

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, one member from the Sports Turf Managers Association of America (STMA), 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>.

**2020 NATIONAL FINELEAF FESCUE TEST
LOCATIONS SUBMITTING DATA FOR 2021**

State	Location	Code
Colorado	Ft. Collins (Salt Tolerance)	CO1
Connecticut	Storrs	CT1
Delaware	Newark (Shade)	DE1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Iowa	Ames (Shade)	IA2
Kansas	Manhattan	KS1
Massachusetts	Amherst (Traffic Tolerance)	MA1
Maryland	College Park	MD1
Michigan	East Lansing _____	MI1
Michigan	East Lansing _____	MI2
Minnesota	St. Paul (Fairway Mowing) _____	MN2
Minnesota	St. Paul	MN1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
Oregon	Corvallis	OR1
Pennsylvania	Kennett Square	PA2
Quebec	Quebec City	QE1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Wisconsin	Madison	WI1

**2020 NATIONAL FINELEAF FESCUE TEST
Entries and Sponsors**

Entry No	Name	Species	Sponsor
*1	Gladiator	Hard Fescue	Standard Entry
*2	Seabreeze GT	Slender Creeping Red	Standard Entry
3	SPHD-20	Hard Fescue	University of Minnesota
4	DLFPS-FL-3104	Hard Fescue	DLF Pickseed USA
*5	Quatro	Sheep Fescue	Standard Entry
*6	Resolute	Hard Fescue	SiteOne Landscape Supply
*7	Brittany 2	Chewings Fescue	SiteOne Landscape Supply
*8	Foxfire 2	Strong Creeping Red	SiteOne Landscape Supply
9	BAR FRC 123	Chewings Fescue	Barenbrug USA
10	BAR FO 131	Sheep Fescue	Barenbrug USA
11	BAR FRL 122	Slender Creeping Red	Barenbrug USA
12	BAR FT 135	Hard Fescue	Barenbrug USA
13	BAR FT 132	Hard Fescue	Barenbrug USA
14	BAR FRC 130	Chewings Fescue	Barenbrug USA
*15	Kevin	Strong Creeping Red	The Scotts Company, LLC.
16	RAD-FC59	Chewings Fescue	The Scotts Company, LLC.
*17	Jamestown VII	Chewings Fescue	The Scotts Company, LLC.
18	NAI-CHU1	Chewings Fescue	Columbia River Seed
*19	Sword II (NAI-HAQ1+2)	Hard Fescue	Columbia River Seed
*20	Tenacious (NAI-HTB2)	Hard Fescue	Columbia River Seed
21	RAD-FR64	Strong Creeping Red	Lewis Seed Co.
22	5Z2	Strong Creeping Red	The Scotts Company, LLC.
23	STB1	Strong Creeping Red	The Scotts Company, LLC.
24	5Z5	Strong Creeping Red	The Scotts Company, LLC.
25	BYE	Strong Creeping Red	Brett Young Seed LTD
26	DLF-FRR-3128	Strong Creeping Red	DLF Pickseed USA
*27	Boreal	Strong Creeping Red	Standard Entry
28	PPG-FRC-130	Chewings Fescue	Peak Plant Genetics, LLC.
*29	Compass II	Chewings Fescue	Standard Entry
30	PPG-FRR-134	Strong Creeping Red	Peak Plant Genetics, LLC.
*31	Cardinal II	Strong Creeping Red	Standard Entry
32	DLFPS-FRC-3105	Chewings Fescue	DLF Pickseed USA
*33	Blue Hornet (PPG-FO-102)	Sheep Fescue	Mountain View Seeds
34	PPG-FRC 127	Chewings Fescue	Mountain View Seeds
35	PPG-FRR 132	Strong Creeping Red	Mountain View Seeds
36	PPG-FL 128	Hard Fescue	Mountain View Seeds
37	PPG-FRR 127	Strong Creeping Red	Mountain View Seeds
38	DA5-RHF	Hard Fescue	Blue Mt. Seeds, Inc.
39	PST-4SWTM	Chewings Fescue	Pure-Seed Testing
*40	Shadow IV (PST-4SHAD)	Chewings Fescue	Pure-Seed Testing
41	PVF-PDB-2020	Hard Fescue	Lebanon Seaboard Corp.
42	PVF-HSY+	Strong Creeping Red	Lebanon Seaboard Corp.
43	PVF-MVP-2020	Chewings Fescue	Lebanon Seaboard Corp.

* Commercially Available in the USA or any other Country in 2022

TABLE A.

2021 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2020 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
CO1	SANDY CLAY LOAM	7.6-8.5	-	-	-	FULL SUN	1.1-1.5	-
CT1	SANDY LOAM	6.1-6.5	61-150	151-240	-	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
DE1	-	-	-	-	-	-	-	-
IA1	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
IA2	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KS1	SILTY CLAY LOAM	6.6-7.0	0-60	241-375	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
MA1	SILT LOAM AND SILT	5.6-6.0	151-270	241-375	1.1-2.0	FULL SUN	3.1-3.5	NO IRRIGATION
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	3.6-4.0	NO IRRIGATION
MI1	-	-	-	-	-	-	-	-
MI2	-	-	-	-	-	-	-	-
MN1	SILTY CLAY LOAM	6.1-6.5	61-150	241-375	0.0-1.0	FULL SUN	2.1-2.5	NO IRRIGATION
MN2	SILTY CLAY LOAM	6.6-7.0	61-150	241-375	0.0-1.0	FULL SUN	0.0-0.5	NO IRRIGATION
NC1	SANDY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	151-270	151-240	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
PA2	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	0.0-1.0	FULL SUN	2.6-3.0	NO IRRIGATION
QE1	-	-	-	-	-	-	-	-
UT1	SILT LOAM AND SILT	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS
VA1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	1.1-2.0	LIGHT SHADE	2.6-3.0	TO PREVENT DORMANCY
WA1	SILT LOAM AND SILT	5.6-6.0	61-150	501+	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR
CO1				X	X	X	X						X	X	X	
CT1				X	X	X	X	X	X	X	X		X			
DE1					X	X	X	X	X	X	X	X				
IA1				X	X	X	X	X	X	X	X		X	X		
IA2				X	X	X	X	X	X	X	X		X	X		
IN1						X										X
KS1				X	X	X	X	X	X	X						
MA1				X	X	X	X	X	X	X	X					
MD1						X	X	X	X	X	X	X				
MI1						X	X	X	X	X						
MI2						X	X	X	X	X						
MN1					X	X	X	X	X	X			X			
MN2					X	X	X	X	X	X			X			
NC1	X	X	X	X	X	X	X	X	X	X	X		X		X	X
NJ1				X	X	X	X	X	X	X			X	X		
NJ2				X	X	X	X	X	X	X	X		X			X
OR1				X	X	X	X	X	X	X	X		X			X
PA2			X	X	X	X	X	X	X	X	X		X	X		X
QE1							X		X	X			X			
UT1				X	X	X	X	X	X	X			X			
VA1				X	X	X	X	X	X	X						
WA1						X	X	X	X	X						
WI1					X	X	X	X	X	X	X					X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	LEAF SPOT	DOLLAR SPOT	WHITE GRUB	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER
CO1		X												X
CT1			X											
DE1														
IA1	X	X	X	X	X	X						X	X	X
IA2	X	X	X							X		X	X	X
IN1														
KS1														
MA1														
MD1														
MI1														
MI2														
MN1			X			X								
MN2			X			X								
NC1	X	X	X	X	X	X	X							
NJ1									X					
NJ2			X			X								
OR1														
PA2		X		X	X	X	X							
QE1		X			X									
UT1														
VA1				X							X			
WA1			X		X	X		X						
WI1														

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	SEEDHEAD RATINGS	POA ANNUA	MOWING QUALITY	PERCENT ESTABLISHMENT	MORE ESTABLISHMENT DATA	MORE PERCENT WEEDS	PERCENT PYTHIUM BLIGHT	QUALITY NOVEMBER 2020	MORE SEEDHEAD RATING
CO1 CT1 DE1			X						
* IA1 IA2 IN1		X							
KS1 * MA1 MD1	X			X					X
MI1 MI2 MN1									
MN2 NC1 NJ1				X	X	X		X	
NJ2 OR1 PA2					X		X	X	
QE1 UT1 VA1				X	X				
WA1 WI1								X	

* MORE DATA FOR IA2 AND MA1 IN TABLE 12 AND 9.

TABLE 1A.

TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2021 DATA

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

NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
PPG-FL 128	36	6.1	7.7	6.6	6.2	7.1	6.8
DLFPS-FL-3104	4	5.7	7.4	6.3	5.8	6.8	6.4
PVF-PDB-2020	41	5.6	7.5	6.4	5.8	6.6	6.4
* TENACIOUS (NAI-HTB2)	20	5.5	7.4	6.3	5.7	6.6	6.3
PPG-FRC-130	28	5.2	7.7	6.5	5.6	6.5	6.3
* SWORD II (NAI-HAQ1+2)	19	5.6	7.2	6.0	5.6	6.9	6.2
* BRITTANY 2	7	5.1	7.5	6.4	5.5	6.6	6.2
SPHD-20	3	5.5	7.2	6.0	5.6	6.7	6.2
DLFPS-FRC-3105	32	5.0	7.6	6.4	5.5	6.5	6.2
PPG-FRC 127	34	5.0	7.6	6.5	5.5	6.2	6.2
BAR FT 135	12	5.5	7.1	6.0	5.5	6.7	6.1
NAI-CHU1	18	4.9	7.4	6.3	5.3	6.5	6.1
* RESOLUTE	6	5.3	7.0	5.8	5.4	6.6	6.0
BAR FT 132	13	5.3	6.9	5.7	5.3	6.8	6.0
* GLADIATOR	1	5.2	6.9	5.6	5.1	6.9	6.0
DA5-RHF	38	5.0	7.0	5.9	5.2	6.5	5.9
RAD-FC59	16	4.8	7.1	5.9	5.0	6.5	5.9
BYE	25	4.7	7.2	6.0	5.0	6.4	5.8
PVF-MVP-2020	43	4.6	7.2	6.0	5.0	6.3	5.8
* COMPASS II	29	4.7	7.1	5.9	4.9	6.6	5.8
* JAMESTOWN VII	17	4.7	7.0	5.8	4.9	6.5	5.8
PPG-FRR-134	30	4.5	7.1	5.8	4.8	6.4	5.7
PVF-HSY+	42	4.4	6.9	5.7	4.7	6.4	5.6
PPG-FRR 127	37	4.4	7.0	5.8	4.7	6.3	5.6
* BLUE HORNET (PPG-FO-102)	33	4.8	6.6	5.4	4.8	6.4	5.6
PST-4SWTM	39	4.5	6.8	5.6	4.7	6.4	5.6
5Z5	24	4.4	6.9	5.7	4.7	6.3	5.6

TABLE 1A.
(CONT'D)

TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2021 DATA

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

NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
PPG-FRR 132	35	4.3	6.8	5.6	4.6	6.2	5.5
STB1	23	4.2	6.8	5.6	4.5	6.2	5.5
5Z2	22	4.2	6.8	5.5	4.4	6.3	5.4
* CARDINAL II	31	4.3	6.6	5.4	4.4	6.4	5.4
* SHADOW IV (PST-4SHAD)	40	4.3	6.6	5.3	4.4	6.4	5.4
BAR FRC 130	14	4.2	6.6	5.4	4.4	6.3	5.4
BAR FRC 123	9	4.3	6.5	5.3	4.3	6.5	5.4
BAR FRL 122	11	4.3	6.6	5.3	4.4	6.3	5.4
* KEVIN	15	4.2	6.5	5.1	4.2	6.5	5.3
* QUATRO	5	4.5	6.2	4.9	4.4	6.3	5.3
* SEABREEZE GT	2	4.2	6.5	5.2	4.3	6.2	5.3
BAR FO 131	10	4.2	6.3	5.1	4.3	6.2	5.2
DLF-FRR-3128	26	4.1	6.4	5.2	4.2	6.1	5.2
RAD-FR64	21	3.8	6.2	5.0	3.9	6.0	5.0
* FOXFIRE 2	8	3.7	6.1	4.9	3.8	5.8	4.9
* BOREAL	27	3.5	5.4	4.1	3.3	6.0	4.4
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		12.4	8.5	10.3	12.0	9.1	10.2

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2022

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

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

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

TABLE 1B.

TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
PPG-FRC-130	28	5.2	7.7	6.5	5.6	6.5	6.3
* BRITTANY 2	7	5.1	7.5	6.4	5.5	6.6	6.2
DLFPS-FRC-3105	32	5.0	7.6	6.4	5.5	6.5	6.2
PPG-FRC 127	34	5.0	7.6	6.5	5.5	6.2	6.2
NAI-CHU1	18	4.9	7.4	6.3	5.3	6.5	6.1
RAD-FC59	16	4.8	7.1	5.9	5.0	6.5	5.9
PVF-MVP-2020	43	4.6	7.2	6.0	5.0	6.3	5.8
* COMPASS II	29	4.7	7.1	5.9	4.9	6.6	5.8
* JAMESTOWN VII	17	4.7	7.0	5.8	4.9	6.5	5.8
PST-4SWTM	39	4.5	6.8	5.6	4.7	6.4	5.6
* SHADOW IV (PST-4SHAD)	40	4.3	6.6	5.3	4.4	6.4	5.4
BAR FRC 130	14	4.2	6.6	5.4	4.4	6.3	5.4
BAR FRC 123	9	4.3	6.5	5.3	4.3	6.5	5.4
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		12.4	8.2	9.9	11.7	9.1	10.0

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

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

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

TABLE 1C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
BYE	25	4.7	7.2	6.0	5.0	6.4	5.8
PPG-FRR-134	30	4.5	7.1	5.8	4.8	6.4	5.7
PVF-HSY+	42	4.4	6.9	5.7	4.7	6.4	5.6
PPG-FRR 127	37	4.4	7.0	5.8	4.7	6.3	5.6
5Z5	24	4.4	6.9	5.7	4.7	6.3	5.6
PPG-FRR 132	35	4.3	6.8	5.6	4.6	6.2	5.5
STB1	23	4.2	6.8	5.6	4.5	6.2	5.5
5Z2	22	4.2	6.8	5.5	4.4	6.3	5.4
* CARDINAL II	31	4.3	6.6	5.4	4.4	6.4	5.4
* KEVIN	15	4.2	6.5	5.1	4.2	6.5	5.3
DLF-FRR-3128	26	4.1	6.4	5.2	4.2	6.1	5.2
RAD-FR64	21	3.8	6.2	5.0	3.9	6.0	5.0
* FOXFIRE 2	8	3.7	6.1	4.9	3.8	5.8	4.9
* BOREAL	27	3.5	5.4	4.1	3.3	6.0	4.4
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		14.0	8.8	10.9	13.4	9.4	10.9

*/ 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 1D.

TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2021 DATA

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

NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
PPG-FL 128	36	6.1	7.7	6.6	6.2	7.1	6.8
DLFPS-FL-3104	4	5.7	7.4	6.3	5.8	6.8	6.4
PVF-PDB-2020	41	5.6	7.5	6.4	5.8	6.6	6.4
* TENACIOUS (NAI-HTB2)	20	5.5	7.4	6.3	5.7	6.6	6.3
* SWORD II (NAI-HAQ1+2)	19	5.6	7.2	6.0	5.6	6.9	6.2
SPHD-20	3	5.5	7.2	6.0	5.6	6.7	6.2
BAR FT 135	12	5.5	7.1	6.0	5.5	6.7	6.1
* RESOLUTE	6	5.3	7.0	5.8	5.4	6.6	6.0
BAR FT 132	13	5.3	6.9	5.7	5.3	6.8	6.0
* GLADIATOR	1	5.2	6.9	5.6	5.1	6.9	6.0
DA5-RHF	38	5.0	7.0	5.9	5.2	6.5	5.9
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.7	8.1	9.7	10.5	8.7	9.4

*/ 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 1E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
* BLUE HORNET (PPG-FO-102)	33	4.8	6.6	5.4	4.8	6.4	5.6
* QUATRO	5	4.5	6.2	4.9	4.4	6.3	5.3
BAR FO 131	10	4.2	6.3	5.1	4.3	6.2	5.2
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		12.9	9.2	11.4	13.0	9.3	10.9

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

TABLE 1F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	# ENTRY	MD1	VA1	MN1	KS1	QE1	MEAN
BAR FRL 122	11	4.3	6.6	5.3	4.4	6.3	5.4
* SEABREEZE GT	2	4.2	6.5	5.2	4.3	6.2	5.3
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		13.9	9.0	11.1	13.5	9.4	11.0

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

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

TABLE 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2021 DATA

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

NAME	# ENTRY	NJ1	NJ2	MI2	MEAN
PPG-FRC 127	34	6.6	6.8	6.0	6.4
PPG-FRC-130	28	6.3	6.5	5.9	6.2
DLFPS-FRC-3105	32	6.2	6.4	5.9	6.2
BRITTANY 2	7	5.9	6.2	5.8	6.0
NAI-CHU1	18	5.9	6.0	5.9	5.9
PVF-MVP-2020	43	5.8	5.8	6.0	5.8
BYE	25	5.6	5.7	5.8	5.7
PPG-FRR-134	30	5.4	5.4	5.8	5.6
PPG-FRR 127	37	5.4	5.3	5.8	5.5
COMPASS II	29	5.3	5.3	5.8	5.4
STB1	23	5.2	5.0	5.9	5.4
5Z5	24	5.2	5.1	5.8	5.4
PVF-HSY+	42	5.2	5.1	5.7	5.3
PPG-FRR 132	35	5.2	5.1	5.6	5.3
RAD-FC59	16	5.1	5.3	5.3	5.2
5Z2	22	5.0	4.8	5.9	5.2
PVF-PDB-2020	41	5.2	6.1	4.4	5.2
JAMESTOWN VII	17	5.0	5.2	5.4	5.2
PST-4SWTM	39	4.7	4.8	5.3	5.0
TENACIOUS (NAI-HTB2)	20	4.8	5.9	4.0	4.9
PPG-FL 128	36	4.7	6.1	3.9	4.9
BAR FRC 130	14	4.6	4.6	5.4	4.8
CARDINAL II	31	4.4	4.5	5.3	4.7
DA5-RHF	38	4.5	5.2	4.4	4.7
BAR FRL 122	11	4.4	4.5	5.1	4.6
DLF-FRR-3128	26	4.3	4.3	5.2	4.6
SHADOW IV (PST-4SHAD)	40	4.3	4.3	5.2	4.6
DLFPS-FL-3104	4	4.4	5.6	3.8	4.6
RAD-FR64	21	4.2	4.0	5.3	4.5
SEABREEZE GT	2	4.2	4.3	5.0	4.5

TABLE 2A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	NJ1	NJ2	MI2	MEAN	
BAR FRC 123	9	4.1	4.2	5.1	4.5	
FOXFIRE 2	8	4.2	4.0	5.1	4.5	
KEVIN	15	3.9	3.9	5.2	4.3	
BAR FT 135	12	4.1	5.2	3.6	4.3	
SPHD-20	3	4.1	5.3	3.5	4.3	
SWORD II (NAI-HAQ1+2)	19	3.9	5.1	3.6	4.2	
RESOLUTE	6	3.9	5.0	3.5	4.1	
BAR FO 131	10	3.7	4.1	4.4	4.1	
BLUE HORNET (PPG-FO-102)	33	3.6	4.4	3.8	3.9	
GLADIATOR	1	3.5	4.4	3.9	3.9	
BAR FT 132	13	3.5	4.6	3.4	3.8	
QUATRO	5	2.6	3.5	3.2	3.1	
BOREAL	27	2.2	2.3	4.0	2.8	
LSD VALUE		0.9	0.9	0.9	0.9	
C.V. (%)		12.6	11.7	11.8	12.0	

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

TABLE 2B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	NJ1	NJ2	MI2	MEAN	
PPG-FRC 127	34	6.6	6.8	6.0	6.4	
PPG-FRC-130	28	6.3	6.5	5.9	6.2	
DLFPS-FRC-3105	32	6.2	6.4	5.9	6.2	
BRITTANY 2	7	5.9	6.2	5.8	6.0	
NAI-CHU1	18	5.9	6.0	5.9	5.9	
PVF-MVP-2020	43	5.8	5.8	6.0	5.8	
COMPASS II	29	5.3	5.3	5.8	5.4	
RAD-FC59	16	5.1	5.3	5.3	5.2	
JAMESTOWN VII	17	5.0	5.2	5.4	5.2	
PST-4SWTM	39	4.7	4.8	5.3	5.0	
BAR FRC 130	14	4.6	4.6	5.4	4.8	
SHADOW IV (PST-4SHAD)	40	4.3	4.3	5.2	4.6	
BAR FRC 123	9	4.1	4.2	5.1	4.5	
LSD VALUE		0.9	0.9	0.9	0.9	
C.V. (%)		10.9	10.7	10.4	10.7	

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

TABLE 2C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	NJ1	NJ2	MI2	MEAN	
BYE	25	5.6	5.7	5.8	5.7	
PPG-FRR-134	30	5.4	5.4	5.8	5.6	
PPG-FRR 127	37	5.4	5.3	5.8	5.5	
STB1	23	5.2	5.0	5.9	5.4	
5Z5	24	5.2	5.1	5.8	5.4	
PVF-HSY+	42	5.2	5.1	5.7	5.3	
PPG-FRR 132	35	5.2	5.1	5.6	5.3	
5Z2	22	5.0	4.8	5.9	5.2	
CARDINAL II	31	4.4	4.5	5.3	4.7	
DLF-FRR-3128	26	4.3	4.3	5.2	4.6	
RAD-FR64	21	4.2	4.0	5.3	4.5	
FOXFIRE 2	8	4.2	4.0	5.1	4.5	
KEVIN	15	3.9	3.9	5.2	4.3	
BOREAL	27	2.2	2.3	4.0	2.8	
LSD VALUE		0.9	0.9	0.9	0.9	
C.V. (%)		12.5	12.7	10.7	11.9	

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

TABLE 2D.

TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

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

NAME	# ENTRY	NJ1	NJ2	MI2	MEAN
PVF-PDB-2020	41	5.2	6.1	4.4	5.2
TENACIOUS (NAI-HTB2)	20	4.8	5.9	4.0	4.9
PPG-FL 128	36	4.7	6.1	3.9	4.9
DA5-RHF	38	4.5	5.2	4.4	4.7
DLFPS-FL-3104	4	4.4	5.6	3.8	4.6
BAR FT 135	12	4.1	5.2	3.6	4.3
SPHD-20	3	4.1	5.3	3.5	4.3
SWORD II (NAI-HAQ1+2)	19	3.9	5.1	3.6	4.2
RESOLUTE	6	3.9	5.0	3.5	4.1
GLADIATOR	1	3.5	4.4	3.9	3.9
BAR FT 132	13	3.5	4.6	3.4	3.8
LSD VALUE		0.9	0.9	0.9	0.9
C.V. (%)		13.8	11.0	15.4	13.2

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

TABLE 2E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					
NAME	# ENTRY	NJ1	NJ2	MI2	MEAN
BAR FO 131	10	3.7	4.1	4.4	4.1
BLUE HORNET (PPG-FO-102)	33	3.6	4.4	3.8	3.9
QUATRO	5	2.6	3.5	3.2	3.1
LSD VALUE		0.9	0.9	0.9	0.9
C.V. (%)		17.6	14.7	15.4	15.8

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

TABLE 2F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					
NAME	# ENTRY	NJ1	NJ2	MI2	MEAN
BAR FRL 122	11	4.4	4.5	5.1	4.6
SEABREEZE GT	2	4.2	4.3	5.0	4.5
MEAN		4.3	4.4	5.0	4.6
LSD VALUE		0.9	0.9	0.9	0.9
C.V. (%)		13.7	13.4	11.6	12.8

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

TABLE 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
GLADIATOR	1	6.8	6.9	6.9
PPG-FL 128	36	6.8	6.8	6.8
KEVIN	15	6.7	6.9	6.8
COMPASS II	29	6.8	6.8	6.8
BRITTANY 2	7	6.7	6.7	6.7
SWORD II (NAI-HAQ1+2)	19	6.7	6.7	6.7
BAR FRC 123	9	6.6	6.7	6.7
SHADOW IV (PST-4SHAD)	40	6.6	6.7	6.7
NAI-CHU1	18	6.7	6.7	6.7
RAD-FC59	16	6.6	6.7	6.6
PST-4SWTM	39	6.6	6.7	6.6
CARDINAL II	31	6.6	6.7	6.6
DLFPS-FL-3104	4	6.6	6.6	6.6
JAMESTOWN VII	17	6.6	6.6	6.6
5Z2	22	6.6	6.6	6.6
PPG-FRC-130	28	6.6	6.6	6.6
BAR FT 132	13	6.6	6.6	6.6
PVF-HSY+	42	6.5	6.6	6.6
PPG-FRR-134	30	6.6	6.6	6.6
5Z5	24	6.5	6.6	6.6
DLFPS-FRC-3105	32	6.6	6.5	6.6
BYE	25	6.6	6.6	6.6
PVF-MVP-2020	43	6.5	6.5	6.5
BAR FRC 130	14	6.5	6.6	6.5
PPG-FRR 127	37	6.5	6.5	6.5
STB1	23	6.5	6.5	6.5
PVF-PDB-2020	41	6.5	6.5	6.5
BAR FT 135	12	6.4	6.5	6.5
SPHD-20	3	6.4	6.5	6.5
BAR FRL 122	11	6.4	6.5	6.5

TABLE 3A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
DA5-RHF	38	6.4	6.5	6.5
RESOLUTE	6	6.4	6.5	6.5
SEABREEZE GT	2	6.4	6.5	6.4
TENACIOUS (NAI-HTB2)	20	6.4	6.4	6.4
PPG-FRR 132	35	6.4	6.4	6.4
DLF-FRR-3128	26	6.3	6.4	6.4
BLUE HORNET (PPG-FO-102)	33	6.3	6.4	6.4
RAD-FR64	21	6.3	6.4	6.3
PPG-FRC 127	34	6.4	6.3	6.3
QUATRO	5	6.2	6.4	6.3
BAR FO 131	10	6.2	6.4	6.3
BOREAL	27	6.2	6.4	6.3
FOXFIRE 2	8	6.0	6.1	6.1
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.0	8.9	9.0

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

TABLE 3B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
COMPASS II	29	6.8	6.8	6.8
BRITTANY 2	7	6.7	6.7	6.7
BAR FRC 123	9	6.6	6.7	6.7
SHADOW IV (PST-4SHAD)	40	6.6	6.7	6.7
NAI-CHU1	18	6.7	6.7	6.7
RAD-FC59	16	6.6	6.7	6.6
PST-4SWTM	39	6.6	6.7	6.6
JAMESTOWN VII	17	6.6	6.6	6.6
PPG-FRC-130	28	6.6	6.6	6.6
DLFPS-FRC-3105	32	6.6	6.5	6.6
PVF-MVP-2020	43	6.5	6.5	6.5
BAR FRC 130	14	6.5	6.6	6.5
PPG-FRC 127	34	6.4	6.3	6.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		8.9	8.8	8.9

*/ 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 3C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
KEVIN	15	6.7	6.9	6.8
CARDINAL II	31	6.6	6.7	6.6
5Z2	22	6.6	6.6	6.6
PVF-HSY+	42	6.5	6.6	6.6
PPG-FRR-134	30	6.6	6.6	6.6
5Z5	24	6.5	6.6	6.6
BYE	25	6.6	6.6	6.6
PPG-FRR 127	37	6.5	6.5	6.5
STB1	23	6.5	6.5	6.5
PPG-FRR 132	35	6.4	6.4	6.4
DLF-FRR-3128	26	6.3	6.4	6.4
RAD-FR64	21	6.3	6.4	6.3
BOREAL	27	6.2	6.4	6.3
FOXFIRE 2	8	6.0	6.1	6.1
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.1	9.0	9.0

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

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

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

TABLE 3D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
GLADIATOR	1	6.8	6.9	6.9
PPG-FL 128	36	6.8	6.8	6.8
SWORD II (NAI-HAQ1+2)	19	6.7	6.7	6.7
DLFPS-FL-3104	4	6.6	6.6	6.6
BAR FT 132	13	6.6	6.6	6.6
PVF-PDB-2020	41	6.5	6.5	6.5
BAR FT 135	12	6.4	6.5	6.5
SPHD-20	3	6.4	6.5	6.5
DA5-RHF	38	6.4	6.5	6.5
RESOLUTE	6	6.4	6.5	6.5
TENACIOUS (NAI-HTB2)	20	6.4	6.4	6.4
LSD VALUE		0.9	0.9	0.9
C.V. (%)		8.9	8.9	8.9

*/ 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

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

TABLE 3E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
BLUE HORNET (PPG-FO-102)	33	6.3	6.4	6.4
QUATRO	5	6.2	6.4	6.3
BAR FO 131	10	6.2	6.4	6.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.3	9.2	9.3

*/ 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 3F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	# ENTRY	PA2	IA1	MEAN
BAR FRL 122	11	6.4	6.5	6.5
SEABREEZE GT	2	6.4	6.5	6.4
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.2	9.0	9.1

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

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

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

TABLE 4A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
DLFPS-FRC-3105	32	5.9	5.0	5.5
PPG-FRC-130	28	5.9	5.0	5.5
PPG-FRC 127	34	5.9	5.0	5.4
NAI-CHU1	18	5.9	5.0	5.4
BRITTANY 2	7	5.9	5.0	5.4
PVF-MVP-2020	43	5.9	4.9	5.4
COMPASS II	29	5.8	4.9	5.3
BYE	25	5.8	4.9	5.3
PPG-FRR-134	30	5.8	4.8	5.3
STB1	23	5.8	4.8	5.3
PPG-FRR 127	37	5.7	4.8	5.3
5Z2	22	5.7	4.8	5.3
5Z5	24	5.7	4.8	5.2
PVF-HSY+	42	5.7	4.7	5.2
PPG-FRR 132	35	5.6	4.6	5.1
RAD-FC59	16	5.5	4.6	5.0
JAMESTOWN VII	17	5.5	4.6	5.0
PST-4SWTM	39	5.4	4.5	5.0
BAR FRC 130	14	5.4	4.5	4.9
CARDINAL II	31	5.4	4.5	4.9
SHADOW IV (PST-4SHAD)	40	5.3	4.4	4.9
KEVIN	15	5.3	4.4	4.9
BAR FRC 123	9	5.3	4.4	4.8
RAD-FR64	21	5.2	4.3	4.8
DLF-FRR-3128	26	5.2	4.3	4.8
BAR FRL 122	11	5.2	4.3	4.7
SEABREEZE GT	2	5.1	4.2	4.7
FOXFIRE 2	8	5.1	4.1	4.6
PVF-PDB-2020	41	5.0	4.1	4.5
DA5-RHF	38	4.9	4.0	4.5

TABLE 4A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
PPG-FL 128	36	4.8	4.0	4.4
TENACIOUS (NAI-HTB2)	20	4.7	3.9	4.3
BAR FO 131	10	4.7	3.8	4.3
GLADIATOR	1	4.6	3.8	4.2
DLFPS-FL-3104	4	4.6	3.8	4.2
SWORD II (NAI-HAQ1+2)	19	4.5	3.7	4.1
BAR FT 135	12	4.4	3.6	4.0
BLUE HORNET (PPG-FO-102)	33	4.4	3.6	4.0
SPHD-20	3	4.4	3.5	4.0
RESOLUTE	6	4.4	3.5	3.9
BAR FT 132	13	4.3	3.5	3.9
BOREAL	27	4.2	3.4	3.8
QUATRO	5	3.9	3.1	3.5
LSD VALUE		0.9	0.9	0.9
C.V. (%)		11.3	13.6	12.3

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

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

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

TABLE 4B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
DLFPS-FRC-3105	32	5.9	5.0	5.5
PPG-FRC-130	28	5.9	5.0	5.5
PPG-FRC 127	34	5.9	5.0	5.4
NAI-CHU1	18	5.9	5.0	5.4
BRITTANY 2	7	5.9	5.0	5.4
PVF-MVP-2020	43	5.9	4.9	5.4
COMPASS II	29	5.8	4.9	5.3
RAD-FC59	16	5.5	4.6	5.0
JAMESTOWN VII	17	5.5	4.6	5.0
PST-4SWTM	39	5.4	4.5	5.0
BAR FRC 130	14	5.4	4.5	4.9
SHADOW IV (PST-4SHAD)	40	5.3	4.4	4.9
BAR FRC 123	9	5.3	4.4	4.8
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.3	12.4	11.3

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

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

TABLE 4C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
BYE	25	5.8	4.9	5.3
PPG-FRR-134	30	5.8	4.8	5.3
STB1	23	5.8	4.8	5.3
PPG-FRR 127	37	5.7	4.8	5.3
5Z2	22	5.7	4.8	5.3
5Z5	24	5.7	4.8	5.2
PVF-HSY+	42	5.7	4.7	5.2
PPG-FRR 132	35	5.6	4.6	5.1
CARDINAL II	31	5.4	4.5	4.9
KEVIN	15	5.3	4.4	4.9
RAD-FR64	21	5.2	4.3	4.8
DLF-FRR-3128	26	5.2	4.3	4.8
FOXFIRE 2	8	5.1	4.1	4.6
BOREAL	27	4.2	3.4	3.8
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.8	13.0	11.8

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

TABLE 4D. TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
PVF-PDB-2020	41	5.0	4.1	4.5
DA5-RHF	38	4.9	4.0	4.5
PPG-FL 128	36	4.8	4.0	4.4
TENACIOUS (NAI-HTB2)	20	4.7	3.9	4.3
GLADIATOR	1	4.6	3.8	4.2
DLFPS-FL-3104	4	4.6	3.8	4.2
SWORD II (NAI-HAQ1+2)	19	4.5	3.7	4.1
BAR FT 135	12	4.4	3.6	4.0
SPHD-20	3	4.4	3.5	4.0
RESOLUTE	6	4.4	3.5	3.9
BAR FT 132	13	4.3	3.5	3.9
LSD VALUE		0.9	0.9	0.9
C.V. (%)		12.8	15.6	14.0

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

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

TABLE 4E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
BAR FO 131	10	4.7	3.8	4.3
BLUE HORNET (PPG-FO-102)	33	4.4	3.6	4.0
QUATRO	5	3.9	3.1	3.5
LSD VALUE		0.9	0.9	0.9
C.V. (%)		13.4	16.7	14.9

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

TABLE 4F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	# ENTRY	IN1	WA1	MEAN
BAR FRL 122	11	5.2	4.3	4.7
SEABREEZE GT	2	5.1	4.2	4.7
LSD VALUE		0.9	0.9	0.9
C.V. (%)		11.4	13.8	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
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- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
 2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
5Z2	22	6.0	5.1	5.5
STB1	23	5.9	5.1	5.5
COMPASS II	29	6.0	5.0	5.5
PPG-FRR-134	30	5.8	5.0	5.4
PPG-FRR 127	37	5.8	5.0	5.4
PVF-MVP-2020	43	5.8	5.0	5.4
5Z5	24	5.8	4.9	5.4
NAI-CHU1	18	5.8	4.9	5.4
PVF-HSY+	42	5.8	4.9	5.3
BYE	25	5.8	4.9	5.3
KEVIN	15	5.8	4.8	5.3
BRITTANY 2	7	5.8	4.8	5.3
DLFPS-FRC-3105	32	5.7	4.8	5.3
PPG-FRC-130	28	5.7	4.7	5.2
CARDINAL II	31	5.7	4.7	5.2
SHADOW IV (PST-4SHAD)	40	5.7	4.7	5.2
BAR FRC 130	14	5.6	4.7	5.2
PPG-FRR 132	35	5.6	4.7	5.2
RAD-FR64	21	5.6	4.7	5.2
PST-4SWTM	39	5.6	4.7	5.1
BAR FRC 123	9	5.6	4.7	5.1
PPG-FRC 127	34	5.6	4.7	5.1
JAMESTOWN VII	17	5.6	4.6	5.1
DLF-FRR-3128	26	5.5	4.6	5.0
RAD-FC59	16	5.5	4.5	5.0
BAR FRL 122	11	5.4	4.5	4.9
FOXFIRE 2	8	5.3	4.5	4.9
SEABREEZE GT	2	5.4	4.4	4.9
BAR FO 131	10	5.0	3.9	4.4
BOREAL	27	4.9	3.9	4.4

TABLE 5A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
 2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
DA5-RHF	38	4.9	3.7	4.3
GLADIATOR	1	4.9	3.5	4.2
PVF-PDB-2020	41	4.7	3.4	4.1
BLUE HORNET (PPG-FO-102)	33	4.6	3.3	3.9
PPG-FL 128	36	4.6	3.1	3.8
TENACIOUS (NAI-HTB2)	20	4.5	3.2	3.8
SWORD II (NAI-HAQ1+2)	19	4.5	3.1	3.8
DLFPS-FL-3104	4	4.5	3.0	3.8
BAR FT 132	13	4.4	3.0	3.7
BAR FT 135	12	4.4	2.9	3.7
RESOLUTE	6	4.3	2.9	3.6
QUATRO	5	4.3	2.9	3.6
SPHD-20	3	4.3	2.8	3.5
MEAN		5.3	4.2	4.8
LSD VALUE		0.9	0.9	0.9
C.V. (%)		11.0	13.8	12.3

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

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

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

TABLE 5B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
COMPASS II	29	6.0	5.0	5.5
PVF-MVP-2020	43	5.8	5.0	5.4
NAI-CHU1	18	5.8	4.9	5.4
BRITTANY 2	7	5.8	4.8	5.3
DLFPS-FRC-3105	32	5.7	4.8	5.3
PPG-FRC-130	28	5.7	4.7	5.2
SHADOW IV (PST-4SHAD)	40	5.7	4.7	5.2
BAR FRC 130	14	5.6	4.7	5.2
PST-4SWTM	39	5.6	4.7	5.1
BAR FRC 123	9	5.6	4.7	5.1
PPG-FRC 127	34	5.6	4.7	5.1
JAMESTOWN VII	17	5.6	4.6	5.1
RAD-FC59	16	5.5	4.5	5.0
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.3	12.3	11.2

*/ 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 5C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
5Z2	22	6.0	5.1	5.5
STB1	23	5.9	5.1	5.5
PPG-FRR-134	30	5.8	5.0	5.4
PPG-FRR 127	37	5.8	5.0	5.4
5Z5	24	5.8	4.9	5.4
PVF-HSY+	42	5.8	4.9	5.3
BYE	25	5.8	4.9	5.3
KEVIN	15	5.8	4.8	5.3
CARDINAL II	31	5.7	4.7	5.2
PPG-FRR 132	35	5.6	4.7	5.2
RAD-FR64	21	5.6	4.7	5.2
DLF-FRR-3128	26	5.5	4.6	5.0
FOXFIRE 2	8	5.3	4.5	4.9
BOREAL	27	4.9	3.9	4.4
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.3	12.3	11.2

*/ 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 5D.

TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
DA5-RHF	38	4.9	3.7	4.3
GLADIATOR	1	4.9	3.5	4.2
PVF-PDB-2020	41	4.7	3.4	4.1
PPG-FL 128	36	4.6	3.1	3.8
TENACIOUS (NAI-HTB2)	20	4.5	3.2	3.8
SWORD II (NAI-HA1+2)	19	4.5	3.1	3.8
DLFPS-FL-3104	4	4.5	3.0	3.8
BAR FT 132	13	4.4	3.0	3.7
BAR FT 135	12	4.4	2.9	3.7
RESOLUTE	6	4.3	2.9	3.6
SPHD-20	3	4.3	2.8	3.5
LSD VALUE		0.9	0.9	0.9
C.V. (%)		12.9	18.6	15.3

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

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

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

TABLE 5E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
BAR FO 131	10	5.0	3.9	4.4
BLUE HORNET (PPG-FO-102)	33	4.6	3.3	3.9
QUATRO	5	4.3	2.9	3.6
LSD VALUE		0.9	0.9	0.9
C.V. (%)		12.7	17.4	14.7

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

TABLE 5F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2021 DATA

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

NAME	# ENTRY	CT1	OR1	MEAN
BAR FRL 122	11	5.4	4.5	4.9
SEABREEZE GT	2	5.4	4.4	4.9
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.8	13.2	11.9

- */ 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 6A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
 2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
STB1	23	5.2	7.5	6.3
5Z2	22	5.2	7.4	6.3
PVF-MVP-2020	43	5.2	7.3	6.2
PPG-FRR 127	37	5.1	7.3	6.2
PPG-FRR-134	30	5.1	7.2	6.2
COMPASS II	29	5.1	7.1	6.1
NAI-CHU1	18	5.1	7.1	6.1
DLFPS-FRC-3105	32	5.1	7.1	6.1
5Z5	24	5.0	7.1	6.1
BYE	25	5.1	7.1	6.1
PPG-FRC 127	34	5.1	7.1	6.1
PVF-HSY+	42	5.0	7.0	6.0
PPG-FRC-130	28	5.0	6.9	6.0
BRITTANY 2	7	5.0	6.8	5.9
PPG-FRR 132	35	4.9	6.9	5.9
RAD-FR64	21	4.7	6.8	5.7
BAR FRC 130	14	4.7	6.7	5.7
CARDINAL II	31	4.7	6.6	5.6
PST-4SWTM	39	4.7	6.5	5.6
KEVIN	15	4.7	6.5	5.6
SHADOW IV (PST-4SHAD)	40	4.7	6.5	5.6
FOXFIRE 2	8	4.5	6.6	5.5
DLF-FRR-3128	26	4.6	6.5	5.5
JAMESTOWN VII	17	4.7	6.4	5.5
RAD-FC59	16	4.6	6.3	5.5
BAR FRC 123	9	4.6	6.3	5.4
BAR FRL 122	11	4.5	6.2	5.3
SEABREEZE GT	2	4.4	6.2	5.3
BAR FO 131	10	3.9	5.3	4.6
BOREAL	27	3.6	5.0	4.3

TABLE 6A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
 2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
DA5-RHF	38	3.8	4.8	4.3
PVF-PDB-2020	41	3.7	4.4	4.1
GLADIATOR	1	3.4	3.9	3.7
TENACIOUS (NAI-HTB2)	20	3.4	4.0	3.7
BLUE HORNET (PPG-FO-102)	33	3.3	4.0	3.7
PPG-FL 128	36	3.3	3.4	3.4
DLFPS-FL-3104	4	3.2	3.5	3.3
SWORD II (NAI-HAQ1+2)	19	3.2	3.4	3.3
BAR FT 135	12	3.1	3.4	3.2
RESOLUTE	6	3.0	3.4	3.2
SPHD-20	3	3.0	3.2	3.1
BAR FT 132	13	3.0	3.2	3.1
QUATRO	5	2.8	3.3	3.0
LSD VALUE		0.9	0.9	0.9
C.V. (%)		13.6	10.1	11.6

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

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

TABLE 6B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
PVF-MVP-2020	43	5.2	7.3	6.2
COMPASS II	29	5.1	7.1	6.1
NAI-CHU1	18	5.1	7.1	6.1
DLFPS-FRC-3105	32	5.1	7.1	6.1
PPG-FRC 127	34	5.1	7.1	6.1
PPG-FRC-130	28	5.0	6.9	6.0
BRITTANY 2	7	5.0	6.8	5.9
BAR FRC 130	14	4.7	6.7	5.7
PST-4SWTM	39	4.7	6.5	5.6
SHADOW IV (PST-4SHAD)	40	4.7	6.5	5.6
JAMESTOWN VII	17	4.7	6.4	5.5
RAD-FC59	16	4.6	6.3	5.5
BAR FRC 123	9	4.6	6.3	5.4
LSD VALUE		0.9	0.9	0.9
C.V. (%)		12.0	8.7	10.0

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

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

TABLE 6C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
STB1	23	5.2	7.5	6.3
5Z2	22	5.2	7.4	6.3
PPG-FRR 127	37	5.1	7.3	6.2
PPG-FRR-134	30	5.1	7.2	6.2
5Z5	24	5.0	7.1	6.1
BYE	25	5.1	7.1	6.1
PVF-HSY+	42	5.0	7.0	6.0
PPG-FRR 132	35	4.9	6.9	5.9
RAD-FR64	21	4.7	6.8	5.7
CARDINAL II	31	4.7	6.6	5.6
KEVIN	15	4.7	6.5	5.6
FOXFIRE 2	8	4.5	6.6	5.5
DLF-FRR-3128	26	4.6	6.5	5.5
BOREAL	27	3.6	5.0	4.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		12.2	8.6	10.1

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

TABLE 6D.

TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
DA5-RHF	38	3.8	4.8	4.3
PVF-PDB-2020	41	3.7	4.4	4.1
GLADIATOR	1	3.4	3.9	3.7
TENACIOUS (NAI-HTB2)	20	3.4	4.0	3.7
PPG-FL 128	36	3.3	3.4	3.4
DLFPS-FL-3104	4	3.2	3.5	3.3
SWORD II (NAI-HAQ1+2)	19	3.2	3.4	3.3
BAR FT 135	12	3.1	3.4	3.2
RESOLUTE	6	3.0	3.4	3.2
SPHD-20	3	3.0	3.2	3.1
BAR FT 132	13	3.0	3.2	3.1
LSD VALUE		0.9	0.9	0.9
C.V. (%)		17.9	15.9	16.8

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

TABLE 6E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
BAR FO 131	10	3.9	5.3	4.6
BLUE HORNET (PPG-FO-102)	33	3.3	4.0	3.7
QUATRO	5	2.8	3.3	3.0
LSD VALUE		0.9	0.9	0.9
C.V. (%)		17.6	14.0	15.6

- */ 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 6F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 6 */
2021 DATA

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

NAME	# ENTRY	NC1	MI1	MEAN
BAR FRL 122	11	4.5	6.2	5.3
SEABREEZE GT	2	4.4	6.2	5.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		13.2	9.5	11.0

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

TABLE 7A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
 2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
BRITTANY 2	7	6.6	6.5	6.6
PPG-FRC-130	28	6.6	6.5	6.5
DLFPS-FRC-3105	32	6.6	6.4	6.5
NAI-CHU1	18	6.5	6.5	6.5
COMPASS II	29	6.5	6.5	6.5
PPG-FRC 127	34	6.5	6.3	6.4
PVF-MVP-2020	43	6.4	6.4	6.4
BYE	25	6.4	6.3	6.4
PPG-FRR-134	30	6.4	6.3	6.3
PPG-FRR 127	37	6.3	6.3	6.3
5Z5	24	6.3	6.3	6.3
5Z2	22	6.3	6.3	6.3
PVF-HSY+	42	6.3	6.3	6.3
RAD-FC59	16	6.3	6.3	6.3
STB1	23	6.3	6.3	6.3
JAMESTOWN VII	17	6.3	6.2	6.2
PPG-FL 128	36	6.3	6.1	6.2
PST-4SWTM	39	6.2	6.2	6.2
KEVIN	15	6.1	6.2	6.2
PPG-FRR 132	35	6.2	6.1	6.2
CARDINAL II	31	6.1	6.2	6.1
SHADOW IV (PST-4SHAD)	40	6.1	6.2	6.1
BAR FRC 130	14	6.1	6.1	6.1
BAR FRC 123	9	6.1	6.1	6.1
PVF-PDB-2020	41	6.2	6.0	6.1
GLADIATOR	1	6.0	6.0	6.0
DLFPS-FL-3104	4	6.1	5.9	6.0
BAR FRL 122	11	6.0	6.0	6.0
DA5-RHF	38	6.0	5.9	6.0
TENACIOUS (NAI-HTB2)	20	6.1	5.8	6.0

TABLE 7A. TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
 2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
SWORD II (NAI-HAQ1+2)	19	6.0	5.9	6.0
DLF-FRR-3128	26	5.9	6.0	5.9
SEABREEZE GT	2	5.9	5.9	5.9
RAD-FR64	21	5.8	5.9	5.9
BAR FT 135	12	5.9	5.7	5.8
SPHD-20	3	5.9	5.7	5.8
BAR FT 132	13	5.8	5.7	5.8
RESOLUTE	6	5.8	5.7	5.8
BAR FO 131	10	5.7	5.7	5.7
FOXFIRE 2	8	5.7	5.7	5.7
BLUE HORNET (PPG-FO-102)	33	5.7	5.6	5.7
QUATRO	5	5.4	5.4	5.4
BOREAL	27	5.2	5.4	5.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.6	9.6	9.6

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

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

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

TABLE 7B. TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	# ENTRY	WI1	UT1	MEAN
BRITTANY 2	7	6.6	6.5	6.6
PPG-FRC-130	28	6.6	6.5	6.5
DLFPS-FRC-3105	32	6.6	6.4	6.5
NAI-CHU1	18	6.5	6.5	6.5
COMPASS II	29	6.5	6.5	6.5
PPG-FRC 127	34	6.5	6.3	6.4
PVE-MVP-2020	43	6.4	6.4	6.4
RAD-FC59	16	6.3	6.3	6.3
JAMESTOWN VII	17	6.3	6.2	6.2
PST-4SWTM	39	6.2	6.2	6.2
SHADOW IV (PST-4SHAD)	40	6.1	6.2	6.1
BAR FRC 130	14	6.1	6.1	6.1
BAR FRC 123	9	6.1	6.1	6.1
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.2	9.3	9.2

*/ 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 7C. TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
BYE	25	6.4	6.3	6.4
PPG-FRR-134	30	6.4	6.3	6.3
PPG-FRR 127	37	6.3	6.3	6.3
5Z5	24	6.3	6.3	6.3
5Z2	22	6.3	6.3	6.3
PVF-HSY+	42	6.3	6.3	6.3
STB1	23	6.3	6.3	6.3
KEVIN	15	6.1	6.2	6.2
PPG-FRR 132	35	6.2	6.1	6.2
CARDINAL II	31	6.1	6.2	6.1
DLF-FRR-3128	26	5.9	6.0	5.9
RAD-FR64	21	5.8	5.9	5.9
FOXFIRE 2	8	5.7	5.7	5.7
BOREAL	27	5.2	5.4	5.3
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.6	9.6	9.6

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

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

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

TABLE 7D.

TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
PPG-FL 128	36	6.3	6.1	6.2
PVF-PDB-2020	41	6.2	6.0	6.1
GLADIATOR	1	6.0	6.0	6.0
DLFPS-FL-3104	4	6.1	5.9	6.0
DA5-RHF	38	6.0	5.9	6.0
TENACIOUS (NAI-HTB2)	20	6.1	5.8	6.0
SWORD II (NAI-HAQ1+2)	19	6.0	5.9	6.0
BAR FT 135	12	5.9	5.7	5.8
SPHD-20	3	5.9	5.7	5.8
BAR FT 132	13	5.8	5.7	5.8
RESOLUTE	6	5.8	5.7	5.8
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.7	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 7E. TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
BAR FO 131	10	5.7	5.7	5.7
BLUE HORNET (PPG-FO-102)	33	5.7	5.6	5.7
QUATRO	5	5.4	5.4	5.4
LSD VALUE		0.9	0.9	0.9
C.V. (%)		10.5	10.5	10.5

*/ 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 7F. TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 7 */
2021 DATA

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

NAME	# ENTRY	WI1	UT1	MEAN
BAR FRL 122	11	6.0	6.0	6.0
SEABREEZE GT	2	5.9	5.9	5.9
LSD VALUE		0.9	0.9	0.9
C.V. (%)		9.9	9.8	9.8

*/ 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 8A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN ON A FAIRWAY AT ST. PAUL, MN 1/
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	PERCENT COVER	QUALITY RATINGS							MEAN
				FALL	MAY	JUN	JUL	AUG	SEP	OCT	
PPG-FRC 127	4.0	6.0	83.7	7.3	8.3	7.0	6.3	6.3	6.3	6.3	6.9
BAR FRC 130	3.3	5.0	70.3	7.7	7.7	6.7	6.3	7.0	5.7	6.0	6.8
BRITTANY 2	3.7	6.0	82.3	8.0	7.7	6.3	6.3	5.7	6.0	6.0	6.7
NAI-CHU1	4.3	6.0	83.0	7.3	7.3	6.7	6.0	6.0	6.7	6.7	6.7
SWORD II (NAI-HAQ1+2)	5.3	6.0	83.3	6.3	7.0	7.0	7.0	6.7	6.0	6.0	6.7
DLFPS-FRC-3105	4.0	5.7	78.0	6.7	8.0	6.3	6.3	6.0	5.3	6.0	6.4
PPG-FRC-130	4.3	6.0	82.7	6.7	7.3	6.0	6.3	6.0	6.3	6.0	6.4
PVF-MVP-2020	5.0	6.0	75.7	7.0	7.3	6.3	5.7	5.7	5.7	5.7	6.3
PVF-PDB-2020	5.0	6.0	86.7	5.7	6.3	6.7	6.0	6.3	6.7	6.3	6.3
SEABREEZE GT	3.0	6.0	86.7	7.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3
BAR FRL 122	3.0	6.3	89.3	6.0	7.0	6.7	6.0	6.0	5.7	6.0	6.2
GLADIATOR	5.0	5.7	82.0	5.7	7.0	6.3	6.3	6.0	6.0	6.0	6.2
PPG-FL 128	5.3	6.0	88.7	5.7	6.3	6.0	6.3	6.0	6.7	6.2	6.2
TENACIOUS (NAI-HTB2)	6.3	6.0	87.7	5.3	6.3	6.7	6.7	5.7	6.3	6.2	6.2
JAMESTOWN VII	6.0	6.0	76.7	6.7	6.3	6.0	5.7	5.7	6.0	6.1	6.1
RESOLUTE	6.0	6.0	88.7	4.7	5.7	7.0	6.0	6.3	6.7	6.1	6.1
BAR FRC 123	3.7	5.7	78.0	6.0	6.3	6.0	6.0	5.7	5.3	5.9	5.9
BYE	4.3	6.0	82.3	6.0	6.0	6.0	5.7	5.7	6.0	5.9	5.9
DLFPS-FL-3104	6.3	6.3	86.0	5.0	6.3	6.3	5.7	5.7	5.7	5.8	5.8
SHADOW IV (PST-4SHAD)	4.0	6.0	77.0	7.0	6.0	6.0	5.0	5.3	5.0	5.7	5.7
SPHD-20	6.0	6.0	88.7	5.0	6.3	6.0	6.0	5.7	5.3	5.7	5.7
COMPASS II	4.0	6.0	79.0	6.0	6.0	5.7	5.0	5.7	5.3	5.6	5.6
STB1	5.0	4.7	75.7	6.0	5.0	5.0	6.0	6.0	5.7	5.6	5.6
DA5-RHF	5.3	6.0	84.3	4.3	5.3	6.3	5.7	5.7	5.7	5.5	5.5
5Z5	5.0	5.7	79.0	6.3	5.0	5.7	5.3	5.0	5.3	5.4	5.4
PST-4SWTM	4.3	5.0	78.3	7.0	6.3	5.7	5.0	4.7	4.0	5.4	5.4
RAD-FC59	7.7	6.0	80.0	5.3	6.3	5.3	5.0	5.0	5.3	5.4	5.4
PPG-FRR-134	3.0	4.0	78.0	5.3	5.7	5.3	5.3	5.3	5.0	5.3	5.3
RAD-FR64	7.3	6.0	78.7	5.7	5.3	5.0	4.7	5.3	5.3	5.2	5.2
BLUE HORNET (PPG-FO-102)	7.3	6.0	89.3	5.0	5.0	5.3	5.0	4.7	5.7	5.1	5.1
PPG-FRR 127	5.3	5.7	73.3	5.3	5.0	5.0	5.0	5.3	5.0	5.1	5.1
PVF-HSY+	5.0	6.0	71.7	6.0	4.7	5.0	5.3	5.0	4.3	5.1	5.1
BAR FO 131	5.7	6.0	63.3	5.0	5.7	5.3	5.0	4.7	4.3	5.0	5.0
KEVIN	6.7	6.0	72.7	5.3	4.7	4.7	5.0	5.3	5.0	5.0	5.0
BAR FT 135	7.0	5.7	79.3	4.3	5.0	4.7	4.7	4.7	4.7	4.7	4.7
PPG-FRR 132	5.0	6.0	69.7	6.3	5.0	4.0	4.7	4.0	4.3	4.7	4.7
DLF-FRR-3128	5.3	5.7	66.7	4.7	5.0	4.3	4.3	4.7	4.3	4.6	4.6
QUATRO	6.0	6.3	88.7	4.3	4.7	4.7	4.3	4.3	5.0	4.6	4.6
5Z2	5.3	6.0	74.7	4.7	5.0	4.7	4.3	4.3	4.0	4.5	4.5
BAR FT 132	7.0	6.0	79.0	5.0	5.0	4.3	4.0	4.0	3.7	4.3	4.3
FOXFIRE 2	5.0	6.0	76.0	4.7	4.3	4.3	4.0	4.0	4.7	4.3	4.3
CARDINAL II	7.3	6.0	71.7	4.7	4.0	3.7	4.3	4.7	4.0	4.2	4.2
BOREAL	2.0	4.0	48.0	5.0	3.3	3.7	3.0	2.7	2.3	3.3	3.3
LSD VALUE	1.1	1.0	8.1	1.4	1.0	1.0	1.1	0.9	1.1	0.7	0.7
C.V. (%)	13.8	9.1	6.6	14.6	11.0	11.1	12.6	11.1	13.2	8.4	8.4

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

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

TABLE 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN ON A FAIRWAY AT ST. PAUL, MN 1/
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	PERCENT COVER	GROUND FALL	MAY	JUN	QUALITY RATINGS				MEAN
							JUL	AUG	SEP	OCT	
PPG-FRC 127	4.0	6.0	83.7	7.3	8.3	7.0	6.3	6.3	6.3	6.9	
BAR FRC 130	3.3	5.0	70.3	7.7	7.7	6.7	6.3	7.0	5.7	6.8	
BRITTANY 2	3.7	6.0	82.3	8.0	7.7	6.3	6.3	5.7	6.0	6.7	
NAI-CHU1	4.3	6.0	83.0	7.3	7.3	6.7	6.0	6.0	6.7	6.7	
DLFPS-FRC-3105	4.0	5.7	78.0	6.7	8.0	6.3	6.3	6.0	5.3	6.4	
PPG-FRC-130	4.3	6.0	82.7	6.7	7.3	6.0	6.3	6.0	6.3	6.4	
PVF-MVP-2020	5.0	6.0	75.7	7.0	7.3	6.3	5.7	5.7	5.7	6.3	
JAMESTOWN VII	6.0	6.0	76.7	6.7	6.3	6.0	5.7	5.7	6.0	6.1	
BAR FRC 123	3.7	5.7	78.0	6.0	6.3	6.0	6.0	5.7	5.3	5.9	
SHADOW IV (PST-4SHAD)	4.0	6.0	77.0	7.0	6.0	6.0	5.0	5.3	5.0	5.7	
COMPASS II	4.0	6.0	79.0	6.0	6.0	5.7	5.0	5.7	5.3	5.6	
PST-4SWTM	4.3	5.0	78.3	7.0	6.3	5.7	5.0	4.7	4.0	5.4	
RAD-FC59	7.7	6.0	80.0	5.3	6.3	5.3	5.0	5.0	5.3	5.4	
LSD VALUE	1.1	0.7	9.6	2.0	1.4	1.8	2.0	1.2	1.1	1.0	
C.V. (%)	14.8	6.4	5.6	13.4	11.0	11.8	14.2	10.8	11.1	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 8C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS GROWN ON A FAIRWAY AT ST. PAUL, MN 1/ 2021 DATA

NAME	GENETIC COLOR	FALL DENSITY	PERCENT COVER	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/							MEAN
				GROUND FALL	MAY	JUN	QUALITY RATINGS				
							JUL	AUG	SEP	OCT	
BYE	4.3	6.0	82.3	6.0	6.0	6.0	6.0	5.7	5.7	6.0	5.9
STB1	5.0	4.7	75.7	6.0	5.0	5.0	6.0	6.0	6.0	5.7	5.6
5Z5	5.0	5.7	79.0	6.3	5.0	5.7	5.3	5.0	5.3	5.3	5.4
PPG-FRR-134	3.0	4.0	78.0	5.3	5.7	5.3	5.3	5.3	5.3	5.0	5.3
RAD-FR64	7.3	6.0	78.7	5.7	5.3	5.0	4.7	5.3	5.3	5.3	5.2
PPG-FRR 127	5.3	5.7	73.3	5.3	5.0	5.0	5.0	5.3	5.3	5.0	5.1
PVF-HSY+	5.0	6.0	71.7	6.0	4.7	5.0	5.3	5.0	4.3	4.3	5.1
KEVIN	6.7	6.0	72.7	5.3	4.7	4.7	5.0	5.3	5.0	5.0	5.0
PPG-FRR 132	5.0	6.0	69.7	6.3	5.0	4.0	4.7	4.0	4.3	4.3	4.7
DLF-FRR-3128	5.3	5.7	66.7	4.7	5.0	4.3	4.3	4.7	4.3	4.3	4.6
5Z2	5.3	6.0	74.7	4.7	5.0	4.7	4.3	4.3	4.0	4.0	4.5
FOXFIRE 2	5.0	6.0	76.0	4.7	4.3	4.3	4.0	4.0	4.7	4.3	4.3
CARDINAL II	7.3	6.0	71.7	4.7	4.0	3.7	4.3	4.7	4.0	4.2	4.2
BOREAL	2.0	4.0	48.0	5.0	3.3	3.7	3.0	2.7	2.3	3.3	3.3
LSD VALUE	1.0	1.4	11.4	1.7	0.8	1.0	1.2	1.0	1.5	0.7	
C.V. (%)	13.1	13.4	9.1	14.3	9.8	12.0	13.9	12.9	17.5	9.0	

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

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

TABLE 8D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN ON A FAIRWAY AT ST. PAUL, MN 1/
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	PERCENT GROUND COVER FALL	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
SWORD II (NAI-HAQ1+2)	5.3	6.0	83.3	6.3	7.0	7.0	7.0	6.7	6.0	6.7	
PVF-PDB-2020	5.0	6.0	86.7	5.7	6.3	6.7	6.0	6.3	6.7	6.3	
GLADIATOR	5.0	5.7	82.0	5.7	7.0	6.3	6.3	6.0	6.0	6.2	
PPG-FL 128	5.3	6.0	88.7	5.7	6.3	6.0	6.3	6.0	6.7	6.2	
TENACIOUS (NAI-HTB2)	6.3	6.0	87.7	5.3	6.3	6.7	6.7	5.7	6.3	6.2	
RESOLUTE	6.0	6.0	88.7	4.7	5.7	7.0	6.0	6.3	6.7	6.1	
DLFPS-FL-3104	6.3	6.3	86.0	5.0	6.3	6.3	5.7	5.7	5.7	5.8	
SPHD-20	6.0	6.0	88.7	5.0	6.3	6.0	6.0	5.7	5.3	5.7	
DA5-RHF	5.3	6.0	84.3	4.3	5.3	6.3	5.7	5.7	5.7	5.5	
BAR FT 135	7.0	5.7	79.3	4.3	5.0	4.7	4.7	4.7	4.7	4.7	
BAR FT 132	7.0	6.0	79.0	5.0	5.0	4.3	4.0	4.0	3.7	4.3	
LSD VALUE	2.0	0.8	9.3	2.2	1.3	1.0	0.8	1.0	1.2	0.8	
C.V. (%)	15.4	5.2	5.1	17.6	11.5	9.6	8.4	9.8	12.2	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 8E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SHEEP FESCUE CULTIVARS
GROWN ON A FAIRWAY AT ST. PAUL, MN 1/
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	PERCENT GROUND COVER				QUALITY RATINGS				MEAN
			FALL	MAY	JUN	JUL	AUG	SEP	OCT		
BLUE HORNET (PPG-FO-102)	7.3	6.0	89.3	5.0	5.0	5.3	5.0	4.7	5.7	5.1	
BAR FO 131	5.7	6.0	63.3	5.0	5.7	5.3	5.0	4.7	4.3	5.0	
QUATRO	6.0	6.3	88.7	4.3	4.7	4.7	4.3	4.3	5.0	4.6	
LSD VALUE	0.9	0.8	11.4	0.8	0.8	0.8	0.8	0.8	0.9	0.2	
C.V. (%)	6.4	5.5	6.1	7.0	6.5	6.5	7.0	7.3	8.2	1.4	

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 8F.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN ON A FAIRWAY AT ST. PAUL, MN 1/
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	PERCENT GROUND COVER				QUALITY RATINGS				MEAN
			FALL	MAY	JUN	JUL	AUG	SEP	OCT		
SEABREEZE GT	3.0	6.0	86.7	7.3	6.0	6.3	6.0	6.0	6.0	6.3	
BAR FRL 122	3.0	6.3	89.3	6.0	7.0	6.7	6.0	6.0	5.7	6.2	
LSD VALUE	0.9	0.8	11.4	0.8	0.8	0.8	0.8	0.8	0.9	0.2	
C.V. (%)	0.0	17.5	7.9	6.1	10.9	12.6	20.4	11.8	18.5	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 9A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS						OCT	NOV	MEAN
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP			
PPG-FRC 127	71.7	5.0	5.0	5.0	6.7	6.3	5.7	6.3	6.7	6.3	6.0	6.0	6.3
GLADIATOR	46.7	6.0	6.0	6.0	5.3	6.3	5.3	6.3	6.7	6.3	6.3	6.0	6.1
PPG-FRC-130	66.7	5.0	5.0	4.7	6.0	5.7	6.0	6.7	5.7	6.7	6.3	6.0	6.1
DLFPS-FL-3104	53.3	5.7	6.7	6.3	5.7	6.3	5.7	6.7	5.7	5.7	6.0	6.0	6.0
PPG-FL 128	53.3	6.7	6.7	6.7	5.3	5.3	5.7	6.0	6.3	6.3	6.3	6.0	5.9
PVF-PDB-2020	60.0	5.3	6.3	6.0	5.7	5.7	6.0	6.3	5.7	6.0	6.0	6.0	5.9
SWORD II (NAI-HAQ1+2)	43.3	6.3	6.0	6.0	5.0	5.7	6.0	6.3	5.7	6.3	6.3	5.7	5.9
BRITTANY 2	66.7	5.0	4.7	5.0	6.3	5.7	5.3	5.7	6.0	6.0	6.0	5.3	5.8
NAI-CHU1	70.0	5.0	5.0	5.0	5.7	5.0	5.7	6.7	6.0	6.3	6.0	5.3	5.8
TENACIOUS (NAI-HTB2)	56.7	6.0	6.0	6.0	5.7	6.0	5.7	6.3	5.3	5.3	6.0	5.7	5.8
DA5-RHF	66.7	6.0	6.0	5.7	4.3	5.3	6.0	6.0	5.3	6.0	6.3	5.7	5.6
DLFPS-FRC-3105	56.7	4.7	5.3	5.0	5.3	5.0	6.0	5.7	5.3	5.7	6.0	6.0	5.6
FOXFIRE 2	56.7	5.3	5.7	5.0	5.0	5.7	5.7	6.0	5.3	5.7	6.0	5.3	5.6
5Z5	53.3	5.3	5.0	4.7	5.3	5.7	5.0	6.0	5.7	5.7	5.7	5.0	5.5
BYE	56.7	4.7	4.7	5.0	5.3	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.5
COMPASS II	46.7	4.0	3.7	4.0	6.0	5.3	5.3	6.0	5.3	5.3	5.3	5.0	5.5
PPG-FRR 127	46.7	5.0	4.7	4.7	5.7	5.7	5.3	5.3	6.0	5.3	5.3	5.3	5.5
PPG-FRR 132	50.0	4.3	4.3	4.3	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.3	5.5
PVF-MVP-2020	70.0	5.3	5.3	5.0	6.3	5.0	5.3	5.7	5.0	5.0	6.0	6.0	5.5
RESOLUTE	60.0	5.7	5.3	6.0	5.3	5.3	5.3	6.3	5.7	5.7	5.7	5.0	5.5
BAR FRC 123	60.0	4.3	4.7	4.0	6.3	4.7	5.3	5.7	5.0	5.3	5.3	5.3	5.4
SPHD-20	56.7	5.7	5.3	5.3	4.7	5.7	5.0	5.3	5.7	5.7	5.7	5.3	5.4
BAR FT 135	46.7	5.3	5.3	4.3	5.3	6.0	4.3	5.3	5.3	5.3	5.3	5.3	5.3
BLUE HORNET (PPG-FO-102)	45.0	5.7	5.3	5.7	4.7	5.7	5.0	5.0	5.7	5.3	5.7	5.3	5.3
QUATRO	70.0	5.7	5.7	5.3	5.3	6.0	4.7	5.3	5.0	5.3	5.3	5.7	5.3
RAD-FC59	70.0	4.3	4.7	4.3	5.7	5.3	5.0	6.0	5.3	5.0	5.3	5.0	5.3
RAD-FR64	53.3	4.3	3.7	3.3	6.0	5.3	4.7	5.3	5.3	5.7	5.3	4.7	5.3
BAR FRC 130	56.7	4.3	4.0	3.7	5.0	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.2
BAR FT 132	50.0	5.0	5.7	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.7	4.7	5.2
CARDINAL II	50.0	5.0	4.3	4.7	6.0	5.7	4.7	5.0	5.0	5.3	5.3	4.7	5.2
DLF-FRR-3128	63.3	3.7	3.7	3.3	5.0	5.0	4.7	5.3	5.3	5.7	5.3	5.0	5.2
SHADOW IV (PST-4SHAD)	56.7	4.3	4.0	4.0	6.3	4.0	4.7	5.7	5.7	5.0	5.3	5.0	5.2
5Z2	53.3	4.7	4.0	4.0	4.7	5.3	4.3	5.3	5.3	5.3	5.3	5.3	5.1
JAMESTOWN VII	46.7	5.0	4.3	4.3	6.3	5.0	4.7	5.0	5.3	4.3	5.3	4.7	5.1
PPG-FRR-134	46.7	4.7	5.0	5.0	5.0	5.7	5.0	5.3	5.7	4.7	4.7	4.7	5.1
PVF-HSY+	56.7	3.3	4.0	3.7	5.0	5.7	4.7	5.0	5.3	5.3	5.0	5.0	5.1
BAR FRL 122	61.7	5.0	4.3	4.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	5.0	5.0
KEVIN	56.7	3.7	4.3	4.0	5.3	5.7	5.0	5.0	4.7	5.3	5.0	4.0	5.0
SEABREEZE GT	63.3	4.0	4.7	4.7	5.7	4.7	4.3	4.7	5.3	5.3	5.0	5.0	5.0
STB1	76.7	4.7	4.7	4.7	6.0	4.7	4.7	5.0	4.7	5.3	5.0	5.0	5.0
PST-4SWTM	56.7	4.0	4.0	3.7	4.3	5.0	4.7	5.0	5.0	5.0	5.0	5.0	4.9
BAR FO 131	56.7	3.7	3.7	3.7	4.3	4.3	4.7	5.0	5.0	5.0	5.0	5.0	4.8
BOREAL	50.0	3.3	4.0	4.0	5.7	5.7	4.0	4.7	4.7	4.0	4.0	3.7	4.5
LSD VALUE	14.7	0.9	0.8	0.7	1.3	0.9	0.8	0.8	1.0	0.8	0.8	0.6	0.5
C.V. (%)	14.5	11.8	10.3	10.0	12.2	9.2	9.1	8.2	9.5	9.1	8.1	7.6	5.4

