5.5
SEAMIST (PPG-FRT 101)	5.0	7.3	3.7	5.0	6.7	7.0	5.0	4.7	5.3	5.0	5.5
PST-4BEN	7.3	6.0	3.3	3.3	5.7	6.7	6.0	4.7	6.0	5.7	5.5
MINIMUS	6.0	7.0	4.3	5.7	4.3	6.3	6.0	5.3	5.3	4.0	5.4
RAD-FR47	8.3	6.0	3.0	4.0	5.3	4.7	6.0	4.3	6.0	6.3	5.4
PST-4DR4	7.0	6.3	3.0	4.0	6.7	6.0	4.3	5.3	5.7	5.3	5.4
CASCADE	6.7	6.0	3.7	3.3	7.3	6.7	5.0	5.3	5.0	4.3	5.3
NAVIGATOR II	6.0	4.7	3.0	4.3	6.0	6.7	6.0	5.3	5.3	6.0	5.3
C14-OS3	6.7	5.7	3.3	5.0	5.0	6.7	6.0	4.7	6.0	4.0	5.3
PPG-FRC 114	7.3	6.3	3.3	4.0	5.3	6.7	5.0	5.0	6.3	3.7	5.3
PST-4RUE	6.7	6.3	3.0	3.3	5.3	6.0	6.0	4.3	5.3	6.3	5.3
DLFPS-FRC/3060	7.3	5.7	3.3	4.3	6.7	4.7	5.0	5.0	5.3	4.7	5.2
PST-4ED4	6.3	7.0	2.7	3.7	5.0	6.7	4.0	5.0	5.7	6.0	5.2
DLF-FRR 6162	6.3	6.3	3.0	3.0	5.7	6.7	6.0	4.0	5.3	5.0	5.1
CARDINAL II (PPG-FRR 111)	6.3	5.3	3.3	4.0	6.0	6.3	5.0	5.0	5.3	4.3	5.1
RADAR	7.7	6.0	3.3	4.0	5.0	6.7	4.3	4.7	6.0	3.3	5.1
7C34	7.0	5.7	3.7	4.0	4.3	6.3	5.0	4.0	5.7	5.0	5.1
MARVEL	5.7	4.3	3.0	4.7	6.3	6.3	5.0	5.3	4.7	5.3	5.1
DLFPS-FRR/3069	6.0	5.7	3.0	4.0	4.7	6.0	5.7	4.3	5.0	6.0	5.0
DLFPS-FL/3066	6.3	7.0	4.7	3.3	4.0	4.3	6.0	4.7	5.7	4.0	5.0
DLFPS-FRC/3057	6.3	6.3	2.7	3.3	5.0	6.7	5.0	4.7	6.0	3.3	4.9
BOREAL	5.7	4.7	3.0	3.0	4.7	6.7	6.0	5.0	5.3	4.3	4.8
DLF-FRC 3338	7.3	4.3	3.0	4.0	5.0	7.0	5.3	4.0	6.0	2.3	4.8
BEUDIN	4.0	6.0	2.0	6.3	3.0	7.0	6.0	4.0	6.7	3.3	4.8
SEABREEZE GT	5.0	6.0	3.0	4.0	4.7	4.7	4.0	6.0	5.7	4.3	4.7
DLFPS-FRR/3068	5.3	6.3	3.3	3.0	3.7	4.7	5.0	4.3	6.0	5.0	4.7
DLFPS-FL/3060	6.3	5.3	2.7	4.0	4.7	4.7	6.0	4.0	5.7	3.0	4.6
CASTLE (RAD-FC32)	8.0	6.3	2.0	3.3	2.7	5.0	5.7	4.7	5.3	2.3	4.5
RAD-FC44	9.0	4.3	2.0	2.7	3.7	6.7	5.0	4.3	5.7	2.0	4.5
SWORD	6.0	6.0	4.0	3.7	4.0	2.7	5.0	5.0	5.7	3.0	4.5
JETTY (PPG-FL 106)	6.3	5.0	5.3	2.7	3.3	2.7	5.0	5.7	5.3	3.3	4.5
BEACON	6.0	6.7	3.3	3.3	4.7	4.3	5.0	3.0	5.0	2.3	4.4
GLADIATOR (TH456)	5.7	4.3	4.0	3.3	3.7	4.7	6.0	3.3	5.7	3.0	4.4
BAR FRT 5002	4.0	7.0	2.0	7.7	3.0	2.7	5.7	3.0	5.3	2.3	4.3
MNHD-14	6.3	5.3	2.7	2.7	3.3	3.0	6.0	4.3	5.7	3.3	4.3
PST-4BND	6.0	6.7	4.0	3.0	3.3	1.0	6.0	4.3	4.7	3.0	4.2
RESOLUTE (7H7)	6.0	5.3	2.3	3.0	4.3	1.0	6.0	4.3	6.0	2.7	4.1
LSD VALUE	1.3	1.2	1.2	1.3	1.2	3.0	0.4	1.3	0.8	1.7	0.5
C.V. (%)	12.7	12.3	22.8	20.0	15.5	33.6	4.4	17.0	8.9	24.8	18.4

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

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

TABLE 14B.

SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IL1	MI1	MI2	MN1	NC1	ND1	NJ1	OR1	WA1	MEAN
BAR 6FR 126	5.7	6.3	3.7	4.7	6.0	6.7	5.0	6.3	6.7	4.3	5.5
COMPASS II (PPG-FRC 113)	7.0	6.7	2.7	4.7	6.0	7.0	5.0	5.0	6.0	5.0	5.5
BAR VV-VP3-CT	6.7	6.3	3.3	4.7	7.0	6.7	5.0	5.7	6.0	3.7	5.5
CASCADE	6.7	6.0	3.7	3.3	7.3	6.7	5.0	5.3	5.0	4.3	5.3
PPG-FRC 114	7.3	6.3	3.3	4.0	5.3	6.7	5.0	5.0	6.3	3.7	5.3
DLFPS-FRC/3060	7.3	5.7	3.3	4.3	6.7	4.7	5.0	5.0	5.3	4.7	5.2
RADAR	7.7	6.0	3.3	4.0	5.0	6.7	4.3	4.7	6.0	3.3	5.1
DLFPS-FRC/3057	6.3	6.3	2.7	3.3	5.0	6.7	5.0	4.7	6.0	3.3	4.9
DLF-FRC 3338	7.3	4.3	3.0	4.0	5.0	7.0	5.3	4.0	6.0	2.3	4.8
CASTLE (RAD-FC32)	8.0	6.3	2.0	3.3	2.7	5.0	5.7	4.7	5.3	2.3	4.5
RAD-FC44	9.0	4.3	2.0	2.7	3.7	6.7	5.0	4.3	5.7	2.0	4.5
LSD VALUE	1.3	1.2	1.0	1.2	1.0	2.4	0.5	1.1	0.8	2.3	0.4
C.V. (%)	10.8	12.6	21.7	18.4	12.0	23.4	6.0	14.0	8.4	40.8	17.1

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 14C.

SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IL1	MI1	MI2	MN1	NC1	ND1	NJ1	OR1	WA1	MEAN
KENT	6.0	6.3	4.0	4.3	6.3	6.7	5.3	4.7	4.7	6.3	5.5
RAD-FR33R	8.0	6.3	3.0	3.3	6.3	7.0	5.0	5.0	5.3	5.3	5.5
PST-4BEN	7.3	6.0	3.3	3.3	5.7	6.7	6.0	4.7	6.0	5.7	5.5
RAD-FR47	8.3	6.0	3.0	4.0	5.3	4.7	6.0	4.3	6.0	6.3	5.4
PST-4DR4	7.0	6.3	3.0	4.0	6.7	6.0	4.3	5.3	5.7	5.3	5.4
NAVIGATOR II	6.0	4.7	3.0	4.3	6.0	6.7	6.0	5.3	5.3	6.0	5.3
C14-OS3	6.7	5.7	3.3	5.0	5.0	6.7	6.0	4.7	6.0	4.0	5.3
PST-4RUE	6.7	6.3	3.0	3.3	5.3	6.0	6.0	4.3	5.3	6.3	5.3
PST-4ED4	6.3	7.0	2.7	3.7	5.0	6.7	4.0	5.0	5.7	6.0	5.2
DLF-FRR 6162	6.3	6.3	3.0	3.0	5.7	6.7	6.0	4.0	5.3	5.0	5.1
CARDINAL II (PPG-FRR 111)	6.3	5.3	3.3	4.0	6.0	6.3	5.0	5.0	5.3	4.3	5.1
7C34	7.0	5.7	3.7	4.0	4.3	6.3	5.0	4.0	5.7	5.0	5.1
MARVEL	5.7	4.3	3.0	4.7	6.3	6.3	5.0	5.3	4.7	5.3	5.1
DLFPS-FRR/3069	6.0	5.7	3.0	4.0	4.7	6.0	5.7	4.3	5.0	6.0	5.0
BOREAL	5.7	4.7	3.0	3.0	4.7	6.7	6.0	5.0	5.3	4.3	4.8
DLFPS-FRR/3068	5.3	6.3	3.3	3.0	3.7	4.7	5.0	4.3	6.0	5.0	4.7
LSD VALUE	1.5	1.1	0.8	0.8	1.3	2.0	0.4	1.5	0.8	1.5	0.4
C.V. (%)	14.5	11.6	15.8	13.7	14.5	20.0	4.6	19.4	8.8	17.3	15.0

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 14D. SPRING GREENUP RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/										
	CT1	IL1	MI1	MI2	MN1	NC1	ND1	NJ1	OR1	WA1	MEAN
QUATRO	6.0	5.3	6.7	4.7	5.0	4.3	6	8.7	5.0	4.3	5.6
MINIMUS	6.0	7.0	4.3	5.7	4.3	6.3	6	5.3	5.3	4.0	5.4
DLFPS-FL/3066	6.3	7.0	4.7	3.3	4.0	4.3	6	4.7	5.7	4.0	5.0
BEUDIN	4.0	6.0	2.0	6.3	3.0	7.0	6	4.0	6.7	3.3	4.8
DLFPS-FL/3060	6.3	5.3	2.7	4.0	4.7	4.7	6	4.0	5.7	3.0	4.6
SWORD	6.0	6.0	4.0	3.7	4.0	2.7	5	5.0	5.7	3.0	4.5
JETTY (PPG-FL 106)	6.3	5.0	5.3	2.7	3.3	2.7	5	5.7	5.3	3.3	4.5
BEACON	6.0	6.7	3.3	3.3	4.7	4.3	5	3.0	5.0	2.3	4.4
GLADIATOR (TH456)	5.7	4.3	4.0	3.3	3.7	4.7	6	3.3	5.7	3.0	4.4
MNHD-14	6.3	5.3	2.7	2.7	3.3	3.0	6	4.3	5.7	3.3	4.3
PST-4BND	6.0	6.7	4.0	3.0	3.3	1.0	6	4.3	4.7	3.0	4.2
RESOLUTE (7H7)	6.0	5.3	2.3	3.0	4.3	1.0	6	4.3	6.0	2.7	4.1
LSD VALUE	1.1	1.3	1.8	1.8	1.4	4.0	0	1.4	0.8	1.2	0.6
C.V. (%)	11.6	14.3	28.8	29.4	22.6	65.1	0	18.0	9.0	23.3	23.8

TABLE 14E. SPRING GREENUP RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/										
	CT1	IL1	MI1	MI2	MN1	NC1	ND1	NJ1	OR1	WA1	MEAN
SEAMIST (PPG-FRT 101)	5.0	7.3	3.7	5.0	6.7	7.0	5.0	4.7	5.3	5.0	5.5
SEABREEZE GT	5.0	6.0	3.0	4.0	4.7	4.7	4.0	6.0	5.7	4.3	4.7
BAR FRT 5002	4.0	7.0	2.0	7.7	3.0	2.7	5.7	3.0	5.3	2.3	4.3
LSD VALUE	0.9	0.5	0.5	1.1	0.8	4.0	0.5	0.5	0.9	1.2	0.5
C.V. (%)	12.4	4.9	11.5	12.0	9.9	52.2	6.8	7.3	10.6	19.2	19.2

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

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

TABLE 15A. SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
DLF-FRR 6162	4.3	6.0	5.2
RADAR	5.3	5.0	5.2
C14-OS3	4.7	5.0	4.8
CARDINAL II (PPG-FRR 111)	4.7	5.0	4.8
BAR VV-VP3-CT	3.7	6.0	4.8
PST-4RUE	3.7	6.0	4.8
RAD-FR47	3.7	6.0	4.8
DLFPS-FRC/3060	3.3	6.0	4.7
DLFPS-FRR/3069	4.7	4.7	4.7
NAVIGATOR II	4.3	5.0	4.7
7C34	4.0	5.0	4.5
COMPASS II (PPG-FRC 113)	5.0	4.0	4.5
DLFPS-FRR/3068	4.0	5.0	4.5
KENT	4.0	5.0	4.5
PST-4DR4	4.0	5.0	4.5
CASCADE	4.7	4.0	4.3
DLF-FRC 3338	4.7	4.0	4.3
PPG-FRC 114	4.7	4.0	4.3
BOREAL	2.7	6.0	4.3
MARVEL	3.7	5.0	4.3
PST-4BEN	3.7	5.0	4.3
SEAMIST (PPG-FRT 101)	4.3	4.0	4.2
QUATRO	2.0	6.0	4.0
RAD-FR33R	3.0	5.0	4.0
BEUDIN	1.7	6.0	3.8
DLFPS-FL/3066	1.7	6.0	3.8
GLADIATOR (TH456)	1.7	6.0	3.8
BAR 6FR 126	2.7	5.0	3.8
CASTLE (RAD-FC32)	2.7	5.0	3.8
DLFPS-FRC/3057	3.7	4.0	3.8
MINIMUS	2.7	5.0	3.8
RAD-FC44	3.7	4.0	3.8
DLFPS-FL/3060	2.3	5.0	3.7
PST-4ED4	3.3	4.0	3.7
BAR FRT 5002	1.3	6.0	3.7
RESOLUTE (7H7)	1.0	6.0	3.5
BEACON	1.7	5.0	3.3
MNHD-14	1.0	5.3	3.2
JETTY (PPG-FL 106)	1.0	5.0	3.0
PST-4BND	1.0	5.0	3.0
SEABREEZE GT	2.0	4.0	3.0
SWORD	1.0	5.0	3.0
LSD VALUE	2.1	0.2	1.0
C.V. (%)	40.5	2.5	22.1

- 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 15B. SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
RADAR	5.3	5	5.2
BAR VV-VP3-CT	3.7	6	4.8
DLFPS-FRC/3060	3.3	6	4.7
COMPASS II (PPG-FRC 113)	5.0	4	4.5
CASCADE	4.7	4	4.3
DLF-FRC 3338	4.7	4	4.3
PPG-FRC 114	4.7	4	4.3
BAR 6FR 126	2.7	5	3.8
CASTLE (RAD-FC32)	2.7	5	3.8
DLFPS-FRC/3057	3.7	4	3.8
RAD-FC44	3.7	4	3.8
LSD VALUE	2.3	0	1.2
C.V. (%)	36.4	0	23.8

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 15C. SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
DLF-FRR 6162	4.3	6.0	5.2
C14-OS3	4.7	5.0	4.8
CARDINAL II (PPG-FRR 111)	4.7	5.0	4.8
PST-4RUE	3.7	6.0	4.8
RAD-FR47	3.7	6.0	4.8
DLFPS-FRR/3069	4.7	4.7	4.7
NAVIGATOR II	4.3	5.0	4.7
7C34	4.0	5.0	4.5
DLFPS-FRR/3068	4.0	5.0	4.5
KENT	4.0	5.0	4.5
PST-4DR4	4.0	5.0	4.5
BOREAL	2.7	6.0	4.3
MARVEL	3.7	5.0	4.3
PST-4BEN	3.7	5.0	4.3
RAD-FR33R	3.0	5.0	4.0
PST-4ED4	3.3	4.0	3.7
LSD VALUE	2.4	0.2	1.2
C.V. (%)	37.8	2.8	23.1

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 15D. SPRING DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
QUATRO	2.0	6.0	4.0
BEUDIN	1.7	6.0	3.8
DLFPS-FL/3066	1.7	6.0	3.8
GLADIATOR (TH456)	1.7	6.0	3.8
MINIMUS	2.7	5.0	3.8
DLFPS-FL/3060	2.3	5.0	3.7
RESOLUTE (7H7)	1.0	6.0	3.5
BEACON	1.7	5.0	3.3
MNHD-14	1.0	5.3	3.2
JETTY (PPG-FL 106)	1.0	5.0	3.0
PST-4BND	1.0	5.0	3.0
SWORD	1.0	5.0	3.0
LSD VALUE	1.2	0.3	0.6
C.V. (%)	49.1	3.1	15.8

TABLE 15E. SPRING DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
SEAMIST (PPG-FRT 101)	4.3	4	4.2
BAR FRT 5002	1.3	6	3.7
SEABREEZE GT	2.0	4	3.0
LSD VALUE	1.8	0	0.9
C.V. (%)	43.3	0	21.6

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 16A. SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	IN1	MEAN
BEUDIN	7.0	6.0	8.0	7.0
C14-0S3	7.7	5.0	7.3	6.7
CASTLE (RAD-FC32)	8.0	6.0	6.0	6.7
COMPASS II (PPG-FRC 113)	8.0	5.0	6.7	6.6
PST-4BEN	7.3	6.0	6.3	6.6
DLFPS-FRC/3060	7.5	6.0	6.0	6.5
DLFPS-FRR/3068	7.3	5.7	6.3	6.4
SEAMIST (PPG-FRT 101)	8.0	5.0	6.3	6.4
GLADIATOR (TH456)	.	6.7	6.0	6.3
RESOLUTE (7H7)	.	7.0	5.7	6.3
7C34	6.7	6.0	6.3	6.3
DLF-FRC 3338	7.7	5.0	6.3	6.3
RAD-FR47	7.0	6.0	6.0	6.3
BAR 6FR 126	7.5	5.0	6.3	6.3
RAD-FR33R	7.5	6.0	5.3	6.3
DLFPS-FRR/3069	7.0	5.0	6.7	6.2
NAVIGATOR II	7.7	5.3	5.7	6.2
DLFPS-FRC/3057	6.7	5.0	6.7	6.1
BAR VV-VP3-CT	7.0	6.0	5.3	6.1
CARDINAL II (PPG-FRR 111)	7.3	6.0	5.0	6.1
DLF-FRR 6162	7.3	6.0	5.0	6.1
PST-4ED4	7.5	5.0	5.7	6.1
PST-4DR4	7.0	5.0	6.0	6.0
QUATRO	7.0	6.3	4.7	6.0
PST-4RUE	6.5	6.0	5.3	5.9
MNHD-14	.	6.3	5.5	5.9
PPG-FRC 114	7.7	4.7	5.3	5.9
BEACON	.	6.0	5.7	5.8
KENT	6.7	6.0	4.7	5.8
CASCADE	8.0	5.0	4.3	5.8
MINIMUS	7.0	6.0	4.3	5.8
PST-4BND	7.0	6.0	4.3	5.8
RADAR	7.0	5.0	5.3	5.8
BOREAL	6.0	6.0	5.0	5.7
MARVEL	6.0	5.0	6.0	5.7
RAD-FC44	7.0	5.0	5.0	5.7
JETTY (PPG-FL 106)	.	6.0	5.3	5.7
BAR FRT 5002	.	6.0	5.0	5.5
DLFPS-FL/3066	.	6.0	5.0	5.5
DLFPS-FL/3060	.	6.0	4.7	5.3
SEABREEZE GT	5.0	5.0	5.3	5.1
SWORD	.	5.0	4.7	4.8
LSD VALUE	1.4	0.4	1.5	0.7
C.V. (%)	10.7	3.9	16.8	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 16B. SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	IN1	MEAN
CASTLE (RAD-FC32)	8.0	6.0	6.0	6.7
COMPASS II (PPG-FRC 113)	8.0	5.0	6.7	6.6
DLFPS-FRC/3060	7.5	6.0	6.0	6.5
DLF-FRC 3338	7.7	5.0	6.3	6.3
BAR 6FR 126	7.5	5.0	6.3	6.3
DLFPS-FRC/3057	6.7	5.0	6.7	6.1
BAR VV-VP3-CT	7.0	6.0	5.3	6.1
PPG-FRC 114	7.7	4.7	5.3	5.9
CASCADE	8.0	5.0	4.3	5.8
RADAR	7.0	5.0	5.3	5.8
RAD-FC44	7.0	5.0	5.0	5.7
LSD VALUE	1.3	0.3	1.7	0.7
C.V. (%)	9.8	3.3	18.6	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 16C. SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	IN1	MEAN
C14-OS3	7.7	5.0	7.3	6.7
PST-4BEN	7.3	6.0	6.3	6.6
DLFPS-FRR/3068	7.3	5.7	6.3	6.4
7C34	6.7	6.0	6.3	6.3
RAD-FR47	7.0	6.0	6.0	6.3
RAD-FR33R	7.5	6.0	5.3	6.3
DLFPS-FRR/3069	7.0	5.0	6.7	6.2
NAVIGATOR II	7.7	5.3	5.7	6.2
CARDINAL II (PPG-FRR 111)	7.3	6.0	5.0	6.1
DLF-FRR 6162	7.3	6.0	5.0	6.1
PST-4ED4	7.5	5.0	5.7	6.1
PST-4DR4	7.0	5.0	6.0	6.0
PST-4RUE	6.5	6.0	5.3	5.9
KENT	6.7	6.0	4.7	5.8
BOREAL	6.0	6.0	5.0	5.7
MARVEL	6.0	5.0	6.0	5.7
LSD VALUE	1.4	0.3	1.5	0.7
C.V. (%)	11.2	3.6	15.8	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 16D. SUMMER DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	IN1	MEAN
BEUDIN	7.0	6.0	8.0	7.0
GLADIATOR (TH456)	.	6.7	6.0	6.3
RESOLUTE (7H7)	.	7.0	5.7	6.3
QUATRO	7.0	6.3	4.7	6.0
MNHD-14	.	6.3	5.5	5.9
BEACON	.	6.0	5.7	5.8
MINIMUS	7.0	6.0	4.3	5.8
PST-4BND	7.0	6.0	4.3	5.8
JETTY (PPG-FL 106)	.	6.0	5.3	5.7
DLFPS-FL/3066	.	6.0	5.0	5.5
DLFPS-FL/3060	.	6.0	4.7	5.3
SWORD	.	5.0	4.7	4.8
LSD VALUE	2.4	0.5	1.4	0.7
C.V. (%)	14.3	4.7	15.9	10.9

TABLE 16E. SUMMER DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	IN1	MEAN
SEAMIST (PPG-FRT 101)	8	5	6.3	6.4
BAR FRT 5002	.	6	5.0	5.5
SEABREEZE GT	5	5	5.3	5.1
LSD VALUE	0	0	1.5	0.6
C.V. (%)	0	0	17.0	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 17A. FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
RESOLUTE (7H7)	.	8.0	8.0
MNHD-14	.	7.3	7.3
BAR FRT 5002	.	7.0	7.0
DLFPS-FL/3066	.	7.0	7.0
JETTY (PPG-FL 106)	.	7.0	7.0
C14-0S3	6.3	6.0	6.2
RADAR	6.3	6.0	6.2
DLF-FRR 6162	5.0	7.0	6.0
MINIMUS	5.0	7.0	6.0
PST-4RUE	4.0	8.0	6.0
SEABREEZE GT	.	6.0	6.0
SWORD	.	6.0	6.0
RAD-FC44	5.5	6.0	5.8
COMPASS II (PPG-FRC 113)	5.3	6.0	5.7
CARDINAL II (PPG-FRR 111)	5.0	6.0	5.5
CASCADE	5.0	6.0	5.5
MARVEL	5.0	6.0	5.5
PPG-FRC 114	5.0	6.0	5.5
DLF-FRC 3338	4.7	6.0	5.3
DLFPS-FRC/3060	3.5	7.0	5.3
KENT	3.5	7.0	5.3
RAD-FR33R	3.5	7.0	5.3
7C34	3.3	7.0	5.2
BAR VV-VP3-CT	3.3	7.0	5.2
QUATRO	3.0	7.3	5.2
BOREAL	3.0	7.0	5.0
DLFPS-FRR/3068	4.0	6.0	5.0
GLADIATOR (TH456)	2.0	8.0	5.0
NAVIGATOR II	4.0	6.0	5.0
PST-4BEN	4.0	6.0	5.0
RAD-FR47	3.0	7.0	5.0
SEAMIST (PPG-FRT 101)	4.0	6.0	5.0
DLFPS-FRR/3069	3.7	6.0	4.8
CASTLE (RAD-FC32)	3.5	6.0	4.8
BEUDIN	2.0	7.0	4.5
DLFPS-FL/3060	2.0	7.0	4.5
DLFPS-FRC/3057	3.0	6.0	4.5
PST-4DR4	3.0	6.0	4.5
PST-4ED4	2.7	6.0	4.3
BEACON	2.0	6.3	4.2
BAR 6FR 126	2.0	6.0	4.0
PST-4BND	2.0	6.0	4.0
LSD VALUE	2.5	0.2	0.9
C.V. (%)	31.6	2.4	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 17B. FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
RADAR	6.3	6	6.2
RAD-FC44	5.5	6	5.8
COMPASS II (PPG-FRC 113)	5.3	6	5.7
CASCADE	5.0	6	5.5
PPG-FRC 114	5.0	6	5.5
DLF-FRC 3338	4.7	6	5.3
DLFPS-FRC/3060	3.5	7	5.3
BAR VV-VP3-CT	3.3	7	5.2
CASTLE (RAD-FC32)	3.5	6	4.8
DLFPS-FRC/3057	3.0	6	4.5
BAR 6FR 126	2.0	6	4.0
LSD VALUE	2.3	0	1.0
C.V. (%)	30.2	0	16.6

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 17C. FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	NC1	ND1	MEAN
C14-OS3	6.3	6	6.2
DLF-FRR 6162	5.0	7	6.0
PST-4RUE	4.0	8	6.0
CARDINAL II (PPG-FRR 111)	5.0	6	5.5
MARVEL	5.0	6	5.5
KENT	3.5	7	5.3
RAD-FR33R	3.5	7	5.3
7C34	3.3	7	5.2
BOREAL	3.0	7	5.0
DLFPS-FRR/3068	4.0	6	5.0
NAVIGATOR II	4.0	6	5.0
PST-4BEN	4.0	6	5.0
RAD-FR47	3.0	7	5.0
DLFPS-FRR/3069	3.7	6	4.8
PST-4DR4	3.0	6	4.5
PST-4ED4	2.7	6	4.3
LSD VALUE	2.3	0	0.9
C.V. (%)	29.2	0	13.8