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

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

TABLE 9B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS							MEAN	
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
PPG-FRC 127	71.7	5.0	5.0	5.0	6.7	6.3	5.7	6.3	6.7	6.3	6.0	6.0	6.3
PPG-FRC-130	66.7	5.0	5.0	4.7	6.0	5.7	6.0	6.7	5.7	6.7	6.3	6.0	6.1
BRITTANY 2	66.7	5.0	4.7	5.0	6.3	5.7	5.3	5.7	6.0	6.0	6.0	5.3	5.8
NAI-CHU1	70.0	5.0	5.0	5.0	5.7	5.0	5.7	6.7	6.0	6.3	6.0	5.3	5.8
DLFPS-FRC-3105	56.7	4.7	5.3	5.0	5.3	5.0	6.0	5.7	5.3	5.7	6.0	6.0	5.6
COMPASS II	46.7	4.0	3.7	4.0	6.0	5.3	5.3	6.0	5.3	5.3	5.3	5.0	5.5
PVF-MVP-2020	70.0	5.3	5.3	5.0	6.3	5.0	5.3	5.7	5.0	5.0	6.0	6.0	5.5
BAR FRC 123	60.0	4.3	4.7	4.0	6.3	4.7	5.3	5.7	5.0	5.3	5.3	5.3	5.4
RAD-FC59	70.0	4.3	4.7	4.3	5.7	5.3	5.0	6.0	5.3	5.0	5.3	5.0	5.3
BAR FRC 130	56.7	4.3	4.0	3.7	5.0	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.2
SHADOW IV (PST-4SHAD)	56.7	4.3	4.0	4.0	6.3	4.0	4.7	5.7	5.7	5.0	5.3	5.0	5.2
JAMESTOWN VII	46.7	5.0	4.3	4.3	6.3	5.0	4.7	5.0	5.3	4.3	5.3	4.7	5.1
PST-4SWTM	56.7	4.0	4.0	3.7	4.3	5.0	4.7	5.0	5.0	5.0	5.0	5.0	4.9
LSD VALUE	18.2	0.9	0.9	0.8	1.0	0.7	1.0	0.9	0.9	0.8	0.7	0.6	0.3
C.V. (%)	15.0	10.2	10.3	9.9	9.8	8.3	9.2	8.6	8.4	8.3	7.0	6.2	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 9C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS								
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
FOXFIRE 2	56.7	5.3	5.7	5.0	5.0	5.7	5.7	6.0	5.3	5.7	6.0	5.3	5.6
5Z5	53.3	5.3	5.0	4.7	5.3	5.7	5.0	6.0	5.7	5.7	5.7	5.0	5.5
BYE	56.7	4.7	4.7	5.0	5.3	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.5
PPG-FRR 127	46.7	5.0	4.7	4.7	5.7	5.7	5.3	5.3	6.0	5.3	5.3	5.3	5.5
PPG-FRR 132	50.0	4.3	4.3	4.3	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.3	5.5
RAD-FR64	53.3	4.3	3.7	3.3	6.0	5.3	4.7	5.3	5.3	5.7	5.3	4.7	5.3
CARDINAL II	50.0	5.0	4.3	4.7	6.0	5.7	4.7	5.0	5.0	5.3	5.3	4.7	5.2
DLF-FRR-3128	63.3	3.7	3.7	3.3	5.0	5.0	4.7	5.3	5.3	5.7	5.3	5.0	5.2
5Z2	53.3	4.7	4.0	4.0	4.7	5.3	4.3	5.3	5.3	5.3	5.3	5.3	5.1
PPG-FRR-134	46.7	4.7	5.0	5.0	5.0	5.7	5.0	5.3	5.7	4.7	4.7	4.7	5.1
PVF-HSY+	56.7	3.3	4.0	3.7	5.0	5.7	4.7	5.0	5.3	5.3	5.0	5.0	5.1
KEVIN	56.7	3.7	4.3	4.0	5.3	5.7	5.0	5.0	4.7	5.3	5.0	4.0	5.0
STB1	76.7	4.7	4.7	4.7	6.0	4.7	4.7	5.0	4.7	5.3	5.0	5.0	5.0
BOREAL	50.0	3.3	4.0	4.0	5.7	5.7	4.0	4.7	4.7	4.0	4.0	3.7	4.5
LSD VALUE	12.4	1.1	0.9	0.7	1.9	1.6	0.9	0.8	1.2	1.1	0.9	0.8	0.7
C.V. (%)	12.5	14.1	11.2	10.2	13.3	10.4	9.6	7.9	10.1	10.1	8.9	9.2	6.2

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 9D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS							MEAN	
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
GLADIATOR	46.7	6.0	6.0	6.0	5.3	6.3	5.3	6.3	6.7	6.3	6.3	6.0	6.1
DLFPS-FL-3104	53.3	5.7	6.7	6.3	5.7	6.3	5.7	6.7	5.7	5.7	6.0	6.0	6.0
PPG-FL 128	53.3	6.7	6.7	6.7	5.3	5.3	5.7	6.0	6.3	6.3	6.3	6.0	5.9
PVF-PDB-2020	60.0	5.3	6.3	6.0	5.7	5.7	6.0	6.3	5.7	6.0	6.0	6.0	5.9
SWORD II (NAI-HAQ1+2)	43.3	6.3	6.0	6.0	5.0	5.7	6.0	6.3	5.7	6.3	6.3	5.7	5.9
TENACIOUS (NAI-HTB2)	56.7	6.0	6.0	6.0	5.7	6.0	5.7	6.3	5.3	5.3	6.0	5.7	5.8
DA5-RHF	66.7	6.0	6.0	5.7	4.3	5.3	6.0	6.0	5.3	6.0	6.3	5.7	5.6
RESOLUTE	60.0	5.7	5.3	6.0	5.3	5.3	5.3	6.3	5.7	5.7	5.7	5.0	5.5
SPHD-20	56.7	5.7	5.3	5.3	4.7	5.7	5.0	5.3	5.7	5.7	5.7	5.3	5.4
BAR FT 135	46.7	5.3	5.3	4.3	5.3	6.0	4.3	5.3	5.3	5.3	5.3	5.3	5.3
BAR FT 132	50.0	5.0	5.7	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.7	4.7	5.2
LSD VALUE	19.3	1.2	0.9	0.9	1.9	1.3	0.8	1.1	1.2	1.0	1.2	0.9	0.8
C.V. (%)	16.2	9.8	8.1	8.8	13.8	9.4	8.0	9.0	9.8	8.6	8.3	8.0	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 9E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SHEEP FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS									MEAN
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
BLUE HORNET (PPG-FO-102)	45.0	5.7	5.3	5.7	4.7	5.7	5.0	5.0	5.7	5.3	5.7	5.3	5.3	
QUATRO	70.0	5.7	5.7	5.3	5.3	6.0	4.7	5.3	5.0	5.3	5.3	5.7	5.3	
BAR FO 131	56.7	3.7	3.7	3.7	4.3	4.3	4.7	5.0	5.0	5.0	5.0	5.0	4.8	
LSD VALUE	22.6	1.3	1.2	1.5	0.8	1.3	1.2	0.8	0.8	1.2	0.9	0.9	0.5	
C.V. (%)	17.0	11.5	10.8	13.6	7.0	10.8	11.0	6.5	6.4	10.1	7.7	7.7	4.1	

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

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

TABLE 9F.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE			QUALITY RATINGS									MEAN
		MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
BAR FRL 122	61.7	5.0	4.3	4.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	5.0	5.0	
SEABREEZE GT	63.3	4.0	4.7	4.7	5.7	4.7	4.3	4.7	5.3	5.3	5.0	5.0	5.0	
LSD VALUE	22.6	1.3	1.2	1.5	0.8	1.3	1.2	0.8	0.8	1.2	0.9	0.9	0.5	
C.V. (%)	19.9	15.7	9.1	9.1	7.7	8.4	8.7	8.4	16.3	7.9	0.0	0.0	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.

TABLE 10A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	QUALITY RATINGS			MEAN
								MAY	JUN	JUL	
BLUE HORNET (PPG-FO-102)	6.0	5.7	8.3	7.0	6.0	6.0	3.0	4.3	6.0	6.3	4.9
DA5-RHF	6.3	7.0	7.3	7.0	6.3	6.3	3.3	4.0	5.7	6.3	4.8
DLFPS-FL-3104	7.0	6.3	7.3	6.7	6.3	6.3	3.3	3.7	6.0	6.0	4.8
SPHD-20	6.7	6.3	8.0	6.7	6.3	7.0	2.7	4.0	6.0	6.7	4.8
TENACIOUS (NAI-HTB2)	6.3	7.3	7.7	6.7	6.7	6.7	3.0	3.3	6.0	6.7	4.8
BAR FRC 123	6.0	6.3	8.7	7.0	6.0	6.7	2.7	3.7	6.7	5.3	4.6
COMPASS II	6.0	6.3	7.3	6.7	6.0	7.3	2.7	3.3	6.0	6.0	4.5
PVF-PDB-2020	6.0	7.3	8.3	5.7	5.7	6.7	3.0	3.3	6.0	5.7	4.5
SHADOW IV (PST-4SHAD)	6.0	7.0	7.3	6.3	6.0	7.3	2.7	3.3	6.3	5.7	4.5
SWORD II (NAI-HAQ1+2)	6.0	7.0	7.7	6.3	6.0	7.3	3.3	4.7	4.7	5.0	4.4
BAR FRC 130	5.0	5.0	8.0	6.7	6.0	7.0	2.0	2.7	6.3	6.3	4.3
BAR FT 132	6.7	6.7	7.7	7.0	6.0	6.7	2.7	3.3	5.7	5.7	4.3
BAR FT 135	6.0	7.0	6.3	6.0	5.7	6.0	3.3	3.7	4.7	5.3	4.3
GLADIATOR	6.7	6.0	7.7	6.0	5.3	6.7	2.3	3.7	5.7	5.7	4.3
NAI-CHU1	5.7	6.3	7.7	6.3	5.7	6.3	2.7	3.0	6.3	5.3	4.3
PPG-FRC-130	6.3	6.3	8.0	6.0	5.7	7.7	2.7	3.3	5.7	5.3	4.3
PVF-HSY+	6.0	7.3	7.0	5.3	6.3	7.3	3.0	3.3	5.7	5.3	4.3
5Z5	6.7	7.0	7.0	6.3	6.7	6.3	2.3	3.0	5.7	5.7	4.2
PST-4SWTM	5.3	7.3	7.7	6.3	5.7	7.7	2.7	3.0	5.7	5.3	4.2
QUATRO	6.7	5.3	8.0	6.3	6.0	6.7	2.7	3.7	5.7	4.7	4.2
PPG-FRC 127	5.7	6.0	7.0	5.3	6.3	6.3	2.3	3.3	5.7	5.0	4.1
PPG-FRR-134	6.0	6.7	7.0	6.0	6.0	7.0	2.3	2.7	5.7	5.7	4.1
STB1	6.0	6.7	7.3	4.7	6.0	7.3	2.3	3.0	6.0	5.0	4.1
BRITTANY 2	6.0	5.3	7.3	7.0	6.7	7.3	2.0	3.3	6.0	4.7	4.0
PVF-MVP-2020	5.7	5.7	7.3	6.0	6.3	7.0	2.0	3.0	5.7	5.0	3.9
RAD-FC59	6.7	5.7	7.3	6.0	6.7	6.7	2.0	2.7	5.7	5.3	3.9
RAD-FR64	7.0	7.3	7.3	6.3	5.7	6.3	2.3	3.0	5.0	5.3	3.9
DLF-FRR-3128	6.3	6.3	7.0	5.3	6.3	6.7	2.3	2.7	5.3	4.7	3.8
DLFPS-FRC-3105	5.0	6.7	7.3	6.3	5.0	5.7	2.7	3.3	4.3	5.0	3.8
PPG-FL 128	6.3	6.3	7.3	5.7	6.7	7.3	2.3	3.3	4.7	5.0	3.8
PPG-FRR 127	6.3	6.7	7.3	5.3	6.3	6.7	2.7	3.0	4.7	4.7	3.8
PPG-FRR 132	6.0	7.0	6.3	5.3	6.7	6.7	2.3	3.0	5.0	5.0	3.8
RESOLUTE	6.7	6.3	7.3	6.0	6.0	7.0	2.3	3.0	4.7	5.0	3.8
FOXFIRE 2	6.3	7.3	7.0	5.0	6.7	7.3	2.3	2.3	5.3	4.7	3.7
JAMESTOWN VII	6.0	5.0	7.3	5.3	6.0	6.0	2.0	3.0	4.7	5.0	3.7
SEABREEZE GT	5.0	6.7	7.3	6.7	5.0	5.3	3.0	3.0	4.7	4.0	3.7
BAR FO 131	7.0	5.3	7.3	6.7	5.7	5.7	2.0	2.7	4.7	5.0	3.6
BYE	5.7	6.7	7.7	5.0	6.0	6.7	2.0	2.7	5.0	4.7	3.6
5Z2	6.7	6.3	6.7	5.3	6.0	7.0	2.0	3.0	4.3	4.7	3.5
CARDINAL II	5.7	6.7	7.0	4.7	6.0	6.3	2.0	2.7	5.0	4.3	3.5
KEVIN	6.0	5.3	6.7	5.3	6.7	6.7	2.0	3.0	4.3	4.3	3.4
BAR FRL 122	6.0	5.7	7.3	5.7	5.3	6.0	2.0	2.7	4.3	4.3	3.3
BOREAL	3.7	5.7	6.7	3.7	6.3	6.0	2.3	3.3	4.3	3.3	3.3
LSD VALUE	1.3	2.1	2.1	2.8	2.7	2.4	0.9	1.2	3.4	3.6	1.4
C.V. (%)	11.5	14.1	10.2	18.0	12.5	12.6	18.8	18.3	19.8	21.6	14.2

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

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

TABLE 10B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	QUALITY RATINGS			MEAN
								MAY	JUN	JUL	
BAR FRC 123	6.0	6.3	8.7	7.0	6.0	6.7	2.7	3.7	6.7	5.3	4.6
COMPASS II	6.0	6.3	7.3	6.7	6.0	7.3	2.7	3.3	6.0	6.0	4.5
SHADOW IV (PST-4SHAD)	6.0	7.0	7.3	6.3	6.0	7.3	2.7	3.3	6.3	5.7	4.5
BAR FRC 130	5.0	5.0	8.0	6.7	6.0	7.0	2.0	2.7	6.3	6.3	4.3
NAI-CHU1	5.7	6.3	7.7	6.3	5.7	6.3	2.7	3.0	6.3	5.3	4.3
PPG-FRC-130	6.3	6.3	8.0	6.0	5.7	7.7	2.7	3.3	5.7	5.3	4.3
PST-4SWTM	5.3	7.3	7.7	6.3	5.7	7.7	2.7	3.0	5.7	5.3	4.2
PPG-FRC 127	5.7	6.0	7.0	5.3	6.3	6.3	2.3	3.3	5.7	5.0	4.1
BRITTANY 2	6.0	5.3	7.3	7.0	6.7	7.3	2.0	3.3	6.0	4.7	4.0
PVF-MVP-2020	5.7	5.7	7.3	6.0	6.3	7.0	2.0	3.0	5.7	5.0	3.9
RAD-FC59	6.7	5.7	7.3	6.0	6.7	6.7	2.0	2.7	5.7	5.3	3.9
DLFPS-FRC-3105	5.0	6.7	7.3	6.3	5.0	5.7	2.7	3.3	4.3	5.0	3.8
JAMESTOWN VII	6.0	5.0	7.3	5.3	6.0	6.0	2.0	3.0	4.7	5.0	3.7
LSD VALUE	1.7	2.0	2.3	2.2	2.3	1.7	1.2	1.7	2.0	3.2	1.5
C.V. (%)	12.0	14.8	10.7	13.7	13.7	11.2	20.1	18.3	15.2	19.6	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 10C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	QUALITY RATINGS			MEAN
								MAY	JUN	JUL	
PVF-HSY+	6.0	7.3	7.0	5.3	6.3	7.3	3.0	3.3	5.7	5.3	4.3
5Z5	6.7	7.0	7.0	6.3	6.7	6.3	2.3	3.0	5.7	5.7	4.2
PPG-FRR-134	6.0	6.7	7.0	6.0	6.0	7.0	2.3	2.7	5.7	5.7	4.1
STB1	6.0	6.7	7.3	4.7	6.0	7.3	2.3	3.0	6.0	5.0	4.1
RAD-FR64	7.0	7.3	7.3	6.3	5.7	6.3	2.3	3.0	5.0	5.3	3.9
DLF-FRR-3128	6.3	6.3	7.0	5.3	6.3	6.7	2.3	2.7	5.3	4.7	3.8
PPG-FRR 127	6.3	6.7	7.3	5.3	6.3	6.7	2.7	3.0	4.7	4.7	3.8
PPG-FRR 132	6.0	7.0	6.3	5.3	6.7	6.7	2.3	3.0	5.0	5.0	3.8
FOXFIRE 2	6.3	7.3	7.0	5.0	6.7	7.3	2.3	2.3	5.3	4.7	3.7
BYE	5.7	6.7	7.7	5.0	6.0	6.7	2.0	2.7	5.0	4.7	3.6
5Z2	6.7	6.3	6.7	5.3	6.0	7.0	2.0	3.0	4.3	4.7	3.5
CARDINAL II	5.7	6.7	7.0	4.7	6.0	6.3	2.0	2.7	5.0	4.3	3.5
KEVIN	6.0	5.3	6.7	5.3	6.7	6.7	2.0	3.0	4.3	4.3	3.4
BOREAL	3.7	5.7	6.7	3.7	6.3	6.0	2.3	3.3	4.3	3.3	3.3
LSD VALUE	1.4	2.2	2.2	3.0	2.9	3.2	1.2	1.0	2.9	1.9	1.3
C.V. (%)	12.6	13.3	10.4	21.6	14.1	14.9	19.4	14.1	19.9	16.8	12.7

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 10D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										MEAN
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	QUALITY RATINGS			
							MAY	JUN	JUL		
DA5-RHF	6.3	7.0	7.3	7.0	6.3	6.3	3.3	4.0	5.7	6.3	4.8
DLFPS-FL-3104	7.0	6.3	7.3	6.7	6.3	6.3	3.3	3.7	6.0	6.0	4.8
SPHD-20	6.7	6.3	8.0	6.7	6.3	7.0	2.7	4.0	6.0	6.7	4.8
TENACIOUS (NAI-HTB2)	6.3	7.3	7.7	6.7	6.7	6.7	3.0	3.3	6.0	6.7	4.8
PVF-PDB-2020	6.0	7.3	8.3	5.7	5.7	6.7	3.0	3.3	6.0	5.7	4.5
SWORD II (NAI-HAQ1+2)	6.0	7.0	7.7	6.3	6.0	7.3	3.3	4.7	4.7	5.0	4.4
BAR FT 132	6.7	6.7	7.7	7.0	6.0	6.7	2.7	3.3	5.7	5.7	4.3
BAR FT 135	6.0	7.0	6.3	6.0	5.7	6.0	3.3	3.7	4.7	5.3	4.3
GLADIATOR	6.7	6.0	7.7	6.0	5.3	6.7	2.3	3.7	5.7	5.7	4.3
PPG-FL 128	6.3	6.3	7.3	5.7	6.7	7.3	2.3	3.3	4.7	5.0	3.8
RESOLUTE	6.7	6.3	7.3	6.0	6.0	7.0	2.3	3.0	4.7	5.0	3.8
LSD VALUE	2.0	3.1	2.0	3.6	1.6	2.5	1.0	1.5	3.7	4.5	2.0
C.V. (%)	10.9	15.8	10.4	19.3	10.8	13.2	17.1	17.8	24.2	26.8	16.3

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

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

TABLE 10E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SHEEP FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	QUALITY RATINGS			MEAN
								MAY	JUN	JUL	
BLUE HORNET (PPG-FO-102)	6.0	5.7	8.3	7.0	6.0	6.0	3.0	4.3	6.0	6.3	4.9
QUATRO	6.7	5.3	8.0	6.3	6.0	6.7	2.7	3.7	5.7	4.7	4.2
BAR FO 131	7.0	5.3	7.3	6.7	5.7	5.7	2.0	2.7	4.7	5.0	3.6
LSD VALUE	1.5	1.2	1.5	2.7	1.8	0.8	1.5	2.0	2.0	2.7	1.4
C.V. (%)	10.2	9.7	8.5	17.3	13.3	5.5	26.1	24.8	16.2	21.7	14.6

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 10F.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
FOR SALT TOLERANCE STUDY AT FORT COLLINS, CO 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	COLOR NOVEMBER	MOW QUALITY	APR	MAY	QUALITY RATINGS		MEAN
									JUN	JUL	
SEABREEZE GT	5.0	6.7	7.3	6.7	5.0	5.3	3.0	3.0	4.7	4.0	3.7
BAR FRL 122	6.0	5.7	7.3	5.7	5.3	6.0	2.0	2.7	4.3	4.3	3.3
LSD VALUE	1.5	1.2	1.5	2.7	1.8	0.8	1.5	2.0	2.0	2.7	1.4
C.V. (%)	12.9	11.5	0.0	22.9	7.9	7.2	0.0	14.4	32.7	39.2	23.9

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

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

TABLE 11A.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT NEWARK, DE 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/									
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
PPG-FL 128	6.7	7.7	7.7	7.3	7.7	7.7	7.3	7.0	7.4	
DLFPS-FRC-3105	6.7	6.7	6.3	7.0	7.3	7.0	7.3	6.0	6.8	
BAR FT 135	6.7	6.7	6.7	6.3	5.7	7.3	7.3	7.0	6.7	
DLFPS-FL-3104	5.7	6.0	6.0	6.0	7.0	7.3	7.3	6.7	6.5	
PPG-FRC-130	7.0	7.3	6.7	6.0	6.7	6.3	6.0	6.0	6.5	
PPG-FRR 132	6.3	6.7	6.3	6.0	6.7	7.0	7.3	6.0	6.5	
PVF-MVP-2020	7.0	7.0	6.3	6.0	6.0	7.0	6.7	6.3	6.5	
BAR FO 131	7.0	6.7	6.7	6.3	6.3	6.3	6.3	5.7	6.4	
STB1	6.3	6.3	6.7	6.0	5.7	6.3	6.7	6.0	6.3	
BAR FRL 122	6.3	6.7	6.3	5.7	6.0	6.0	6.3	6.0	6.2	
DLF-FRR-3128	6.3	6.0	6.3	5.3	6.3	6.7	6.7	6.0	6.2	
FOXFIRE 2	6.3	6.3	5.7	6.0	5.3	6.7	7.0	6.3	6.2	
PPG-FRC 127	7.3	7.0	7.3	4.7	5.7	5.7	6.0	5.7	6.2	
SPHD-20	5.3	6.3	5.7	5.7	7.0	7.0	6.7	6.0	6.2	
RESOLUTE	5.3	6.7	6.0	5.3	6.0	6.7	6.7	6.0	6.1	
TENACIOUS (NAI-HTB2)	5.3	6.3	6.3	5.7	6.0	6.7	6.0	5.3	6.0	
5Z2	6.7	6.0	6.0	5.0	5.3	6.3	6.3	5.7	5.9	
SWORD II (NAI-HAQ1+2)	5.7	6.3	5.7	5.7	6.0	6.3	6.3	5.3	5.9	
JAMESTOWN VII	6.3	6.3	5.7	5.3	6.0	5.7	5.3	5.3	5.8	
PPG-FRR-134	5.3	5.7	6.0	5.3	6.0	6.3	6.3	5.7	5.8	
RAD-FR64	6.7	6.3	5.0	5.3	6.0	6.0	6.0	5.3	5.8	
GLADIATOR	4.7	5.7	5.7	5.3	6.3	6.3	6.0	5.3	5.7	
BAR FRC 123	6.3	6.3	5.3	5.0	6.0	5.7	5.3	4.7	5.6	
BRITTANY 2	6.0	6.0	5.7	5.0	5.3	6.0	5.7	5.0	5.6	
NAI-CHU1	6.3	6.3	6.0	4.3	5.3	6.0	5.3	5.3	5.6	
BYE	6.3	6.7	5.3	4.3	5.7	5.3	5.0	5.0	5.5	
COMPASS II	7.0	6.0	5.7	4.7	5.3	5.3	5.7	4.7	5.5	
SEABREEZE GT	5.7	5.7	5.3	4.3	5.0	6.3	5.7	5.3	5.4	
SHADOW IV (PST-4SHAD)	6.0	6.3	5.3	6.0	5.0	4.7	5.3	4.7	5.4	
BLUE HORNET (PPG-FO-102)	5.3	5.3	5.3	5.3	5.7	5.7	5.3	4.3	5.3	
CARDINAL II	6.0	6.0	5.7	4.0	4.7	5.7	5.7	5.0	5.3	
PST-4SWTM	6.3	6.0	6.0	5.3	4.7	5.3	4.7	4.3	5.3	
PVF-PDB-2020	5.0	5.7	4.7	5.3	5.7	6.0	5.3	5.0	5.3	
DA5-RHF	5.0	4.7	4.7	5.0	5.0	5.3	6.0	5.0	5.1	
PVF-HSY+	5.3	5.3	5.0	4.7	5.3	5.3	5.3	4.3	5.1	
5Z5	5.3	5.7	4.7	4.7	5.0	5.0	5.0	5.0	5.0	
BAR FRC 130	6.7	6.3	6.0	4.0	4.3	4.3	4.0	3.7	4.9	
BAR FT 132	5.3	5.3	4.7	4.7	4.7	5.7	4.7	4.3	4.9	
KEVIN	5.3	5.3	5.3	4.7	4.7	4.7	4.7	4.3	4.9	
PPG-FRR 127	6.3	5.7	5.0	3.3	4.7	4.7	5.0	4.7	4.9	
QUATRO	4.7	4.7	6.0	4.0	4.3	4.7	4.3	4.3	4.6	
RAD-FC59	5.7	5.7	5.3	3.3	3.3	3.7	3.3	3.0	4.2	
BOREAL	4.7	5.0	5.3	3.7	3.7	3.3	3.3	3.3	4.0	
LSD VALUE	2.5	3.3	5.8	6.0	7.0	5.7	5.3	5.7	4.7	
C.V. (%)	16.5	17.1	23.8	31.1	31.2	27.9	28.4	29.9	22.2	

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

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

TABLE 11B. MEAN TURFGRASS QUALITY RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT NEWARK, DE 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLFPS-FRC-3105	6.7	6.7	6.3	7.0	7.3	7.0	7.3	6.0	6.8
PPG-FRC-130	7.0	7.3	6.7	6.0	6.7	6.3	6.0	6.0	6.5
PVF-MVP-2020	7.0	7.0	6.3	6.0	6.0	7.0	6.7	6.3	6.5
PPG-FRC 127	7.3	7.0	7.3	4.7	5.7	5.7	6.0	5.7	6.2
JAMESTOWN VII	6.3	6.3	5.7	5.3	6.0	5.7	5.3	5.3	5.8
BAR FRC 123	6.3	6.3	5.3	5.0	6.0	5.7	5.3	4.7	5.6
BRITTANY 2	6.0	6.0	5.7	5.0	5.3	6.0	5.7	5.0	5.6
NAI-CHU1	6.3	6.3	6.0	4.3	5.3	6.0	5.3	5.3	5.6
COMPASS II	7.0	6.0	5.7	4.7	5.3	5.3	5.7	4.7	5.5
SHADOW IV (PST-4SHAD)	6.0	6.3	5.3	6.0	5.0	4.7	5.3	4.7	5.4
PST-4SWTM	6.3	6.0	6.0	5.3	4.7	5.3	4.7	4.3	5.3
BAR FRC 130	6.7	6.3	6.0	4.0	4.3	4.3	4.0	3.7	4.9
RAD-FC59	5.7	5.7	5.3	3.3	3.3	3.7	3.3	3.0	4.2
LSD VALUE	2.8	2.5	4.6	4.2	5.2	5.0	4.5	4.1	3.3
C.V. (%)	14.7	13.9	24.5	31.2	34.2	31.7	31.4	31.4	21.4

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

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

TABLE 11C. MEAN TURFGRASS QUALITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS IN THE 2020 NATIONAL FINELEAF FESCUE TEST AT NEWARK, DE 1/ 2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-FRR 132	6.3	6.7	6.3	6.0	6.7	7.0	7.3	6.0	6.5
STB1	6.3	6.3	6.7	6.0	5.7	6.3	6.7	6.0	6.3
DLF-FRR-3128	6.3	6.0	6.3	5.3	6.3	6.7	6.7	6.0	6.2
FOXFIRE 2	6.3	6.3	5.7	6.0	5.3	6.7	7.0	6.3	6.2
5Z2	6.7	6.0	6.0	5.0	5.3	6.3	6.3	5.7	5.9
PPG-FRR-134	5.3	5.7	6.0	5.3	6.0	6.3	6.3	5.7	5.8
RAD-FR64	6.7	6.3	5.0	5.3	6.0	6.0	6.0	5.3	5.8
BYE	6.3	6.7	5.3	4.3	5.7	5.3	5.0	5.0	5.5
CARDINAL II	6.0	6.0	5.7	4.0	4.7	5.7	5.7	5.0	5.3
PVF-HSY+	5.3	5.3	5.0	4.7	5.3	5.3	5.3	4.3	5.1
5Z5	5.3	5.7	4.7	4.7	5.0	5.0	5.0	5.0	5.0
KEVIN	5.3	5.3	5.3	4.7	4.7	4.7	4.7	4.3	4.9
PPG-FRR 127	6.3	5.7	5.0	3.3	4.7	4.7	5.0	4.7	4.9
BOREAL	4.7	5.0	5.3	3.7	3.7	3.3	3.3	3.3	4.0
LSD VALUE	2.3	3.2	3.4	3.6	4.2	3.5	3.4	3.4	3.0
C.V. (%)	15.4	18.0	20.9	28.2	27.4	25.3	25.6	25.2	20.4

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 11D.

MEAN TURFGRASS QUALITY RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER SHADE AT NEWARK, DE 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-FL 128	6.7	7.7	7.7	7.3	7.7	7.7	7.3	7.0	7.4
BAR FT 135	6.7	6.7	6.7	6.3	5.7	7.3	7.3	7.0	6.7
DLFPS-FL-3104	5.7	6.0	6.0	6.0	7.0	7.3	7.3	6.7	6.5
SPHD-20	5.3	6.3	5.7	5.7	7.0	7.0	6.7	6.0	6.2
RESOLUTE	5.3	6.7	6.0	5.3	6.0	6.7	6.7	6.0	6.1
TENACIOUS (NAI-HTB2)	5.3	6.3	6.3	5.7	6.0	6.7	6.0	5.3	6.0
SWORD II (NAI-HAQ1+2)	5.7	6.3	5.7	5.7	6.0	6.3	6.3	5.3	5.9
GLADIATOR	4.7	5.7	5.7	5.3	6.3	6.3	6.0	5.3	5.7
PVF-PDB-2020	5.0	5.7	4.7	5.3	5.7	6.0	5.3	5.0	5.3
DA5-RHF	5.0	4.7	4.7	5.0	5.0	5.3	6.0	5.0	5.1
BAR FT 132	5.3	5.3	4.7	4.7	4.7	5.7	4.7	4.3	4.9
LSD VALUE	1.9	2.1	3.6	4.8	4.3	3.8	3.7	4.1	3.2
C.V. (%)	15.3	15.8	24.7	29.2	26.2	21.2	22.7	26.9	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 11E. MEAN TURFGRASS QUALITY RATINGS OF SHEEP FESCUE CULTIVARS
GROWN UNDER SHADE AT NEWARK, DE 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR FO 131	7.0	6.7	6.7	6.3	6.3	6.3	6.3	5.7	6.4
BLUE HORNET (PPG-FO-102)	5.3	5.3	5.3	5.3	5.7	5.7	5.3	4.3	5.3
QUATRO	4.7	4.7	6.0	4.0	4.3	4.7	4.3	4.3	4.6
LSD VALUE	3.8	3.6	3.4	4.9	4.1	4.7	5.4	6.2	4.2
C.V. (%)	28.8	28.1	24.5	40.4	32.4	36.5	43.3	55.8	33.3

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

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

TABLE 11F. MEAN TURFGRASS QUALITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT NEWARK, DE 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR FRL 122	6.3	6.7	6.3	5.7	6.0	6.0	6.3	6.0	6.2
SEABREEZE GT	5.7	5.7	5.3	4.3	5.0	6.3	5.7	5.3	5.4
LSD VALUE	3.8	3.6	3.4	4.9	4.1	4.7	5.4	6.2	4.2
C.V. (%)	6.8	11.5	24.2	21.6	12.9	13.2	13.6	14.4	11.5

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 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN
										AUG	SEP	OCT	NOV	
5Z2	7.3	6.3	5.3	7.0	5.7	6.3	7.3	7.0	7.0	6.3	6.3	7.0	6.7	6.8
BYE	7.0	8.0	6.7	6.3	6.3	7.0	7.0	7.0	6.7	6.7	6.0	6.7	7.0	6.8
FOXFIRE 2	7.0	6.7	7.3	7.3	6.7	7.0	7.0	7.0	7.0	6.7	6.0	6.3	7.0	6.8
PPG-FRR 127	7.7	7.0	5.7	7.0	6.0	6.0	7.0	7.0	6.7	6.7	6.7	6.7	7.0	6.8
PPG-FRR 132	6.3	7.3	5.7	6.3	6.0	6.7	7.3	7.0	6.7	6.0	6.3	6.3	7.0	6.7
PST-4SWTM	6.7	5.3	5.0	6.3	7.7	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7
RAD-FC59	7.7	6.0	4.3	6.0	6.7	6.0	7.0	7.0	6.7	6.7	6.3	6.7	7.0	6.7
RAD-FR64	7.0	6.7	6.3	7.0	6.0	7.0	7.0	7.0	6.7	6.3	6.0	6.7	7.0	6.7
5Z5	6.7	7.3	6.7	6.0	6.0	7.0	7.0	7.0	6.7	6.3	6.0	6.0	6.7	6.6
KEVIN	7.3	7.3	5.7	5.7	6.3	6.7	7.0	7.0	6.7	6.7	6.0	6.3	6.3	6.6
SWORD II (NAI-HAQ1+2)	7.0	6.0	5.7	6.7	6.7	6.3	7.0	6.7	6.7	6.0	6.7	6.7	6.7	6.6
BAR FT 135	6.0	4.3	6.0	6.7	7.0	6.0	7.3	7.0	7.0	6.7	5.7	6.3	6.0	6.5
BOREAL	6.3	6.0	5.3	7.7	6.0	6.0	7.0	7.0	6.7	6.7	5.3	6.3	6.7	6.5
CARDINAL II	8.0	8.0	6.7	7.0	6.0	6.7	7.3	6.7	7.0	6.0	5.7	6.0	7.0	6.5
DA5-RHF	5.7	6.0	5.3	7.0	6.7	6.3	6.7	6.3	7.3	6.3	6.3	6.0	6.7	6.5
DLF-FRR-3128	7.7	7.0	7.0	6.0	7.0	6.7	7.3	6.3	6.3	6.7	6.0	6.3	6.3	6.5
JAMESTOWN VII	5.3	6.0	4.7	6.7	7.3	6.0	6.3	6.7	6.7	6.3	6.7	6.7	7.0	6.5
PPG-FRR-134	7.0	7.3	5.7	6.7	5.7	6.3	7.0	6.7	6.3	6.7	6.0	6.3	6.3	6.5
PVF-MVP-2020	6.7	5.3	4.7	5.7	5.7	6.3	7.0	6.7	6.3	6.3	6.0	7.0	6.7	6.5
PVF-PDB-2020	6.3	5.3	5.3	5.3	6.7	6.0	6.3	6.7	6.3	6.3	7.0	6.7	7.0	6.5
RESOLUTE	5.7	6.0	7.0	6.3	6.7	7.0	6.3	6.3	6.7	6.7	6.7	6.3	5.7	6.5
SEABREEZE GT	5.7	6.7	6.3	7.0	7.0	6.7	7.0	7.0	7.0	6.0	6.0	6.3	6.3	6.5
SHADOW IV (PST-4SHAD)	5.7	5.3	6.3	7.3	6.7	6.3	7.0	7.0	7.0	6.0	6.3	6.7	6.0	6.5
STB1	6.3	6.3	5.0	7.0	6.0	6.3	6.7	6.7	6.7	6.7	6.0	6.3	6.7	6.5
BAR FO 131	7.3	6.7	6.7	6.7	6.0	6.7	7.0	6.3	6.7	6.7	5.7	6.3	6.0	6.4
BAR FT 132	5.7	6.0	6.3	7.7	5.0	6.3	6.7	7.0	7.0	6.0	6.3	5.7	6.3	6.4
DLFPS-FRC-3105	4.7	6.0	5.7	6.7	7.7	6.7	6.3	6.7	6.7	6.0	6.0	6.3	6.3	6.4
PVF-HSY+	8.0	7.3	5.7	7.3	5.0	6.7	7.0	6.3	6.3	6.3	5.7	6.3	6.3	6.4
TENACIOUS (NAI-HTB2)	6.0	5.3	6.0	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.0	5.7	6.4
BAR FRC 123	5.7	5.7	5.0	7.0	6.7	6.0	7.0	6.7	6.7	6.0	5.7	6.0	6.3	6.3
BLUE HORNET (PPG-FO-102)	6.7	6.0	6.0	6.0	7.7	6.3	6.7	6.3	7.0	6.0	5.7	6.7	5.7	6.3
BRITTANY 2	5.0	6.0	5.3	6.3	7.3	6.3	6.0	6.7	6.7	6.3	5.7	6.3	6.0	6.3
COMPASS II	5.3	5.7	5.3	6.3	6.7	6.3	6.3	7.0	6.3	6.3	6.3	6.3	5.7	6.3
GLADIATOR	6.7	6.0	5.7	5.3	6.7	7.0	7.3	6.0	6.0	6.3	6.3	5.7	6.0	6.3
NAI-CHU1	4.7	5.7	4.7	6.0	5.7	6.0	6.0	6.7	6.7	6.7	6.0	6.3	6.0	6.3
PPG-FRC 127	5.3	6.0	5.0	6.3	6.0	6.3	6.3	6.7	6.7	6.0	6.0	6.0	6.3	6.3
PPG-FRC-130	6.0	6.7	6.0	5.7	6.0	6.3	6.7	7.0	6.7	6.3	6.3	5.7	5.7	6.3
QUATRO	6.7	5.3	5.7	6.7	7.0	6.0	7.0	6.0	7.0	6.7	5.7	6.0	6.0	6.3
SPHD-20	5.7	6.3	5.3	6.3	6.7	6.7	6.3	7.0	6.3	6.3	6.0	5.7	5.7	6.3
DLFPS-FL-3104	5.7	6.0	5.0	5.0	7.0	6.3	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.2
PPG-FL 128	4.7	5.7	6.0	7.7	7.0	7.0	6.0	6.0	7.0	6.3	5.0	6.0	6.3	6.2
BAR FRC 130	4.3	5.0	5.7	4.7	8.3	6.3	5.7	6.7	6.0	6.0	5.3	6.7	6.3	6.1
BAR FRL 122	5.3	5.3	5.0	6.0	7.0	6.0	7.0	6.7	6.3	6.0	5.7	6.0	5.3	6.1
LSD VALUE	1.3	1.4	4.6	3.3	2.7	1.7	1.2	1.5	1.8	2.0	2.1	2.0	2.1	0.5
C.V. (%)	12.9	12.6	21.9	16.9	15.6	8.4	7.9	7.3	7.8	8.0	10.7	9.4	11.5	3.5