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

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

TABLE 17D. FALL DENSITY RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
RESOLUTE (7H7)	.	8.0	8.0
MNHD-14	.	7.3	7.3
DLFPS-FL/3066	.	7.0	7.0
JETTY (PPG-FL 106)	.	7.0	7.0
MINIMUS	5	7.0	6.0
SWORD	.	6.0	6.0
QUATRO	3	7.3	5.2
GLADIATOR (TH456)	2	8.0	5.0
BEUDIN	2	7.0	4.5
DLFPS-FL/3060	2	7.0	4.5
BEACON	2	6.3	4.2
PST-4BND	2	6.0	4.0
LSD VALUE	0	0.5	0.4
C.V. (%)	0	4.1	5.3

TABLE 17E. FALL DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	ND1	MEAN
BAR FRT 5002	.	7	7.0
SEABREEZE GT	.	6	6.0
SEAMIST (PPG-FRT 101)	4.0	6	5.0
LSD VALUE	1.6	0	0.7
C.V. (%)	25.0	0	8.7

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

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

TABLE 18A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
COMPASS II (PPG-FRC 113)	99.0	82.7	78.3	91.7	90.0	88.3
C14-OS3	99.0	81.7	70.0	91.7	86.7	85.8
CARDINAL II (PPG-FRR 111)	91.7	91.3	67.3	88.3	86.7	85.1
DLF-FRR 6162	97.7	85.0	68.3	91.7	80.0	84.5
PPG-FRC 114	99.0	83.3	71.7	85.0	83.3	84.5
RADAR	99.0	75.0	75.0	88.3	83.3	84.1
7C34	99.0	83.3	71.7	81.7	83.3	83.8
DLF-FRC 3338	97.7	85.0	60.0	85.0	90.0	83.5
DLFPS-FRC/3060	96.0	81.7	55.7	91.7	86.7	82.3
DLFPS-FRR/3069	94.7	70.0	78.3	88.3	80.0	82.3
DLFPS-FRR/3068	95.3	85.7	56.7	88.3	83.3	81.9
KENT	93.3	81.7	50.0	95.0	80.0	80.0
CASCADE	91.3	79.3	65.0	86.7	76.7	79.8
SEAMIST (PPG-FRT 101)	94.3	75.0	63.3	85.0	80.0	79.5
NAVIGATOR II	90.0	71.7	65.0	93.3	76.7	79.3
PST-4BEN	89.7	86.3	50.0	90.0	80.0	79.2
DLFPS-FRC/3057	99.0	76.7	51.7	85.0	83.3	79.1
BAR VV-VP3-CT	96.0	71.7	55.0	88.3	83.3	78.9
RAD-FR47	92.7	76.7	46.3	95.0	83.3	78.8
PST-4DR4	92.7	75.0	60.0	85.0	80.0	78.5
MARVEL	96.0	76.7	51.7	85.0	80.0	77.9
BAR 6FR 126	97.7	81.7	36.7	85.0	88.0	77.8
PST-4RUE	88.3	83.3	45.0	91.7	80.0	77.7
PST-4ED4	94.3	85.0	38.3	85.0	83.3	77.2
RAD-FC44	96.0	66.7	45.0	86.7	83.3	75.5
BOREAL	88.3	80.0	33.3	95.0	80.0	75.3
CASTLE (RAD-FC32)	97.7	76.7	33.7	91.7	76.7	75.3
RAD-FR33R	95.0	78.3	33.3	88.3	80.0	75.0
QUATRO	89.3	70.0	33.7	95.0	83.3	74.3
GLADIATOR (TH456)	86.7	81.7	12.0	93.3	86.7	72.1
DLFPS-FL/3060	93.3	76.7	18.3	85.0	83.3	71.3
MINIMUS	78.3	78.3	31.0	85.0	83.3	71.2
SEABREEZE GT	89.3	66.7	17.3	88.3	83.3	69.0
RESOLUTE (7H7)	88.3	71.7	3.7	95.0	83.3	68.4
DLFPS-FL/3066	91.7	56.7	3.7	93.3	83.3	65.7
PST-4BND	84.3	66.7	1.3	95.0	80.0	65.5
BEUDIN	94.0	43.3	12.3	86.7	90.0	65.3
BEACON	93.7	46.7	8.7	93.3	80.0	64.5
SWORD	87.7	60.0	2.7	81.7	83.3	63.1
JETTY (PPG-FL 106)	83.3	51.7	1.3	95.0	83.3	62.9
MNHD-14	89.7	53.3	1.7	91.7	76.7	62.6
BAR FRT 5002	99.0	33.3	2.0	81.7	80.0	59.2
LSD VALUE	9.0	22.2	37.3	6.2	7.8	9.1
C.V. (%)	6.0	18.8	56.5	4.3	5.9	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 18B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	CT1	M01	NC1	ND1	OR1	MEAN
COMPASS II (PPG-FRC 113)	99.0	82.7	78.3	91.7	90.0	88.3
PPG-FRC 114	99.0	83.3	71.7	85.0	83.3	84.5
RADAR	99.0	75.0	75.0	88.3	83.3	84.1
DLF-FRC 3338	97.7	85.0	60.0	85.0	90.0	83.5
DLFPS-FRC/3060	96.0	81.7	55.7	91.7	86.7	82.3
CASCADE	91.3	79.3	65.0	86.7	76.7	79.8
DLFPS-FRC/3057	99.0	76.7	51.7	85.0	83.3	79.1
BAR VV-VP3-CT	96.0	71.7	55.0	88.3	83.3	78.9
BAR 6FR 126	97.7	81.7	36.7	85.0	88.0	77.8
RAD-FC44	96.0	66.7	45.0	86.7	83.3	75.5
CASTLE (RAD-FC32)	97.7	76.7	33.7	91.7	76.7	75.3
LSD VALUE	6.8	20.9	46.3	8.5	8.7	10.5
C.V. (%)	4.4	16.7	50.5	6.0	6.4	18.1

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 18C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/						
NAME	CT1	MO1	NC1	ND1	OR1	MEAN
C14-OS3	99.0	81.7	70.0	91.7	86.7	85.8
CARDINAL II (PPG-FRR 111)	91.7	91.3	67.3	88.3	86.7	85.1
DLF-FRR 6162	97.7	85.0	68.3	91.7	80.0	84.5
7C34	99.0	83.3	71.7	81.7	83.3	83.8
DLFPS-FRR/3069	94.7	70.0	78.3	88.3	80.0	82.3
DLFPS-FRR/3068	95.3	85.7	56.7	88.3	83.3	81.9
KENT	93.3	81.7	50.0	95.0	80.0	80.0
NAVIGATOR II	90.0	71.7	65.0	93.3	76.7	79.3
PST-4BEN	89.7	86.3	50.0	90.0	80.0	79.2
RAD-FR47	92.7	76.7	46.3	95.0	83.3	78.8
PST-4DR4	92.7	75.0	60.0	85.0	80.0	78.5
MARVEL	96.0	76.7	51.7	85.0	80.0	77.9
PST-4RUE	88.3	83.3	45.0	91.7	80.0	77.7
PST-4ED4	94.3	85.0	38.3	85.0	83.3	77.2
BOREAL	88.3	80.0	33.3	95.0	80.0	75.3
RAD-FR33R	95.0	78.3	33.3	88.3	80.0	75.0
LSD VALUE	7.5	18.4	37.5	5.7	6.1	8.7
C.V. (%)	5.0	14.1	42.2	3.9	4.7	15.0

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 18D. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
QUATRO	89.3	70.0	33.7	95.0	83.3	74.3
GLADIATOR (TH456)	86.7	81.7	12.0	93.3	86.7	72.1
DLFPS-FL/3060	93.3	76.7	18.3	85.0	83.3	71.3
MINIMUS	78.3	78.3	31.0	85.0	83.3	71.2
RESOLUTE (7H7)	88.3	71.7	3.7	95.0	83.3	68.4
DLFPS-FL/3066	91.7	56.7	3.7	93.3	83.3	65.7
PST-4BND	84.3	66.7	1.3	95.0	80.0	65.5
BEUDIN	94.0	43.3	12.3	86.7	90.0	65.3
BEACON	93.7	46.7	8.7	93.3	80.0	64.5
SWORD	87.7	60.0	2.7	81.7	83.3	63.1
JETTY (PPG-FL 106)	83.3	51.7	1.3	95.0	83.3	62.9
MNHD-14	89.7	53.3	1.7	91.7	76.7	62.6
LSD VALUE	11.7	28.4	29.2	4.0	9.3	8.7
C.V. (%)	8.2	28.0	167.3	2.8	7.0	18.0

TABLE 18E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
SEAMIST (PPG-FRT 101)	94.3	75.0	63.3	85.0	80.0	79.5
SEABREEZE GT	89.3	66.7	17.3	88.3	83.3	69.0
BAR FRT 5002	99.0	33.3	2.0	81.7	80.0	59.2
LSD VALUE	10.2	16.5	26.5	6.0	5.4	6.8
C.V. (%)	6.8	17.6	59.7	4.4	4.1	13.6

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

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

TABLE 19A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/						
NAME	CT1	MO1	NC1	ND1	OR1	MEAN
RADAR	98.0	88.3	98.3	95.0	94.0	94.7
PPG-FRC 114	98.7	93.3	92.7	90.0	94.0	93.7
COMPASS II (PPG-FRC 113)	96.0	90.0	94.0	90.0	96.7	93.3
C14-OS3	95.7	86.7	96.3	90.0	95.3	92.8
CARDINAL II (PPG-FRR 111)	84.3	94.7	93.0	95.0	96.7	92.7
DLF-FRC 3338	96.0	86.7	88.0	91.7	96.7	91.8
CASCADE	88.3	90.0	92.0	91.7	94.0	91.2
DLF-FRR 6162	89.3	86.7	89.7	95.0	95.3	91.2
7C34	91.3	85.0	90.0	95.0	94.0	91.1
SEAMIST (PPG-FRT 101)	92.7	81.7	93.3	91.7	95.3	90.9
KENT	85.0	89.0	80.0	95.0	95.3	88.9
DLFPS-FRR/3068	86.7	88.3	80.0	93.3	95.3	88.7
DLFPS-FRC/3057	96.7	86.7	75.0	90.0	94.0	88.5
PST-4BEN	85.3	93.0	73.0	95.0	95.3	88.3
DLFPS-FRC/3060	97.0	88.3	65.0	91.7	96.7	87.7
NAVIGATOR II	81.0	76.7	90.0	95.0	95.3	87.6
DLFPS-FRR/3069	84.0	78.3	94.7	85.0	94.0	87.2
PST-4RUE	85.7	88.3	71.7	95.0	95.3	87.2
BAR VV-VP3-CT	95.7	83.3	65.0	95.0	95.3	86.9
PST-4DR4	90.3	78.3	73.3	91.7	96.7	86.1
BAR 6FR 126	90.0	88.3	55.0	93.3	96.7	84.7
MARVEL	85.7	85.0	66.7	91.7	94.0	84.6
RAD-FR47	83.7	85.0	62.3	93.3	96.7	84.2
RAD-FC44	91.0	81.7	60.0	90.0	96.7	83.9
CASTLE (RAD-FC32)	95.7	85.0	42.7	95.0	96.7	83.0
RAD-FR33R	88.7	81.7	55.0	93.3	94.0	82.5
PST-4ED4	83.7	83.3	60.0	90.0	95.3	82.5
BOREAL	78.3	83.3	53.3	93.3	92.7	80.2
QUATRO	83.3	75.0	46.0	95.0	94.0	78.7
SEABREEZE GT	91.3	76.7	28.3	91.7	95.3	76.7
BEUDIN	95.0	63.3	31.7	95.0	95.3	76.1
MINIMUS	60.0	80.0	37.0	95.0	98.0	74.0
GLADIATOR (TH456)	72.7	83.3	20.3	95.0	96.7	73.6
DLFPS-FL/3060	78.3	81.7	25.0	85.0	96.7	73.3
DLFPS-FL/3066	80.0	70.0	8.7	95.0	96.7	70.1
RESOLUTE (7H7)	75.0	78.3	4.0	95.0	98.0	70.1
MNHD-14	80.7	66.7	2.3	95.0	95.3	68.0
BAR FRT 5002	93.3	51.7	5.7	95.0	94.0	67.9
PST-4BND	69.3	76.7	1.3	95.0	95.3	67.5
SWORD	74.0	73.3	3.7	90.0	96.7	67.5
BEACON	83.3	43.3	17.3	95.0	98.0	67.4
JETTY (PPG-FL 106)	71.7	66.7	1.3	95.0	96.7	66.3
LSD VALUE	12.7	14.1	37.4	2.8	3.7	8.4
C.V. (%)	9.1	10.9	41.0	1.9	2.4	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 19B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/						
NAME	CT1	MO1	NC1	ND1	OR1	MEAN
RADAR	98.0	88.3	98.3	95.0	94.0	94.7
PPG-FRC 114	98.7	93.3	92.7	90.0	94.0	93.7
COMPASS II (PPG-FRC 113)	96.0	90.0	94.0	90.0	96.7	93.3
DLF-FRC 3338	96.0	86.7	88.0	91.7	96.7	91.8
CASCADE	88.3	90.0	92.0	91.7	94.0	91.2
DLFPS-FRC/3057	96.7	86.7	75.0	90.0	94.0	88.5
DLFPS-FRC/3060	97.0	88.3	65.0	91.7	96.7	87.7
BAR VV-VP3-CT	95.7	83.3	65.0	95.0	95.3	86.9
BAR 6FR 126	90.0	88.3	55.0	93.3	96.7	84.7
RAD-FC44	91.0	81.7	60.0	90.0	96.7	83.9
CASTLE (RAD-FC32)	95.7	85.0	42.7	95.0	96.7	83.0
LSD VALUE	6.6	12.0	46.4	3.7	4.9	9.8
C.V. (%)	4.3	8.6	38.4	2.5	3.2	15.2

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

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

TABLE 19C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
C14-OS3	95.7	86.7	96.3	90.0	95.3	92.8
CARDINAL II (PPG-FRR 111)	84.3	94.7	93.0	95.0	96.7	92.7
DLF-FRR 6162	89.3	86.7	89.7	95.0	95.3	91.2
7C34	91.3	85.0	90.0	95.0	94.0	91.1
KENT	85.0	89.0	80.0	95.0	95.3	88.9
DLFPS-FRR/3068	86.7	88.3	80.0	93.3	95.3	88.7
PST-4BEN	85.3	93.0	73.0	95.0	95.3	88.3
NAVIGATOR II	81.0	76.7	90.0	95.0	95.3	87.6
DLFPS-FRR/3069	84.0	78.3	94.7	85.0	94.0	87.2
PST-4RUE	85.7	88.3	71.7	95.0	95.3	87.2
PST-4DR4	90.3	78.3	73.3	91.7	96.7	86.1
MARVEL	85.7	85.0	66.7	91.7	94.0	84.6
RAD-FR47	83.7	85.0	62.3	93.3	96.7	84.2
RAD-FR33R	88.7	81.7	55.0	93.3	94.0	82.5
PST-4ED4	83.7	83.3	60.0	90.0	95.3	82.5
BOREAL	78.3	83.3	53.3	93.3	92.7	80.2
LSD VALUE	10.0	12.3	33.8	2.8	3.2	7.5
C.V. (%)	7.2	8.9	27.3	1.9	2.1	12.0

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

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

TABLE 19D. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
QUATRO	83.3	75.0	46.0	95	94.0	78.7
BEUDIN	95.0	63.3	31.7	95	95.3	76.1
MINIMUS	60.0	80.0	37.0	95	98.0	74.0
GLADIATOR (TH456)	72.7	83.3	20.3	95	96.7	73.6
DLFPS-FL/3060	78.3	81.7	25.0	85	96.7	73.3
DLFPS-FL/3066	80.0	70.0	8.7	95	96.7	70.1
RESOLUTE (7H7)	75.0	78.3	4.0	95	98.0	70.1
MNHD-14	80.7	66.7	2.3	95	95.3	68.0
PST-4BND	69.3	76.7	1.3	95	95.3	67.5
SWORD	74.0	73.3	3.7	90	96.7	67.5
BEACON	83.3	43.3	17.3	95	98.0	67.4
JETTY (PPG-FL 106)	71.7	66.7	1.3	95	96.7	66.3
LSD VALUE	19.4	17.7	34.7	0	3.0	8.7
C.V. (%)	15.7	15.4	130.3	0	2.0	17.1

TABLE 19E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	CT1	MO1	NC1	ND1	OR1	MEAN
SEAMIST (PPG-FRT 101)	92.7	81.7	93.3	91.7	95.3	90.9
SEABREEZE GT	91.3	76.7	28.3	91.7	95.3	76.7
BAR FRT 5002	93.3	51.7	5.7	95.0	94.0	67.9
LSD VALUE	6.7	14.7	27.6	3.8	3.0	6.5
C.V. (%)	4.5	13.0	40.4	2.5	2.0	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 20A.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											MEAN
	CT1	MI1	MI2	MN1	MN2	MO1	NC1	ND1	NJ2	OR1	WA1	
C14-OS3	99.0	99.0	99.0	97.7	96.3	85.0	78.3	99.0	90.0	91.3	96.3	93.7
RADAR	97.7	99.0	94.7	97.7	93.0	93.3	78.3	95.0	85.0	92.7	95.3	92.9
PPG-FRC 114	94.7	99.0	99.0	98.0	97.7	93.3	61.7	95.0	90.0	94.0	96.3	92.6
COMPASS II (PPG-FRC 113)	94.7	99.0	97.7	96.7	96.3	95.7	56.7	85.0	95.0	94.0	95.3	91.5
DLF-FRC 3338	97.7	99.0	99.0	96.3	96.3	91.7	50.0	95.0	80.0	92.7	95.7	90.3
DLFPS-FRC/3057	99.0	99.0	97.7	98.3	97.7	91.7	32.5	95.0	88.3	94.0	90.3	89.4
SEAMIST (PPG-FRT 101)	95.0	99.0	95.0	97.3	93.3	83.3	56.7	95.0	78.3	91.3	96.7	89.2
CARDINAL II (PPG-FRR 111)	76.7	99.0	96.3	81.0	88.3	94.7	66.7	95.0	93.3	94.0	93.0	88.9
BAR VV-VP3-CT	99.0	99.0	99.0	98.3	93.3	76.7	31.7	99.0	83.3	92.7	97.7	88.2
CASCADE	96.3	99.0	90.0	97.0	90.0	89.0	53.3	95.0	63.3	91.3	97.3	87.4
DLF-FRR 6162	88.3	99.0	99.0	86.3	83.3	68.3	65.0	97.7	85.0	92.7	95.7	87.3
DLFPS-FRC/3060	96.3	99.0	93.3	97.3	93.3	90.0	18.3	99.0	80.0	90.0	97.0	86.7
CASTLE (RAD-FC32)	96.3	99.0	93.3	94.7	86.7	88.3	27.0	95.0	86.7	94.0	91.3	86.6
RAD-FC44	97.7	99.0	93.3	93.3	91.7	81.7	35.0	95.0	75.0	92.7	93.3	86.2
MARVEL	86.7	99.0	71.7	76.0	80.0	80.0	65.0	99.0	90.0	90.0	95.3	84.8
7C34	88.3	99.0	86.7	87.7	85.0	80.0	30.0	99.0	85.0	94.0	92.7	84.3
BAR 6FR 126	94.3	99.0	91.7	97.7	93.3	85.0	10.0	99.0	63.3	94.0	98.7	84.2
PST-4BEN	86.7	99.0	97.7	77.3	80.0	83.0	53.3	95.0	66.7	94.0	93.0	84.2
PST-4DR4	85.0	99.0	91.3	76.0	83.3	81.7	32.5	97.7	70.0	92.7	93.0	82.0
PST-4RUE	68.3	99.0	96.3	71.7	81.7	90.0	46.7	97.7	65.0	92.7	90.7	81.8
DLFPS-FL/3066	75.0	99.0	96.3	98.7	99.0	43.3	2.3	99.0	95.0	94.0	97.0	81.7
KENT	78.3	99.0	73.3	84.0	85.0	70.0	40.0	99.0	85.0	90.0	95.0	81.7
MINIMUS	51.7	99.0	93.3	92.7	97.7	50.0	32.5	96.3	90.0	95.3	98.3	81.5
GLADIATOR (TH456)	71.7	99.0	99.0	98.7	99.0	30.0	8.3	99.0	96.3	98.0	97.0	81.5
DLFPS-FRR/3068	73.3	99.0	85.0	81.0	83.3	65.0	35.0	95.0	91.7	91.3	92.3	81.1
DLFPS-FL/3060	81.7	99.0	99.0	98.3	97.7	30.0	6.0	95.0	93.3	94.0	97.7	81.1
DLFPS-FRR/3069	80.0	99.0	68.3	83.0	83.3	66.7	46.7	95.0	88.3	88.0	92.0	80.9
RESOLUTE (7H7)	74.7	99.0	97.7	99.0	99.0	33.3	2.3	99.0	93.3	95.3	97.0	80.9
MNHD-14	68.0	99.0	97.7	98.7	99.0	40.0	0.5	99.0	96.3	92.7	97.7	80.8
QUATRO	87.7	99.0	97.7	96.3	97.7	26.7	4.7	99.0	83.3	91.3	98.7	80.2
NAVIGATOR II	83.3	99.0	56.7	83.7	88.3	78.3	41.7	96.3	73.3	88.0	92.0	80.1
RAD-FR33R	71.7	99.0	78.3	83.3	81.7	78.3	21.7	99.0	80.0	91.3	94.0	79.8
SWORD	68.3	99.0	97.7	97.7	97.7	35.0	1.7	95.0	90.0	94.0	97.7	79.4
SEABREEZE GT	80.0	99.0	71.7	94.7	86.7	71.7	1.7	95.0	81.7	91.3	95.0	78.9
BEACON	71.7	99.0	96.3	97.0	97.7	15.0	5.0	96.3	95.0	95.3	98.3	78.8
JETTY (PPG-FL 106)	61.7	99.0	96.0	95.7	99.0	30.0	2.0	99.0	91.7	94.0	97.0	78.6
PST-4BND	50.0	99.0	95.0	96.3	97.7	43.3	1.0	95.0	93.3	92.7	97.7	78.3
PST-4ED4	76.7	99.0	95.0	82.0	80.0	66.7	15.0	95.0	66.7	92.7	92.3	78.3
BAR FRT 5002	76.7	97.7	81.7	96.0	86.7	46.7	0.5	99.0	71.7	95.3	92.3	76.7
RAD-FR47	75.0	99.0	76.7	80.3	83.3	56.7	18.5	99.0	68.3	92.7	92.3	76.5
BOREAL	85.0	99.0	42.7	79.7	76.7	73.3	11.5	99.0	90.0	90.0	93.7	76.4
BEUDIN	70.0	96.3	61.7	88.0	83.3	58.3	3.3	97.7	51.7	94.0	94.3	72.6
LSD VALUE	23.3	0.8	15.3	8.0	5.9	29.4	28.4	1.5	5.6	4.3	3.2	4.5
C.V. (%)	17.6	0.5	10.7	5.5	4.1	27.1	54.1	1.0	4.2	2.9	2.1	11.0

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 20B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											
	CT1	MI1	MI2	MN1	MN2	MO1	NC1	ND1	NJ2	OR1	WA1	MEAN
RADAR	97.7	99	94.7	97.7	93.0	93.3	78.3	95	85.0	92.7	95.3	92.9
PPG-FRC 114	94.7	99	99.0	98.0	97.7	93.3	61.7	95	90.0	94.0	96.3	92.6
COMPASS II (PPG-FRC 113)	94.7	99	97.7	96.7	96.3	95.7	56.7	85	95.0	94.0	95.3	91.5
DLF-FRC 3338	97.7	99	99.0	96.3	96.3	91.7	50.0	95	80.0	92.7	95.7	90.3
DLFPS-FRC/3057	99.0	99	97.7	98.3	97.7	91.7	32.5	95	88.3	94.0	90.3	89.4
BAR VV-VP3-CT	99.0	99	99.0	98.3	93.3	76.7	31.7	99	83.3	92.7	97.7	88.2
CASCADE	96.3	99	90.0	97.0	90.0	89.0	53.3	95	63.3	91.3	97.3	87.4
DLFPS-FRC/3060	96.3	99	93.3	97.3	93.3	90.0	18.3	99	80.0	90.0	97.0	86.7
CASTLE (RAD-FC32)	96.3	99	93.3	94.7	86.7	88.3	27.0	95	86.7	94.0	91.3	86.6
RAD-FC44	97.7	99	93.3	93.3	91.7	81.7	35.0	95	75.0	92.7	93.3	86.2
BAR 6FR 126	94.3	99	91.7	97.7	93.3	85.0	10.0	99	63.3	94.0	98.7	84.2
LSD VALUE	5.7	0	3.9	4.1	5.2	10.4	37.6	0	5.2	4.6	3.4	3.5
C.V. (%)	3.7	0	2.5	2.6	3.5	7.3	54.2	0	4.0	3.1	2.2	8.0

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

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

TABLE 20C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/											
	CT1	MI1	MI2	MN1	MN2	MO1	NC1	ND1	NJ2	OR1	WA1	MEAN
C14-OS3	99.0	99	99.0	97.7	96.3	85.0	78.3	99.0	90.0	91.3	96.3	93.7
CARDINAL II (PPG-FRR 111)	76.7	99	96.3	81.0	88.3	94.7	66.7	95.0	93.3	94.0	93.0	88.9
DLF-FRR 6162	88.3	99	99.0	86.3	83.3	68.3	65.0	97.7	85.0	92.7	95.7	87.3
MARVEL	86.7	99	71.7	76.0	80.0	80.0	65.0	99.0	90.0	90.0	95.3	84.8
7C34	88.3	99	86.7	87.7	85.0	80.0	30.0	99.0	85.0	94.0	92.7	84.3
PST-4BEN	86.7	99	97.7	77.3	80.0	83.0	53.3	95.0	66.7	94.0	93.0	84.2
PST-4DR4	85.0	99	91.3	76.0	83.3	81.7	32.5	97.7	70.0	92.7	93.0	82.0
PST-4RUE	68.3	99	96.3	71.7	81.7	90.0	46.7	97.7	65.0	92.7	90.7	81.8
KENT	78.3	99	73.3	84.0	85.0	70.0	40.0	99.0	85.0	90.0	95.0	81.7
DLFPS-FRR/3068	73.3	99	85.0	81.0	83.3	65.0	35.0	95.0	91.7	91.3	92.3	81.1
DLFPS-FRR/3069	80.0	99	68.3	83.0	83.3	66.7	46.7	95.0	88.3	88.0	92.0	80.9
NAVIGATOR II	83.3	99	56.7	83.7	88.3	78.3	41.7	96.3	73.3	88.0	92.0	80.1
RAD-FR33R	71.7	99	78.3	83.3	81.7	78.3	21.7	99.0	80.0	91.3	94.0	79.8
PST-4ED4	76.7	99	95.0	82.0	80.0	66.7	15.0	95.0	66.7	92.7	92.3	78.3
RAD-FR47	75.0	99	76.7	80.3	83.3	56.7	18.5	99.0	68.3	92.7	92.3	76.5
BOREAL	85.0	99	42.7	79.7	76.7	73.3	11.5	99.0	90.0	90.0	93.7	76.4
LSD VALUE	11.5	0	22.5	11.6	7.4	29.9	29.1	1.9	5.4	5.1	3.5	4.4
C.V. (%)	8.8	0	17.0	8.8	5.5	24.4	37.0	1.2	4.2	3.5	2.3	10.9