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 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
		SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
5Z2	7.0	5.3	6.0	5.7	99.0	92.0	81.3	91.7	82.0	91.0
BYE	4.0	6.7	6.3	6.3	99.0	95.3	93.3	96.7	68.0	75.3
FOXFIRE 2	5.0	6.0	7.0	6.3	99.0	89.7	82.3	89.0	54.0	69.0
PPG-FRR 127	5.3	6.7	6.3	6.0	98.3	95.3	93.3	95.7	80.0	93.3
PPG-FRR 132	4.7	7.3	5.7	6.0	99.0	93.3	92.3	96.7	64.3	74.0
PST-4SWTM	5.7	6.7	7.0	7.0	99.0	99.0	97.0	98.3	54.3	73.0
RAD-FC59	5.7	6.0	6.7	6.0	99.0	97.7	94.3	95.3	66.0	79.7
RAD-FR64	6.7	6.7	6.3	6.7	99.0	95.0	77.7	98.0	77.3	85.7
5Z5	6.7	6.3	5.0	6.0	99.0	88.7	88.3	92.3	61.0	80.3
KEVIN	4.3	6.3	6.0	6.0	98.7	76.0	81.7	85.0	57.0	70.7
SWORD II (NAI-HAQ1+2)	7.7	6.7	6.0	5.3	97.7	94.7	96.0	98.3	78.7	95.0
BAR FT 135	3.0	6.0	6.3	6.3	99.0	98.0	88.3	90.3	34.7	41.0
BOREAL	4.7	5.7	5.3	5.7	99.0	69.7	49.7	86.3	60.7	71.3
CARDINAL II	4.0	6.0	5.7	5.7	98.7	79.3	85.0	97.0	65.0	68.0
DA5-RHF	3.3	7.7	6.7	6.0	98.3	98.7	88.3	92.0	34.0	49.0
DLF-FRR-3128	5.0	6.3	5.3	5.3	98.3	93.0	91.0	94.0	67.3	75.0
JAMESTOWN VII	3.7	7.0	6.7	6.0	99.0	98.7	93.0	97.7	53.7	77.7
PPG-FRR-134	6.3	5.3	5.7	5.0	99.0	97.7	95.0	99.0	71.0	82.0
PVF-MVP-2020	7.0	6.0	6.3	6.0	99.0	96.0	96.0	96.0	83.0	91.7
PVF-PDB-2020	4.7	7.0	6.3	6.3	98.7	96.7	92.7	96.7	50.0	65.0
RESOLUTE	3.3	7.7	6.7	5.3	99.0	99.0	97.7	94.7	35.3	43.7
SEABREEZE GT	6.7	6.0	5.3	5.3	99.0	85.7	91.7	96.7	68.0	81.0
SHADOW IV (PST-4SHAD)	6.7	6.3	5.3	5.7	99.0	95.7	93.0	98.7	83.7	96.0
STB1	5.0	6.3	6.0	5.3	99.0	92.3	78.7	95.0	70.7	83.7
BAR FO 131	4.7	5.0	7.0	6.3	98.7	93.7	89.7	88.3	61.3	54.7
BAR FT 132	4.3	7.0	5.3	6.0	99.0	93.0	71.0	72.3	55.3	57.7
DLFPS-FRC-3105	4.0	5.3	5.7	6.3	99.0	99.0	94.3	98.7	38.7	55.7
PVF-HSY+	7.0	5.7	5.0	5.3	94.7	75.3	76.0	88.3	86.3	87.7
TENACIOUS (NAI-HTB2)	9.0	5.7	5.7	5.0	99.0	98.3	97.3	98.0	55.3	69.3
BAR FRC 123	5.0	5.3	5.3	6.3	99.0	97.7	92.0	98.7	58.3	67.0
BLUE HORNET (PPG-FO-102)	5.0	6.0	5.7	5.0	98.0	91.7	87.7	91.0	55.3	61.0
BRITTANY 2	3.7	5.3	6.3	6.3	99.0	95.7	94.7	97.0	50.7	56.7
COMPASS II	6.0	5.7	5.7	5.3	99.0	97.0	95.7	99.0	61.3	68.3
GLADIATOR	3.7	6.7	4.3	6.0	99.0	99.0	97.7	98.3	44.7	49.7
NAI-CHU1	8.3	5.0	5.0	5.0	99.0	99.0	97.0	97.7	81.0	97.0
PPG-FRC 127	6.7	5.0	4.3	5.0	99.0	98.7	95.3	99.0	70.3	83.3
PPG-FRC-130	5.0	6.0	5.0	5.3	99.0	97.3	94.7	98.7	61.7	65.3
QUATRO	6.0	5.7	5.0	6.3	98.3	91.0	89.0	86.0	54.0	59.7
SPHD-20	2.0	7.3	5.7	5.7	99.0	99.0	98.0	91.0	19.7	37.0
DLFPS-FL-3104	2.7	7.0	6.7	6.3	99.0	99.0	97.7	92.7	35.0	39.3
PPG-FL 128	3.0	5.7	6.3	6.7	99.0	98.7	80.7	89.7	31.0	37.3
BAR FRC 130	3.3	4.7	5.7	5.3	99.0	98.3	97.0	96.0	42.7	58.7
BAR FRL 122	6.0	5.7	5.3	4.7	99.0	94.7	97.0	98.3	63.7	68.3
LSD VALUE	6.5	5.0	4.3	3.3	1.3	10.2	17.0	14.6	68.1	61.7
C.V. (%)	45.6	22.0	20.5	16.4	0.7	6.5	10.5	7.1	40.6	34.2

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

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

TABLE 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN
										AUG	SEP	OCT	NOV	
PST-4SWTM	6.7	5.3	5.0	6.3	7.7	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7
RAD-FC59	7.7	6.0	4.3	6.0	6.7	6.0	7.0	7.0	6.7	6.7	6.3	6.7	7.0	6.7
JAMESTOWN VII	5.3	6.0	4.7	6.7	7.3	6.0	6.3	6.7	6.7	6.3	6.7	6.7	7.0	6.5
PVF-MVP-2020	6.7	5.3	4.7	5.7	5.7	6.3	7.0	6.7	6.3	6.3	6.0	7.0	6.7	6.5
SHADOW IV (PST-4SHAD)	5.7	5.3	6.3	7.3	6.7	6.3	7.0	7.0	7.0	6.0	6.3	6.7	6.0	6.5
DLFPS-FRC-3105	4.7	6.0	5.7	6.7	7.7	6.7	6.3	6.7	6.7	6.0	6.0	6.3	6.3	6.4
BAR FRC 123	5.7	5.7	5.0	7.0	6.7	6.0	7.0	6.7	6.7	6.0	5.7	6.0	6.3	6.3
BRITTANY 2	5.0	6.0	5.3	6.3	7.3	6.3	6.0	6.7	6.7	6.3	5.7	6.3	6.0	6.3
COMPASS II	5.3	5.7	5.3	6.3	6.7	6.3	6.3	7.0	6.3	6.3	6.3	6.3	5.7	6.3
NAI-CHU1	4.7	5.7	4.7	6.0	5.7	6.0	6.0	6.7	6.7	6.7	6.0	6.3	6.0	6.3
PPG-FRC 127	5.3	6.0	5.0	6.3	6.0	6.3	6.3	6.7	6.7	6.0	6.0	6.0	6.3	6.3
PPG-FRC-130	6.0	6.7	6.0	5.7	6.0	6.3	6.7	7.0	6.7	6.3	6.3	5.7	5.7	6.3
BAR FRC 130	4.3	5.0	5.7	4.7	8.3	6.3	5.7	6.7	6.0	6.0	5.3	6.7	6.3	6.1
LSD VALUE	1.7	2.1	3.7	2.4	2.6	1.6	1.4	1.3	1.2	1.2	2.4	1.4	1.4	0.5
C.V. (%)	16.0	13.4	23.9	15.8	16.6	8.0	9.1	6.0	6.8	7.0	13.2	8.9	9.8	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 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CHEWINGS FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
		SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
PST-4SWTM	5.7	6.7	7.0	7.0	99	99.0	97.0	98.3	54.3	73.0
RAD-FC59	5.7	6.0	6.7	6.0	99	97.7	94.3	95.3	66.0	79.7
JAMESTOWN VII	3.7	7.0	6.7	6.0	99	98.7	93.0	97.7	53.7	77.7
PVF-MVP-2020	7.0	6.0	6.3	6.0	99	96.0	96.0	96.0	83.0	91.7
SHADOW IV (PST-4SHAD)	6.7	6.3	5.3	5.7	99	95.7	93.0	98.7	83.7	96.0
DLFPS-FRC-3105	4.0	5.3	5.7	6.3	99	99.0	94.3	98.7	38.7	55.7
BAR FRC 123	5.0	5.3	5.3	6.3	99	97.7	92.0	98.7	58.3	67.0
BRITTANY 2	3.7	5.3	6.3	6.3	99	95.7	94.7	97.0	50.7	56.7
COMPASS II	6.0	5.7	5.7	5.3	99	97.0	95.7	99.0	61.3	68.3
NAI-CHU1	8.3	5.0	5.0	5.0	99	99.0	97.0	97.7	81.0	97.0
PPG-FRC 127	6.7	5.0	4.3	5.0	99	98.7	95.3	99.0	70.3	83.3
PPG-FRC-130	5.0	6.0	5.0	5.3	99	97.3	94.7	98.7	61.7	65.3
BAR FRC 130	3.3	4.7	5.7	5.3	99	98.3	97.0	96.0	42.7	58.7
LSD VALUE	6.0	4.8	3.4	1.8	0	5.5	6.4	6.5	61.5	60.2
C.V. (%)	43.3	27.6	22.2	13.5	0	2.1	2.6	2.4	38.0	31.0

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 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS							MEAN	
						APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
5Z2	7.3	6.3	5.3	7.0	5.7	6.3	7.3	7.0	7.0	6.3	6.3	7.0	6.7	6.8
BYE	7.0	8.0	6.7	6.3	6.3	7.0	7.0	7.0	6.7	6.7	6.0	6.7	7.0	6.8
FOXFIRE 2	7.0	6.7	7.3	7.3	6.7	7.0	7.0	7.0	7.0	6.7	6.0	6.3	7.0	6.8
PPG-FRR 127	7.7	7.0	5.7	7.0	6.0	6.0	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.8
PPG-FRR 132	6.3	7.3	5.7	6.3	6.0	6.7	7.3	7.0	6.7	6.0	6.3	6.3	7.0	6.7
RAD-FR64	7.0	6.7	6.3	7.0	6.0	7.0	7.0	7.0	6.7	6.3	6.0	6.7	7.0	6.7
5Z5	6.7	7.3	6.7	6.0	6.0	7.0	7.0	7.0	6.7	6.3	6.0	6.0	6.7	6.6
KEVIN	7.3	7.3	5.7	5.7	6.3	6.7	7.0	7.0	6.7	6.7	6.0	6.3	6.3	6.6
BOREAL	6.3	6.0	5.3	7.7	6.0	6.0	7.0	7.0	6.7	6.7	5.3	6.3	6.7	6.5
CARDINAL II	8.0	8.0	6.7	7.0	6.0	6.7	7.3	6.7	7.0	6.0	5.7	6.0	7.0	6.5
DLF-FRR-3128	7.7	7.0	7.0	6.0	7.0	6.7	7.3	6.3	6.3	6.7	6.0	6.3	6.3	6.5
PPG-FRR-134	7.0	7.3	5.7	6.7	5.7	6.3	7.0	6.7	6.3	6.7	6.0	6.3	6.3	6.5
STB1	6.3	6.3	5.0	7.0	6.0	6.3	6.7	6.7	6.7	6.7	6.0	6.3	6.7	6.5
PVF-HSY+	8.0	7.3	5.7	7.3	5.0	6.7	7.0	6.3	6.3	6.3	5.7	6.3	6.3	6.4
LSD VALUE	1.6	2.1	3.7	4.2	3.2	1.2	1.6	1.9	1.8	1.9	1.1	1.5	1.7	0.6
C.V. (%)	10.3	12.1	21.4	19.8	17.1	7.4	7.0	8.6	8.5	9.4	7.7	8.1	8.7	3.5

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 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
		SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
5Z2	7.0	5.3	6.0	5.7	99.0	92.0	81.3	91.7	82.0	91.0
BYE	4.0	6.7	6.3	6.3	99.0	95.3	93.3	96.7	68.0	75.3
FOXFIRE 2	5.0	6.0	7.0	6.3	99.0	89.7	82.3	89.0	54.0	69.0
PPG-FRR 127	5.3	6.7	6.3	6.0	98.3	95.3	93.3	95.7	80.0	93.3
PPG-FRR 132	4.7	7.3	5.7	6.0	99.0	93.3	92.3	96.7	64.3	74.0
RAD-FR64	6.7	6.7	6.3	6.7	99.0	95.0	77.7	98.0	77.3	85.7
5Z5	6.7	6.3	5.0	6.0	99.0	88.7	88.3	92.3	61.0	80.3
KEVIN	4.3	6.7	6.0	6.0	98.7	76.0	81.7	85.0	57.0	70.7
BOREAL	4.7	5.7	5.3	5.7	99.0	69.7	49.7	86.3	60.7	71.3
CARDINAL II	4.0	6.0	5.7	5.7	98.7	79.3	85.0	97.0	65.0	68.0
DLF-FRR-3128	5.0	6.3	5.3	5.3	98.3	93.0	91.0	94.0	67.3	75.0
PPG-FRR-134	6.3	5.3	5.7	5.0	99.0	97.7	95.0	99.0	71.0	82.0
STB1	5.0	6.3	6.0	5.3	99.0	92.3	78.7	95.0	70.7	83.7
PVF-HSY+	7.0	5.7	5.0	5.3	94.7	75.3	76.0	88.3	86.3	87.7
LSD VALUE	8.5	4.0	2.7	2.3	1.8	16.7	25.1	21.0	64.0	49.4
C.V. (%)	49.3	20.8	16.8	14.0	1.0	10.0	15.1	8.3	30.3	21.1

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 12D.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN	
										AUG	SEP	OCT	NOV		
SWORD II (NAI-HAQ1+2)	7.0	6.0	5.7	6.7	6.7	6.3	7.0	6.7	6.7	6.0	6.7	6.7	6.7	6.7	6.6
BAR FT 135	6.0	4.3	6.0	6.7	7.0	6.0	7.3	7.0	7.0	6.7	5.7	6.3	6.0	6.0	6.5
DA5-RHF	5.7	6.0	5.3	7.0	6.7	6.3	6.7	6.3	7.3	6.3	6.3	6.0	6.7	6.7	6.5
PVF-PDB-2020	6.3	5.3	5.3	5.3	6.7	6.0	6.3	6.7	6.3	6.3	7.0	6.7	7.0	6.7	6.5
RESOLUTE	5.7	6.0	7.0	6.3	6.7	7.0	6.3	6.3	6.7	6.7	6.7	6.3	5.7	5.7	6.5
BAR FT 132	5.7	6.0	6.3	7.7	5.0	6.3	6.7	7.0	7.0	6.0	6.3	5.7	6.3	6.3	6.4
TENACIOUS (NAI-HTB2)	6.0	5.3	6.0	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.0	5.7	5.7	6.4
GLADIATOR	6.7	6.0	5.7	5.3	6.7	7.0	7.3	6.0	6.0	6.3	6.3	5.7	6.0	6.0	6.3
SPHD-20	5.7	6.3	5.3	6.3	6.7	6.7	6.3	7.0	6.3	6.3	6.0	5.7	5.7	5.7	6.3
DLFPS-FL-3104	5.7	6.0	5.0	5.0	7.0	6.3	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.2
PPG-FL 128	4.7	5.7	6.0	7.7	7.0	7.0	6.0	6.0	7.0	6.3	5.0	6.0	6.3	6.3	6.2
LSD VALUE	1.6	1.6	3.7	1.7	1.6	1.5	1.2	0.9	1.1	1.6	1.2	1.6	2.2	0.4	
C.V. (%)	12.3	12.3	22.2	13.9	10.6	9.1	8.2	6.7	7.9	8.5	9.5	10.0	13.1	2.6	

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 12D.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF HARD FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR				PERCENT GROUND COVER FROM APRIL-OCTOBER					
		SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER	
SWORD II (NAI-HAQ1+2)	7.7	6.7	6.0	5.3	97.7	94.7	96.0	98.3	78.7	95.0	
BAR FT 135	3.0	6.0	6.3	6.3	99.0	98.0	88.3	90.3	34.7	41.0	
DA5-RHF	3.3	7.7	6.7	6.0	98.3	98.7	88.3	92.0	34.0	49.0	
PVF-PDB-2020	4.7	7.0	6.3	6.3	98.7	96.7	92.7	96.7	50.0	65.0	
RESOLUTE	3.3	7.7	6.7	5.3	99.0	99.0	97.7	94.7	35.3	43.7	
BAR FT 132	4.3	7.0	5.3	6.0	99.0	93.0	71.0	72.3	55.3	57.7	
TENACIOUS (NAI-HTB2)	9.0	5.7	5.7	5.0	99.0	98.3	97.3	98.0	55.3	69.3	
GLADIATOR	3.7	6.7	4.3	6.0	99.0	99.0	97.7	98.3	44.7	49.7	
SPHD-20	2.0	7.3	5.7	5.7	99.0	99.0	98.0	91.0	19.7	37.0	
DLFPS-FL-3104	2.7	7.0	6.7	6.3	99.0	99.0	97.7	92.7	35.0	39.3	
PPG-FL 128	3.0	5.7	6.3	6.7	99.0	98.7	80.7	89.7	31.0	37.3	
LSD VALUE	3.1	2.9	3.4	2.9	1.1	4.8	19.3	11.3	61.6	68.5	
C.V. (%)	41.0	16.8	21.2	17.7	0.5	2.3	10.4	6.8	57.7	51.8	

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 12E.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SHEEP FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS								MEAN
						APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
BAR FO 131	7.3	6.7	6.7	6.7	6.0	6.7	7.0	6.3	6.7	6.7	5.7	6.3	6.0	6.4
BLUE HORNET (PPG-FO-102)	6.7	6.0	6.0	6.0	7.7	6.3	6.7	6.3	7.0	6.0	5.7	6.7	5.7	6.3
QUATRO	6.7	5.3	5.7	6.7	7.0	6.0	7.0	6.0	7.0	6.7	5.7	6.0	6.0	6.3
LSD VALUE	0.8	1.3	2.0	0.8	2.8	1.9	1.5	1.2	1.2	1.2	1.3	1.9	1.5	0.9
C.V. (%)	4.8	9.6	14.4	5.2	17.4	12.9	9.7	8.5	7.7	8.2	10.2	12.9	11.3	6.0

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

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

TABLE 12E.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SHEEP FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT GROUND COVER FROM APRIL-OCTOBER					
					APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
BAR FO 131	4.7	5.0	7.0	6.3	98.7	93.7	89.7	88.3	61.3	54.7
BLUE HORNET (PPG-FO-102)	5.0	6.0	5.7	5.0	98.0	91.7	87.7	91.0	55.3	61.0
QUATRO	6.0	5.7	5.0	6.3	98.3	91.0	89.0	86.0	54.0	59.7
LSD VALUE	1.5	3.6	3.4	2.0	1.3	17.7	17.8	26.6	20.2	17.8
C.V. (%)	12.8	28.1	24.7	15.0	0.6	8.3	8.6	13.0	15.3	13.1

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

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

TABLE 12F.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	QUALITY RATINGS			NOV	MEAN
										AUG	SEP	OCT		
SEABREEZE GT	5.7	6.7	6.3	7.0	7.0	6.7	7.0	7.0	7.0	6.0	6.0	6.3	6.3	6.5
BAR FRL 122	5.3	5.3	5.0	6.0	7.0	6.0	7.0	6.7	6.3	6.0	5.7	6.0	5.3	6.1
LSD VALUE	0.8	1.3	2.0	0.8	2.8	1.9	1.5	1.2	1.2	1.2	1.3	1.9	1.5	0.9
C.V. (%)	7.4	13.6	19.1	10.9	10.1	6.4	0.0	6.0	6.1	0.0	14.0	6.6	12.1	4.3

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 12F.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	DOLLAR SPOT	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT GROUND COVER FROM APRIL-OCTOBER					
					APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
SEABREEZE GT	6.7	6.0	5.3	5.3	99.0	85.7	91.7	96.7	68.0	81.0
BAR FRL 122	6.0	5.7	5.3	4.7	99.0	94.7	97.0	98.3	63.7	68.3
LSD VALUE	1.5	3.6	3.4	2.0	1.3	17.7	17.8	26.6	20.2	17.8
C.V. (%)	52.8	7.0	13.3	8.2	0.0	4.4	3.1	1.5	22.3	29.8

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 13A.

GENETIC COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	MEAN
RAD-FC59	7.0	6.7	5.0	9.0	6.7	8.7	6.7	6.7	8.3	7.2
CARDINAL II	7.7	7.3	5.0	8.7	6.0	6.7	6.7	7.0	7.0	6.9
RAD-FR64	8.0	5.0	4.3	8.3	7.0	8.0	7.0	6.7	7.0	6.8
DLFPS-FL-3104	5.3	6.0	6.0	9.0	8.3	7.0	6.3	6.3	6.7	6.8
SPHD-20	7.0	6.7	5.3	9.0	8.3	5.7	6.0	6.3	5.7	6.7
5Z2	7.0	6.0	5.0	8.0	7.0	6.0	6.3	6.7	7.7	6.6
RESOLUTE	5.3	6.3	5.7	8.3	8.3	7.0	6.3	6.0	6.0	6.6
SWORD II (NAI-HAQ1+2)	5.7	6.0	7.0	8.7	8.7	5.3	6.0	6.0	6.0	6.6
DA5-RHF	5.7	6.3	6.0	8.3	8.0	6.0	6.3	6.0	6.0	6.5
DLF-FRR-3128	7.0	7.0	4.3	8.0	5.7	6.3	6.3	6.3	7.0	6.4
TENACIOUS (NAI-HTB2)	4.7	6.3	5.3	9.0	8.7	6.3	5.0	6.0	6.7	6.4
BAR FT 132	5.0	7.3	4.3	8.3	7.7	6.3	6.3	6.7	5.7	6.4
FOXFIRE 2	7.0	6.7	4.0	8.0	5.3	6.3	6.7	7.0	6.7	6.4
PPG-FRR 127	5.7	7.3	4.0	8.0	6.3	6.0	6.0	7.0	7.3	6.4
KEVIN	6.3	6.3	3.7	8.3	6.3	7.0	6.7	6.3	6.0	6.3
BAR FO 131	6.7	5.7	3.0	8.3	5.3	8.0	6.0	7.0	6.7	6.3
PVF-HSY+	7.0	6.7	4.0	7.7	5.7	5.7	6.0	6.3	7.3	6.3
BAR FT 135	6.3	5.3	5.3	8.3	8.0	4.7	6.3	6.7	5.3	6.3
STB1	6.7	7.3	4.3	8.7	5.0	6.0	6.0	6.0	6.3	6.3
PVF-PDB-2020	6.0	5.3	5.3	8.7	8.7	4.7	5.7	6.0	6.0	6.3
GLADIATOR	5.7	5.0	7.0	8.7	8.0	4.0	5.7	6.3	5.7	6.2
5Z5	5.7	6.3	3.7	8.0	6.3	5.7	6.0	6.3	7.3	6.1
BYE	6.0	6.3	4.3	7.7	6.0	5.7	5.7	6.3	7.3	6.1
BLUE HORNET (PPG-FO-102)	6.7	4.3	4.7	8.0	8.0	5.3	5.7	6.7	5.7	6.1
PPG-FL 128	6.3	5.3	5.7	9.0	7.3	4.3	5.3	6.0	5.7	6.1
PPG-FRR 132	6.3	7.0	4.3	8.0	4.3	6.0	6.0	6.3	6.7	6.1
PST-4SWTM	6.7	7.0	3.7	8.0	5.0	7.3	6.0	5.7	5.7	6.1
PPG-FRC-130	6.7	5.7	5.0	8.7	5.0	4.3	6.0	5.7	7.3	6.0
QUATRO	5.7	6.3	5.0	8.3	7.3	5.0	5.3	6.0	4.7	6.0
BRITTANY 2	5.7	6.7	4.7	8.3	5.0	4.7	6.0	6.0	6.3	5.9
PPG-FRR-134	5.7	6.7	3.7	8.0	5.7	4.7	6.0	5.7	7.0	5.9
PVF-MVP-2020	5.7	5.7	3.7	8.7	5.0	4.7	6.0	6.0	6.7	5.8
JAMESTOWN VII	6.0	6.3	3.0	8.0	4.3	5.3	5.7	6.3	6.3	5.7
NAI-CHU1	6.0	4.7	4.0	8.7	5.3	5.0	6.0	5.3	6.0	5.7
DLFPS-FRC-3105	6.0	5.7	4.3	8.3	4.3	4.3	5.0	6.0	7.0	5.7
COMPASS II	6.0	6.0	3.3	8.7	5.0	4.7	5.3	5.7	6.0	5.6
PPG-FRC 127	6.0	4.3	5.3	8.0	6.0	4.3	5.0	5.0	6.3	5.6
BOREAL	7.7	4.7	2.3	8.0	4.0	6.0	6.0	5.7	4.7	5.4
BAR FRL 122	6.0	5.3	3.7	7.3	5.0	4.3	5.7	6.0	5.7	5.4
BAR FRC 130	6.0	5.3	3.3	7.0	3.3	6.0	6.0	6.0	5.7	5.4
SHADOW IV (PST-4SHAD)	5.7	6.3	3.3	8.0	2.3	6.0	5.7	5.3	5.0	5.3
BAR FRC 123	5.3	4.0	3.7	7.7	2.7	5.7	6.0	6.0	5.7	5.2
SEABREEZE GT	6.0	5.7	2.0	7.0	4.7	1.0	5.0	6.0	4.3	4.6
LSD VALUE	1.9	2.0	1.4	0.7	1.5	1.4	0.9	0.7	1.3	0.5
C.V. (%)	19.4	20.3	19.1	5.1	15.4	15.0	9.6	6.8	12.4	13.9

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

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

TABLE 13B.

GENETIC COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	MEAN
RAD-FC59	7.0	6.7	5.0	9.0	6.7	8.7	6.7	6.7	8.3	7.2
PST-4SWTM	6.7	7.0	3.7	8.0	5.0	7.3	6.0	5.7	5.7	6.1
PPG-FRC-130	6.7	5.7	5.0	8.7	5.0	4.3	6.0	5.7	7.3	6.0
BRITTANY 2	5.7	6.7	4.7	8.3	5.0	4.7	6.0	6.0	6.3	5.9
PVF-MVP-2020	5.7	5.7	3.7	8.7	5.0	4.7	6.0	6.0	6.7	5.8
JAMESTOWN VII	6.0	6.3	3.0	8.0	4.3	5.3	5.7	6.3	6.3	5.7
NAI-CHU1	6.0	4.7	4.0	8.7	5.3	5.0	6.0	5.3	6.0	5.7
DLFPS-FRC-3105	6.0	5.7	4.3	8.3	4.3	4.3	5.0	6.0	7.0	5.7
COMPASS II	6.0	6.0	3.3	8.7	5.0	4.7	5.3	5.7	6.0	5.6
PPG-FRC 127	6.0	4.3	5.3	8.0	6.0	4.3	5.0	5.0	6.3	5.6
BAR FRC 130	6.0	5.3	3.3	7.0	3.3	6.0	6.0	6.0	5.7	5.4
SHADOW IV (PST-4SHAD)	5.7	6.3	3.3	8.0	2.3	6.0	5.7	5.3	5.0	5.3
BAR FRC 123	5.3	4.0	3.7	7.7	2.7	5.7	6.0	6.0	5.7	5.2
LSD VALUE	1.9	2.0	1.3	0.7	1.6	1.4	1.0	0.7	1.2	0.5
C.V. (%)	19.4	21.3	20.7	5.1	21.1	15.5	11.1	7.3	11.6	14.7

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

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

TABLE 13C. GENETIC COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									MEAN
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	
CARDINAL II	7.7	7.3	5.0	8.7	6.0	6.7	6.7	7.0	7.0	6.9
RAD-FR64	8.0	5.0	4.3	8.3	7.0	8.0	7.0	6.7	7.0	6.8
5Z2	7.0	6.0	5.0	8.0	7.0	6.0	6.3	6.7	7.7	6.6
DLF-FRR-3128	7.0	7.0	4.3	8.0	5.7	6.3	6.3	6.3	7.0	6.4
FOXFIRE 2	7.0	6.7	4.0	8.0	5.3	6.3	6.7	7.0	6.7	6.4
PPG-FRR 127	5.7	7.3	4.0	8.0	6.3	6.0	6.0	7.0	7.3	6.4
KEVIN	6.3	6.3	3.7	8.3	6.3	7.0	6.7	6.3	6.0	6.3
PVF-HSY+	7.0	6.7	4.0	7.7	5.7	5.7	6.0	6.3	7.3	6.3
STB1	6.7	7.3	4.3	8.7	5.0	6.0	6.0	6.0	6.3	6.3
5Z5	5.7	6.3	3.7	8.0	6.3	5.7	6.0	6.3	7.3	6.1
BYE	6.0	6.3	4.3	7.7	6.0	5.7	5.7	6.3	7.3	6.1
PPG-FRR 132	6.3	7.0	4.3	8.0	4.3	6.0	6.0	6.3	6.7	6.1
PPG-FRR-134	5.7	6.7	3.7	8.0	5.7	4.7	6.0	5.7	7.0	5.9
BOREAL	7.7	4.7	2.3	8.0	4.0	6.0	6.0	5.7	4.7	5.4
LSD VALUE	2.0	1.7	1.1	0.6	1.6	1.2	0.7	0.8	1.1	0.4
C.V. (%)	19.0	16.7	17.4	4.7	17.8	12.6	7.4	7.6	10.4	13.0

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

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

TABLE 13D.

GENETIC COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									MEAN
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	
DLFPS-FL-3104	5.3	6.0	6.0	9.0	8.3	7.0	6.3	6.3	6.7	6.8
SPHD-20	7.0	6.7	5.3	9.0	8.3	5.7	6.0	6.3	5.7	6.7
RESOLUTE	5.3	6.3	5.7	8.3	8.3	7.0	6.3	6.0	6.0	6.6
SWORD II (NAI-HAQ1+2)	5.7	6.0	7.0	8.7	8.7	5.3	6.0	6.0	6.0	6.6
DA5-RHF	5.7	6.3	6.0	8.3	8.0	6.0	6.3	6.0	6.0	6.5
TENACIOUS (NAI-HTB2)	4.7	6.3	5.3	9.0	8.7	6.3	5.0	6.0	6.7	6.4
BAR FT 132	5.0	7.3	4.3	8.3	7.7	6.3	6.3	6.7	5.7	6.4
BAR FT 135	6.3	5.3	5.3	8.3	8.0	4.7	6.3	6.7	5.3	6.3
PVF-PDB-2020	6.0	5.3	5.3	8.7	8.7	4.7	5.7	6.0	6.0	6.3
GLADIATOR	5.7	5.0	7.0	8.7	8.0	4.0	5.7	6.3	5.7	6.2
PPG-FL 128	6.3	5.3	5.7	9.0	7.3	4.3	5.3	6.0	5.7	6.1
LSD VALUE	1.7	1.9	1.5	0.7	1.2	1.6	1.0	0.6	1.4	0.4
C.V. (%)	18.0	19.2	16.1	5.3	8.8	18.2	11.0	6.3	14.7	13.0

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

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

TABLE 13E.

GENETIC COLOR RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									MEAN
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	
BAR FO 131	6.7	5.7	3.0	8.3	5.3	8.0	6.0	7.0	6.7	6.3
BLUE HORNET (PPG-FO-102)	6.7	4.3	4.7	8.0	8.0	5.3	5.7	6.7	5.7	6.1
QUATRO	5.7	6.3	5.0	8.3	7.3	5.0	5.3	6.0	4.7	6.0
LSD VALUE	1.9	2.8	1.9	0.8	1.5	1.1	0.8	0.5	1.6	0.5
C.V. (%)	18.2	31.8	28.5	5.7	13.7	10.9	8.3	5.1	17.6	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 13F.

GENETIC COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									MEAN
	CT1	IA1	MN1	NC1	NJ1	NJ2	PA2	QE1	UT1	
BAR FRL 122	6.0	5.3	3.7	7.3	5.0	4.3	5.7	6	5.7	5.4
SEABREEZE GT	6.0	5.7	2.0	7.0	4.7	1.0	5.0	6	4.3	4.6
LSD VALUE	2.8	2.5	1.3	0.7	1.7	0.7	0.7	0	0.9	0.5
C.V. (%)	28.9	27.8	28.8	5.7	22.3	15.3	7.7	0	11.5	18.7

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

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

TABLE 14A. SPRING GREENUP RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
BRITTANY 2	7.7	8.0	4.7	6.8
BAR FRC 130	6.0	8.0	4.7	6.2
SHADOW IV (PST-4SHAD)	7.3	6.3	4.0	5.9
JAMESTOWN VII	6.7	6.0	4.7	5.8
PPG-FRC-130	5.7	6.3	5.3	5.8
PVF-MVP-2020	6.0	6.3	5.0	5.8
CARDINAL II	7.7	4.7	4.7	5.7
PPG-FRC 127	6.0	6.3	4.7	5.7
DLFPS-FRC-3105	6.0	6.0	4.7	5.6
COMPASS II	6.3	5.3	5.0	5.6
PPG-FRR 132	8.0	3.7	5.0	5.6
PVF-HSY+	8.0	4.3	4.3	5.6
NAI-CHU1	5.7	5.7	5.0	5.4
PST-4SWTM	6.7	5.3	4.3	5.4
KEVIN	7.7	3.3	5.0	5.3
RAD-FC59	6.3	4.7	5.0	5.3
BAR FRL 122	4.7	6.0	5.0	5.2
BAR FRC 123	5.0	5.3	5.0	5.1
BAR FT 132	7.3	3.3	4.7	5.1
DLF-FRR-3128	7.3	3.0	4.7	5.0
FOXFIRE 2	7.3	3.3	4.3	5.0
PPG-FRR-134	7.0	3.3	4.7	5.0
SEABREEZE GT	6.0	4.3	4.7	5.0
PPG-FRR 127	7.0	3.3	4.3	4.9
STB1	6.7	3.0	4.7	4.8
5Z5	6.7	2.7	5.0	4.8
BYE	7.0	3.0	4.0	4.7
BAR FO 131	6.0	3.0	4.7	4.6
BOREAL	5.7	3.3	4.7	4.6
5Z2	6.0	2.7	5.0	4.6
RESOLUTE	7.0	2.7	4.0	4.6
BAR FT 135	5.7	3.3	4.3	4.4
QUATRO	6.7	1.0	4.7	4.1
DA5-RHF	6.0	2.0	4.3	4.1
GLADIATOR	6.0	1.3	5.0	4.1
BLUE HORNET (PPG-FO-102)	4.7	3.0	4.3	4.0
PPG-FL 128	5.7	2.3	4.0	4.0
RAD-FR64	4.7	2.7	4.7	4.0
TENACIOUS (NAI-HTB2)	5.7	1.7	4.3	3.9
DLFPS-FL-3104	5.3	2.0	4.0	3.8
PVF-PDB-2020	5.3	2.0	4.0	3.8
SPHD-20	5.3	2.0	3.7	3.7
SWORD II (NAI-HAQ1+2)	5.3	1.3	4.3	3.7
LSD VALUE	2.2	1.6	1.0	1.0
C.V. (%)	22.1	26.1	13.6	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 14B.