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

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

TABLE 20D. PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/												
NAME	CT1	MI1	MI2	MN1	MN2	MO1	NC1	ND1	NJ2	OR1	WA1	MEAN
DLFPS-FL/3066	75.0	99.0	96.3	98.7	99.0	43.3	2.3	99.0	95.0	94.0	97.0	81.7
MINIMUS	51.7	99.0	93.3	92.7	97.7	50.0	32.5	96.3	90.0	95.3	98.3	81.5
GLADIATOR (TH456)	71.7	99.0	99.0	98.7	99.0	30.0	8.3	99.0	96.3	98.0	97.0	81.5
DLFPS-FL/3060	81.7	99.0	99.0	98.3	97.7	30.0	6.0	95.0	93.3	94.0	97.7	81.1
RESOLUTE (7H7)	74.7	99.0	97.7	99.0	99.0	33.3	2.3	99.0	93.3	95.3	97.0	80.9
MNHD-14	68.0	99.0	97.7	98.7	99.0	40.0	0.5	99.0	96.3	92.7	97.7	80.8
QUATRO	87.7	99.0	97.7	96.3	97.7	26.7	4.7	99.0	83.3	91.3	98.7	80.2
SWORD	68.3	99.0	97.7	97.7	97.7	35.0	1.7	95.0	90.0	94.0	97.7	79.4
BEACON	71.7	99.0	96.3	97.0	97.7	15.0	5.0	96.3	95.0	95.3	98.3	78.8
JETTY (PPG-FL 106)	61.7	99.0	96.0	95.7	99.0	30.0	2.0	99.0	91.7	94.0	97.0	78.6
PST-4BND	50.0	99.0	95.0	96.3	97.7	43.3	1.0	95.0	93.3	92.7	97.7	78.3
BEUDIN	70.0	96.3	61.7	88.0	83.3	58.3	3.3	97.7	51.7	94.0	94.3	72.6
LSD VALUE	40.1	1.1	10.1	4.7	3.8	39.7	17.6	1.9	4.3	2.6	2.4	5.5
C.V. (%)	36.0	0.7	6.7	3.0	2.4	68.0	180.8	1.2	3.0	1.7	1.5	14.2

TABLE 20E. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/												
NAME	CT1	MI1	MI2	MN1	MN2	MO1	NC1	ND1	NJ2	OR1	WA1	MEAN
SEAMIST (PPG-FRT 101)	95.0	99.0	95.0	97.3	93.3	83.3	56.7	95	78.3	91.3	96.7	89.2
SEABREEZE GT	80.0	99.0	71.7	94.7	86.7	71.7	1.7	95	81.7	91.3	95.0	78.9
BAR FRT 5002	76.7	97.7	81.7	96.0	86.7	46.7	0.5	99	71.7	95.3	92.3	76.7
LSD VALUE	18.8	2.1	10.0	4.7	6.6	25.4	13.1	0	10.4	3.7	3.9	3.5
C.V. (%)	13.9	1.4	7.5	3.0	4.6	23.5	38.4	0	8.4	2.5	2.6	8.7

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

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

TABLE 21A. WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NC1	MEAN
GLADIATOR (TH456)	5.3	4.7	5.0
CARDINAL II (PPG-FRR 111)	2.7	6.7	4.7
COMPASS II (PPG-FRC 113)	2.3	7.0	4.7
DLF-FRR 6162	2.7	6.7	4.7
DLFPS-FRR/3069	2.3	7.0	4.7
7C34	2.3	6.7	4.5
BAR VV-VP3-CT	2.7	6.3	4.5
C14-OS3	2.0	7.0	4.5
DLF-FRC 3338	2.3	6.7	4.5
DLFPS-FRR/3068	2.3	6.7	4.5
MARVEL	2.3	6.7	4.5
NAVIGATOR II	2.7	6.3	4.5
PST-4ED4	2.3	6.7	4.5
PPG-FRC 114	2.0	6.7	4.3
PST-4RUE	2.0	6.7	4.3
QUATRO	4.0	4.7	4.3
RADAR	2.0	6.7	4.3
SEAMIST (PPG-FRT 101)	2.0	6.7	4.3
MINIMUS	6.0	2.7	4.3
PST-4BEN	2.3	6.3	4.3
DLFPS-FL/3060	5.7	2.7	4.2
DLFPS-FRC/3057	1.7	6.7	4.2
KENT	2.0	6.3	4.2
PST-4DR4	2.0	6.3	4.2
BAR 6FR 126	2.0	6.0	4.0
CASCADE	1.3	6.7	4.0
RAD-FR33R	2.7	5.0	3.8
RAD-FR47	2.7	5.0	3.8
BOREAL	2.7	4.7	3.7
RAD-FC44	2.3	5.0	3.7
DLFPS-FL/3066	6.0	1.0	3.5
JETTY (PPG-FL 106)	6.0	1.0	3.5
MNHD-14	6.0	1.0	3.5
RESOLUTE (7H7)	5.7	1.0	3.3
DLFPS-FRC/3060	2.0	4.3	3.2
PST-4BND	5.3	1.0	3.2
SWORD	5.3	1.0	3.2
BEACON	5.0	1.0	3.0
SEABREEZE GT	3.0	2.7	2.8
BEUDIN	4.0	1.0	2.5
CASTLE (RAD-FC32)	2.3	2.7	2.5
BAR FRT 5002	3.3	1.0	2.2
LSD VALUE	0.8	2.7	1.4
C.V. (%)	14.8	35.1	30.9

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21B. WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NC1	MEAN
COMPASS II (PPG-FRC 113)	2.3	7.0	4.7
BAR VV-VP3-CT	2.7	6.3	4.5
DLF-FRC 3338	2.3	6.7	4.5
PPG-FRC 114	2.0	6.7	4.3
RADAR	2.0	6.7	4.3
DLFPS-FRC/3057	1.7	6.7	4.2
BAR 6FR 126	2.0	6.0	4.0
CASCADE	1.3	6.7	4.0
RAD-FC44	2.3	5.0	3.7
DLFPS-FRC/3060	2.0	4.3	3.2
CASTLE (RAD-FC32)	2.3	2.7	2.5
LSD VALUE	0.7	2.7	1.4
C.V. (%)	22.0	28.9	31.2

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 21C. WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NC1	MEAN
CARDINAL II (PPG-FRR 111)	2.7	6.7	4.7
DLF-FRR 6162	2.7	6.7	4.7
DLFPS-FRR/3069	2.3	7.0	4.7
7C34	2.3	6.7	4.5
C14-0S3	2.0	7.0	4.5
DLFPS-FRR/3068	2.3	6.7	4.5
MARVEL	2.3	6.7	4.5
NAVIGATOR II	2.7	6.3	4.5
PST-4ED4	2.3	6.7	4.5
PST-4RUE	2.0	6.7	4.3
PST-4BEN	2.3	6.3	4.3
KENT	2.0	6.3	4.2
PST-4DR4	2.0	6.3	4.2
RAD-FR33R	2.7	5.0	3.8
RAD-FR47	2.7	5.0	3.8
BOREAL	2.7	4.7	3.7
LSD VALUE	0.8	2.5	1.3
C.V. (%)	21.1	24.5	26.4

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

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

TABLE 21D. WINTER COLOR RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NC1	MEAN
GLADIATOR (TH456)	5.3	4.7	5.0
QUATRO	4.0	4.7	4.3
MINIMUS	6.0	2.7	4.3
DLFPS-FL/3060	5.7	2.7	4.2
DLFPS-FL/3066	6.0	1.0	3.5
JETTY (PPG-FL 106)	6.0	1.0	3.5
MNHD-14	6.0	1.0	3.5
RESOLUTE (7H7)	5.7	1.0	3.3
PST-4BND	5.3	1.0	3.2
SWORD	5.3	1.0	3.2
BEACON	5.0	1.0	3.0
BEUDIN	4.0	1.0	2.5
LSD VALUE	0.8	2.8	1.5
C.V. (%)	8.8	93.4	35.6

TABLE 21E. WINTER COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NC1	MEAN
SEAMIST (PPG-FRT 101)	2.0	6.7	4.3
SEABREEZE GT	3.0	2.7	2.8
BAR FRT 5002	3.3	1.0	2.2
LSD VALUE	0.5	2.7	1.4
C.V. (%)	12.0	49.3	39.4

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 22A. DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MI1	MI2	MEAN
GLADIATOR (TH456)	6.3	7.7	7.0
BEACON	7.3	6.3	6.8
DLFPS-FL/3066	6.7	6.3	6.5
RESOLUTE (7H7)	7.7	5.3	6.5
JETTY (PPG-FL 106)	7.0	5.7	6.3
DLFPS-FL/3060	7.3	5.0	6.2
MNHD-14	6.0	6.0	6.0
SWORD	6.3	5.0	5.7
BEUDIN	5.7	5.3	5.5
COMPASS II (PPG-FRC 113)	4.0	6.7	5.3
PST-4BEN	5.7	5.0	5.3
DLFPS-FRC/3057	6.3	4.3	5.3
MINIMUS	5.7	4.7	5.2
RAD-FC44	4.7	5.7	5.2
QUATRO	5.0	5.3	5.2
DLFPS-FRC/3060	4.7	5.3	5.0
PST-4BND	5.7	4.3	5.0
SEABREEZE GT	4.7	5.3	5.0
DLF-FRC 3338	5.7	4.0	4.8
DLFPS-FRR/3068	4.7	4.7	4.7
C14-OS3	6.0	3.0	4.5
PST-4ED4	3.7	5.3	4.5
7C34	4.0	4.7	4.3
NAVIGATOR II	3.3	5.3	4.3
SEAMIST (PPG-FRT 101)	4.3	4.3	4.3
CARDINAL II (PPG-FRR 111)	3.3	5.0	4.2
PPG-FRC 114	4.7	3.7	4.2
PST-4DR4	3.7	4.7	4.2
BAR FRT 5002	5.0	2.7	3.8
PST-4RUE	3.3	4.3	3.8
RADAR	5.0	2.3	3.7
CASTLE (RAD-FC32)	3.7	3.7	3.7
DLF-FRR 6162	3.7	3.7	3.7
DLFPS-FRR/3069	3.3	3.7	3.5
RAD-FR47	3.7	3.3	3.5
BAR 6FR 126	4.7	2.0	3.3
RAD-FR33R	3.3	3.3	3.3
BAR VV-VP3-CT	3.0	3.7	3.3
MARVEL	2.3	4.3	3.3
KENT	2.3	4.0	3.2
CASCADE	2.7	3.7	3.2
BOREAL	3.0	3.0	3.0
LSD VALUE	1.6	2.8	1.6
C.V. (%)	21.3	38.1	30.5

- 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 22B. DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MI1	MI2	MEAN
COMPASS II (PPG-FRC 113)	4.0	6.7	5.3
DLFPS-FRC/3057	6.3	4.3	5.3
RAD-FC44	4.7	5.7	5.2
DLFPS-FRC/3060	4.7	5.3	5.0
DLF-FRC 3338	5.7	4.0	4.8
PPG-FRC 114	4.7	3.7	4.2
RADAR	5.0	2.3	3.7
CASTLE (RAD-FC32)	3.7	3.7	3.7
BAR 6FR 126	4.7	2.0	3.3
BAR VV-VP3-CT	3.0	3.7	3.3
CASCADE	2.7	3.7	3.2
LSD VALUE	1.8	3.9	2.2
C.V. (%)	25.0	59.4	44.3

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. DROUGHT TOLERANCE (DORMANCY) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MI1	MI2	MEAN
PST-4BEN	5.7	5.0	5.3
DLFPS-FRR/3068	4.7	4.7	4.7
C14-0S3	6.0	3.0	4.5
PST-4ED4	3.7	5.3	4.5
7C34	4.0	4.7	4.3
NAVIGATOR II	3.3	5.3	4.3
CARDINAL II (PPG-FRR 111)	3.3	5.0	4.2
PST-4DR4	3.7	4.7	4.2
PST-4RUE	3.3	4.3	3.8
DLF-FRR 6162	3.7	3.7	3.7
DLFPS-FRR/3069	3.3	3.7	3.5
RAD-FR47	3.7	3.3	3.5
RAD-FR33R	3.3	3.3	3.3
MARVEL	2.3	4.3	3.3
KENT	2.3	4.0	3.2
BOREAL	3.0	3.0	3.0
LSD VALUE	1.7	1.7	1.2
C.V. (%)	28.1	25.7	26.8