SPRING GREENUP RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
BRITTANY 2	7.7	8.0	4.7	6.8
BAR FRC 130	6.0	8.0	4.7	6.2
SHADOW IV (PST-4SHAD)	7.3	6.3	4.0	5.9
JAMESTOWN VII	6.7	6.0	4.7	5.8
PPG-FRC-130	5.7	6.3	5.3	5.8
PVF-MVP-2020	6.0	6.3	5.0	5.8
PPG-FRC 127	6.0	6.3	4.7	5.7
DLFPG-FRC-3105	6.0	6.0	4.7	5.6
COMPASS II	6.3	5.3	5.0	5.6
NAI-CHU1	5.7	5.7	5.0	5.4
PST-4SWTM	6.7	5.3	4.3	5.4
RAD-FC59	6.3	4.7	5.0	5.3
BAR FRC 123	5.0	5.3	5.0	5.1
LSD VALUE	2.5	1.5	0.9	1.0
C.V. (%)	24.5	15.0	12.1	19.0

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 14C. SPRING GREENUP RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
CARDINAL II	7.7	4.7	4.7	5.7
PPG-FRR 132	8.0	3.7	5.0	5.6
PVF-HSY+	8.0	4.3	4.3	5.6
KEVIN	7.7	3.3	5.0	5.3
DLF-FRR-3128	7.3	3.0	4.7	5.0
FOXFIRE 2	7.3	3.3	4.3	5.0
PPG-FRR-134	7.0	3.3	4.7	5.0
PPG-FRR 127	7.0	3.3	4.3	4.9
STB1	6.7	3.0	4.7	4.8
5Z5	6.7	2.7	5.0	4.8
BYE	7.0	3.0	4.0	4.7
BOREAL	5.7	3.3	4.7	4.6
5Z2	6.0	2.7	5.0	4.6
RAD-FR64	4.7	2.7	4.7	4.0
LSD VALUE	1.6	1.9	1.1	0.9
C.V. (%)	14.8	34.9	14.1	19.5

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 14D.

SPRING GREENUP RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
BAR FT 132	7.3	3.3	4.7	5.1
RESOLUTE	7.0	2.7	4.0	4.6
BAR FT 135	5.7	3.3	4.3	4.4
DA5-RHF	6.0	2.0	4.3	4.1
GLADIATOR	6.0	1.3	5.0	4.1
PPG-FL 128	5.7	2.3	4.0	4.0
TENACIOUS (NAI-HTB2)	5.7	1.7	4.3	3.9
DLFPS-FL-3104	5.3	2.0	4.0	3.8
PVF-PDB-2020	5.3	2.0	4.0	3.8
SPHD-20	5.3	2.0	3.7	3.7
SWORD II (NAI-HAQ1+2)	5.3	1.3	4.3	3.7
LSD VALUE	2.2	1.1	1.0	0.9
C.V. (%)	23.3	31.9	14.2	23.2

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

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

TABLE 14E. SPRING GREENUP RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
BAR FO 131	6.0	3.0	4.7	4.6
QUATRO	6.7	1.0	4.7	4.1
BLUE HORNET (PPG-FO-102)	4.7	3.0	4.3	4.0
LSD VALUE	2.7	1.3	0.9	1.1
C.V. (%)	29.4	35.0	12.7	27.0

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

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

TABLE 14F. SPRING GREENUP RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NJ1	PA2	MEAN
BAR FRL 122	4.7	6.0	5.0	5.2
SEABREEZE GT	6.0	4.3	4.7	5.0
LSD VALUE	3.3	3.1	1.3	1.6
C.V. (%)	38.3	37.1	16.9	32.9

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

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

TABLE 15A.

LEAF TEXTURE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
BAR FT 132	9.0
BAR FT 135	9.0
BLUE HORNET (PPG-FO-102)	9.0
DLFPS-FL-3104	9.0
GLADIATOR	9.0
PVF-PDB-2020	9.0
RESOLUTE	9.0
TENACIOUS (NAI-HTB2)	9.0
BAR FO 131	8.7
RAD-FC59	8.7
BAR FRC 130	8.3
BAR FRL 122	8.3
BRITTANY 2	8.3
DLFPS-FRC-3105	8.3
JAMESTOWN VII	8.3
NAI-CHU1	8.3
PPG-FRC-130	8.3
PST-4SWTM	8.3
SEABREEZE GT	8.3
SHADOW IV (PST-4SHAD)	8.3
5Z2	8.0
5Z5	8.0
BAR FRC 123	8.0
BYE	8.0
COMPASS II	8.0
KEVIN	8.0
PPG-FL 128	8.0
PPG-FRC 127	8.0
PPG-FRR 132	8.0
PVF-HSY+	8.0
PVF-MVP-2020	8.0
QUATRO	8.0
SPHD-20	8.0
STB1	8.0
BOREAL	7.7
CARDINAL II	7.7
PPG-FRR 127	7.7
PPG-FRR-134	7.7
DLF-FRR-3128	7.3
FOXFIRE 2	7.3
RAD-FR64	7.3
SWORD II (NAI-HAQ1+2)	7.0
DA5-RHF	6.0
LSD VALUE	1.1
C.V. (%)	8.6

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

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

TABLE 15B.

LEAF TEXTURE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
RAD-FC59	8.7
BAR FRC 130	8.3
BRITTANY 2	8.3
DLFFS-FRC-3105	8.3
JAMESTOWN VII	8.3
NAI-CHUI	8.3
PPG-FRC-130	8.3
PST-4SWTM	8.3
SHADOW IV (PST-4SHAD)	8.3
BAR FRC 123	8.0
COMPASS II	8.0
PPG-FRC 127	8.0
PVF-MVP-2020	8.0
LSD VALUE	0.9
C.V. (%)	6.7

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

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

TABLE 15C. LEAF TEXTURE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
5Z2	8.0
5Z5	8.0
BYE	8.0
KEVIN	8.0
PPG-FRR 132	8.0
PVF-HSY+	8.0
STB1	8.0
BOREAL	7.7
CARDINAL II	7.7
PPG-FRR 127	7.7
PPG-FRR-134	7.7
DLF-FRR-3128	7.3
FOXFIRE 2	7.3
RAD-FR64	7.3
LSD VALUE	0.9
C.V. (%)	7.2

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 15D.

LEAF TEXTURE RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
BAR FT 132	9.0
BAR FT 135	9.0
DLFPS-FL-3104	9.0
GLADIATOR	9.0
PVF-PDB-2020	9.0
RESOLUTE	9.0
TENACIOUS (NAI-HTB2)	9.0
PPG-FL 128	8.0
SPHD-20	8.0
SWORD II (NAI-HAQ1+2)	7.0
DA5-RHF	6.0
LSD VALUE	1.5
C.V. (%)	10.8

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

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

TABLE 15E.

LEAF TEXTURE RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
BLUE HORNET (PPG-FO-102)	9.0
BAR FO 131	8.7
QUATRO	8.0
LSD VALUE	1.7
C.V. (%)	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 15F.

LEAF TEXTURE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1
BAR FRL 122	8.3
SEABREEZE GT	8.3
LSD VALUE	0.9
C.V. (%)	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 16A.

SEEDLING VIGOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
BAR FRC 123	6.7	3.3	7.7	5.3	3.7	7.0	5.6
BOREAL	5.3	4.3	8.0	4.3	4.3	7.0	5.6
SHADOW IV (PST-4SHAD)	5.7	4.3	6.7	5.7	4.0	6.3	5.4
PVF-HSY+	5.3	5.7	6.7	5.0	3.3	6.7	5.4
NAI-CHU1	4.7	4.7	7.0	5.3	3.3	7.3	5.4
PPG-FRC 127	4.7	4.3	7.7	5.3	3.3	7.0	5.4
KEVIN	5.0	4.7	7.3	5.0	3.3	6.3	5.3
SEABREEZE GT	5.3	3.3	6.3	6.3	3.7	6.7	5.3
BAR FRL 122	5.3	4.3	5.3	5.7	3.3	7.0	5.2
BRITTANY 2	5.0	3.0	7.0	6.0	2.7	7.0	5.1
STB1	5.7	4.0	5.7	5.3	3.7	6.0	5.1
BAR FRC 130	5.0	4.3	5.3	5.7	3.3	6.7	5.1
DLF-FRR-3128	4.7	4.3	6.7	4.3	4.3	6.0	5.1
JAMESTOWN VII	5.3	4.3	6.3	4.3	3.3	6.3	5.0
PPG-FRC-130	4.3	3.3	6.3	5.7	3.7	6.3	4.9
DLFPS-FRC-3105	6.0	2.7	6.0	6.0	3.0	5.7	4.9
BYE	4.3	2.7	6.7	5.3	3.7	6.3	4.8
5Z2	4.7	3.7	6.7	4.3	3.3	6.0	4.8
5Z5	4.0	3.3	6.0	4.7	4.3	6.3	4.8
PVF-MVP-2020	5.0	3.7	6.0	5.3	4.0	4.7	4.8
PPG-FRR 127	4.3	3.3	6.0	5.0	3.3	6.3	4.7
PPG-FRR-134	3.3	3.3	6.0	5.0	3.3	7.0	4.7
GLADIATOR	5.3	3.7	7.0	2.7	3.0	6.0	4.6
CARDINAL II	4.0	4.3	6.0	4.3	3.7	5.3	4.6
COMPASS II	3.7	3.3	6.0	5.3	3.3	5.7	4.6
PPG-FL 128	5.3	2.3	7.7	3.0	3.7	5.3	4.6
PPG-FRR 132	4.0	2.3	6.0	4.7	3.7	6.0	4.4
PST-4SWTM	3.7	3.0	5.3	4.7	3.3	6.7	4.4
RAD-FR64	4.3	2.7	5.3	4.3	3.3	6.3	4.4
QUATRO	4.7	3.7	6.0	4.0	2.3	4.7	4.2
RAD-FC59	4.0	3.0	3.7	4.7	3.3	5.7	4.1
DLFPS-FL-3104	4.3	3.0	5.7	3.3	3.3	4.3	4.0
BLUE HORNET (PPG-FO-102)	4.7	2.7	5.0	4.0	2.0	4.7	3.8
BAR FT 132	4.0	3.7	4.7	3.3	2.3	5.0	3.8
BAR FT 135	4.7	3.3	5.0	2.3	3.0	4.3	3.8
SWORD II (NAI-HAQ1+2)	4.3	2.7	6.3	2.3	2.7	4.3	3.8
PVF-PDB-2020	4.3	3.7	5.3	2.0	2.3	4.3	3.7
BAR FO 131	3.7	2.7	3.0	4.0	2.3	5.7	3.6
SPHD-20	4.0	3.0	5.3	2.7	3.3	3.0	3.6
TENACIOUS (NAI-HTB2)	3.7	2.7	4.0	2.7	2.7	3.0	3.1
RESOLUTE	3.3	3.3	3.3	2.3	2.7	2.7	2.9
DA5-RHF	3.7	2.3	2.7	2.0	2.3	4.0	2.8
FOXFIRE 2	2.7	2.0	1.3	2.0	2.3	3.7	2.3
LSD VALUE	1.5	2.1	1.9	1.2	1.1	1.7	0.7
C.V. (%)	21.1	37.5	20.3	16.6	20.7	19.0	22.4

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 16B.

SEEDLING VIGOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
BAR FRC 123	6.7	3.3	7.7	5.3	3.7	7.0	5.6
SHADOW IV (PST-4SHAD)	5.7	4.3	6.7	5.7	4.0	6.3	5.4
NAI-CHU1	4.7	4.7	7.0	5.3	3.3	7.3	5.4
PPG-FRC 127	4.7	4.3	7.7	5.3	3.3	7.0	5.4
BRITTANY 2	5.0	3.0	7.0	6.0	2.7	7.0	5.1
BAR FRC 130	5.0	4.3	5.3	5.7	3.3	6.7	5.1
JAMESTOWN VII	5.3	4.3	6.3	4.3	3.3	6.3	5.0
PPG-FRC-130	4.3	3.3	6.3	5.7	3.7	6.3	4.9
DLFPS-FRC-3105	6.0	2.7	6.0	6.0	3.0	5.7	4.9
PVF-MVP-2020	5.0	3.7	6.0	5.3	4.0	4.7	4.8
COMPASS II	3.7	3.3	6.0	5.3	3.3	5.7	4.6
PST-4SWTM	3.7	3.0	5.3	4.7	3.3	6.7	4.4
RAD-FC59	4.0	3.0	3.7	4.7	3.3	5.7	4.1
LSD VALUE	1.3	2.5	1.8	1.3	1.2	1.7	0.7
C.V. (%)	16.7	42.0	17.6	15.3	22.0	17.1	21.1

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 16C.

SEEDLING VIGOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
BOREAL	5.3	4.3	8.0	4.3	4.3	7.0	5.6
PVF-HSY+	5.3	5.7	6.7	5.0	3.3	6.7	5.4
KEVIN	5.0	4.7	7.3	5.0	3.3	6.3	5.3
STB1	5.7	4.0	5.7	5.3	3.7	6.0	5.1
DLF-FRR-3128	4.7	4.3	6.7	4.3	4.3	6.0	5.1
BYE	4.3	2.7	6.7	5.3	3.7	6.3	4.8
5Z2	4.7	3.7	6.7	4.3	3.3	6.0	4.8
5Z5	4.0	3.3	6.0	4.7	4.3	6.3	4.8
PPG-FRR 127	4.3	3.3	6.0	5.0	3.3	6.3	4.7
PPG-FRR-134	3.3	3.3	6.0	5.0	3.3	7.0	4.7
CARDINAL II	4.0	4.3	6.0	4.3	3.7	5.3	4.6
PPG-FRR 132	4.0	2.3	6.0	4.7	3.7	6.0	4.4
RAD-FR64	4.3	2.7	5.3	4.3	3.3	6.3	4.4
FOXFIRE 2	2.7	2.0	1.3	2.0	2.3	3.7	2.3
LSD VALUE	1.7	1.8	1.9	1.2	1.2	1.8	0.7
C.V. (%)	23.8	30.4	19.7	16.6	20.7	17.9	21.3

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 16D.

SEEDLING VIGOR RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
GLADIATOR	5.3	3.7	7.0	2.7	3.0	6.0	4.6
PPG-FL 128	5.3	2.3	7.7	3.0	3.7	5.3	4.6
DLFPS-FL-3104	4.3	3.0	5.7	3.3	3.3	4.3	4.0
BAR FT 132	4.0	3.7	4.7	3.3	2.3	5.0	3.8
BAR FT 135	4.7	3.3	5.0	2.3	3.0	4.3	3.8
SWORD II (NAI-HAQ1+2)	4.3	2.7	6.3	2.3	2.7	4.3	3.8
PVF-PDB-2020	4.3	3.7	5.3	2.0	2.3	4.3	3.7
SPHD-20	4.0	3.0	5.3	2.7	3.3	3.0	3.6
TENACIOUS (NAI-HTB2)	3.7	2.7	4.0	2.7	2.7	3.0	3.1
RESOLUTE	3.3	3.3	3.3	2.3	2.7	2.7	2.9
DA5-RHF	3.7	2.3	2.7	2.0	2.3	4.0	2.8
LSD VALUE	1.5	2.2	2.0	0.8	0.8	1.9	0.7
C.V. (%)	21.2	45.1	23.8	18.9	18.3	28.6	27.5

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

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

TABLE 16E.

SEEDLING VIGOR RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
QUATRO	4.7	3.7	6.0	4.0	2.3	4.7	4.2
BLUE HORNET (PPG-FO-102)	4.7	2.7	5.0	4.0	2.0	4.7	3.8
BAR FO 131	3.7	2.7	3.0	4.0	2.3	5.7	3.6
LSD VALUE	1.9	1.6	1.6	1.3	0.8	0.9	0.6
C.V. (%)	26.6	33.3	21.4	20.4	21.2	11.5	22.5

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 16F.

SEEDLING VIGOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/							
NAME	IN1	NC1	NJ2	OR1	PA2	WI1	MEAN
SEABREEZE GT	5.3	3.3	6.3	6.3	3.7	6.7	5.3
BAR FRL 122	5.3	4.3	5.3	5.7	3.3	7.0	5.2
LSD VALUE	1.9	0.9	2.2	0.9	0.9	0.7	0.6
C.V. (%)	21.7	15.1	23.2	9.6	16.5	6.0	16.3

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

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

TABLE 17A.

SPRING DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY		2/ MEAN
	IA1	NC1	
NAI-CHU1	6.7	8.7	7.7
PPG-FRR-134	6.7	8.0	7.3
SHADOW IV (PST-4SHAD)	6.7	8.0	7.3
BRITTANY 2	6.0	8.7	7.3
DLFPS-FL-3104	5.7	8.7	7.2
5Z2	5.7	8.3	7.0
GLADIATOR	6.3	7.7	7.0
SEABREEZE GT	5.7	8.3	7.0
BOREAL	6.0	7.7	6.8
CARDINAL II	6.0	7.7	6.8
KEVIN	6.0	7.7	6.8
BAR FRC 130	5.0	8.7	6.8
DLFPS-FRC-3105	5.0	8.7	6.8
BAR FRL 122	5.0	8.3	6.7
BYE	5.7	7.7	6.7
PPG-FRC 127	5.0	8.3	6.7
PPG-FRC-130	5.0	8.3	6.7
PST-4SWTM	5.0	8.3	6.7
DLF-FRR-3128	5.3	8.0	6.7
PPG-FL 128	5.3	8.0	6.7
PPG-FRR 132	6.0	7.3	6.7
RAD-FR64	5.3	8.0	6.7
RESOLUTE	6.0	7.3	6.7
5Z5	4.7	8.3	6.5
BAR FRC 123	4.7	8.3	6.5
COMPASS II	4.7	8.3	6.5
FOXFIRE 2	5.7	7.3	6.5
JAMESTOWN VII	4.7	8.3	6.5
SPHD-20	5.7	7.3	6.5
STB1	5.7	7.3	6.5
BAR FT 135	5.0	7.7	6.3
PVF-HSY+	5.0	7.7	6.3
PVF-MVP-2020	4.3	8.3	6.3
BAR FT 132	5.3	7.3	6.3
QUATRO	4.7	7.7	6.2
RAD-FC59	4.7	7.7	6.2
BAR FO 131	5.0	7.3	6.2
PVF-PDB-2020	5.0	7.3	6.2
BLUE HORNET (PPG-FO-102)	4.7	7.3	6.0
SWORD II (NAI-HAQ1+2)	5.3	6.7	6.0
DA5-RHF	5.7	6.0	5.8
PPG-FRR 127	4.7	6.7	5.7
TENACIOUS (NAI-HTB2)	4.7	6.7	5.7
LSD VALUE	1.6	1.6	1.1
C.V. (%)	19.1	12.4	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 17B.

SPRING DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	IA1	NC1	MEAN
NAI-CHU1	6.7	8.7	7.7
SHADOW IV (PST-4SHAD)	6.7	8.0	7.3
BRITTANY 2	6.0	8.7	7.3
BAR FRC 130	5.0	8.7	6.8
DLFPS-FRC-3105	5.0	8.7	6.8
PPG-FRC 127	5.0	8.3	6.7
PPG-FRC-130	5.0	8.3	6.7
PST-4SWTM	5.0	8.3	6.7
BAR FRC 123	4.7	8.3	6.5
COMPASS II	4.7	8.3	6.5
JAMESTOWN VII	4.7	8.3	6.5
PVF-MVP-2020	4.3	8.3	6.3
RAD-FC59	4.7	7.7	6.2
LSD VALUE	1.6	1.5	1.1
C.V. (%)	18.8	11.0	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 17C.

SPRING DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NC1	MEAN
PPG-FRR-134	6.7	8.0	7.3
5Z2	5.7	8.3	7.0
BOREAL	6.0	7.7	6.8
CARDINAL II	6.0	7.7	6.8
KEVIN	6.0	7.7	6.8
BYE	5.7	7.7	6.7
DLF-FRR-3128	5.3	8.0	6.7
PPG-FRR 132	6.0	7.3	6.7
RAD-FR64	5.3	8.0	6.7
5Z5	4.7	8.3	6.5
FOXFIRE 2	5.7	7.3	6.5
STB1	5.7	7.3	6.5
PVF-HSY+	5.0	7.7	6.3
PPG-FRR 127	4.7	6.7	5.7
LSD VALUE	1.7	1.1	1.0
C.V. (%)	18.5	9.0	13.2

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

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

TABLE 17D.

SPRING DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NC1	MEAN
DLFPS-FL-3104	5.7	8.7	7.2
GLADIATOR	6.3	7.7	7.0
PPG-FL 128	5.3	8.0	6.7
RESOLUTE	6.0	7.3	6.7
SPHD-20	5.7	7.3	6.5
BAR FT 135	5.0	7.7	6.3
BAR FT 132	5.3	7.3	6.3
PVF-PDB-2020	5.0	7.3	6.2
SWORD II (NAI-HAQ1+2)	5.3	6.7	6.0
DA5-RHF	5.7	6.0	5.8
TENACIOUS (NAI-HTB2)	4.7	6.7	5.7
LSD VALUE	1.9	2.0	1.4
C.V. (%)	21.9	17.0	19.1

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 17E.

SPRING DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NC1	MEAN
QUATRO	4.7	7.7	6.2
BAR FO 131	5.0	7.3	6.2
BLUE HORNET (PPG-FO-102)	4.7	7.3	6.0
LSD VALUE	1.2	2.1	1.2
C.V. (%)	15.6	17.3	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 17F.

SPRING DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1	NC1	MEAN
SEABREEZE GT	5.7	8.3	7.0
BAR FRL 122	5.0	8.3	6.7
LSD VALUE	0.7	0.9	0.6
C.V. (%)	7.7	6.9	7.3

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

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

TABLE 18A.

SUMMER DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IA1	NC1	PA2	QE1	
COMPASS II	7.0	9.0	6.7	7.0	7.4
GLADIATOR	7.3	8.3	7.0	7.0	7.4
PPG-FL 128	7.0	8.7	7.0	7.0	7.4
PPG-FRC 127	6.7	8.7	7.0	7.0	7.3
RAD-FC59	8.0	8.3	6.7	6.0	7.3
BRITTANY 2	6.7	9.0	6.7	6.3	7.2
SHADOW IV (PST-4SHAD)	6.7	9.0	5.7	7.0	7.1
NAI-CHU1	5.0	9.0	7.3	7.0	7.1
JAMESTOWN VII	6.0	8.7	6.7	6.7	7.0
PPG-FRC-130	5.0	9.0	7.0	7.0	7.0
RESOLUTE	7.7	8.3	6.0	6.0	7.0
SWORD II (NAI-HAQ1+2)	7.0	8.3	5.7	7.0	7.0
PPG-FRR 132	6.3	9.0	6.3	6.3	7.0
5Z5	6.0	9.0	6.7	6.0	6.9
BAR FT 135	6.7	8.3	6.0	6.7	6.9
BYE	5.7	9.0	6.7	6.3	6.9
DLF-FRR-3128	6.7	9.0	6.3	5.7	6.9
PST-4SWTM	6.0	9.0	6.0	6.7	6.9
PVF-HSY+	7.0	9.0	5.7	6.0	6.9
STB1	6.7	8.7	5.7	6.7	6.9
TENACIOUS (NAI-HTB2)	7.0	8.0	6.0	6.7	6.9
BAR FRC 123	6.0	9.0	6.0	6.3	6.8
PVF-MVP-2020	7.0	8.7	5.7	6.0	6.8
SPHD-20	5.7	9.0	5.7	6.7	6.8
BAR FRC 130	6.0	8.3	6.3	6.3	6.8
BAR FRL 122	5.3	9.0	6.7	6.0	6.8
DLFPS-FL-3104	6.0	8.0	6.0	7.0	6.8
KEVIN	7.0	7.7	6.3	6.0	6.8
PVF-PDB-2020	6.0	8.0	6.0	7.0	6.8
SEABREEZE GT	6.3	8.3	6.0	6.3	6.8
DA5-RHF	6.7	8.0	6.0	6.0	6.7
PPG-FRR 127	7.7	8.0	5.3	5.7	6.7
PPG-FRR-134	6.0	8.3	6.3	6.0	6.7
DLFPS-FRC-3105	4.7	8.7	6.3	7.0	6.7
QUATRO	6.3	8.0	6.3	6.0	6.7
RAD-FR64	6.3	8.3	6.0	5.7	6.6
BAR FO 131	6.7	8.3	5.3	6.0	6.6
CARDINAL II	6.0	8.7	5.7	6.0	6.6
5Z2	5.3	9.0	6.3	5.3	6.5
FOXFIRE 2	6.0	8.3	5.7	5.3	6.3
BLUE HORNET (PPG-FO-102)	5.7	8.0	5.7	5.7	6.3
BAR FT 132	5.3	6.7	5.7	6.7	6.1
BOREAL	6.0	5.3	5.3	5.3	5.5
LSD VALUE	2.0	1.2	1.4	1.1	0.7
C.V. (%)	19.9	8.7	14.1	11.2	13.5

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

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

TABLE 18B.

SUMMER DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IA1	NC1	PA2	QE1	
COMPASS II	7.0	9.0	6.7	7.0	7.4
PPG-FRC 127	6.7	8.7	7.0	7.0	7.3
RAD-FC59	8.0	8.3	6.7	6.0	7.3
BRITTANY 2	6.7	9.0	6.7	6.3	7.2
SHADOW IV (PST-4SHAD)	6.7	9.0	5.7	7.0	7.1
NAI-CHU1	5.0	9.0	7.3	7.0	7.1
JAMESTOWN VII	6.0	8.7	6.7	6.7	7.0
PPG-FRC-130	5.0	9.0	7.0	7.0	7.0
PST-4SWTM	6.0	9.0	6.0	6.7	6.9
BAR FRC 123	6.0	9.0	6.0	6.3	6.8
PVF-MVP-2020	7.0	8.7	5.7	6.0	6.8
BAR FRC 130	6.0	8.3	6.3	6.3	6.8
DLFPS-FRC-3105	4.7	8.7	6.3	7.0	6.7
LSD VALUE	2.2	0.8	1.3	1.2	0.7
C.V. (%)	21.6	5.5	12.9	11.6	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 18C.

SUMMER DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY				2/
	IA1	NC1	PA2	QE1	MEAN
PPG-FRR 132	6.3	9.0	6.3	6.3	7.0
5Z5	6.0	9.0	6.7	6.0	6.9
BYE	5.7	9.0	6.7	6.3	6.9
DLF-FRR-3128	6.7	9.0	6.3	5.7	6.9
PVF-HSY+	7.0	9.0	5.7	6.0	6.9
STB1	6.7	8.7	5.7	6.7	6.9
KEVIN	7.0	7.7	6.3	6.0	6.8
PPG-FRR 127	7.7	8.0	5.3	5.7	6.7
PPG-FRR-134	6.0	8.3	6.3	6.0	6.7
RAD-FR64	6.3	8.3	6.0	5.7	6.6
CARDINAL II	6.0	8.7	5.7	6.0	6.6
5Z2	5.3	9.0	6.3	5.3	6.5
FOXFIRE 2	6.0	8.3	5.7	5.3	6.3
BOREAL	6.0	5.3	5.3	5.3	5.5
LSD VALUE	1.9	1.2	1.4	1.3	0.7
C.V. (%)	19.0	8.6	14.9	13.6	13.9

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

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

TABLE 18D.

SUMMER DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IA1	NC1	PA2	QE1	
GLADIATOR	7.3	8.3	7.0	7.0	7.4
PPG-FL 128	7.0	8.7	7.0	7.0	7.4
RESOLUTE	7.7	8.3	6.0	6.0	7.0
SWORD II (NAI-HAQ1+2)	7.0	8.3	5.7	7.0	7.0
BAR FT 135	6.7	8.3	6.0	6.7	6.9
TENACIOUS (NAI-HTB2)	7.0	8.0	6.0	6.7	6.9
SPHD-20	5.7	9.0	5.7	6.7	6.8
DLFPS-FL-3104	6.0	8.0	6.0	7.0	6.8
PVF-PDB-2020	6.0	8.0	6.0	7.0	6.8
DA5-RHF	6.7	8.0	6.0	6.0	6.7
BAR FT 132	5.3	6.7	5.7	6.7	6.1
LSD VALUE	1.9	1.6	1.5	0.9	0.8
C.V. (%)	18.3	12.3	14.9	8.2	13.7

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

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

TABLE 18E.

SUMMER DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IA1	NC1	PA2	QE1	
QUATRO	6.3	8.0	6.3	6.0	6.7
BAR FO 131	6.7	8.3	5.3	6.0	6.6
BLUE HORNET (PPG-FO-102)	5.7	8.0	5.7	5.7	6.3
LSD VALUE	1.9	1.1	1.3	1.1	0.7
C.V. (%)	18.6	8.2	14.1	11.3	13.1

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

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

TABLE 18F.

SUMMER DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IA1	NC1	PA2	QE1	
BAR FRL 122	5.3	9.0	6.7	6.0	6.8
SEABREEZE GT	6.3	8.3	6.0	6.3	6.8
LSD VALUE	2.5	0.7	1.3	0.7	0.7
C.V. (%)	26.2	4.7	12.9	6.6	13.5

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

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

TABLE 19A.

FALL DENSITY RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
PPG-FL 128	7.3	7.0	7.7	9.0	8.7	4.7	7.4
BRITTANY 2	7.0	7.0	7.0	8.3	6.3	5.3	6.8
PVF-PDB-2020	6.3	6.7	6.7	9.0	7.3	4.3	6.7
TENACIOUS (NAI-HTB2)	6.0	5.7	6.0	9.0	8.3	5.3	6.7
SWORD II (NAI-HAQ1+2)	7.0	7.0	6.3	9.0	7.3	3.3	6.7
BAR FT 132	5.7	7.3	6.3	9.0	7.3	4.0	6.6
QUATRO	7.7	8.0	5.0	9.0	6.3	3.7	6.6
DA5-RHF	7.3	5.7	6.0	8.7	7.3	4.3	6.6
RESOLUTE	6.3	6.3	6.7	8.7	7.7	3.7	6.6
DLFPS-FL-3104	5.7	6.7	6.3	8.3	8.0	4.0	6.5
NAI-CHUI	7.7	6.3	4.7	8.3	7.0	5.0	6.5
PPG-FRC 127	6.7	6.0	5.0	8.7	6.3	6.0	6.4
PPG-FRR 132	7.0	7.0	6.7	7.0	5.7	5.3	6.4
BAR FRC 123	7.3	6.7	7.0	8.0	5.0	4.7	6.4
GLADIATOR	6.7	6.3	5.7	9.0	7.0	3.7	6.4
DLFPS-FRC-3105	7.0	6.0	5.0	8.7	6.7	5.0	6.4
CARDINAL II	7.0	6.7	6.7	7.3	6.0	4.3	6.3
BAR FRC 130	7.0	6.3	5.3	8.3	6.0	5.0	6.3
PPG-FRC-130	6.3	6.0	5.0	8.7	6.7	5.0	6.3
PPG-FRR-134	6.0	7.0	5.3	7.7	6.3	5.0	6.2
SPHD-20	5.3	6.3	6.3	9.0	6.7	3.3	6.2
5Z2	7.3	6.0	6.3	7.3	5.3	4.7	6.2
BLUE HORNET (PPG-FO-102)	5.7	6.0	4.3	9.0	6.7	5.0	6.1
PVF-HSY+	7.0	6.7	6.0	7.3	5.3	4.3	6.1
JAMESTOWN VII	7.3	6.0	4.3	8.3	6.0	4.7	6.1
BAR FT 135	5.0	6.0	6.0	9.0	6.3	4.0	6.1
BYE	7.0	6.7	5.3	7.3	5.7	4.3	6.1
STB1	6.7	6.3	6.0	7.3	5.3	4.7	6.1
COMPASS II	7.3	5.0	5.0	8.3	5.0	5.3	6.0
PVF-MVP-2020	6.7	5.7	3.7	8.3	5.7	5.7	5.9
RAD-FC59	6.7	6.0	5.3	8.7	5.0	4.0	5.9
PPG-FRR 127	6.7	7.0	5.0	7.0	5.3	4.3	5.9
SHADOW IV (PST-4SHAD)	7.0	7.3	4.7	8.0	4.7	3.7	5.9
BAR FRL 122	6.3	6.7	4.3	8.3	5.7	4.0	5.9
PST-4SWTM	6.7	5.7	4.3	8.3	5.0	4.7	5.8
5Z5	5.7	6.3	5.3	7.7	5.0	3.7	5.6
SEABREEZE GT	5.3	5.3	4.3	8.0	5.0	5.7	5.6
RAD-FR64	5.3	6.7	5.3	7.7	4.3	4.0	5.6
DLF-FRR-3128	5.7	6.0	5.7	7.7	4.3	3.3	5.4
BAR FO 131	5.7	7.3	3.0	8.7	4.0	3.7	5.4
KEVIN	5.0	7.0	4.7	7.3	3.0	5.0	5.3
BOREAL	4.3	7.3	3.7	8.0	2.7	4.3	5.1
FOXFIRE 2	5.3	5.3	2.7	7.3	4.3	5.0	5.0
LSD VALUE	1.6	1.8	2.2	0.8	2.1	1.3	0.7
C.V. (%)	15.6	17.8	25.5	6.1	22.5	18.1	17.4

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 19B.

FALL DENSITY RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
BRITTANY 2	7.0	7.0	7.0	8.3	6.3	5.3	6.8
NAI-CHU1	7.7	6.3	4.7	8.3	7.0	5.0	6.5
PPG-FRC 127	6.7	6.0	5.0	8.7	6.3	6.0	6.4
BAR FRC 123	7.3	6.7	7.0	8.0	5.0	4.7	6.4
DLFPS-FRC-3105	7.0	6.0	5.0	8.7	6.7	5.0	6.4
BAR FRC 130	7.0	6.3	5.3	8.3	6.0	5.0	6.3
PPG-FRC-130	6.3	6.0	5.0	8.7	6.7	5.0	6.3
JAMESTOWN VII	7.3	6.0	4.3	8.3	6.0	4.7	6.1
COMPASS II	7.3	5.0	5.0	8.3	5.0	5.3	6.0
PVF-MVP-2020	6.7	5.7	3.7	8.3	5.7	5.7	5.9
RAD-FC59	6.7	6.0	5.3	8.7	5.0	4.0	5.9
SHADOW IV (PST-4SHAD)	7.0	7.3	4.7	8.0	4.7	3.7	5.9
PST-4SWTM	6.7	5.7	4.3	8.3	5.0	4.7	5.8
LSD VALUE	1.7	1.7	1.9	1.0	1.9	1.2	0.6
C.V. (%)	14.9	17.5	22.6	7.1	20.3	15.3	15.9

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

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

TABLE 19C.