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 22D. DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MI1	MI2	MEAN
GLADIATOR (TH456)	6.3	7.7	7.0
BEACON	7.3	6.3	6.8
DLFPS-FL/3066	6.7	6.3	6.5
RESOLUTE (7H7)	7.7	5.3	6.5
JETTY (PPG-FL 106)	7.0	5.7	6.3
DLFPS-FL/3060	7.3	5.0	6.2
MNHD-14	6.0	6.0	6.0
SWORD	6.3	5.0	5.7
BEUDIN	5.7	5.3	5.5
MINIMUS	5.7	4.7	5.2
QUATRO	5.0	5.3	5.2
PST-4BND	5.7	4.3	5.0
LSD VALUE	1.5	2.5	1.5
C.V. (%)	14.3	28.3	21.6

TABLE 22E. DROUGHT TOLERANCE (DORMANCY) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MI1	MI2	MEAN
SEABREEZE GT	4.7	5.3	5.0
SEAMIST (PPG-FRT 101)	4.3	4.3	4.3
BAR FRT 5002	5.0	2.7	3.8
LSD VALUE	1.2	3.3	1.8
C.V. (%)	16.0	50.6	35.6

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 23A. LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NJ1	NJ2	MEAN
RESOLUTE (7H7)	9.0	6.0	7.5
MINIMUS	9.0	5.3	7.2
DLFPS-FL/3060	8.7	5.3	7.0
DLFPS-FL/3066	9.0	4.7	6.8
JETTY (PPG-FL 106)	9.0	4.7	6.8
MNHD-14	9.0	4.7	6.8
DLFPS-FRC/3057	8.7	4.7	6.7
GLADIATOR (TH456)	8.7	4.7	6.7
CASTLE (RAD-FC32)	8.3	4.3	6.3
RADAR	8.0	4.7	6.3
BEACON	8.7	4.0	6.3
SWORD	9.0	3.7	6.3
DLF-FRC 3338	8.0	4.3	6.2
SEAMIST (PPG-FRT 101)	8.7	3.7	6.2
PST-4BND	9.0	3.0	6.0
COMPASS II (PPG-FRC 113)	8.3	3.3	5.8
BAR 6FR 126	8.7	3.0	5.8
C14-0S3	8.7	3.0	5.8
PPG-FRC 114	8.0	3.7	5.8
BAR VV-VP3-CT	8.7	2.7	5.7
RAD-FC44	8.3	2.7	5.5
PST-4BEN	7.7	3.0	5.3
BEUDIN	8.7	2.0	5.3
DLFPS-FRR/3068	7.3	3.3	5.3
PST-4ED4	8.0	2.7	5.3
QUATRO	9.0	1.7	5.3
7C34	8.0	2.3	5.2
CARDINAL II (PPG-FRR 111)	8.0	2.3	5.2
RAD-FR47	7.0	3.0	5.0
MARVEL	6.7	3.0	4.8
DLFPS-FRC/3060	7.3	2.3	4.8
DLFPS-FRR/3069	7.0	2.7	4.8
NAVIGATOR II	7.0	2.7	4.8
BAR FRT 5002	7.7	1.7	4.7
CASCADE	8.3	1.0	4.7
DLF-FRR 6162	6.7	2.3	4.5
PST-4DR4	7.3	1.7	4.5
SEABREEZE GT	7.7	1.3	4.5
RAD-FR33R	6.0	2.3	4.2
PST-4RUE	7.0	1.0	4.0
BOREAL	6.3	1.0	3.7
KENT	5.3	1.0	3.2
LSD VALUE	1.0	2.1	1.1
C.V. (%)	7.6	41.2	18.1

- 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 23B. LEAF SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NJ1	NJ2	MEAN
DLFPS-FRC/3057	8.7	4.7	6.7
CASTLE (RAD-FC32)	8.3	4.3	6.3
RADAR	8.0	4.7	6.3
DLF-FRC 3338	8.0	4.3	6.2
COMPASS II (PPG-FRC 113)	8.3	3.3	5.8
BAR 6FR 126	8.7	3.0	5.8
PPG-FRC 114	8.0	3.7	5.8
BAR VV-VP3-CT	8.7	2.7	5.7
RAD-FC44	8.3	2.7	5.5
DLFPS-FRC/3060	7.3	2.3	4.8
CASCADE	8.3	1.0	4.7
LSD VALUE	0.9	2.4	1.3
C.V. (%)	7.0	45.2	19.7

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 23C. LEAF SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NJ1	NJ2	MEAN
C14-OS3	8.7	3.0	5.8
PST-4BEN	7.7	3.0	5.3
DLFPS-FRR/3068	7.3	3.3	5.3
PST-4ED4	8.0	2.7	5.3
7C34	8.0	2.3	5.2
CARDINAL II (PPG-FRR 111)	8.0	2.3	5.2
RAD-FR47	7.0	3.0	5.0
MARVEL	6.7	3.0	4.8
DLFPS-FRR/3069	7.0	2.7	4.8
NAVIGATOR II	7.0	2.7	4.8
DLF-FRR 6162	6.7	2.3	4.5
PST-4DR4	7.3	1.7	4.5
RAD-FR33R	6.0	2.3	4.2
PST-4RUE	7.0	1.0	4.0
BOREAL	6.3	1.0	3.7
KENT	5.3	1.0	3.2
LSD VALUE	1.3	1.8	1.1
C.V. (%)	10.9	49.1	20.7

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 23D. LEAF SPOT RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NJ1	NJ2	MEAN
RESOLUTE (7H7)	9.0	6.0	7.5
MINIMUS	9.0	5.3	7.2
DLFPS-FL/3060	8.7	5.3	7.0
DLFPS-FL/3066	9.0	4.7	6.8
JETTY (PPG-FL 106)	9.0	4.7	6.8
MNHD-14	9.0	4.7	6.8
GLADIATOR (TH456)	8.7	4.7	6.7
BEACON	8.7	4.0	6.3
SWORD	9.0	3.7	6.3
PST-4BND	9.0	3.0	6.0
BEUDIN	8.7	2.0	5.3
QUATRO	9.0	1.7	5.3
LSD VALUE	0.5	2.0	1.0
C.V. (%)	3.8	29.3	13.7

TABLE 23E. LEAF SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NJ1	NJ2	MEAN
SEAMIST (PPG-FRT 101)	8.7	3.7	6.2
BAR FRT 5002	7.7	1.7	4.7
SEABREEZE GT	7.7	1.3	4.5
LSD VALUE	0.9	2.1	1.1
C.V. (%)	7.2	58.1	19.6

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 24A. DOLLAR SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IN1	MI2	MN1	NJ1	MEAN
C14-OS3	8.3	7.3	9.0	8.3	5.3	7.7
JETTY (PPG-FL 106)	8.7	6.7	8.0	8.3	6.3	7.6
MNHD-14	7.7	8.0	7.3	8.0	6.7	7.5
BAR VV-VP3-CT	8.7	7.0	7.7	8.0	5.7	7.4
GLADIATOR (TH456)	7.3	7.5	8.0	8.0	6.0	7.4
DLFPS-FL/3066	8.7	6.3	7.0	8.3	6.0	7.3
PST-4BND	8.5	5.7	7.0	8.0	6.7	7.2
RESOLUTE (7H7)	8.3	6.7	7.0	7.7	6.0	7.1
QUATRO	8.3	6.7	8.3	7.7	4.3	7.1
DLFPS-FL/3060	8.7	6.7	6.7	7.7	5.3	7.0
SWORD	7.7	5.7	7.3	8.0	6.0	6.9
CASCADE	7.7	6.0	7.3	7.3	6.3	6.9
BEACON	7.7	6.0	6.0	8.0	6.7	6.9
DLFPS-FRC/3057	8.0	6.0	8.0	7.7	4.0	6.7
DLFPS-FRC/3060	7.7	6.7	6.0	6.3	7.0	6.7
COMPASS II (PPG-FRC 113)	8.7	5.3	8.7	6.7	4.3	6.7
RAD-FC44	8.7	6.0	7.3	6.3	5.3	6.7
DLF-FRC 3338	8.0	5.7	8.3	5.7	5.7	6.7
MINIMUS	8.0	6.0	5.3	7.3	6.7	6.7
PPG-FRC 114	8.3	5.0	8.7	6.0	4.7	6.5
BAR 6FR 126	8.0	6.0	7.3	7.7	3.3	6.5
SEAMIST (PPG-FRT 101)	8.3	7.3	5.3	6.0	4.7	6.3
CARDINAL II (PPG-FRR 111)	8.3	5.0	7.3	4.0	6.0	6.1
RADAR	7.3	6.3	7.0	6.0	3.7	6.1
CASTLE (RAD-FC32)	8.7	6.0	6.0	5.3	4.3	6.1
PST-4BEN	8.0	3.3	7.3	3.7	6.7	5.8
BAR FRT 5002	8.0	6.0	5.0	5.7	3.3	5.6
PST-4ED4	8.0	3.3	7.0	2.7	6.3	5.5
DLF-FRR 6162	7.5	2.7	7.0	3.0	6.7	5.4
PST-4DR4	8.3	4.0	6.0	2.3	6.0	5.3
7C34	8.3	4.7	3.3	4.0	6.0	5.3
PST-4RUE	8.0	3.0	7.0	2.7	5.0	5.1
SEABREEZE GT	7.7	5.5	4.0	4.7	3.7	5.1
BEUDIN	8.3	4.7	3.3	4.3	4.7	5.1
BOREAL	8.7	3.7	3.7	4.7	4.3	5.0
DLFPS-FRR/3068	8.7	3.7	3.3	2.7	5.0	4.7
DLFPS-FRR/3069	9.0	3.7	2.7	4.3	3.7	4.7
KENT	8.0	3.3	3.3	3.7	4.3	4.5
RAD-FR47	8.0	4.0	3.3	3.7	3.7	4.5
NAVIGATOR II	8.3	4.3	2.3	3.7	3.7	4.5
MARVEL	8.7	2.7	2.7	3.0	5.0	4.4
RAD-FR33R	8.0	3.7	2.7	3.7	3.3	4.3
LSD VALUE	1.3	2.0	1.4	1.2	2.2	0.8
C.V. (%)	9.4	23.0	14.6	13.4	26.5	17.0

- 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 24B. DOLLAR SPOT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IN1	MI2	MN1	NJ1	MEAN
BAR VV-VP3-CT	8.7	7.0	7.7	8.0	5.7	7.4
CASCADE	7.7	6.0	7.3	7.3	6.3	6.9
DLFPS-FRC/3057	8.0	6.0	8.0	7.7	4.0	6.7
DLFPS-FRC/3060	7.7	6.7	6.0	6.3	7.0	6.7
COMPASS II (PPG-FRC 113)	8.7	5.3	8.7	6.7	4.3	6.7
RAD-FC44	8.7	6.0	7.3	6.3	5.3	6.7
DLF-FRC 3338	8.0	5.7	8.3	5.7	5.7	6.7
PPG-FRC 114	8.3	5.0	8.7	6.0	4.7	6.5
BAR 6FR 126	8.0	6.0	7.3	7.7	3.3	6.5
RADAR	7.3	6.3	7.0	6.0	3.7	6.1
CASTLE (RAD-FC32)	8.7	6.0	6.0	5.3	4.3	6.1
LSD VALUE	1.2	2.4	1.2	1.3	1.9	0.7
C.V. (%)	8.8	24.8	10.1	11.7	24.4	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 24C. DOLLAR SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IN1	MI2	MN1	NJ1	MEAN
C14-OS3	8.3	7.3	9.0	8.3	5.3	7.7
CARDINAL II (PPG-FRR 111)	8.3	5.0	7.3	4.0	6.0	6.1
PST-4BEN	8.0	3.3	7.3	3.7	6.7	5.8
PST-4ED4	8.0	3.3	7.0	2.7	6.3	5.5
DLF-FRR 6162	7.5	2.7	7.0	3.0	6.7	5.4
PST-4DR4	8.3	4.0	6.0	2.3	6.0	5.3
7C34	8.3	4.7	3.3	4.0	6.0	5.3
PST-4RUE	8.0	3.0	7.0	2.7	5.0	5.1
BOREAL	8.7	3.7	3.7	4.7	4.3	5.0
DLFPS-FRR/3068	8.7	3.7	3.3	2.7	5.0	4.7
DLFPS-FRR/3069	9.0	3.7	2.7	4.3	3.7	4.7
KENT	8.0	3.3	3.3	3.7	4.3	4.5
RAD-FR47	8.0	4.0	3.3	3.7	3.7	4.5
NAVIGATOR II	8.3	4.3	2.3	3.7	3.7	4.5
MARVEL	8.7	2.7	2.7	3.0	5.0	4.4
RAD-FR33R	8.0	3.7	2.7	3.7	3.3	4.3
LSD VALUE	0.9	2.2	1.6	1.3	1.8	0.7
C.V. (%)	6.3	33.9	20.3	22.1	22.3	19.3