FALL DENSITY RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
PPG-FRR 132	7.0	7.0	6.7	7.0	5.7	5.3	6.4
CARDINAL II	7.0	6.7	6.7	7.3	6.0	4.3	6.3
PPG-FRR-134	6.0	7.0	5.3	7.7	6.3	5.0	6.2
5Z2	7.3	6.0	6.3	7.3	5.3	4.7	6.2
PVF-HSY+	7.0	6.7	6.0	7.3	5.3	4.3	6.1
BYE	7.0	6.7	5.3	7.3	5.7	4.3	6.1
STB1	6.7	6.3	6.0	7.3	5.3	4.7	6.1
PPG-FRR 127	6.7	7.0	5.0	7.0	5.3	4.3	5.9
5Z5	5.7	6.3	5.3	7.7	5.0	3.7	5.6
RAD-FR64	5.3	6.7	5.3	7.7	4.3	4.0	5.6
DLF-FRR-3128	5.7	6.0	5.7	7.7	4.3	3.3	5.4
KEVIN	5.0	7.0	4.7	7.3	3.0	5.0	5.3
BOREAL	4.3	7.3	3.7	8.0	2.7	4.3	5.1
FOXFIRE 2	5.3	5.3	2.7	7.3	4.3	5.0	5.0
LSD VALUE	1.5	1.9	1.7	0.9	2.6	1.4	0.7
C.V. (%)	15.5	18.0	19.8	7.8	33.4	19.3	18.9

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

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

TABLE 19D.

FALL DENSITY RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
PPG-FL 128	7.3	7.0	7.7	9.0	8.7	4.7	7.4
PVF-PDB-2020	6.3	6.7	6.7	9.0	7.3	4.3	6.7
TENACIOUS (NAI-HTB2)	6.0	5.7	6.0	9.0	8.3	5.3	6.7
SWORD II (NAI-HAQ1+2)	7.0	7.0	6.3	9.0	7.3	3.3	6.7
BAR FT 132	5.7	7.3	6.3	9.0	7.3	4.0	6.6
DA5-RHF	7.3	5.7	6.0	8.7	7.3	4.3	6.6
RESOLUTE	6.3	6.3	6.7	8.7	7.7	3.7	6.6
DLFPS-FL-3104	5.7	6.7	6.3	8.3	8.0	4.0	6.5
GLADIATOR	6.7	6.3	5.7	9.0	7.0	3.7	6.4
SPHD-20	5.3	6.3	6.3	9.0	6.7	3.3	6.2
BAR FT 135	5.0	6.0	6.0	9.0	6.3	4.0	6.1
LSD VALUE	1.7	1.7	2.6	0.5	1.9	1.3	0.7
C.V. (%)	16.5	16.6	25.8	3.4	15.7	19.2	16.4

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

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

TABLE 19E.

FALL DENSITY RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
QUATRO	7.7	8.0	5.0	9.0	6.3	3.7	6.6
BLUE HORNET (PPG-FO-102)	5.7	6.0	4.3	9.0	6.7	5.0	6.1
BAR FO 131	5.7	7.3	3.0	8.7	4.0	3.7	5.4
LSD VALUE	1.3	2.1	3.5	0.5	1.8	1.2	0.8
C.V. (%)	12.9	18.8	53.2	3.8	19.5	18.1	20.4

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 19F.

FALL DENSITY RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	MN1	NC1	NJ2	WA1	
BAR FRL 122	6.3	6.7	4.3	8.3	5.7	4.0	5.9
SEABREEZE GT	5.3	5.3	4.3	8.0	5.0	5.7	5.6
LSD VALUE	1.9	2.2	2.5	0.7	1.3	1.7	0.7
C.V. (%)	19.8	22.6	35.3	5.0	15.3	22.3	19.4

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 (SPRING) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
BAR FRC 123	99.0	99	97.7	99.0	98.7
PPG-FRC-130	98.7	99	98.0	99.0	98.7
COMPASS II	98.7	99	97.7	99.0	98.6
QUATRO	99.0	99	97.3	99.0	98.6
TENACIOUS (NAI-HTB2)	99.0	99	97.3	99.0	98.6
PPG-FRC 127	98.3	99	97.3	99.0	98.4
PVF-PDB-2020	98.7	99	96.7	99.0	98.3
BAR FT 135	98.3	99	97.0	99.0	98.3
BRITTANY 2	98.3	99	96.7	99.0	98.3
5Z5	97.7	99	97.0	99.0	98.2
DLFPS-FRC-3105	98.0	99	96.7	99.0	98.2
GLADIATOR	98.0	99	96.7	99.0	98.2
RESOLUTE	98.3	99	96.3	99.0	98.2
JAMESTOWN VII	97.0	99	97.3	99.0	98.1
RAD-FR64	97.3	99	97.0	99.0	98.1
BAR FRC 130	98.7	99	95.3	99.0	98.0
SEABREEZE GT	96.3	99	97.7	99.0	98.0
BOREAL	95.7	99	98.0	99.0	97.9
STB1	98.7	99	95.0	99.0	97.9
PVF-MVP-2020	96.3	99	97.3	99.0	97.9
DLFPS-FL-3104	96.7	99	96.7	99.0	97.8
SHADOW IV (PST-4SHAD)	95.7	99	97.7	99.0	97.8
DLF-FRR-3128	95.0	99	98.3	99.0	97.8
KEVIN	95.3	99	98.0	99.0	97.8
BAR FO 131	99.0	99	94.0	99.0	97.8
BYE	95.3	99	97.7	99.0	97.8
PST-4SWTM	95.0	99	97.7	99.0	97.7
NAI-CHU1	97.0	99	95.3	99.0	97.6
PPG-FL 128	98.3	99	93.3	99.0	97.4
PPG-FRR 132	97.0	99	97.0	96.0	97.3
PPG-FRR-134	93.7	99	97.3	99.0	97.3
5Z2	92.3	99	98.0	99.0	97.1
BAR FT 132	94.0	99	96.3	99.0	97.1
CARDINAL II	92.3	99	98.0	99.0	97.1
PVF-HSY+	94.3	99	96.0	99.0	97.1
BAR FRL 122	92.0	99	97.7	99.0	96.9
RAD-FC59	99.0	99	98.3	91.0	96.8
PPG-FRR 127	98.3	99	96.0	91.0	96.1
DA5-RHF	97.7	99	94.0	92.7	95.8
SWORD II (NAI-HAQ1+2)	89.0	99	96.3	99.0	95.8
BLUE HORNET (PPG-FO-102)	99.0	99	98.0	86.0	95.5
FOXFIRE 2	94.0	99	96.7	86.0	93.9
SPHD-20	87.7	99	95.0	81.3	90.8
LSD VALUE	8.2	0	3.2	10.4	3.4
C.V. (%)	5.3	0	2.1	6.6	4.3

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

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

TABLE 20B.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
BAR FRC 123	99.0	99	97.7	99.0	98.7
PPG-FRC-130	98.7	99	98.0	99.0	98.7
COMPASS II	98.7	99	97.7	99.0	98.6
PPG-FRC 127	98.3	99	97.3	99.0	98.4
BRITTANY 2	98.3	99	96.7	99.0	98.3
DLFPS-FRC-3105	98.0	99	96.7	99.0	98.2
JAMESTOWN VII	97.0	99	97.3	99.0	98.1
BAR FRC 130	98.7	99	95.3	99.0	98.0
PVF-MVP-2020	96.3	99	97.3	99.0	97.9
SHADOW IV (PST-4SHAD)	95.7	99	97.7	99.0	97.8
PST-4SWTM	95.0	99	97.7	99.0	97.7
NAI-CHU1	97.0	99	95.3	99.0	97.6
RAD-FC59	99.0	99	98.3	91.0	96.8
LSD VALUE	3.8	0	3.4	6.2	2.0
C.V. (%)	2.4	0	2.2	3.9	2.5

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 20C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
5Z5	97.7	99	97.0	99.0	98.2
RAD-FR64	97.3	99	97.0	99.0	98.1
BOREAL	95.7	99	98.0	99.0	97.9
STB1	98.7	99	95.0	99.0	97.9
DLF-FRR-3128	95.0	99	98.3	99.0	97.8
KEVIN	95.3	99	98.0	99.0	97.8
BYE	95.3	99	97.7	99.0	97.8
PPG-FRR 132	97.0	99	97.0	96.0	97.3
PPG-FRR-134	93.7	99	97.3	99.0	97.3
5Z2	92.3	99	98.0	99.0	97.1
CARDINAL II	92.3	99	98.0	99.0	97.1
PVF-HSY+	94.3	99	96.0	99.0	97.1
PPG-FRR 127	98.3	99	96.0	91.0	96.1
FOXFIRE 2	94.0	99	96.7	86.0	93.9
LSD VALUE	7.6	0	2.6	11.6	3.5
C.V. (%)	4.9	0	1.7	7.4	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 20D.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
TENACIOUS (NAI-HTB2)	99.0	99	97.3	99.0	98.6
PVF-PDB-2020	98.7	99	96.7	99.0	98.3
BAR FT 135	98.3	99	97.0	99.0	98.3
GLADIATOR	98.0	99	96.7	99.0	98.2
RESOLUTE	98.3	99	96.3	99.0	98.2
DLFPS-FL-3104	96.7	99	96.7	99.0	97.8
PPG-FL 128	98.3	99	93.3	99.0	97.4
BAR FT 132	94.0	99	96.3	99.0	97.1
DA5-RHF	97.7	99	94.0	92.7	95.8
SWORD II (NAI-HAQ1+2)	89.0	99	96.3	99.0	95.8
SPHD-20	87.7	99	95.0	81.3	90.8
LSD VALUE	11.6	0	3.6	9.2	3.8
C.V. (%)	7.5	0	2.3	5.9	4.9

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

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

TABLE 20E. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
QUATRO	99	99	97.3	99.0	98.6
BAR FO 131	99	99	94.0	99.0	97.8
BLUE HORNET (PPG-FO-102)	99	99	98.0	86.0	95.5
LSD VALUE	0	0	3.9	20.9	5.3
C.V. (%)	0	0	2.5	13.7	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 20F. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	NC1	PA2	VA1	MEAN
SEABREEZE GT	96.3	99	97.7	99	98.0
BAR FRL 122	92.0	99	97.7	99	96.9
LSD VALUE	14.8	0	2.7	0	3.8
C.V. (%)	9.7	0	1.7	0	4.8

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

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

TABLE 21A.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					MEAN
	IA1	NC1	PA2	QE1	WA1	
PPG-FRC-130	94.7	99.0	99.0	73.3	68.3	86.9
PVF-MVP-2020	93.7	98.3	98.7	66.7	73.3	86.1
SEABREEZE GT	89.0	94.0	99.0	70.0	78.3	86.1
STB1	82.0	99.0	99.0	71.7	70.0	84.3
BAR FRL 122	96.3	96.3	98.7	68.3	60.0	83.9
COMPASS II	79.3	99.0	99.0	71.7	70.0	83.8
NAI-CHU1	93.0	99.0	99.0	65.0	61.7	83.5
RAD-FR64	93.3	94.3	99.0	68.3	61.7	83.3
PST-4SWTM	88.7	99.0	99.0	65.0	61.7	82.7
PVF-HSY+	91.0	99.0	99.0	70.0	53.3	82.5
PPG-FRR-134	84.7	99.0	99.0	71.7	56.7	82.2
BRITTANY 2	86.0	99.0	99.0	70.0	56.7	82.1
SHADOW IV (PST-4SHAD)	82.7	99.0	99.0	65.0	65.0	82.1
BAR FRC 123	68.3	99.0	99.0	71.7	71.7	81.9
BAR FRC 130	70.3	99.0	99.0	65.0	71.7	81.0
JAMESTOWN VII	76.7	99.0	99.0	68.3	58.3	80.3
BYE	85.3	99.0	97.7	68.3	50.0	80.1
5Z2	88.3	99.0	99.0	61.7	50.0	79.6
KEVIN	72.7	99.0	99.0	70.0	56.7	79.5
PPG-FRR 127	69.3	99.0	98.7	66.7	63.3	79.4
RAD-FC59	77.7	99.0	99.0	66.7	53.3	79.1
CARDINAL II	85.7	97.7	99.0	65.0	46.7	78.8
PPG-FRR 132	69.3	99.0	99.0	68.3	56.7	78.5
PPG-FRC 127	87.7	69.3	99.0	73.3	61.7	78.2
DLFPS-FRC-3105	69.3	99.0	99.0	70.0	53.3	78.1
5Z5	86.7	99.0	99.0	65.0	36.7	77.3
FOXFIRE 2	85.7	92.7	99.0	51.7	55.0	76.8
BAR FO 131	72.3	90.0	98.3	66.7	53.3	76.1
DLF-FRR-3128	77.0	98.3	99.0	66.7	38.3	75.9
TENACIOUS (NAI-HTB2)	80.3	83.3	99.0	55.0	58.3	75.2
BOREAL	72.7	75.0	99.0	68.3	56.7	74.3
PVF-PDB-2020	86.3	86.7	99.0	66.7	30.0	73.7
PPG-FL 128	77.7	88.0	99.0	68.3	35.0	73.6
BLUE HORNET (PPG-FO-102)	88.7	75.0	99.0	60.0	41.7	72.9
DLFPS-FL-3104	90.0	80.0	99.0	60.0	33.3	72.5
BAR FT 132	77.0	73.3	97.7	65.0	43.3	71.3
BAR FT 135	83.7	68.3	98.7	61.7	43.3	71.1
SWORD II (NAI-HAQ1+2)	93.3	70.0	99.0	63.3	28.3	70.8
GLADIATOR	89.7	76.7	97.7	68.3	16.7	69.8
SPHD-20	82.0	73.3	99.0	61.7	28.3	68.9
DA5-RHF	86.0	61.7	99.0	53.3	41.7	68.3
RESOLUTE	76.0	66.7	98.7	48.3	20.0	61.9
QUATRO	65.3	53.3	99.0	66.7	15.0	59.9
LSD VALUE	24.6	17.1	1.1	17.9	30.2	9.2
C.V. (%)	18.6	11.9	0.7	16.9	36.7	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 21B.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/						
NAME	IA1	NC1	PA2	QE1	WA1	MEAN
PPG-FRC-130	94.7	99.0	99.0	73.3	68.3	86.9
PVF-MVP-2020	93.7	98.3	98.7	66.7	73.3	86.1
COMPASS II	79.3	99.0	99.0	71.7	70.0	83.8
NAI-CHU1	93.0	99.0	99.0	65.0	61.7	83.5
PST-4SWTM	88.7	99.0	99.0	65.0	61.7	82.7
BRITTANY 2	86.0	99.0	99.0	70.0	56.7	82.1
SHADOW IV (PST-4SHAD)	82.7	99.0	99.0	65.0	65.0	82.1
BAR FRC 123	68.3	99.0	99.0	71.7	71.7	81.9
BAR FRC 130	70.3	99.0	99.0	65.0	71.7	81.0
JAMESTOWN VII	76.7	99.0	99.0	68.3	58.3	80.3
RAD-FC59	77.7	99.0	99.0	66.7	53.3	79.1
PPG-FRC 127	87.7	69.3	99.0	73.3	61.7	78.2
DLFPS-FRC-3105	69.3	99.0	99.0	70.0	53.3	78.1
LSD VALUE	23.7	22.9	0.3	19.4	30.3	9.8
C.V. (%)	17.9	14.7	0.2	17.5	29.6	16.5

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

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

TABLE 21C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/						
NAME	IA1	NC1	PA2	QE1	WA1	MEAN
STB1	82.0	99.0	99.0	71.7	70.0	84.3
RAD-FR64	93.3	94.3	99.0	68.3	61.7	83.3
PVF-HSY+	91.0	99.0	99.0	70.0	53.3	82.5
PPG-FRR-134	84.7	99.0	99.0	71.7	56.7	82.2
BYE	85.3	99.0	97.7	68.3	50.0	80.1
5Z2	88.3	99.0	99.0	61.7	50.0	79.6
KEVIN	72.7	99.0	99.0	70.0	56.7	79.5
PPG-FRR 127	69.3	99.0	98.7	66.7	63.3	79.4
CARDINAL II	85.7	97.7	99.0	65.0	46.7	78.8
PPG-FRR 132	69.3	99.0	99.0	68.3	56.7	78.5
5Z5	86.7	99.0	99.0	65.0	36.7	77.3
FOXFIRE 2	85.7	92.7	99.0	51.7	55.0	76.8
DLF-FRR-3128	77.0	98.3	99.0	66.7	38.3	75.9
BOREAL	72.7	75.0	99.0	68.3	56.7	74.3
LSD VALUE	23.8	7.0	1.0	16.7	27.0	8.1
C.V. (%)	18.1	4.5	0.6	15.6	31.3	14.1

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 21D.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					MEAN
	IA1	NC1	PA2	QE1	WA1	
TENACIOUS (NAI-HTB2)	80.3	83.3	99.0	55.0	58.3	75.2
PVF-PDB-2020	86.3	86.7	99.0	66.7	30.0	73.7
PPG-FL 128	77.7	88.0	99.0	68.3	35.0	73.6
DLFPS-FL-3104	90.0	80.0	99.0	60.0	33.3	72.5
BAR FT 132	77.0	73.3	97.7	65.0	43.3	71.3
BAR FT 135	83.7	68.3	98.7	61.7	43.3	71.1
SWORD II (NAI-HAQ1+2)	93.3	70.0	99.0	63.3	28.3	70.8
GLADIATOR	89.7	76.7	97.7	68.3	16.7	69.8
SPHD-20	82.0	73.3	99.0	61.7	28.3	68.9
DA5-RHF	86.0	61.7	99.0	53.3	41.7	68.3
RESOLUTE	76.0	66.7	98.7	48.3	20.0	61.9
LSD VALUE	29.4	20.1	1.6	18.9	33.3	10.5
C.V. (%)	21.8	16.6	1.0	19.2	60.2	20.6

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

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

TABLE 21E. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					MEAN
	IA1	NC1	PA2	QE1	WA1	
BAR FO 131	72.3	90.0	98.3	66.7	53.3	76.1
BLUE HORNET (PPG-FO-102)	88.7	75.0	99.0	60.0	41.7	72.9
QUATRO	65.3	53.3	99.0	66.7	15.0	59.9
LSD VALUE	20.5	14.2	1.1	17.2	37.9	9.7
C.V. (%)	16.9	12.1	0.7	16.6	64.3	19.4

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 21F. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					MEAN
	IA1	NC1	PA2	QE1	WA1	
SEABREEZE GT	89.0	94.0	99.0	70.0	78.3	86.1
BAR FRL 122	96.3	96.3	98.7	68.3	60.0	83.9
LSD VALUE	5.5	4.9	0.7	10.4	17.4	4.3
C.V. (%)	3.7	3.2	0.4	9.3	15.6	7.0

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

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

TABLE 22A.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						MEAN
	IA1	MN1	NC1	NJ2	PA2	WA1	
NAI-CHU1	98.3	94.7	81.7	96.3	99.0	85.0	92.5
PPG-FRR 127	96.0	86.0	93.3	93.3	99.0	86.7	92.4
PPG-FRR-134	97.3	88.0	83.3	96.3	99.0	90.0	92.3
BRITTANY 2	97.7	96.3	75.0	91.3	99.0	90.0	91.6
PPG-FRC-130	97.7	95.3	63.0	96.0	99.0	91.7	90.4
DLFPS-FL-3104	97.7	95.7	70.0	97.7	99.0	82.3	90.4
PPG-FRR 132	93.7	89.3	81.7	88.3	99.0	90.0	90.3
PST-4SWTM	98.3	93.7	81.0	86.7	99.0	83.3	90.3
PPG-FL 128	95.0	95.7	68.3	97.7	99.0	85.0	90.1
PPG-FRC 127	99.0	95.3	58.3	94.7	98.7	93.3	89.9
STB1	97.3	88.7	75.0	92.7	99.0	86.7	89.9
JAMESTOWN VII	95.0	89.7	80.0	91.7	99.0	83.3	89.8
BYE	98.0	86.7	80.0	93.0	97.7	81.7	89.5
PVF-MVP-2020	98.7	93.3	55.0	97.7	98.3	93.3	89.4
DLFPS-FRC-3105	97.0	92.0	70.0	93.0	99.0	83.3	89.1
COMPASS II	97.7	92.3	66.7	86.7	99.0	91.7	89.0
5Z5	98.3	89.0	81.7	89.7	99.0	75.0	88.8
5Z2	98.3	92.3	68.3	88.3	97.7	85.0	88.3
TENACIOUS (NAI-HTB2)	98.3	94.7	47.7	99.0	99.0	90.0	88.1
CARDINAL II	93.0	88.3	70.0	90.0	98.3	83.3	87.2
PVF-HSY+	97.7	90.0	61.7	91.3	99.0	83.3	87.2
DA5-RHF	98.3	96.3	45.0	96.3	99.0	85.0	86.7
SPHD-20	97.3	96.7	55.0	97.7	97.7	75.0	86.6
BAR FT 135	97.0	94.7	45.0	96.3	98.7	86.7	86.4
FOXFIRE 2	95.7	86.7	68.3	83.3	99.0	85.0	86.3
BAR FRC 130	97.0	94.7	56.0	83.3	98.3	88.3	86.3
PVF-PDB-2020	98.0	95.0	46.7	96.0	98.3	80.0	85.7
RAD-FC59	97.7	94.3	43.3	90.0	99.0	83.3	84.6
RESOLUTE	97.0	95.7	40.0	97.7	97.7	78.3	84.4
BAR FRL 122	98.0	95.3	56.7	73.3	99.0	81.7	84.0
SHADOW IV (PST-4SHAD)	94.7	93.7	66.7	71.7	98.7	76.7	83.7
DLF-FRR-3128	96.0	87.0	55.0	83.3	98.0	78.3	82.9
GLADIATOR	97.7	96.7	44.3	86.7	97.7	73.3	82.7
BAR FRC 123	97.0	94.7	46.7	73.3	98.3	85.0	82.5
BLUE HORNET (PPG-FO-102)	98.0	91.7	21.0	96.0	99.0	88.3	82.3
BAR FO 131	95.7	84.7	46.7	83.3	99.0	80.0	81.6
SEABREEZE GT	97.3	93.3	24.3	83.3	98.3	91.7	81.4
BAR FT 132	95.3	90.7	33.3	93.0	98.3	76.7	81.2
SWORD II (NAI-HAQ1+2)	97.7	96.7	25.0	94.7	98.3	75.0	81.2
KEVIN	93.7	84.7	66.7	58.3	98.7	85.0	81.2
QUATRO	95.3	96.7	30.0	93.0	99.0	71.7	80.9
RAD-FR64	97.7	78.7	30.0	83.3	99.0	75.0	77.3
BOREAL	86.3	78.0	25.0	45.0	99.0	81.7	69.2
LSD VALUE	5.2	5.8	26.3	14.6	1.5	10.8	5.5
C.V. (%)	3.3	3.9	28.1	10.3	0.9	8.0	9.6

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

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

TABLE 22B.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						MEAN
	IA1	MN1	NC1	NJ2	PA2	WA1	
NAI-CHU1	98.3	94.7	81.7	96.3	99.0	85.0	92.5
BRITTANY 2	97.7	96.3	75.0	91.3	99.0	90.0	91.6
PPG-FRC-130	97.7	95.3	63.0	96.0	99.0	91.7	90.4
PST-4SWTM	98.3	93.7	81.0	86.7	99.0	83.3	90.3
PPG-FRC 127	99.0	95.3	58.3	94.7	98.7	93.3	89.9
JAMESTOWN VII	95.0	89.7	80.0	91.7	99.0	83.3	89.8
PVF-MVP-2020	98.7	93.3	55.0	97.7	98.3	93.3	89.4
DLFPS-FRC-3105	97.0	92.0	70.0	93.0	99.0	83.3	89.1
COMPASS II	97.7	92.3	66.7	86.7	99.0	91.7	89.0
BAR FRC 130	97.0	94.7	56.0	83.3	98.3	88.3	86.3
RAD-FC59	97.7	94.3	43.3	90.0	99.0	83.3	84.6
SHADOW IV (PST-4SHAD)	94.7	93.7	66.7	71.7	98.7	76.7	83.7
BAR FRC 123	97.0	94.7	46.7	73.3	98.3	85.0	82.5
LSD VALUE	4.0	4.1	27.7	17.0	1.0	10.3	5.8
C.V. (%)	2.5	2.7	26.5	12.0	0.6	7.4	9.9

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

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

TABLE 22C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/							
NAME	IA1	MN1	NC1	NJ2	PA2	WA1	MEAN
PPG-FRR 127	96.0	86.0	93.3	93.3	99.0	86.7	92.4
PPG-FRR-134	97.3	88.0	83.3	96.3	99.0	90.0	92.3
PPG-FRR 132	93.7	89.3	81.7	88.3	99.0	90.0	90.3
STB1	97.3	88.7	75.0	92.7	99.0	86.7	89.9
BYE	98.0	86.7	80.0	93.0	97.7	81.7	89.5
5Z5	98.3	89.0	81.7	89.7	99.0	75.0	88.8
5Z2	98.3	92.3	68.3	88.3	97.7	85.0	88.3
CARDINAL II	93.0	88.3	70.0	90.0	98.3	83.3	87.2
PVF-HSY+	97.7	90.0	61.7	91.3	99.0	83.3	87.2
FOXFIRE 2	95.7	86.7	68.3	83.3	99.0	85.0	86.3
DLF-FRR-3128	96.0	87.0	55.0	83.3	98.0	78.3	82.9
KEVIN	93.7	84.7	66.7	58.3	98.7	85.0	81.2
RAD-FR64	97.7	78.7	30.0	83.3	99.0	75.0	77.3
BOREAL	86.3	78.0	25.0	45.0	99.0	81.7	69.2
LSD VALUE	6.9	7.5	26.4	15.8	1.3	9.5	5.6
C.V. (%)	4.5	5.3	24.4	11.7	0.8	7.1	10.0

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

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

TABLE 22D.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						MEAN
	IA1	MN1	NC1	NJ2	PA2	WA1	
DLFPS-FL-3104	97.7	95.7	70.0	97.7	99.0	82.3	90.4
PPG-FL 128	95.0	95.7	68.3	97.7	99.0	85.0	90.1
TENACIOUS (NAI-HTB2)	98.3	94.7	47.7	99.0	99.0	90.0	88.1
DA5-RHF	98.3	96.3	45.0	96.3	99.0	85.0	86.7
SPHD-20	97.3	96.7	55.0	97.7	97.7	75.0	86.6
BAR FT 135	97.0	94.7	45.0	96.3	98.7	86.7	86.4
PVF-PDB-2020	98.0	95.0	46.7	96.0	98.3	80.0	85.7
RESOLUTE	97.0	95.7	40.0	97.7	97.7	78.3	84.4
GLADIATOR	97.7	96.7	44.3	86.7	97.7	73.3	82.7
BAR FT 132	95.3	90.7	33.3	93.0	98.3	76.7	81.2
SWORD II (NAI-HAQ1+2)	97.7	96.7	25.0	94.7	98.3	75.0	81.2
LSD VALUE	3.6	3.1	28.3	6.7	2.2	12.5	5.2
C.V. (%)	2.3	2.0	36.4	4.3	1.4	9.6	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 22E. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/							
NAME	IA1	MN1	NC1	NJ2	PA2	WA1	MEAN
BLUE HORNET (PPG-FO-102)	98.0	91.7	21.0	96.0	99	88.3	82.3
BAR FO 131	95.7	84.7	46.7	83.3	99	80.0	81.6
QUATRO	95.3	96.7	30.0	93.0	99	71.7	80.9
LSD VALUE	6.1	10.0	15.4	9.8	0	12.9	4.2
C.V. (%)	4.0	6.8	29.5	6.7	0	10.0	7.9

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

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

TABLE 22F. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/							
NAME	IA1	MN1	NC1	NJ2	PA2	WA1	MEAN
BAR FRL 122	98.0	95.3	56.7	73.3	99.0	81.7	84.0
SEABREEZE GT	97.3	93.3	24.3	83.3	98.3	91.7	81.4
LSD VALUE	3.8	4.0	16.3	23.9	1.3	9.3	5.2
C.V. (%)	2.4	2.7	25.0	19.0	0.8	6.7	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 23A.

WINTER COLOR RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
RAD-FC59	8.7	4.3	6.5
5Z5	8.0	4.7	6.3
BAR FRC 123	8.0	4.7	6.3
COMPASS II	8.3	4.3	6.3
NAI-CHU1	8.0	4.7	6.3
PPG-FRC-130	8.0	4.7	6.3
PVF-MVP-2020	8.3	4.3	6.3
RAD-FR64	8.3	4.3	6.3
PPG-FRC 127	8.3	4.0	6.2
STB1	8.3	4.0	6.2
5Z2	8.0	4.3	6.2
PPG-FRR 132	8.0	4.3	6.2
BAR FO 131	8.0	4.0	6.0
BAR FRC 130	7.7	4.3	6.0
BRITTANY 2	8.0	4.0	6.0
DLF-FRR-3128	8.0	4.0	6.0
DLFPS-FRC-3105	8.0	4.0	6.0
JAMESTOWN VII	8.0	4.0	6.0
KEVIN	7.7	4.3	6.0
PPG-FRR 127	8.0	4.0	6.0
PPG-FRR-134	8.0	4.0	6.0
PVF-HSY+	8.0	4.0	6.0
SHADOW IV (PST-4SHAD)	8.0	4.0	6.0
BAR FT 132	8.3	3.3	5.8
BYE	7.7	4.0	5.8
CARDINAL II	7.7	4.0	5.8
FOXFIRE 2	7.7	4.0	5.8
GLADIATOR	7.7	4.0	5.8
QUATRO	7.7	4.0	5.8
RESOLUTE	8.3	3.3	5.8
DLFPS-FL-3104	8.0	3.3	5.7
PST-4SWTM	7.7	3.7	5.7
SPHD-20	8.0	3.3	5.7
SEABREEZE GT	7.3	4.0	5.7
SWORD II (NAI-HAQ1+2)	7.3	4.0	5.7
PPG-FL 128	7.0	4.0	5.5
TENACIOUS (NAI-HTB2)	6.7	4.0	5.3
BAR FT 135	7.3	3.3	5.3
BLUE HORNET (PPG-FO-102)	7.0	3.7	5.3
DA5-RHF	7.3	3.3	5.3
PVF-PDB-2020	7.0	3.7	5.3
BAR FRL 122	6.7	3.7	5.2
BOREAL	6.7	3.7	5.2
LSD VALUE	1.0	0.8	0.6
C.V. (%)	7.8	11.9	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 23B.

WINTER COLOR RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
RAD-FC59	8.7	4.3	6.5
BAR FRC 123	8.0	4.7	6.3
COMPASS II	8.3	4.3	6.3
NAI-CHU1	8.0	4.7	6.3
PPG-FRC-130	8.0	4.7	6.3
PVF-MVP-2020	8.3	4.3	6.3
PPG-FRC 127	8.3	4.0	6.2
BAR FRC 130	7.7	4.3	6.0
BRITTANY 2	8.0	4.0	6.0
DLFPS-FRC-3105	8.0	4.0	6.0
JAMESTOWN VII	8.0	4.0	6.0
SHADOW IV (PST-4SHAD)	8.0	4.0	6.0
PST-4SWTM	7.7	3.7	5.7
LSD VALUE	0.9	0.7	0.6
C.V. (%)	6.9	10.7	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 23C.

WINTER COLOR RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
5Z5	8.0	4.7	6.3
RAD-FR64	8.3	4.3	6.3
STB1	8.3	4.0	6.2
5Z2	8.0	4.3	6.2
PPG-FRR 132	8.0	4.3	6.2
DLF-FRR-3128	8.0	4.0	6.0
KEVIN	7.7	4.3	6.0
PPG-FRR 127	8.0	4.0	6.0
PPG-FRR-134	8.0	4.0	6.0
PVF-HSY+	8.0	4.0	6.0
BYE	7.7	4.0	5.8
CARDINAL II	7.7	4.0	5.8
FOXFIRE 2	7.7	4.0	5.8
BOREAL	6.7	3.7	5.2
LSD VALUE	0.7	0.6	0.4
C.V. (%)	5.2	9.2	6.6

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

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

TABLE 23D.

WINTER COLOR RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
BAR FT 132	8.3	3.3	5.8
GLADIATOR	7.7	4.0	5.8
RESOLUTE	8.3	3.3	5.8
DLFPS-FL-3104	8.0	3.3	5.7
SPHD-20	8.0	3.3	5.7
SWORD II (NAI-HAQ1+2)	7.3	4.0	5.7
PPG-FL 128	7.0	4.0	5.5
TENACIOUS (NAI-HTB2)	6.7	4.0	5.3
BAR FT 135	7.3	3.3	5.3
DA5-RHF	7.3	3.3	5.3
PVF-PDB-2020	7.0	3.7	5.3
LSD VALUE	1.3	0.9	0.8
C.V. (%)	10.8	15.3	12.5

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

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

TABLE 23E.

WINTER COLOR RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
BAR FO 131	8.0	4.0	6.0
QUATRO	7.7	4.0	5.8
BLUE HORNET (PPG-FO-102)	7.0	3.7	5.3
LSD VALUE	1.1	1.1	0.8
C.V. (%)	8.8	17.1	11.7

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

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

TABLE 23F.

WINTER COLOR RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NC1	PA2	MEAN
SEABREEZE GT	7.3	4.0	5.7
BAR FRL 122	6.7	3.7	5.2
LSD VALUE	0.9	0.7	0.6
C.V. (%)	8.2	10.6	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 24A.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
PPG-FRR-134	5.7
BAR FT 132	5.0
KEVIN	5.0
PPG-FL 128	5.0
PPG-FRC 127	5.0
PPG-FRC-130	5.0
PPG-FRR 132	5.0
RESOLUTE	5.0
BRITTANY 2	4.7
DA5-RHF	4.7
DLFPS-FL-3104	4.7
GLADIATOR	4.7
PPG-FRR 127	4.7
PST-4SWTM	4.7
TENACIOUS (NAI-HTB2)	4.7
5Z2	4.3
BAR FRL 122	4.3
BAR FT 135	4.3
FOXFIRE 2	4.3
PVF-MVP-2020	4.3
QUATRO	4.3
5Z5	4.0
BLUE HORNET (PPG-FO-102)	4.0
BYE	4.0
COMPASS II	4.0
JAMESTOWN VII	4.0
NAI-CHU1	4.0
PVF-HSY+	4.0
SEABREEZE GT	4.0
SWORD II (NAI-HAQ1+2)	4.0
BOREAL	3.7
CARDINAL II	3.7
DLFPS-FRC-3105	3.7
PVF-PDB-2020	3.7
RAD-FC59	3.7
SPHD-20	3.7
STB1	3.7
DLF-FRR-3128	3.3
RAD-FR64	3.3
BAR FO 131	3.0
BAR FRC 123	3.0
BAR FRC 130	3.0
SHADOW IV (PST-4SHAD)	2.7
LSD VALUE	1.7
C.V. (%)	24.8

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

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

TABLE 24B.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
PPG-FRC 127	5.0
PPG-FRC-130	5.0
BRITTANY 2	4.7
PST-4SWTM	4.7
PVF-MVP-2020	4.3
COMPASS II	4.0
JAMESTOWN VII	4.0
NAI-CHU1	4.0
DLFPS-FRC-3105	3.7
RAD-FC59	3.7
BAR FRC 123	3.0
BAR FRC 130	3.0
SHADOW IV (PST-4SHAD)	2.7
LSD VALUE	1.8
C.V. (%)	28.8

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 24C.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
PPG-FRR-134	5.7
KEVIN	5.0
PPG-FRR 132	5.0
PPG-FRR 127	4.7
5Z2	4.3
FOXFIRE 2	4.3
5Z5	4.0
BYE	4.0
PVF-HSY+	4.0
BOREAL	3.7
CARDINAL II	3.7
STB1	3.7
DLF-FRR-3128	3.3
RAD-FR64	3.3
LSD VALUE	1.6
C.V. (%)	23.9

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 24D.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
BAR FT 132	5.0
PPG-FL 128	5.0
RESOLUTE	5.0
DA5-RHF	4.7
DLFPS-FL-3104	4.7
GLADIATOR	4.7
TENACIOUS (NAI-HTB2)	4.7
BAR FT 135	4.3
SWORD II (NAI-HAQ1+2)	4.0
PVF-PDB-2020	3.7
SPHD-20	3.7
LSD VALUE	1.4
C.V. (%)	19.4

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 24E.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
QUATRO	4.3
BLUE HORNET (PPG-FO-102)	4.0
BAR FO 131	3.0
LSD VALUE	1.1
C.V. (%)	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 24F.