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 24D. DOLLAR SPOT RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/						
NAME	CT1	IN1	MI2	MN1	NJ1	MEAN
JETTY (PPG-FL 106)	8.7	6.7	8.0	8.3	6.3	7.6
MNHD-14	7.7	8.0	7.3	8.0	6.7	7.5
GLADIATOR (TH456)	7.3	7.5	8.0	8.0	6.0	7.4
DLFPS-FL/3066	8.7	6.3	7.0	8.3	6.0	7.3
PST-4BND	8.5	5.7	7.0	8.0	6.7	7.2
RESOLUTE (7H7)	8.3	6.7	7.0	7.7	6.0	7.1
QUATRO	8.3	6.7	8.3	7.7	4.3	7.1
DLFPS-FL/3060	8.7	6.7	6.7	7.7	5.3	7.0
SWORD	7.7	5.7	7.3	8.0	6.0	6.9
BEACON	7.7	6.0	6.0	8.0	6.7	6.9
MINIMUS	8.0	6.0	5.3	7.3	6.7	6.7
BEUDIN	8.3	4.7	3.3	4.3	4.7	5.1
LSD VALUE	1.7	1.3	1.2	1.1	2.9	0.8
C.V. (%)	12.8	12.4	11.3	8.8	30.2	15.7

TABLE 24E. DOLLAR SPOT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/						
NAME	CT1	IN1	MI2	MN1	NJ1	MEAN
SEAMIST (PPG-FRT 101)	8.3	7.3	5.3	6.0	4.7	6.3
BAR FRT 5002	8.0	6.0	5.0	5.7	3.3	5.6
SEABREEZE GT	7.7	5.5	4.0	4.7	3.7	5.1
LSD VALUE	1.2	1.4	1.9	1.2	2.1	0.7
C.V. (%)	9.3	12.7	25.2	13.7	33.2	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 25A. RED THREAD RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	MD1	MI1	MI2	MN2	MEAN
GLADIATOR (TH456)	9.0	9.0	8.0	8.3	8.3	8.5
JETTY (PPG-FL 106)	9.0	8.0	8.0	8.3	8.0	8.3
BEACON	9.0	8.0	8.0	7.7	8.7	8.3
RESOLUTE (7H7)	9.0	8.3	7.0	7.7	8.7	8.1
DLFPS-FL/3060	9.0	7.3	7.3	8.0	8.7	8.1
DLFPS-FL/3066	8.7	8.7	8.0	7.3	7.7	8.1
MNHD-14	9.0	7.7	7.3	8.3	8.0	8.1
PST-4BND	9.0	8.7	7.7	8.0	7.0	8.1
CARDINAL II (PPG-FRR 111)	9.0	8.0	7.3	7.7	7.7	7.9
MINIMUS	9.0	7.7	7.3	8.0	7.3	7.9
QUATRO	9.0	7.7	6.3	8.3	8.0	7.9
PST-4BEN	9.0	8.0	7.0	8.0	6.7	7.7
SWORD	9.0	7.0	7.3	8.0	7.3	7.7
PPG-FRC 114	9.0	8.0	7.0	6.0	8.0	7.6
PST-4RUE	9.0	8.0	6.3	8.3	6.3	7.6
C14-OS3	9.0	7.0	7.3	6.0	8.3	7.5
DLF-FRR 6162	9.0	7.0	6.3	8.3	7.0	7.5
RADAR	9.0	8.7	6.0	6.0	8.0	7.5
BAR FRT 5002	9.0	8.3	6.0	7.0	7.0	7.5
PST-4ED4	8.7	8.0	7.0	8.0	5.7	7.5
COMPASS II (PPG-FRC 113)	9.0	7.3	6.0	6.0	8.7	7.4
DLF-FRC 3338	8.7	7.3	6.7	5.7	8.0	7.3
DLFPS-FRR/3068	9.0	7.3	5.7	8.0	5.7	7.1
CASTLE (RAD-FC32)	9.0	7.3	6.7	5.3	6.7	7.0
DLFPS-FRC/3057	9.0	6.7	6.3	5.7	7.3	7.0
BAR 6FR 126	9.0	7.0	6.3	5.0	7.3	6.9
DLFPS-FRR/3069	9.0	5.3	6.0	7.0	7.3	6.9
CASCADE	9.0	7.3	4.7	7.0	6.3	6.9
RAD-FC44	9.0	6.0	6.0	6.0	7.3	6.9
BEUDIN	8.7	8.0	5.3	6.3	6.0	6.9
BOREAL	9.0	5.7	6.0	6.7	6.7	6.8
7C34	9.0	6.0	6.3	6.3	6.0	6.7
BAR VV-VP3-CT	9.0	7.3	5.0	5.3	6.7	6.7
SEAMIST (PPG-FRT 101)	9.0	6.7	5.3	5.3	7.0	6.7
MARVEL	9.0	6.3	6.0	6.0	5.7	6.6
PST-4DR4	9.0	5.3	5.3	7.0	6.3	6.6
DLFPS-FRC/3060	9.0	6.0	5.3	5.3	7.0	6.5
RAD-FR33R	8.7	6.3	4.3	7.3	6.0	6.5
RAD-FR47	9.0	7.3	5.0	6.3	5.0	6.5
SEABREEZE GT	9.0	5.0	5.7	5.7	7.0	6.5
KENT	9.0	4.7	4.7	7.0	5.3	6.1
NAVIGATOR II	9.0	4.0	4.0	6.3	6.0	5.9
LSD VALUE	0.3	1.9	1.6	1.3	2.2	0.7
C.V. (%)	2.2	16.8	16.0	11.5	18.9	13.6

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 25B. RED THREAD RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	MD1	MI1	MI2	MN2	MEAN
PPG-FRC 114	9.0	8.0	7.0	6.0	8.0	7.6
RADAR	9.0	8.7	6.0	6.0	8.0	7.5
COMPASS II (PPG-FRC 113)	9.0	7.3	6.0	6.0	8.7	7.4
DLF-FRC 3338	8.7	7.3	6.7	5.7	8.0	7.3
CASTLE (RAD-FC32)	9.0	7.3	6.7	5.3	6.7	7.0
DLFPS-FRC/3057	9.0	6.7	6.3	5.7	7.3	7.0
BAR 6FR 126	9.0	7.0	6.3	5.0	7.3	6.9
CASCADE	9.0	7.3	4.7	7.0	6.3	6.9
RAD-FC44	9.0	6.0	6.0	6.0	7.3	6.9
BAR VV-VP3-CT	9.0	7.3	5.0	5.3	6.7	6.7
DLFPS-FRC/3060	9.0	6.0	5.3	5.3	7.0	6.5
LSD VALUE	0.3	2.1	1.7	1.3	2.1	0.7
C.V. (%)	1.9	18.0	18.1	13.5	17.5	14.4

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

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

TABLE 25C. RED THREAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	MD1	MI1	MI2	MN2	MEAN
CARDINAL II (PPG-FRR 111)	9.0	8.0	7.3	7.7	7.7	7.9
PST-4BEN	9.0	8.0	7.0	8.0	6.7	7.7
PST-4RUE	9.0	8.0	6.3	8.3	6.3	7.6
C14-OS3	9.0	7.0	7.3	6.0	8.3	7.5
DLF-FRR 6162	9.0	7.0	6.3	8.3	7.0	7.5
PST-4ED4	8.7	8.0	7.0	8.0	5.7	7.5
DLFPS-FRR/3068	9.0	7.3	5.7	8.0	5.7	7.1
DLFPS-FRR/3069	9.0	5.3	6.0	7.0	7.3	6.9
BOREAL	9.0	5.7	6.0	6.7	6.7	6.8
7C34	9.0	6.0	6.3	6.3	6.0	6.7
MARVEL	9.0	6.3	6.0	6.0	5.7	6.6
PST-4DR4	9.0	5.3	5.3	7.0	6.3	6.6
RAD-FR33R	8.7	6.3	4.3	7.3	6.0	6.5
RAD-FR47	9.0	7.3	5.0	6.3	5.0	6.5
KENT	9.0	4.7	4.7	7.0	5.3	6.1
NAVIGATOR II	9.0	4.0	4.0	6.3	6.0	5.9
LSD VALUE	0.3	2.0	1.9	1.3	2.5	0.8
C.V. (%)	2.3	18.7	19.8	11.4	24.5	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 25D. RED THREAD RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	MD1	MI1	MI2	MN2	MEAN
GLADIATOR (TH456)	9.0	9.0	8.0	8.3	8.3	8.5
JETTY (PPG-FL 106)	9.0	8.0	8.0	8.3	8.0	8.3
BEACON	9.0	8.0	8.0	7.7	8.7	8.3
RESOLUTE (7H7)	9.0	8.3	7.0	7.7	8.7	8.1
DLFPS-FL/3060	9.0	7.3	7.3	8.0	8.7	8.1
DLFPS-FL/3066	8.7	8.7	8.0	7.3	7.7	8.1
MNHD-14	9.0	7.7	7.3	8.3	8.0	8.1
PST-4BND	9.0	8.7	7.7	8.0	7.0	8.1
MINIMUS	9.0	7.7	7.3	8.0	7.3	7.9
QUATRO	9.0	7.7	6.3	8.3	8.0	7.9
SWORD	9.0	7.0	7.3	8.0	7.3	7.7
BEUDIN	8.7	8.0	5.3	6.3	6.0	6.9
LSD VALUE	0.4	1.3	1.0	1.2	1.7	0.5
C.V. (%)	2.6	10.4	8.2	9.5	13.5	9.3

TABLE 25E. RED THREAD RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	MD1	MI1	MI2	MN2	MEAN
BAR FRT 5002	9	8.3	6.0	7.0	7.0	7.5
SEAMIST (PPG-FRT 101)	9	6.7	5.3	5.3	7.0	6.7
SEABREEZE GT	9	5.0	5.7	5.7	7.0	6.5
LSD VALUE	0	2.9	1.8	1.5	2.1	0.9
C.V. (%)	0	26.9	19.5	15.7	18.4	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 26A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1
BAR FRT 5002	7.0
DLFPS-FL/3060	6.0
NAVIGATOR II	6.0
DLF-FRC 3338	5.7
PPG-FRC 114	5.7
DLFPS-FRR/3069	5.5
RAD-FC44	5.5
7C34	5.3
C14-OS3	5.3
CARDINAL II (PPG-FRR 111)	5.0
CASTLE (RAD-FC32)	5.0
COMPASS II (PPG-FRC 113)	5.0
DLFPS-FRC/3057	5.0
GLADIATOR (TH456)	5.0
PST-4BEN	5.0
PST-4DR4	5.0
PST-4ED4	5.0
RADAR	5.0
DLFPS-FRR/3068	4.7
KENT	4.7
MARVEL	4.7
PST-4RUE	4.7
BAR VV-VP3-CT	4.3
SEAMIST (PPG-FRT 101)	4.3
BAR 6FR 126	4.0
BEACON	4.0
BOREAL	4.0
DLF-FRR 6162	4.0
MINIMUS	4.0
RAD-FR33R	4.0
SEABREEZE GT	4.0
SWORD	4.0
BEUDIN	3.7
RAD-FR47	3.5
DLFPS-FRC/3060	3.3
CASCADE	3.0
DLFPS-FL/3066	3.0
QUATRO	3.0
LSD VALUE	1.5
C.V. (%)	17.1

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 26B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1
DLF-FRC 3338	5.7
PPG-FRC 114	5.7
RAD-FC44	5.5
CASTLE (RAD-FC32)	5.0
COMPASS II (PPG-FRC 113)	5.0
DLFPS-FRC/3057	5.0
RADAR	5.0
BAR VV-VP3-CT	4.3
BAR 6FR 126	4.0
DLFPS-FRC/3060	3.3
CASCADE	3.0
LSD VALUE	1.0
C.V. (%)	12.8

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

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

TABLE 26C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1
NAVIGATOR II	6.0
DLFPS-FRR/3069	5.5
7C34	5.3
C14-OS3	5.3
CARDINAL II (PPG-FRR 111)	5.0
PST-4BEN	5.0
PST-4DR4	5.0
PST-4ED4	5.0
DLFPS-FRR/3068	4.7
KENT	4.7
MARVEL	4.7
PST-4RUE	4.7
BOREAL	4.0
DLF-FRR 6162	4.0
RAD-FR33R	4.0
RAD-FR47	3.5
LSD VALUE	1.5
C.V. (%)	18.4

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

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

TABLE 26D. BROWN PATCH (WARM TEMPERATURE) RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1
DLFPS-FL/3060	6.0
GLADIATOR (TH456)	5.0
BEACON	4.0
MINIMUS	4.0
SWORD	4.0
BEUDIN	3.7
DLFPS-FL/3066	3.0
QUATRO	3.0
LSD VALUE	2.0
C.V. (%)	21.6

TABLE 26E. BROWN PATCH (WARM TEMPERATURE) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1
BAR FRT 5002	7.0
SEAMIST (PPG-FRT 101)	4.3
SEABREEZE GT	4.0
LSD VALUE	1.7
C.V. (%)	16.0