DROUGHT TOLERANCE (DORMANCY) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	WA1
BAR FRL 122	4.3
SEABREEZE GT	4.0
LSD VALUE	2.6
C.V. (%)	39.2

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 25A.

LEAF SPOT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
PVF-PDB-2020	7.3
DLFPS-FL-3104	7.0
PPG-FRR-134	7.0
DA5-RHF	6.3
DLFPS-FRC-3105	6.3
PPG-FL 128	6.3
PPG-FRR 132	6.3
SPHD-20	6.3
STB1	6.3
GLADIATOR	6.0
PPG-FRC 127	6.0
SWORD II (NAI-HAQ1+2)	6.0
TENACIOUS (NAI-HTB2)	6.0
BYE	5.7
PPG-FRC-130	5.7
RESOLUTE	5.7
5Z2	5.3
5Z5	5.3
BRITTANY 2	5.3
COMPASS II	5.3
FOXFIRE 2	5.3
BAR FT 135	5.0
CARDINAL II	5.0
PVF-HSY+	5.0
QUATRO	5.0
DLF-FRR-3128	4.7
NAI-CHU1	4.7
PPG-FRR 127	4.7
RAD-FC59	4.7
BLUE HORNET (PPG-FO-102)	4.3
BAR FT 132	4.0
PVF-MVP-2020	4.0
SEABREEZE GT	4.0
BAR FO 131	3.7
BAR FRC 123	3.7
BAR FRC 130	3.7
PST-4SWTM	3.7
BAR FRL 122	3.3
RAD-FR64	3.3
SHADOW IV (PST-4SHAD)	3.3
JAMESTOWN VII	2.7
KEVIN	2.7
BOREAL	1.0
LSD VALUE	1.6
C.V. (%)	20.6

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.

LEAF SPOT RATINGS OF CHEWINGSF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
DLFPS-FRC-3105	6.3
PPG-FRC 127	6.0
PPG-FRC-130	5.7
BRITTANY 2	5.3
COMPASS II	5.3
NAI-CHU1	4.7
RAD-FC59	4.7
PVF-MVP-2020	4.0
BAR FRC 123	3.7
BAR FRC 130	3.7
PST-4SWTM	3.7
SHADOW IV (PST-4SHAD)	3.3
JAMESTOWN VII	2.7
LSD VALUE	1.5
C.V. (%)	20.9

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 25C.

LEAF SPOT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
PPG-FRR-134	7.0
PPG-FRR 132	6.3
STB1	6.3
BYE	5.7
5Z2	5.3
5Z5	5.3
FOXFIRE 2	5.3
CARDINAL II	5.0
PVF-HSY+	5.0
DLF-FRR-3128	4.7
PPG-FRR 127	4.7
RAD-FR64	3.3
KEVIN	2.7
BOREAL	1.0
LSD VALUE	1.6
C.V. (%)	20.2

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

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

TABLE 25D.

LEAF SPOT RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
PVF-PDB-2020	7.3
DLFPS-FL-3104	7.0
DA5-RHF	6.3
PPG-FL 128	6.3
SPHD-20	6.3
GLADIATOR	6.0
SWORD II (NAI-HAQ1+2)	6.0
TENACIOUS (NAI-HTB2)	6.0
RESOLUTE	5.7
BAR FT 135	5.0
BAR FT 132	4.0
LSD VALUE	1.7
C.V. (%)	17.9

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

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

TABLE 25E.

LEAF SPOT RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
QUATRO	5.0
BLUE HORNET (PPG-FO-102)	4.3
BAR FO 131	3.7
LSD VALUE	1.8
C.V. (%)	25.5

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 25F.

LEAF SPOT RATINGS OF SLENDER CREEPING FESCUE CULTIVARS 1/
2021 DATA

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

NAME	NJ1
SEABREEZE GT	4.0
BAR FRL 122	3.3
LSD VALUE	2.1
C.V. (%)	35.2

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.

WHITE GRUB DAMAGE RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
5Z2	9.0
5Z5	9.0
BAR FRC 130	9.0
BAR FT 132	9.0
BLUE HORNET (PPG-FO-102)	9.0
BYE	9.0
COMPASS II	9.0
DA5-RHF	9.0
DLFPS-FL-3104	9.0
GLADIATOR	9.0
JAMESTOWN VII	9.0
KEVIN	9.0
PPG-FL 128	9.0
PPG-FRC 127	9.0
PPG-FRR 127	9.0
PPG-FRR 132	9.0
PPG-FRR-134	9.0
PVF-PDB-2020	9.0
RAD-FC59	9.0
RAD-FR64	9.0
RESOLUTE	9.0
SEABREEZE GT	9.0
SPHD-20	9.0
STB1	9.0
SWORD II (NAI-HAQ1+2)	9.0
TENACIOUS (NAI-HTB2)	9.0
CARDINAL II	8.7
DLFPS-FRC-3105	8.7
NAI-CHU1	8.7
QUATRO	8.7
SHADOW IV (PST-4SHAD)	8.7
BAR FT 135	8.3
BOREAL	8.0
FOXFIRE 2	8.0
PPG-FRC-130	8.0
PVF-MVP-2020	8.0
PST-4SWTM	7.7
PVF-HSY+	7.7
BAR FO 131	7.3
DLF-FRR-3128	7.3
BAR FRC 123	6.0
BAR FRL 122	6.0
BRITTANY 2	3.7
LSD VALUE	1.7
C.V. (%)	12.8

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

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

TABLE 26B.

WHITE GRUB DAMAGE RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
BAR FRC 130	9.0
COMPASS II	9.0
JAMESTOWN VII	9.0
PPG-FRC 127	9.0
RAD-FC59	9.0
DLFPS-FRC-3105	8.7
NAI-CHU1	8.7
SHADOW IV (PST-4SHAD)	8.7
PPG-FRC-130	8.0
PVF-MVP-2020	8.0
PST-4SWTM	7.7
BAR FRC 123	6.0
BRITTANY 2	3.7
LSD VALUE	2.0
C.V. (%)	15.3

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 26C.

WHITE GRUB DAMAGE RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
5Z2	9.0
5Z5	9.0
BYE	9.0
KEVIN	9.0
PPG-FRR 127	9.0
PPG-FRR 132	9.0
PPG-FRR-134	9.0
RAD-FR64	9.0
STB1	9.0
CARDINAL II	8.7
BOREAL	8.0
FOXFIRE 2	8.0
PVF-HSY+	7.7
DLF-FRR-3128	7.3
LSD VALUE	1.8
C.V. (%)	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 26D.

WHITE GRUB DAMAGE RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
BAR FT 132	9.0
DA5-RHF	9.0
DLFPS-FL-3104	9.0
GLADIATOR	9.0
PPG-FL 128	9.0
PVF-PDB-2020	9.0
RESOLUTE	9.0
SPHD-20	9.0
SWORD II (NAI-HAQ1+2)	9.0
TENACIOUS (NAI-HTB2)	9.0
BAR FT 135	8.3
LSD VALUE	0.6
C.V. (%)	3.9

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

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

TABLE 26E.

WHITE GRUB DAMAGE RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
BLUE HORNET (PPG-FO-102)	9.0
QUATRO	8.7
BAR FO 131	7.3
LSD VALUE	1.5
C.V. (%)	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 26F.

WHITE GRUB DAMAGE RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

WHITE GRUB DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	VA1
SEABREEZE GT	9.0
BAR FRL 122	6.0
LSD VALUE	3.4
C.V. (%)	28.3

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 27A.

FALL COLOR (SEPTEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BOREAL	6.7
BAR FO 131	6.0
BAR FT 132	6.0
CARDINAL II	6.0
JAMESTOWN VII	6.0
DLF-FRR-3128	5.7
DLFPS-FL-3104	5.7
BAR FT 135	5.3
BRITTANY 2	5.3
KEVIN	5.3
PPG-FL 128	5.3
PPG-FRR 127	5.3
QUATRO	5.3
SHADOW IV (PST-4SHAD)	5.3
SPHD-20	5.3
SWORD II (NAI-HAQ1+2)	5.3
BAR FRC 130	5.0
DA5-RHF	5.0
FOXFIRE 2	5.0
PPG-FRR 132	5.0
PPG-FRR-134	5.0
RAD-FC59	5.0
RESOLUTE	5.0
STB1	5.0
5Z2	4.7
BAR FRC 123	4.7
DLFPS-FRC-3105	4.7
GLADIATOR	4.7
PPG-FRC-130	4.7
PVF-HSY+	4.7
PVF-PDB-2020	4.7
SEABREEZE GT	4.7
TENACIOUS (NAI-HTB2)	4.7
5Z5	4.3
BLUE HORNET (PPG-FO-102)	4.3
BYE	4.3
COMPASS II	4.3
PST-4SWTM	4.3
PVF-MVP-2020	4.3
RAD-FR64	4.3
BAR FRL 122	4.0
NAI-CHU1	4.0
PPG-FRC 127	3.7
LSD VALUE	1.8
C.V. (%)	22.4

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 27B.

FALL COLOR (SEPTEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
JAMESTOWN VII	6.0
BRITTANY 2	5.3
SHADOW IV (PST-4SHAD)	5.3
BAR FRC 130	5.0
RAD-FC59	5.0
BAR FRC 123	4.7
DLFPS-FRC-3105	4.7
PPG-FRC-130	4.7
COMPASS II	4.3
PST-4SWTM	4.3
PVF-MVP-2020	4.3
NAI-CHU1	4.0
PPG-FRC 127	3.7
LSD VALUE	1.7
C.V. (%)	22.8

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 27C.

FALL COLOR (SEPTEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BOREAL	6.7
CARDINAL II	6.0
DLF-FRR-3128	5.7
KEVIN	5.3
PPG-FRR 127	5.3
FOXFIRE 2	5.0
PPG-FRR 132	5.0
PPG-FRR-134	5.0
STB1	5.0
5Z2	4.7
PVF-HSY+	4.7
5Z5	4.3
BYE	4.3
RAD-FR64	4.3
LSD VALUE	1.8
C.V. (%)	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 27D.

FALL COLOR (SEPTEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FT 132	6.0
DLFPS-FL-3104	5.7
BAR FT 135	5.3
PPG-FL 128	5.3
SPHD-20	5.3
SWORD II (NAI-HAQ1+2)	5.3
DA5-RHF	5.0
RESOLUTE	5.0
GLADIATOR	4.7
PVF-PDB-2020	4.7
TENACIOUS (NAI-HTB2)	4.7
LSD VALUE	1.4
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 27E.

FALL COLOR (SEPTEMBER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FO 131	6.0
QUATRO	5.3
BLUE HORNET (PPG-FO-102)	4.3
LSD VALUE	2.2
C.V. (%)	26.3

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 27F.

FALL COLOR (SEPTEMBER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
SEABREEZE GT	4.7
BAR FRL 122	4.0
LSD VALUE	3.1
C.V. (%)	44.2

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 28A.

FALL COLOR (OCTOBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FT 132	7.7
BAR FO 131	7.3
CARDINAL II	7.3
RAD-FC59	7.3
JAMESTOWN VII	7.0
PST-4SWTM	7.0
PVF-MVP-2020	7.0
BAR FRC 130	6.7
DLF-FRR-3128	6.7
DLFPS-FL-3104	6.7
DLFPS-FRC-3105	6.7
NAI-CHU1	6.7
PPG-FL 128	6.7
PPG-FRC-130	6.7
QUATRO	6.7
SHADOW IV (PST-4SHAD)	6.7
SPHD-20	6.7
SWORD II (NAI-HAQ1+2)	6.7
5Z2	6.3
5Z5	6.3
BAR FT 135	6.3
BRITANY 2	6.3
COMPASS II	6.3
KEVIN	6.3
RESOLUTE	6.3
STB1	6.3
BAR FRC 123	6.0
DA5-RHF	6.0
FOXFIRE 2	6.0
GLADIATOR	6.0
PPG-FRR 132	6.0
TENACIOUS (NAI-HTB2)	6.0
BOREAL	5.7
PPG-FRC 127	5.7
PPG-FRR 127	5.7
PPG-FRR-134	5.7
PVF-HSY+	5.7
PVF-PDB-2020	5.7
RAD-FR64	5.7
BLUE HORNET (PPG-FO-102)	5.3
BYE	5.3
BAR FRL 122	5.0
SEABREEZE GT	4.7
LSD VALUE	1.9
C.V. (%)	18.9

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

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

TABLE 28B.

FALL COLOR (OCTOBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
RAD-FC59	7.3
JAMESTOWN VII	7.0
PST-4SWIM	7.0
PVF-MVP-2020	7.0
BAR FRC 130	6.7
DLFPS-FRC-3105	6.7
NAI-CHU1	6.7
PPG-FRC-130	6.7
SHADOW IV (PST-4SHAD)	6.7
BRITTANY 2	6.3
COMPASS II	6.3
BAR FRC 123	6.0
PPG-FRC 127	5.7
LSD VALUE	1.7
C.V. (%)	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 28C.

FALL COLOR (OCTOBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
CARDINAL II	7.3
DLF-FRR-3128	6.7
5Z2	6.3
5Z5	6.3
KEVIN	6.3
STB1	6.3
FOXFIRE 2	6.0
PPG-FRR 132	6.0
BOREAL	5.7
PPG-FRR 127	5.7
PPG-FRR-134	5.7
PVF-HSY+	5.7
RAD-FR64	5.7
BYE	5.3
LSD VALUE	1.9
C.V. (%)	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 28D.

FALL COLOR (OCTOBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FT 132	7.7
DLFPS-FL-3104	6.7
PPG-FL 128	6.7
SPHD-20	6.7
SWORD II (NAI-HAQ1+2)	6.7
BAR FT 135	6.3
RESOLUTE	6.3
DA5-RHF	6.0
GLADIATOR	6.0
TENACIOUS (NAI-HTB2)	6.0
PVF-PDB-2020	5.7
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 28E.

FALL COLOR (OCTOBER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FO 131	7.3
QUATRO	6.7
BLUE HORNET (PPG-FO-102)	5.3
LSD VALUE	1.9
C.V. (%)	17.9

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

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

TABLE 28F.

FALL COLOR (OCTOBER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FRL 122	5.0
SEABREEZE GT	4.7
LSD VALUE	3.8
C.V. (%)	49.3

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 29A.

FALL COLOR (NOVEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
CARDINAL II	7.3
JAMESTOWN VII	7.3
BAR FT 132	7.0
RAD-FC59	7.0
SPHD-20	7.0
BRITTANY 2	6.7
DLFPS-FL-3104	6.7
BAR FO 131	6.3
FOXFIRE 2	6.3
GLADIATOR	6.3
PPG-FRC-130	6.3
PPG-FRR 127	6.3
PPG-FRR-134	6.3
PVF-PDB-2020	6.3
RESOLUTE	6.3
STB1	6.3
SWORD II (NAI-HAQ1+2)	6.3
5Z2	6.0
DA5-RHF	6.0
DLF-FRR-3128	6.0
NAI-CHU1	6.0
PPG-FL 128	6.0
PPG-FRR 132	6.0
PVF-HSY+	6.0
QUATRO	6.0
TENACIOUS (NAI-HTB2)	6.0
5Z5	5.7
BAR FRC 130	5.7
BAR FT 135	5.7
BOREAL	5.7
DLFPS-FRC-3105	5.7
KEVIN	5.7
PST-4SWTM	5.7
SHADOW IV (PST-4SHAD)	5.7
BLUE HORNET (PPG-FO-102)	5.3
COMPASS II	5.3
PVF-MVP-2020	5.3
BYE	5.0
PPG-FRC 127	5.0
SEABREEZE GT	5.0
RAD-FR64	4.7
BAR FRL 122	4.3
BAR FRC 123	4.0
LSD VALUE	1.8
C.V. (%)	18.8

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

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

TABLE 29B.

FALL COLOR (NOVEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
JAMESTOWN VII	7.3
RAD-FC59	7.0
BRITTANY 2	6.7
PPG-FRC-130	6.3
NAI-CHU1	6.0
BAR FRC 130	5.7
DLFPS-FRC-3105	5.7
PST-4SWTM	5.7
SHADOW IV (PST-4SHAD)	5.7
COMPASS II	5.3
PVF-MVP-2020	5.3
PPG-FRC 127	5.0
BAR FRC 123	4.0
LSD VALUE	1.7
C.V. (%)	18.5

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 29C.

FALL COLOR (NOVEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
CARDINAL II	7.3
FOXFIRE 2	6.3
PPG-FRR 127	6.3
PPG-FRR-134	6.3
STB1	6.3
5Z2	6.0
DLF-FRR-3128	6.0
PPG-FRR 132	6.0
PVF-HSY+	6.0
5Z5	5.7
BOREAL	5.7
KEVIN	5.7
BYE	5.0
RAD-FR64	4.7
LSD VALUE	1.8
C.V. (%)	18.5

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 29D.

FALL COLOR (NOVEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FT 132	7.0
SPHD-20	7.0
DLFPS-FL-3104	6.7
GLADIATOR	6.3
PVF-PDB-2020	6.3
RESOLUTE	6.3
SWORD II (NAI-HAQ1+2)	6.3
DA5-RHF	6.0
PPG-FL 128	6.0
TENACIOUS (NAI-HTB2)	6.0
BAR FT 135	5.7
LSD VALUE	1.2
C.V. (%)	11.7

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

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

TABLE 29E.

FALL COLOR (NOVEMBER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
BAR FO 131	6.3
QUATRO	6.0
BLUE HORNET (PPG-FO-102)	5.3
LSD VALUE	1.8
C.V. (%)	18.8

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

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

TABLE 29F.

FALL COLOR (NOVEMBER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IA1
SEABREEZE GT	5.0
BAR FRL 122	4.3
LSD VALUE	4.0
C.V. (%)	53.2

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 30A.

POA ANNUA RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
BOREAL	8.0
BAR FRC 123	7.3
BRITANY 2	7.3
BAR FRC 130	7.0
SEABREEZE GT	7.0
SHADOW IV (PST-4SHAD)	7.0
5Z2	6.7
COMPASS II	6.7
JAMESTOWN VII	6.7
BAR FRL 122	6.3
BYE	6.3
KEVIN	6.3
PPG-FRR-134	6.3
PVF-HSY+	6.3
PVF-MVP-2020	6.3
STB1	6.3
5Z5	6.0
DLF-FRR-3128	6.0
DLFPS-FRC-3105	6.0
PPG-FRC-130	6.0
SWORD II (NAI-HAQ1+2)	6.0
BAR FT 135	5.7
BLUE HORNET (PPG-FO-102)	5.7
DLFPS-FL-3104	5.7
GLADIATOR	5.7
NAI-CHU1	5.7
PPG-FRR 127	5.7
PPG-FRR 132	5.7
PST-4SWTM	5.7
PVF-PDB-2020	5.7
BAR FT 132	5.3
PPG-FL 128	5.3
PPG-FRC 127	5.3
QUATRO	5.3
BAR FO 131	5.0
CARDINAL II	5.0
RAD-FC59	5.0
RAD-FR64	5.0
DA5-RHF	4.7
RESOLUTE	4.7
SPHD-20	4.7
TENACIOUS (NAI-HTB2)	4.7
FOXFIRE 2	4.3
LSD VALUE	1.1
C.V. (%)	11.6

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

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

TABLE 30B.

POA ANNUA RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
BAR FRC 123	7.3
BRITTANY 2	7.3
BAR FRC 130	7.0
SHADOW IV (PST-4SHAD)	7.0
COMPASS II	6.7
JAMESTOWN VII	6.7
PVF-MVP-2020	6.3
DLFES-FRC-3105	6.0
PPG-FRC-130	6.0
NAI-CHU1	5.7
PST-4SWTM	5.7
PPG-FRC 127	5.3
RAD-FC59	5.0
LSD VALUE	1.2
C.V. (%)	12.2

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

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

TABLE 30C.

POA ANNUA RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
BOREAL	8.0
5Z2	6.7
BYE	6.3
KEVIN	6.3
PPG-FRR-134	6.3
PVF-HSY+	6.3
STB1	6.3
5Z5	6.0
DLF-FRR-3128	6.0
PPG-FRR 127	5.7
PPG-FRR 132	5.7
CARDINAL II	5.0
RAD-FR64	5.0
FOXFIRE 2	4.3
LSD VALUE	1.1
C.V. (%)	11.8

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 30D.

POA ANNUA RATINGS OF HARD FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
SWORD II (NAI-HAQ1+2)	6.0
BAR FT 135	5.7
DLFPS-FL-3104	5.7
GLADIATOR	5.7
PVF-PDB-2020	5.7
BAR FT 132	5.3
PPG-FL 128	5.3
DA5-RHF	4.7
RESOLUTE	4.7
SPHD-20	4.7
TENACIOUS (NAI-HTB2)	4.7
LSD VALUE	1.0
C.V. (%)	11.9

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

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

TABLE 30E.

POA ANNUA RATINGS OF SHEEP FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
BLUE HORNET (PPG-FO-102)	5.7
QUATRO	5.3
BAR FO 131	5.0
LSD VALUE	0.8
C.V. (%)	8.8

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

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

TABLE 30F.

POA ANNUA RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1
SEABREEZE GT	7.0
BAR FRL 122	6.3
LSD VALUE	0.7
C.V. (%)	6.1

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

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

TABLE 31A.

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
PPG-FRC 127	71.7	45.0	99.0	71.9
STB1	76.7	40.0	99.0	71.9
BRITTANY 2	66.7	48.3	99.0	71.3
DLF-FRR-3128	63.3	48.3	99.0	70.2
PVF-MVP-2020	70.0	41.7	99.0	70.2
PPG-FRC-130	66.7	41.7	99.0	69.1
NAI-CHU1	70.0	35.0	99.0	68.0
SHADOW IV (PST-4SHAD)	56.7	46.7	99.0	67.4
DLFPS-FRC-3105	56.7	45.0	99.0	66.9
SEABREEZE GT	63.3	43.3	93.0	66.6
BAR FRL 122	61.7	36.7	99.0	65.8
PPG-FRR 127	46.7	51.7	99.0	65.8
PST-4SWTM	56.7	41.7	99.0	65.8
RAD-FC59	70.0	26.7	97.7	64.8
BAR FRC 130	56.7	38.3	99.0	64.7
BYE	56.7	38.3	99.0	64.7
PPG-FRR 132	50.0	45.0	99.0	64.7
KEVIN	56.7	38.3	97.7	64.2
5Z2	53.3	38.3	99.0	63.6
PVF-PDB-2020	60.0	31.7	99.0	63.6
PVF-HSY+	56.7	35.0	99.0	63.6
5Z5	53.3	36.7	97.7	62.6
BOREAL	50.0	43.3	94.3	62.6
BAR FRC 123	60.0	28.3	99.0	62.4
RAD-FR64	53.3	31.7	99.0	61.3
BAR FO 131	56.7	25.0	99.0	60.2
RESOLUTE	60.0	21.7	96.3	59.3
CARDINAL II	50.0	28.3	99.0	59.1
PPG-FRR-134	46.7	31.7	99.0	59.1
PPG-FL 128	53.3	26.7	96.0	58.7
DLFPS-FL-3104	53.3	23.3	99.0	58.6
JAMESTOWN VII	46.7	30.0	99.0	58.6
DA5-RHF	66.7	18.3	89.7	58.2
BAR FT 135	46.7	31.7	96.0	58.1
SPHD-20	56.7	20.0	96.0	57.6
COMPASS II	46.7	28.3	96.0	57.0
BLUE HORNET (PPG-FO-102)	45.0	25.0	99.0	56.3
QUATRO	70.0	5.3	93.0	56.1
TENACIOUS (NAI-HTB2)	56.7	18.3	92.7	55.9
BAR FT 132	50.0	21.7	89.7	53.8
FOXFIRE 2	56.7	20.0	83.0	53.2
GLADIATOR	46.7	7.7	91.3	48.6
SWORD II (NAI-HAQ1+2)	43.3	5.3	96.0	48.2
LSD VALUE	13.6	18.6	7.4	8.1
C.V. (%)	14.8	35.9	4.8	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 31B.

PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
PPG-FRC 127	71.7	45.0	99.0	71.9
BRITTANY 2	66.7	48.3	99.0	71.3
PVF-MVP-2020	70.0	41.7	99.0	70.2
PPG-FRC-130	66.7	41.7	99.0	69.1
NAI-CHU1	70.0	35.0	99.0	68.0
SHADOW IV (PST-4SHAD)	56.7	46.7	99.0	67.4
DLFPS-FRC-3105	56.7	45.0	99.0	66.9
PST-4SWTM	56.7	41.7	99.0	65.8
RAD-FC59	70.0	26.7	97.7	64.8
BAR FRC 130	56.7	38.3	99.0	64.7
BAR FRC 123	60.0	28.3	99.0	62.4
JAMESTOWN VII	46.7	30.0	99.0	58.6
COMPASS II	46.7	28.3	96.0	57.0
LSD VALUE	14.5	23.1	2.5	9.1
C.V. (%)	14.7	37.5	1.6	14.9

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

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

TABLE 31C.

PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
STB1	76.7	40.0	99.0	71.9
DLF-FRR-3128	63.3	48.3	99.0	70.2
PPG-FRR 127	46.7	51.7	99.0	65.8
BYE	56.7	38.3	99.0	64.7
PPG-FRR 132	50.0	45.0	99.0	64.7
KEVIN	56.7	38.3	97.7	64.2
5Z2	53.3	38.3	99.0	63.6
PVF-HSY+	56.7	35.0	99.0	63.6
5Z5	53.3	36.7	97.7	62.6
BOREAL	50.0	43.3	94.3	62.6
RAD-FR64	53.3	31.7	99.0	61.3
CARDINAL II	50.0	28.3	99.0	59.1
PPG-FRR-134	46.7	31.7	99.0	59.1
FOXFIRE 2	56.7	20.0	83.0	53.2
LSD VALUE	11.1	20.0	7.4	8.0
C.V. (%)	12.5	33.0	4.7	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 31D.

PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
PVF-PDB-2020	60.0	31.7	99.0	63.6
RESOLUTE	60.0	21.7	96.3	59.3
PPG-FL 128	53.3	26.7	96.0	58.7
DLFPS-FL-3104	53.3	23.3	99.0	58.6
DA5-RHF	66.7	18.3	89.7	58.2
BAR FT 135	46.7	31.7	96.0	58.1
SPHD-20	56.7	20.0	96.0	57.6
TENACIOUS (NAI-HTB2)	56.7	18.3	92.7	55.9
BAR FT 132	50.0	21.7	89.7	53.8
GLADIATOR	46.7	7.7	91.3	48.6
SWORD II (NAI-HAQ1+2)	43.3	5.3	96.0	48.2
LSD VALUE	15.1	9.4	11.0	7.0
C.V. (%)	17.4	28.4	7.2	13.3

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

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

TABLE 31E.

PERCENT ESTABLISHMENT RATINGS OF SHEEP FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
BAR FO 131	56.7	25.0	99.0	60.2
BLUE HORNET (PPG-FO-102)	45.0	25.0	99.0	56.3
QUATRO	70.0	5.3	93.0	56.1
LSD VALUE	13.4	12.8	4.8	6.4
C.V. (%)	14.6	43.3	3.1	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 31F.

PERCENT ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	MA1	NJ1	VA1	MEAN
SEABREEZE GT	63.3	43.3	93.0	66.6
BAR FRL 122	61.7	36.7	99.0	65.8
LSD VALUE	15.7	21.0	8.2	9.2
C.V. (%)	15.7	32.7	5.3	14.9

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

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

TABLE 32A.

MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
	NC1	PA2	WI1	MEAN
SEABREEZE GT	4.3	6.7	7.0	6.0
BAR FRC 130	4.3	6.0	7.3	5.9
KEVIN	4.7	5.7	7.0	5.8
BOREAL	4.3	5.7	7.3	5.8
COMPASS II	4.3	6.0	6.7	5.7
NAI-CHU1	4.7	5.3	7.0	5.7
PPG-FRC-130	4.3	6.7	6.0	5.7
SHADOW IV (PST-4SHAD)	4.7	5.7	6.3	5.6
5Z5	4.3	6.0	6.3	5.6
JAMESTOWN VII	4.0	6.3	6.3	5.6
BAR FRC 123	3.7	5.7	6.7	5.3
BAR FRL 122	3.3	6.0	6.7	5.3
PPG-FRR 127	4.7	4.7	6.7	5.3
PST-4SWTM	4.0	6.0	6.0	5.3
5Z2	4.3	5.3	6.0	5.2
GLADIATOR	4.0	5.7	6.0	5.2
QUATRO	3.7	6.0	6.0	5.2
STB1	4.7	5.0	6.0	5.2
PVF-HSY+	4.7	5.0	5.7	5.1
PVF-MVP-2020	3.7	6.7	5.0	5.1
RAD-FC59	3.3	6.0	6.0	5.1
BYE	4.0	5.3	6.0	5.1
PPG-FRR-134	5.0	5.0	5.3	5.1
RAD-FR64	3.7	5.3	6.3	5.1
BLUE HORNET (PPG-FO-102)	3.3	6.0	5.7	5.0
CARDINAL II	4.3	5.3	5.3	5.0
DLF-FRR-3128	4.3	5.3	5.3	5.0
PPG-FRC 127	4.0	5.3	5.7	5.0
BRITTANY 2	3.7	4.7	6.3	4.9
DLFPS-FL-3104	4.0	5.7	5.0	4.9
DLFPS-FRC-3105	4.3	5.0	5.3	4.9
BAR FO 131	3.3	5.0	5.7	4.7
BAR FT 132	3.3	5.0	5.7	4.7
PPG-FRR 132	3.7	5.3	5.0	4.7
PVF-PDB-2020	3.7	5.3	5.0	4.7
PPG-FL 128	3.3	5.0	5.3	4.6
SWORD II (NAI-HAQ1+2)	3.3	5.3	5.0	4.6
BAR FT 135	3.0	5.7	4.7	4.4
TENACIOUS (NAI-HTB2)	3.3	5.3	4.0	4.2
DA5-RHF	3.3	4.3	4.7	4.1
SPHD-20	3.0	5.0	4.3	4.1
FOXFIRE 2	3.0	4.3	4.3	3.9
RESOLUTE	3.0	5.0	3.7	3.9
LSD VALUE	1.1	1.2	1.5	0.7
C.V. (%)	17.3	14.1	16.5	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 32B.

MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NC1	PA2	WI1	MEAN
BAR FRC 130	4.3	6.0	7.3	5.9
COMPASS II	4.3	6.0	6.7	5.7
NAI-CHU1	4.7	5.3	7.0	5.7
PPG-FRC-130	4.3	6.7	6.0	5.7
SHADOW IV (PST-4SHAD)	4.7	5.7	6.3	5.6
JAMESTOWN VII	4.0	6.3	6.3	5.6
BAR FRC 123	3.7	5.7	6.7	5.3
PST-4SWTM	4.0	6.0	6.0	5.3
PVF-MVP-2020	3.7	6.7	5.0	5.1
RAD-FC59	3.3	6.0	6.0	5.1
PPG-FRC 127	4.0	5.3	5.7	5.0
BRITTANY 2	3.7	4.7	6.3	4.9
DLFPS-FRC-3105	4.3	5.0	5.3	4.9
LSD VALUE	1.1	1.2	1.6	0.8
C.V. (%)	17.1	13.3	15.9	15.4

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 32C. MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NC1	PA2	WI1	MEAN
KEVIN	4.7	5.7	7.0	5.8
BOREAL	4.3	5.7	7.3	5.8
5Z5	4.3	6.0	6.3	5.6
PPG-FRR 127	4.7	4.7	6.7	5.3
5Z2	4.3	5.3	6.0	5.2
STB1	4.7	5.0	6.0	5.2
PVF-HSY+	4.7	5.0	5.7	5.1
BYE	4.0	5.3	6.0	5.1
PPG-FRR-134	5.0	5.0	5.3	5.1
RAD-FR64	3.7	5.3	6.3	5.1
CARDINAL II	4.3	5.3	5.3	5.0
DLF-FRR-3128	4.3	5.3	5.3	5.0
PPG-FRR 132	3.7	5.3	5.0	4.7
FOXFIRE 2	3.0	4.3	4.3	3.9
LSD VALUE	1.0	1.4	1.2	0.7
C.V. (%)	14.9	17.2	12.8	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 32D.

MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF HARD FESCUE CULTIVARS 1/
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NC1	PA2	WI1	MEAN
GLADIATOR	4.0	5.7	6.0	5.2
DLFPS-FL-3104	4.0	5.7	5.0	4.9
BAR FT 132	3.3	5.0	5.7	4.7
PVF-PDB-2020	3.7	5.3	5.0	4.7
PPG-FL 128	3.3	5.0	5.3	4.6
SWORD II (NAI-HAQ1+2)	3.3	5.3	5.0	4.6
BAR FT 135	3.0	5.7	4.7	4.4
TENACIOUS (NAI-HTB2)	3.3	5.3	4.0	4.2
DA5-RHF	3.3	4.3	4.7	4.1
SPHD-20	3.0	5.0	4.3	4.1
RESOLUTE	3.0	5.0	3.7	3.9
LSD VALUE	1.2	1.0	1.9	0.8
C.V. (%)	21.8	12.0	24.1	19.5

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 32E. MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF SHEEP FESCUE CULTIVARS 1/
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NC1	PA2	WI1	MEAN
QUATRO	3.7	6.0	6.0	5.2
BLUE HORNET (PPG-FO-102)	3.3	6.0	5.7	5.0
BAR FO 131	3.3	5.0	5.7	4.7
LSD VALUE	0.9	0.9	1.5	0.7
C.V. (%)	16.8	10.2	16.3	14.5

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

TABLE 32F. MEAN TURFGRASS QUALITY (NOVEMBER) RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NC1	PA2	WI1	MEAN
SEABREEZE GT	4.3	6.7	7.0	6.0
BAR FRL 122	3.3	6.0	6.7	5.3
LSD VALUE	0.9	1.3	0.7	0.6
C.V. (%)	15.1	12.9	6.0	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 33A.

PERCENT PYTHIUM BLIGHT RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
BAR FRC 123	66.7
BAR FRC 130	40.0
PVF-MVP-2020	40.0
RAD-FC59	36.7
BOREAL	30.0
SEABREEZE GT	28.3
NAI-CHU1	26.7
PPG-FRC-130	25.0
BAR FRL 122	23.3
SHADOW IV (PST-4SHAD)	23.3
GLADIATOR	20.7
BAR FT 132	20.3
DLF-FRR-3128	17.0
COMPASS II	15.7
DLFPS-FRC-3105	13.7
JAMESTOWN VII	13.7
RESOLUTE	13.7
BLUE HORNET (PPG-FO-102)	13.3
BRITTANY 2	12.0
QUATRO	11.7
SPHD-20	11.7
KEVIN	10.7
SWORD II (NAI-HAQ1+2)	10.0
BAR FT 135	9.0
CARDINAL II	9.0
PST-4SWTM	9.0
5Z2	8.3
PPG-FRR 127	7.7
DLFPS-FL-3104	7.3
PPG-FRC 127	7.3
PVF-PDB-2020	7.3
BYE	7.0
PPG-FRR-134	7.0
PVF-HSY+	6.7
RAD-FR64	6.0
BAR FO 131	5.3
STB1	4.7
DA5-RHF	4.0
PPG-FRR 132	3.7
5Z5	3.0
FOXFIRE 2	2.3
PPG-FL 128	1.0
TENACIOUS (NAI-HTB2)	1.0
LSD VALUE	19.9
C.V. (%)	83.2

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 33B.

PERCENT PYTHIUM BLIGHT RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
BAR FRC 123	66.7
BAR FRC 130	40.0
PVF-MVP-2020	40.0
RAD-FC59	36.7
NAI-CHU1	26.7
PPG-FRC-130	25.0
SHADOW IV (PST-4SHAD)	23.3
COMPASS II	15.7
DLFPS-FRC-3105	13.7
JAMESTOWN VII	13.7
BRITTANY 2	12.0
PST-4SWTM	9.0
PPG-FRC 127	7.3
LSD VALUE	25.3
C.V. (%)	61.9

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 33C.

PERCENT PYTHIUM BLIGHT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
BOREAL	30.0
DLF-FRR-3128	17.0
KEVIN	10.7
CARDINAL II	9.0
5Z2	8.3
PPG-FRR 127	7.7
BYE	7.0
PPG-FRR-134	7.0
PVF-HSY+	6.7
RAD-FR64	6.0
STB1	4.7
PPG-FRR 132	3.7
5Z5	3.0
FOXFIRE 2	2.3
LSD VALUE	14.6
C.V. (%)	103.0

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 33D.