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

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

TABLE 27A. SUMMER PATCH RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NJ1	MEAN
JETTY (PPG-FL 106)	8.7	7.0	7.8
RESOLUTE (7H7)	8.7	6.7	7.7
MINIMUS	8.0	6.7	7.3
DLFPS-FL/3066	8.7	6.0	7.3
MNHD-14	8.3	6.0	7.2
DLFPS-FL/3060	8.7	5.7	7.2
GLADIATOR (TH456)	8.0	6.3	7.2
SWORD	8.0	6.0	7.0
COMPASS II (PPG-FRC 113)	7.7	5.7	6.7
DLF-FRC 3338	7.7	5.7	6.7
BEACON	8.0	5.3	6.7
C14-OS3	7.3	6.0	6.7
CARDINAL II (PPG-FRR 111)	4.3	8.7	6.5
PPG-FRC 114	7.0	6.0	6.5
DLFPS-FRC/3057	7.0	5.7	6.3
PST-4ED4	5.0	7.7	6.3
PST-4BEN	4.7	7.7	6.2
PST-4BND	7.7	4.7	6.2
RADAR	6.3	5.3	5.8
DLFPS-FRR/3068	5.3	5.7	5.5
DLF-FRR 6162	3.0	7.7	5.3
7C34	3.3	7.3	5.3
PST-4RUE	4.0	6.3	5.2
QUATRO	4.3	5.7	5.0
DLFPS-FRC/3060	3.3	6.3	4.8
PST-4DR4	3.3	6.3	4.8
SEAMIST (PPG-FRT 101)	5.3	2.7	4.0
RAD-FR47	2.7	4.7	3.7
BAR VV-VP3-CT	3.7	3.3	3.5
NAVIGATOR II	2.0	5.0	3.5
RAD-FC44	3.3	3.7	3.5
RAD-FR33R	3.0	4.0	3.5
CASTLE (RAD-FC32)	3.3	3.3	3.3
DLFPS-FRR/3069	2.7	4.0	3.3
MARVEL	3.0	3.7	3.3
CASCADE	2.3	4.0	3.2
BEUDIN	3.3	2.0	2.7
KENT	2.3	3.0	2.7
BOREAL	2.3	2.7	2.5
SEABREEZE GT	3.0	1.3	2.2
BAR 6FR 126	2.7	1.3	2.0
BAR FRT 5002	2.7	1.3	2.0
LSD VALUE	1.1	1.7	1.0
C.V. (%)	13.4	21.0	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 27B. SUMMER PATCH RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NJ1	MEAN
COMPASS II (PPG-FRC 113)	7.7	5.7	6.7
DLF-FRC 3338	7.7	5.7	6.7
PPG-FRC 114	7.0	6.0	6.5
DLFPS-FRC/3057	7.0	5.7	6.3
RADAR	6.3	5.3	5.8
DLFPS-FRC/3060	3.3	6.3	4.8
BAR VV-VP3-CT	3.7	3.3	3.5
RAD-FC44	3.3	3.7	3.5
CASTLE (RAD-FC32)	3.3	3.3	3.3
CASCADE	2.3	4.0	3.2
BAR 6FR 126	2.7	1.3	2.0
LSD VALUE	1.5	1.7	1.2
C.V. (%)	19.3	23.8	21.5

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 27C. SUMMER PATCH RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NJ1	MEAN
C14-OS3	7.3	6.0	6.7
CARDINAL II (PPG-FRR 111)	4.3	8.7	6.5
PST-4ED4	5.0	7.7	6.3
PST-4BEN	4.7	7.7	6.2
DLFPS-FRR/3068	5.3	5.7	5.5
DLF-FRR 6162	3.0	7.7	5.3
7C34	3.3	7.3	5.3
PST-4RUE	4.0	6.3	5.2
PST-4DR4	3.3	6.3	4.8
RAD-FR47	2.7	4.7	3.7
NAVIGATOR II	2.0	5.0	3.5
RAD-FR33R	3.0	4.0	3.5
DLFPS-FRR/3069	2.7	4.0	3.3
MARVEL	3.0	3.7	3.3
KENT	2.3	3.0	2.7
BOREAL	2.3	2.7	2.5
LSD VALUE	0.9	1.9	1.0
C.V. (%)	15.8	20.6	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 27D. SUMMER PATCH RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NJ1	MEAN
JETTY (PPG-FL 106)	8.7	7.0	7.8
RESOLUTE (7H7)	8.7	6.7	7.7
MINIMUS	8.0	6.7	7.3
DLFPS-FL/3066	8.7	6.0	7.3
MNHD-14	8.3	6.0	7.2
DLFPS-FL/3060	8.7	5.7	7.2
GLADIATOR (TH456)	8.0	6.3	7.2
SWORD	8.0	6.0	7.0
BEACON	8.0	5.3	6.7
PST-4BND	7.7	4.7	6.2
QUATRO	4.3	5.7	5.0
BEUDIN	3.3	2.0	2.7
LSD VALUE	0.8	1.6	0.9
C.V. (%)	6.3	17.9	12.0

TABLE 27E. SUMMER PATCH RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NJ1	MEAN
SEAMIST (PPG-FRT 101)	5.3	2.7	4.0
SEABREEZE GT	3.0	1.3	2.2
BAR FRT 5002	2.7	1.3	2.0
LSD VALUE	1.2	0.9	0.8
C.V. (%)	20.3	32.5	24.5

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

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

TABLE 28A. CHINCH BUG RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ1
CARDINAL II (PPG-FRR 111)	9.0
DLF-FRR 6162	9.0
PST-4BEN	9.0
PST-4ED4	9.0
RESOLUTE (7H7)	8.7
GLADIATOR (TH456)	8.3
JETTY (PPG-FL 106)	8.0
SWORD	8.0
7C34	7.7
PST-4RUE	7.7
DLFPS-FRC/3057	7.3
PST-4DR4	7.3
QUATRO	7.3
COMPASS II (PPG-FRC 113)	7.0
DLFPS-FL/3066	6.7
MINIMUS	6.7
C14-OS3	6.3
RADAR	6.3
DLF-FRC 3338	6.0
MNHD-14	6.0
DLFPS-FL/3060	5.7
DLFPS-FRC/3060	5.7
PPG-FRC 114	5.3
BEACON	4.7
NAVIGATOR II	4.7
PST-4BND	4.7
RAD-FR47	4.7
CASCADE	4.3
BAR VV-VP3-CT	4.0
DLFPS-FRR/3068	4.0
BOREAL	3.3
DLFPS-FRR/3069	3.0
MARVEL	3.0
KENT	2.7
RAD-FC44	2.3
RAD-FR33R	2.3
BEUDIN	2.0
CASTLE (RAD-FC32)	2.0
SEAMIST (PPG-FRT 101)	1.7
BAR FRT 5002	1.3
SEABREEZE GT	1.3
BAR 6FR 126	1.0
LSD VALUE	3.3
C.V. (%)	38.6

- 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 28B. CHINCH BUG RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ1
DLFPS-FRC/3057	7.3
COMPASS II (PPG-FRC 113)	7.0
RADAR	6.3
DLF-FRC 3338	6.0
DLFPS-FRC/3060	5.7
PPG-FRC 114	5.3
CASCADE	4.3
BAR VV-VP3-CT	4.0
RAD-FC44	2.3
CASTLE (RAD-FC32)	2.0
BAR 6FR 126	1.0
LSD VALUE	4.1
C.V. (%)	54.1

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 28C. CHINCH BUG RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ1
CARDINAL II (PPG-FRR 111)	9.0
DLF-FRR 6162	9.0
PST-4BEN	9.0
PST-4ED4	9.0
7C34	7.7
PST-4RUE	7.7
PST-4DR4	7.3
C14-OS3	6.3
NAVIGATOR II	4.7
RAD-FR47	4.7
DLFPS-FRR/3068	4.0
BOREAL	3.3
DLFPS-FRR/3069	3.0
MARVEL	3.0
KENT	2.7
RAD-FR33R	2.3
LSD VALUE	3.0
C.V. (%)	32.6

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 28D. CHINCH BUG RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ1
RESOLUTE (7H7)	8.7
GLADIATOR (TH456)	8.3
JETTY (PPG-FL 106)	8.0
SWORD	8.0
QUATRO	7.3
DLFPS-FL/3066	6.7
MINIMUS	6.7
MNHD-14	6.0
DLFPS-FL/3060	5.7
BEACON	4.7
PST-4BND	4.7
BEUDIN	2.0
LSD VALUE	3.3
C.V. (%)	32.2

TABLE 28E. CHINCH BUG RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA

CHINCH BUG DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ1
SEAMIST (PPG-FRT 101)	1.7
BAR FRT 5002	1.3
SEABREEZE GT	1.3
LSD VALUE	1.3
C.V. (%)	56.5

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 29A. PERCENT POA ANNUA RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2016 DATA 2/

NAME	IN1
PST-4BND	19.7
QUATRO	15.3
BEACON	14.3
PST-4RUE	14.0
JETTY (PPG-FL 106)	12.7
BAR 6FR 126	10.7
DLFPS-FL/3066	10.7
MINIMUS	10.7
RAD-FR33R	10.3
BAR VV-VP3-CT	10.0
PST-4BEN	10.0
SWORD	10.0
BEUDIN	9.7
DLF-FRR 6162	9.7
DLFPS-FL/3060	9.7
RAD-FR47	9.3
7C34	8.3
RESOLUTE (7H7)	8.0
BAR FRT 5002	7.7
RAD-FC44	7.7
MNHD-14	7.5
DLFPS-FRR/3068	7.0
GLADIATOR (TH456)	7.0
PST-4ED4	6.7
CASTLE (RAD-FC32)	6.3
MARVEL	6.3
PPG-FRC 114	6.3
RADAR	6.3
PST-4DR4	6.0
COMPASS II (PPG-FRC 113)	5.7
DLFPS-FRC/3057	5.7
BOREAL	5.3
CARDINAL II (PPG-FRR 111)	5.3
DLFPS-FRR/3069	5.3
KENT	5.3
CASCADE	5.0
DLF-FRC 3338	4.7
DLFPS-FRC/3060	3.7
NAVIGATOR II	3.0
C14-OS3	2.3
SEAMIST (PPG-FRT 101)	1.3
SEABREEZE GT	1.0
LSD VALUE	10.2
C.V. (%)	78.3

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 29B. PERCENT POA ANNUA RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2016 DATA 2/

NAME	IN1
BAR 6FR 126	10.7
BAR VV-VP3-CT	10.0
RAD-FC44	7.7
CASTLE (RAD-FC32)	6.3
PPG-FRC 114	6.3
RADAR	6.3
COMPASS II (PPG-FRC 113)	5.7
DLFPS-FRC/3057	5.7
CASCADE	5.0
DLF-FRC 3338	4.7
DLFPS-FRC/3060	3.7
LSD VALUE	10.6
C.V. (%)	100.6

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 29C. PERCENT POA ANNUA RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2016 DATA 2/

NAME	IN1
PST-4RUE	14.0
RAD-FR33R	10.3
PST-4BEN	10.0
DLF-FRR 6162	9.7
RAD-FR47	9.3
7C34	8.3
DLFPS-FRR/3068	7.0
PST-4ED4	6.7
MARVEL	6.3
PST-4DR4	6.0
BOREAL	5.3
CARDINAL II (PPG-FRR 111)	5.3
DLFPS-FRR/3069	5.3
KENT	5.3
NAVIGATOR II	3.0
C14-OS3	2.3
LSD VALUE	8.7
C.V. (%)	75.7

- 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 29D. PERCENT POA ANNUA RATINGS OF HARD AND SHEEP FESCUE CULTIVARS 1/
2016 DATA 2/

NAME	IN1
PST-4BND	19.7
QUATRO	15.3
BEACON	14.3
JETTY (PPG-FL 106)	12.7
DLFPS-FL/3066	10.7
MINIMUS	10.7
SWORD	10.0
BEUDIN	9.7
DLFPS-FL/3060	9.7
RESOLUTE (7H7)	8.0
MNHD-14	7.5
GLADIATOR (TH456)	7.0
LSD VALUE	12.0
C.V. (%)	62.6

TABLE 29E. PERCENT POA ANNUA RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2016 DATA 2/

NAME	IN1
BAR FRT 5002	7.7
SEAMIST (PPG-FRT 101)	1.3
SEABREEZE GT	1.0

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.

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR FINELEAF FESCUE CULTIVARS */
2016 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
7C34	5.1	41.7
BAR 6FR 126	4.5	25.0
BAR FRT 5002	3.9	0.0
BAR VV-VP3-CT	4.5	8.3
BEACON	5.2	41.7
BEUDIN	4.1	8.3
BOREAL	3.9	8.3
C14-OS3	5.6	33.3
CARDINAL II (PPG-FRR 111)	5.1	33.3
CASCADE	4.6	8.3
CASTLE (RAD-FC32)	4.8	33.3
COMPASS II (PPG-FRC 113)	5.5	50.0
DLF-FRC 3338	5.4	25.0
DLF-FRR 6162	5.0	33.3
DLFPS-FL/3060	5.2	50.0
DLFPS-FL/3066	5.3	50.0
DLFPS-FRC/3057	5.4	41.7
DLFPS-FRC/3060	4.9	25.0
DLFPS-FRR/3068	4.7	0.0
DLFPS-FRR/3069	4.4	8.3
GLADIATOR (TH456)	5.5	75.0
JETTY (PPG-FL 106)	5.2	41.7
KENT	4.3	8.3
MARVEL	4.5	8.3
MINIMUS	5.2	50.0
MNHD-14	5.2	50.0
NAVIGATOR II	4.5	8.3
PPG-FRC 114	5.3	25.0
PST-4BEN	5.1	25.0
PST-4BND	4.9	33.3
PST-4DR4	4.7	8.3
PST-4ED4	4.6	8.3
PST-4RUE	4.8	16.7
QUATRO	4.6	16.7
RAD-FC44	4.7	16.7
RAD-FR33R	4.4	0.0
RAD-FR47	4.5	0.0
RADAR	5.5	33.3
RESOLUTE (7H7)	5.4	66.7
SEABREEZE GT	4.2	8.3
SEAMIST (PPG-FRT 101)	4.7	0.0
SWORD	5.1	33.3
LSD VALUE	0.3	
C.V. (%)	11.2	

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