PERCENT PYTHIUM BLIGHT RATINGS OF HARD FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
GLADIATOR	20.7
BAR FT 132	20.3
RESOLUTE	13.7
SPHD-20	11.7
SWORD II (NAI-HAQ1+2)	10.0
BAR FT 135	9.0
DLFPS-FL-3104	7.3
PVF-PDB-2020	7.3
DA5-RHF	4.0
PPG-FL 128	1.0
TENACIOUS (NAI-HTB2)	1.0
LSD VALUE	19.1
C.V. (%)	123.5

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 33E.

PERCENT PYTHIUM BLIGHT RATINGS OF SHEEP FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
BLUE HORNET (PPG-FO-102)	13.3
QUATRO	11.7
BAR FO 131	5.3
LSD VALUE	7.3
C.V. (%)	45.0

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 33F.

PERCENT PYTHIUM BLIGHT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	PA2
SEABREEZE GT	28.3
BAR FRL 122	23.3
LSD VALUE	28.8
C.V. (%)	69.3

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 34A.

PERCENT POA ANNUA RATINGS OF FINELEAF FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
RESOLUTE	83.3
SWORD II (NAI-HAQ1+2)	81.7
BAR FT 135	76.7
DA5-RHF	76.7
PVF-PDB-2020	76.7
BAR FO 131	75.0
QUATRO	73.3
GLADIATOR	70.0
SPHD-20	70.0
TENACIOUS (NAI-HTB2)	70.0
BAR FT 132	65.0
BLUE HORNET (PPG-FO-102)	60.0
DLFPS-FL-3104	55.0
RAD-FC59	53.3
PPG-FL 128	51.7
BRITTANY 2	50.0
BAR FRL 122	43.3
FOXFIRE 2	40.0
BAR FRC 123	38.3
RAD-FR64	38.3
PPG-FRR 127	36.7
PST-4SWTM	36.7
PPG-FRC 127	31.7
BOREAL	30.0
COMPASS II	30.0
JAMESTOWN VII	30.0
BAR FRC 130	28.3
PPG-FRR 132	28.3
DLFPS-FRC-3105	26.7
NAI-CHU1	26.7
PVF-MVP-2020	26.7
SHADOW IV (PST-4SHAD)	26.7
DLF-FRR-3128	25.0
PPG-FRR-134	25.0
KEVIN	23.3
PVF-HSY+	23.3
SEABREEZE GT	23.3
STB1	23.3
BYE	21.7
CARDINAL II	21.7
PPG-FRC-130	20.0
5Z2	18.3
5Z5	15.0
LSD VALUE	27.6
C.V. (%)	40.0

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

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

TABLE 34B.

PERCENT POA ANNUA RATINGS OF CHEWINGS FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
RAD-FC59	53.3
BRITTANY 2	50.0
BAR FRC 123	38.3
PST-4SWTM	36.7
PPG-FRC 127	31.7
COMPASS II	30.0
JAMESTOWN VII	30.0
BAR FRC 130	28.3
DLFPS-FRC-3105	26.7
NAI-CHU1	26.7
PVF-MVP-2020	26.7
SHADOW IV (PST-4SHAD)	26.7
PPG-FRC-130	20.0
LSD VALUE	25.6
C.V. (%)	48.7

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 34C.

PERCENT POA ANNUA RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
FOXFIRE 2	40.0
RAD-FR64	38.3
PPG-FRR 127	36.7
BOREAL	30.0
PPG-FRR 132	28.3
DLF-FRR-3128	25.0
PPG-FRR-134	25.0
KEVIN	23.3
PVF-HSY+	23.3
STB1	23.3
BYE	21.7
CARDINAL II	21.7
5Z2	18.3
5Z5	15.0
LSD VALUE	24.8
C.V. (%)	58.3

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 34D.

PERCENT POA ANNUA RATINGS OF HARD FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
RESOLUTE	83.3
SWORD II (NAI-HAQ1+2)	81.7
BAR FT 135	76.7
DA5-RHF	76.7
PVF-PDB-2020	76.7
GLADIATOR	70.0
SPHD-20	70.0
TENACIOUS (NAI-HTB2)	70.0
BAR FT 132	65.0
DLFPS-FL-3104	55.0
PPG-FL 128	51.7
LSD VALUE	33.9
C.V. (%)	29.8

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 34E.

PERCENT POA ANNUA RATINGS OF SHEEP FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
BAR FO 131	75.0
QUATRO	73.3
BLUE HORNET (PPG-FO-102)	60.0
LSD VALUE	26.8
C.V. (%)	24.0

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 34F.

PERCENT POA ANNUA RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS 1/
2020 DATA 2/

NAME	NC1
BAR FRL 122	43.3
SEABREEZE GT	23.3
LSD VALUE	21.8
C.V. (%)	40.6

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 35A.

PERCENT WEED RATINGS OF FINELEAF FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
BAR FT 135	60.0	21.7	28.3	36.7
DA5-RHF	53.3	20.0	30.0	34.4
QUATRO	51.7	23.3	26.7	33.9
RESOLUTE	53.3	20.0	27.7	33.7
SPHD-20	45.0	20.0	28.3	31.1
PVF-PDB-2020	41.7	21.7	26.7	30.0
BAR FT 132	40.0	18.3	28.3	28.9
SWORD II (NAI-HAQ1+2)	48.3	16.7	21.7	28.9
TENACIOUS (NAI-HTB2)	45.0	15.0	25.0	28.3
BLUE HORNET (PPG-FO-102)	40.0	15.0	20.0	25.0
DLFPS-FL-3104	28.3	15.0	24.3	22.6
GLADIATOR	30.0	16.7	20.0	22.2
FOXFIRE 2	28.3	15.0	21.7	21.7
BAR FO 131	28.3	11.7	20.0	20.0
PPG-FRR 132	13.3	21.7	23.3	19.4
RAD-FR64	16.7	16.7	25.0	19.4
COMPASS II	13.3	20.0	21.7	18.3
RAD-FC59	20.0	16.7	18.3	18.3
BAR FRC 130	15.0	21.7	16.7	17.8
PPG-FL 128	25.0	11.7	15.0	17.2
PST-4SWTM	18.3	13.3	20.0	17.2
BAR FRC 123	18.3	13.3	18.3	16.7
PVF-HSY+	11.7	18.3	20.0	16.7
BAR FRL 122	16.7	15.0	16.7	16.1
PPG-FRC 127	13.3	16.7	18.3	16.1
SEABREEZE GT	11.7	16.7	20.0	16.1
BYE	10.0	15.0	21.7	15.6
PPG-FRC-130	10.0	18.3	18.3	15.6
BOREAL	11.7	16.7	16.7	15.0
CARDINAL II	13.3	16.7	15.0	15.0
DLFPS-FRC-3105	10.0	16.7	18.3	15.0
PVF-MVP-2020	11.7	13.3	18.3	14.4
DLF-FRR-3128	11.7	15.0	16.0	14.2
PPG-FRR 127	13.3	15.0	13.7	14.0
BRITTANY 2	8.3	15.0	18.3	13.9
SHADOW IV (PST-4SHAD)	13.3	15.0	13.3	13.9
STB1	6.7	16.7	15.0	12.8
JAMESTOWN VII	8.3	11.7	15.0	11.7
KEVIN	10.0	13.3	11.7	11.7
NAI-CHU1	5.3	13.3	13.3	10.7
5Z2	5.0	11.7	15.0	10.6
PPG-FRR-134	8.3	10.0	13.3	10.6
5Z5	5.0	10.0	13.3	9.4
LSD VALUE	16.6	15.8	11.6	9.3
C.V. (%)	48.2	32.1	29.3	29.9

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 35B.

PERCENT WEED RATINGS OF CHEWINGS FESCUE CULTIVARS
 AT RALEIGH, NC 1/
 2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
COMPASS II	13.3	20.0	21.7	18.3
RAD-FC59	20.0	16.7	18.3	18.3
BAR FRC 130	15.0	21.7	16.7	17.8
PST-4SWTM	18.3	13.3	20.0	17.2
BAR FRC 123	18.3	13.3	18.3	16.7
PPG-FRC 127	13.3	16.7	18.3	16.1
PPG-FRC-130	10.0	18.3	18.3	15.6
DLFPS-FRC-3105	10.0	16.7	18.3	15.0
PVF-MVP-2020	11.7	13.3	18.3	14.4
BRITTANY 2	8.3	15.0	18.3	13.9
SHADOW IV (PST-4SHAD)	13.3	15.0	13.3	13.9
JAMESTOWN VII	8.3	11.7	15.0	11.7
NAI-CHU1	5.3	13.3	13.3	10.7
LSD VALUE	15.8	11.4	13.6	10.7
C.V. (%)	50.6	28.5	26.9	26.3

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 35C.

PERCENT WEED RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
FOXFIRE 2	28.3	15.0	21.7	21.7
PPG-FRR 132	13.3	21.7	23.3	19.4
RAD-FR64	16.7	16.7	25.0	19.4
PVF-HSY+	11.7	18.3	20.0	16.7
BYE	10.0	15.0	21.7	15.6
BOREAL	11.7	16.7	16.7	15.0
CARDINAL II	13.3	16.7	15.0	15.0
DLF-FRR-3128	11.7	15.0	16.0	14.2
PPG-FRR 127	13.3	15.0	13.7	14.0
STB1	6.7	16.7	15.0	12.8
KEVIN	10.0	13.3	11.7	11.7
5Z2	5.0	11.7	15.0	10.6
PPG-FRR-134	8.3	10.0	13.3	10.6
5Z5	5.0	10.0	13.3	9.4
LSD VALUE	17.9	6.1	10.1	6.0
C.V. (%)	65.8	20.9	28.3	22.6

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

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

TABLE 35D.

PERCENT WEED RATINGS OF HARD FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
BAR FT 135	60.0	21.7	28.3	36.7
DA5-RHF	53.3	20.0	30.0	34.4
RESOLUTE	53.3	20.0	27.7	33.7
SPHD-20	45.0	20.0	28.3	31.1
PVF-PDB-2020	41.7	21.7	26.7	30.0
BAR FT 132	40.0	18.3	28.3	28.9
SWORD II (NAI-HAQ1+2)	48.3	16.7	21.7	28.9
TENACIOUS (NAI-HTB2)	45.0	15.0	25.0	28.3
DLFPS-FL-3104	28.3	15.0	24.3	22.6
GLADIATOR	30.0	16.7	20.0	22.2
PPG-FL 128	25.0	11.7	15.0	17.2
LSD VALUE	41.0	23.7	19.8	24.1
C.V. (%)	39.3	44.6	30.5	33.2

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 35E.

PERCENT WEED RATINGS OF SHEEP FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
QUATRO	51.7	23.3	26.7	33.9
BLUE HORNET (PPG-FO-102)	40.0	15.0	20.0	25.0
BAR FO 131	28.3	11.7	20.0	20.0
LSD VALUE	26.8	10.6	14.0	15.5
C.V. (%)	28.9	27.4	27.0	25.4

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 35F.

PERCENT WEED RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA 2/

NAME	JUNE	NOV 9	NOV 23	MEAN
BAR FRL 122	16.7	15.0	16.7	16.1
SEABREEZE GT	11.7	16.7	20.0	16.1
LSD VALUE	26.8	10.6	14.0	15.5
C.V. (%)	66.0	12.9	11.1	19.4

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 36A.

SEEDHEAD RATINGS OF FINELEAF FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

NAME	SEEDHEAD RATINGS 1-9; 9=NONE 2/		MEAN
	APRIL	MAY	
BRITTANY 2	9.0	8.0	8.5
DLF-FRR-3128	9.0	7.7	8.3
RAD-FR64	9.0	7.7	8.3
KEVIN	8.3	8.0	8.2
NAI-CHUI	9.0	7.3	8.2
PPG-FRR 127	9.0	7.3	8.2
PVF-HSY+	9.0	7.3	8.2
BAR FRC 123	9.0	7.0	8.0
DLFPS-FRC-3105	9.0	7.0	8.0
JAMESTOWN VII	8.7	7.3	8.0
QUATRO	9.0	7.0	8.0
RAD-FC59	9.0	7.0	8.0
5Z2	9.0	6.7	7.8
BAR FRC 130	9.0	6.7	7.8
PPG-FRC 127	9.0	6.7	7.8
PVF-MVP-2020	9.0	6.7	7.8
SEABREEZE GT	8.7	7.0	7.8
CARDINAL II	8.7	6.7	7.7
COMPASS II	8.7	6.7	7.7
PPG-FRC-130	9.0	6.3	7.7
BOREAL	8.3	6.7	7.5
PPG-FRR-134	9.0	6.0	7.5
BAR FRL 122	8.7	6.0	7.3
SHADOW IV (PST-4SHAD)	8.7	6.0	7.3
5Z5	8.7	5.7	7.2
BYE	8.3	6.0	7.2
PST-4SWTM	8.7	5.7	7.2
PPG-FRR 132	8.3	5.7	7.0
BAR FO 131	6.7	7.0	6.8
FOXFIRE 2	8.3	5.0	6.7
GLADIATOR	7.0	5.7	6.3
PPG-FL 128	6.0	6.3	6.2
STB1	7.7	4.7	6.2
BLUE HORNET (PPG-FO-102)	4.0	7.0	5.5
BAR FT 135	4.7	5.7	5.2
DA5-RHF	5.0	5.0	5.0
RESOLUTE	4.7	5.0	4.8
PVF-PDB-2020	4.3	4.7	4.5
DLFPS-FL-3104	4.3	4.3	4.3
SWORD II (NAI-HAQ1+2)	4.0	4.3	4.2
SPHD-20	4.3	3.3	3.8
TENACIOUS (NAI-HTB2)	3.0	4.7	3.8
BAR FT 132	3.0	3.3	3.2
LSD VALUE	1.6	2.7	1.5
C.V. (%)	14.3	21.9	13.9

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

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

TABLE 36B.

SEEDHEAD RATINGS OF CHEWINGS FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	MAY	MEAN
BRITTANY 2	9.0	8.0	8.5
NAI-CHU1	9.0	7.3	8.2
BAR FRC 123	9.0	7.0	8.0
DLFPS-FRC-3105	9.0	7.0	8.0
JAMESTOWN VII	8.7	7.3	8.0
RAD-FC59	9.0	7.0	8.0
BAR FRC 130	9.0	6.7	7.8
PPG-FRC 127	9.0	6.7	7.8
PVF-MVP-2020	9.0	6.7	7.8
COMPASS II	8.7	6.7	7.7
PPG-FRC-130	9.0	6.3	7.7
SHADOW IV (PST-4SHAD)	8.7	6.0	7.3
PST-4SWTM	8.7	5.7	7.2
LSD VALUE	1.0	3.8	2.0
C.V. (%)	3.7	18.8	8.9

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

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

TABLE 36C.

SEEDHEAD RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	MAY	MEAN
DLF-FRR-3128	9.0	7.7	8.3
RAD-FR64	9.0	7.7	8.3
KEVIN	8.3	8.0	8.2
PPG-FRR 127	9.0	7.3	8.2
PVF-HSY+	9.0	7.3	8.2
5Z2	9.0	6.7	7.8
CARDINAL II	8.7	6.7	7.7
BOREAL	8.3	6.7	7.5
PPG-FRR-134	9.0	6.0	7.5
5Z5	8.7	5.7	7.2
BYE	8.3	6.0	7.2
PPG-FRR 132	8.3	5.7	7.0
FOXFIRE 2	8.3	5.0	6.7
STB1	7.7	4.7	6.2
LSD VALUE	1.7	3.0	1.8
C.V. (%)	7.4	20.5	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 36D.

SEEDHEAD RATINGS OF HARD FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	MAY	MEAN
GLADIATOR	7.0	5.7	6.3
PPG-FL 128	6.0	6.3	6.2
BAR FT 135	4.7	5.7	5.2
DA5-RHF	5.0	5.0	5.0
RESOLUTE	4.7	5.0	4.8
PVF-PDB-2020	4.3	4.7	4.5
DLFPS-FL-3104	4.3	4.3	4.3
SWORD II (NAI-HAQ1+2)	4.0	4.3	4.2
SPHD-20	4.3	3.3	3.8
TENACIOUS (NAI-HTB2)	3.0	4.7	3.8
BAR FT 132	3.0	3.3	3.2
LSD VALUE	3.0	4.0	2.8
C.V. (%)	30.4	32.7	26.5

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 36E.

SEEDHEAD RATINGS OF SHEEP FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	MAY	MEAN
QUATRO	9.0	7.0	8.0
BAR FO 131	6.7	7.0	6.8
BLUE HORNET (PPG-FO-102)	4.0	7.0	5.5
LSD VALUE	6.0	3.3	3.4
C.V. (%)	39.7	20.2	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 36F.

SEEDHEAD RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT MANHATTAN, KS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	APRIL	MAY	MEAN
SEABREEZE GT	8.7	7.0	7.8
BAR FRL 122	8.7	6.0	7.3
LSD VALUE	6.0	3.3	3.4
C.V. (%)	8.2	10.9	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 37A.

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
AT RALEIGH, NC 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
PVF-HSY+	41.7	93.7	67.7
BAR FRC 130	40.0	88.0	64.0
NAI-CHU1	38.3	88.3	63.3
SHADOW IV (PST-4SHAD)	35.0	90.0	62.5
KEVIN	36.7	86.7	61.7
STB1	33.3	89.7	61.5
CARDINAL II	33.3	86.7	60.0
GLADIATOR	38.3	81.7	60.0
PPG-FRR 127	31.7	88.3	60.0
PPG-FRC 127	36.7	82.3	59.5
PPG-FRR-134	31.7	86.7	59.2
JAMESTOWN VII	36.7	80.0	58.3
SEABREEZE GT	31.0	85.0	58.0
BOREAL	30.0	85.0	57.5
BAR FRL 122	33.3	80.0	56.7
PPG-FRC-130	28.3	85.0	56.7
5Z2	31.7	78.3	55.0
5Z5	30.0	80.0	55.0
COMPASS II	28.3	81.7	55.0
DLF-FRR-3128	30.0	80.0	55.0
PST-4SWTM	30.0	80.0	55.0
PVF-PDB-2020	28.3	80.0	54.2
BYE	28.3	78.3	53.3
QUATRO	28.3	78.3	53.3
RESOLUTE	28.3	78.3	53.3
BAR FRC 123	26.7	76.7	51.7
BAR FT 132	30.0	73.3	51.7
DLFPS-FL-3104	28.3	75.0	51.7
DLFPS-FRC-3105	23.3	80.0	51.7
BRITTANY 2	26.7	75.0	50.8
PPG-FRR 132	22.7	78.3	50.5
BAR FT 135	26.7	73.3	50.0
PVF-MVP-2020	26.7	73.3	50.0
RAD-FC59	26.7	73.3	50.0
DA5-RHF	23.3	75.0	49.2
RAD-FR64	21.7	75.0	48.3
BLUE HORNET (PPG-FO-102)	23.3	71.7	47.5
SPHD-20	25.0	70.0	47.5
TENACIOUS (NAI-HTB2)	23.3	71.7	47.5
FOXFIRE 2	20.0	71.7	45.8
PPG-FL 128	21.7	70.0	45.8
SWORD II (NAI-HAQ1+2)	23.3	66.7	45.0
BAR FO 131	18.3	70.0	44.2
LSD VALUE	27.3	23.1	23.9
C.V. (%)	30.2	11.5	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 37B.

PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS
AT RALEIGH, NC 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
BAR FRC 130	40.0	88.0	64.0
NAI-CHU1	38.3	88.3	63.3
SHADOW IV (PST-4SHAD)	35.0	90.0	62.5
PPG-FRC 127	36.7	82.3	59.5
JAMESTOWN VII	36.7	80.0	58.3
PPG-FRC-130	28.3	85.0	56.7
COMPASS II	28.3	81.7	55.0
PST-4SWTM	30.0	80.0	55.0
BAR FRC 123	26.7	76.7	51.7
DLFPS-FRC-3105	23.3	80.0	51.7
BRITTANY 2	26.7	75.0	50.8
PVF-MVP-2020	26.7	73.3	50.0
RAD-FC59	26.7	73.3	50.0
LSD VALUE	28.8	25.8	26.4
C.V. (%)	33.0	11.8	16.8

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

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

TABLE 37C.

PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
 AT RALEIGH, NC 1/
 2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
PVF-HSY+	41.7	93.7	67.7
KEVIN	36.7	86.7	61.7
STB1	33.3	89.7	61.5
CARDINAL II	33.3	86.7	60.0
PPG-FRR 127	31.7	88.3	60.0
PPG-FRR-134	31.7	86.7	59.2
BOREAL	30.0	85.0	57.5
5Z2	31.7	78.3	55.0
5Z5	30.0	80.0	55.0
DLF-FRR-3128	30.0	80.0	55.0
BYE	28.3	78.3	53.3
PPG-FRR 132	22.7	78.3	50.5
RAD-FR64	21.7	75.0	48.3
FOXFIRE 2	20.0	71.7	45.8
LSD VALUE	16.1	18.4	15.6
C.V. (%)	24.0	9.8	12.7

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 37D.

PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS
 AT RALEIGH, NC 1/
 2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
GLADIATOR	38.3	81.7	60.0
PVF-PDB-2020	28.3	80.0	54.2
RESOLUTE	28.3	78.3	53.3
BAR FT 132	30.0	73.3	51.7
DLFPS-FL-3104	28.3	75.0	51.7
BAR FT 135	26.7	73.3	50.0
DA5-RHF	23.3	75.0	49.2
SPHD-20	25.0	70.0	47.5
TENACIOUS (NAI-HTB2)	23.3	71.7	47.5
PPG-FL 128	21.7	70.0	45.8
SWORD II (NAI-HAQ1+2)	23.3	66.7	45.0
LSD VALUE	29.4	33.7	30.7
C.V. (%)	37.9	15.3	20.6

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 37E.

PERCENT ESTABLISHMENT RATINGS OF SHEEP FESCUE CULTIVARS
AT RALEIGH, NC 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
QUATRO	28.3	78.3	53.3
BLUE HORNET (PPG-FO-102)	23.3	71.7	47.5
BAR FO 131	18.3	70.0	44.2
C.V. (%)	21.4	7.4	8.4
LSD VALUE	11.6	12.5	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 37F.

PERCENT ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT RALEIGH, NC 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
SEABREEZE GT	31.0	85.0	58.0
BAR FRL 122	33.3	80.0	56.7
LSD VALUE	11.6	12.5	9.5
C.V. (%)	24.2	7.4	12.1

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

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

TABLE 38A.

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
AT KENNETT SQUARE, PA 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
BAR FRL 122	83.3	89.3	86.3
PPG-FRR 132	86.7	85.0	85.8
PST-4SWTM	86.7	85.0	85.8
PVF-MVP-2020	86.7	85.0	85.8
PPG-FRC-130	81.7	89.0	85.3
BAR FRC 123	83.3	86.7	85.0
BYE	88.3	81.7	85.0
SHADOW IV (PST-4SHAD)	83.3	85.0	84.2
5Z5	83.3	84.3	83.8
JAMESTOWN VII	83.3	83.3	83.3
DLF-FRR-3128	81.7	81.7	81.7
SEABREEZE GT	76.7	86.7	81.7
SPHD-20	81.7	81.7	81.7
5Z2	76.7	85.0	80.8
PPG-FRC 127	80.0	81.7	80.8
PPG-FRR-134	81.7	80.0	80.8
BOREAL	78.3	81.7	80.0
RESOLUTE	83.3	76.7	80.0
BLUE HORNET (PPG-FO-102)	75.0	83.3	79.2
RAD-FC59	73.3	85.0	79.2
KEVIN	80.0	76.7	78.3
QUATRO	73.3	83.3	78.3
BRITTANY 2	73.3	81.7	77.5
DLFPS-FL-3104	75.0	80.0	77.5
BAR FT 135	76.7	76.7	76.7
CARDINAL II	75.0	78.3	76.7
RAD-FR64	73.3	80.0	76.7
BAR FRC 130	71.7	80.0	75.8
COMPASS II	70.0	81.7	75.8
TENACIOUS (NAI-HTB2)	71.7	80.0	75.8
GLADIATOR	68.3	81.7	75.0
SWORD II (NAI-HAQ1+2)	73.3	76.7	75.0
NAI-CHU1	68.3	78.3	73.3
DLFPS-FRC-3105	70.0	73.3	71.7
PPG-FRR 127	73.3	70.0	71.7
PVF-PDB-2020	66.7	75.0	70.8
PVF-HSY+	66.7	73.3	70.0
STB1	66.7	73.3	70.0
BAR FT 132	63.3	73.3	68.3
BAR FO 131	65.0	70.0	67.5
PPG-FL 128	66.7	68.3	67.5
FOXFIRE 2	50.0	75.0	62.5
DA5-RHF	53.3	61.7	57.5
LSD VALUE	46.1	37.6	36.4
C.V. (%)	18.7	12.9	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 38B.

PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS
 AT KENNETT SQUARE, PA 1/
 2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
PST-4SWTM	86.7	85.0	85.8
PVF-MVP-2020	86.7	85.0	85.8
PPG-FRC-130	81.7	89.0	85.3
BAR FRC 123	83.3	86.7	85.0
SHADOW IV (PST-4SHAD)	83.3	85.0	84.2
JAMESTOWN VII	83.3	83.3	83.3
PPG-FRC 127	80.0	81.7	80.8
RAD-FC59	73.3	85.0	79.2
BRITTANY 2	73.3	81.7	77.5
BAR FRC 130	71.7	80.0	75.8
COMPASS II	70.0	81.7	75.8
NAI-CHU1	68.3	78.3	73.3
DLFPS-FRC-3105	70.0	73.3	71.7
LSD VALUE	34.6	27.0	28.0
C.V. (%)	16.0	10.8	12.2

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

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

TABLE 38C.

PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
 AT KENNETT SQUARE, PA 1/
 2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
PPG-FRR 132	86.7	85.0	85.8
BYE	88.3	81.7	85.0
5Z5	83.3	84.3	83.8
DLF-FRR-3128	81.7	81.7	81.7
5Z2	76.7	85.0	80.8
PPG-FRR-134	81.7	80.0	80.8
BOREAL	78.3	81.7	80.0
KEVIN	80.0	76.7	78.3
CARDINAL II	75.0	78.3	76.7
RAD-FR64	73.3	80.0	76.7
PPG-FRR 127	73.3	70.0	71.7
PVF-HSY+	66.7	73.3	70.0
STB1	66.7	73.3	70.0
FOXFIRE 2	50.0	75.0	62.5
LSD VALUE	33.8	30.4	30.1
C.V. (%)	18.4	12.7	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 38D.

PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS
AT KENNETT SQUARE, PA 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
SPHD-20	81.7	81.7	81.7
RESOLUTE	83.3	76.7	80.0
DLFPS-FL-3104	75.0	80.0	77.5
BAR FT 135	76.7	76.7	76.7
TENACIOUS (NAI-HTB2)	71.7	80.0	75.8
GLADIATOR	68.3	81.7	75.0
SWORD II (NAI-HAQ1+2)	73.3	76.7	75.0
PVF-PDB-2020	66.7	75.0	70.8
BAR FT 132	63.3	73.3	68.3
PPG-FL 128	66.7	68.3	67.5
DA5-RHF	53.3	61.7	57.5
LSD VALUE	46.0	31.6	32.8
C.V. (%)	23.6	15.3	16.8

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

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

TABLE 38E.

PERCENT ESTABLISHMENT RATINGS OF SHEEP FESCUE CULTIVARS
AT KENNETT SQUARE, PA 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
BLUE HORNET (PPG-FO-102)	75.0	83.3	79.2
QUATRO	73.3	83.3	78.3
BAR FO 131	65.0	70.0	67.5
LSD VALUE	38.1	20.5	23.8
C.V. (%)	23.1	11.2	13.7

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

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

TABLE 38F.

PERCENT ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT KENNETT SQUARE, PA 1/
2020 DATA 2/

NAME	OCTOBER	NOVEMBER	MEAN
BAR FRL 122	83.3	89.3	86.3
SEABREEZE GT	76.7	86.7	81.7
LSD VALUE	38.1	20.5	23.8
C.V. (%)	5.1	2.0	3.4

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 39A.

PERCENT ESTABLISHMENT RATINGS OF FINELEAF FESCUE CULTIVARS
AT LOGAN, UT 1/
2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
JAMESTOWN VII	26.7	76.7	51.7
NAI-CHU1	26.7	76.7	51.7
SEABREEZE GT	26.7	76.7	51.7
BOREAL	23.3	76.7	50.0
BRITTANY 2	30.0	70.0	50.0
COMPASS II	30.0	70.0	50.0
SHADOW IV (PST-4SHAD)	30.0	70.0	50.0
BAR FRC 123	23.3	73.3	48.3
BYE	26.7	70.0	48.3
KEVIN	23.3	73.3	48.3
PPG-FRC 127	26.7	70.0	48.3
5Z5	20.0	73.3	46.7
BAR FRL 122	23.3	70.0	46.7
CARDINAL II	20.0	73.3	46.7
DLF-FRR-3128	23.3	70.0	46.7
DLFPS-FRC-3105	20.0	73.3	46.7
PPG-FRC-130	23.3	70.0	46.7
PVF-MVP-2020	23.3	70.0	46.7
5Z2	23.3	66.7	45.0
GLADIATOR	23.3	66.7	45.0
PVF-HSY+	23.3	66.7	45.0
PPG-FRR 127	20.0	66.7	43.3
PPG-FRR 132	20.0	66.7	43.3
PPG-FRR-134	26.7	60.0	43.3
PST-4SWTM	16.7	70.0	43.3
QUATRO	23.3	63.3	43.3
RAD-FR64	16.7	70.0	43.3
STB1	20.0	66.7	43.3
RAD-FC59	16.7	66.7	41.7
BAR FO 131	20.0	60.0	40.0
BAR FRC 130	16.7	63.3	40.0
BLUE HORNET (PPG-FO-102)	10.0	70.0	40.0
PPG-FL 128	20.0	60.0	40.0
BAR FT 132	16.7	56.7	36.7
DLFPS-FL-3104	16.7	56.7	36.7
PVF-PDB-2020	13.3	60.0	36.7
SWORD II (NAI-HAQ1+2)	13.3	60.0	36.7
DA5-RHF	13.3	56.7	35.0
RESOLUTE	16.7	53.3	35.0
SPHD-20	16.7	53.3	35.0
FOXFIRE 2	10.0	56.7	33.3
TENACIOUS (NAI-HTB2)	10.0	56.7	33.3
BAR FT 135	10.0	53.3	31.7
LSD VALUE	9.5	10.1	7.6
C.V. (%)	26.5	9.1	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 39B.

PERCENT ESTABLISHMENT RATINGS OF CHEWINGS FESCUE CULTIVARS
 AT LOGAN, UT 1/
 2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
JAMESTOWN VII	26.7	76.7	51.7
NAI-CHU1	26.7	76.7	51.7
BRITTANY 2	30.0	70.0	50.0
COMPASS II	30.0	70.0	50.0
SHADOW IV (PST-4SHAD)	30.0	70.0	50.0
BAR FRC 123	23.3	73.3	48.3
PPG-FRC 127	26.7	70.0	48.3
DLFPS-FRC-3105	20.0	73.3	46.7
PPG-FRC-130	23.3	70.0	46.7
PVF-MVP-2020	23.3	70.0	46.7
PST-4SWTM	16.7	70.0	43.3
RAD-FC59	16.7	66.7	41.7
BAR FRC 130	16.7	63.3	40.0
LSD VALUE	8.4	11.5	7.5
C.V. (%)	19.3	7.0	8.1

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

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

TABLE 39C.

PERCENT ESTABLISHMENT RATINGS OF STRONG CREEPING RED FESCUE CULTIVARS
AT LOGAN, UT 1/
2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
BOREAL	23.3	76.7	50.0
BYE	26.7	70.0	48.3
KEVIN	23.3	73.3	48.3
5Z5	20.0	73.3	46.7
CARDINAL II	20.0	73.3	46.7
DLF-FRR-3128	23.3	70.0	46.7
5Z2	23.3	66.7	45.0
PVF-HSY+	23.3	66.7	45.0
PPG-FRR 127	20.0	66.7	43.3
PPG-FRR 132	20.0	66.7	43.3
PPG-FRR-134	26.7	60.0	43.3
RAD-FR64	16.7	70.0	43.3
STB1	20.0	66.7	43.3
FOXFIRE 2	10.0	56.7	33.3
LSD VALUE	13.8	13.4	11.7
C.V. (%)	27.5	9.2	11.5

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 39D.

PERCENT ESTABLISHMENT RATINGS OF HARD FESCUE CULTIVARS
AT LOGAN, UT 1/
2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
GLADIATOR	23.3	66.7	45.0
PPG-FL 128	20.0	60.0	40.0
BAR FT 132	16.7	56.7	36.7
DLFPS-FL-3104	16.7	56.7	36.7
PVF-PDB-2020	13.3	60.0	36.7
SWORD II (NAI-HAQ1+2)	13.3	60.0	36.7
DA5-RHF	13.3	56.7	35.0
RESOLUTE	16.7	53.3	35.0
SPHD-20	16.7	53.3	35.0
TENACIOUS (NAI-HTB2)	10.0	56.7	33.3
BAR FT 135	10.0	53.3	31.7
LSD VALUE	14.0	16.7	11.7
C.V. (%)	37.7	11.4	13.5

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

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

TABLE 39E.

PERCENT ESTABLISHMENT RATINGS OF SHEEP FESCUE CULTIVARS
AT LOGAN, UT 1/
2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
QUATRO	23.3	63.3	43.3
BAR FO 131	20.0	60.0	40.0
BLUE HORNET (PPG-FO-102)	10.0	70.0	40.0
LSD VALUE	12.2	18.2	11.3
C.V. (%)	29.6	12.1	11.8

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 39F.

PERCENT ESTABLISHMENT RATINGS OF SLENDER CREEPING RED FESCUE CULTIVARS
AT LOGAN, UT 1/
2020 DATA 2/

NAME	SEPT 11	SEPT 30	MEAN
SEABREEZE GT	26.7	76.7	51.7
BAR FRL 122	23.3	70.0	46.7
LSD VALUE	12.2	18.2	11.3
C.V. (%)	16.3	5.6	7.2

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR FINELEAF FESCUE CULTIVARS */
2021 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
5Z2	5.7	38.9
5Z5	5.7	38.9
BAR FO 131	4.9	5.6
BAR FRC 123	5.4	5.6
BAR FRC 130	5.5	5.6
BAR FRL 122	5.3	5.6
BAR FT 132	4.8	11.1
BAR FT 135	5.0	22.2
BLUE HORNET (PPG-FO-102)	4.8	11.1
BOREAL	4.4	0.0
BRITTANY 2	6.0	44.4
BYE	5.9	44.4
CARDINAL II	5.5	16.7
COMPASS II	5.9	38.9
DA5-RHF	5.2	5.6
DLF-FRR-3128	5.3	16.7
DLFPS-FL-3104	5.2	22.2
DLFPS-FRC-3105	6.1	55.6
FOXFIRE 2	5.1	0.0
GLADIATOR	5.1	27.8
JAMESTOWN VII	5.6	16.7
KEVIN	5.4	16.7
NAI-CHU1	6.0	50.0
PPG-FL 128	5.4	33.3
PPG-FRC 127	6.0	61.1
PPG-FRC-130	6.1	50.0
PPG-FRR 127	5.8	38.9
PPG-FRR 132	5.6	22.2
PPG-FRR-134	5.8	38.9
PST-4SWTM	5.6	16.7
PVF-HSY+	5.7	22.2
PVF-MVP-2020	5.9	44.4
PVF-PDB-2020	5.4	33.3
QUATRO	4.4	0.0
RAD-FC59	5.6	27.8
RAD-FR64	5.2	11.1
RESOLUTE	4.9	16.7
SEABREEZE GT	5.2	5.6
SHADOW IV (PST-4SHAD)	5.4	11.1
SPHD-20	4.9	11.1
STB1	5.8	27.8
SWORD II (NAI-HAQ1+2)	5.1	27.8
TENACIOUS (NAI-HTB2)	5.2	22.2
LSD VALUE	0.2	
C.V. (%)	10.8	

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

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

1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

2/ MAXIMUM IN TOP 25%: THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.