

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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CONTENTS

2018 National Tall Fescue Test - 2021 data

LOCATIONS SUBMITTING DATA FOR 2021.....1

NATIONAL TALL FESCUE TEST, 2018

 Entries and Sponsors.....2

Table A - 2021 Locations, Site Descriptions and Management Practices in
the 2018 National Tall Fescue Test.....3

Table B - Locations and Data Collected in 2021.....4

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

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

Table 3 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars
Grown in Location Performance Index (LPI) Group 3.....13

Table 4 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars Grown at Four Locations in the Northeast Region.....16

Table 5 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars Grown at Eight Locations in the Transition Region.....19

Table 6 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars Grown at Two Locations in the Southeast Region.....22

Table 7 - Mean Turfgrass Quality Ratings of Tall Fescue
Grown at Five Locations in the North Central Region.....25

Table 8 - Mean Turfgrass Quality Ratings of Tall Fescue
Cultivars Grown at Logan, UT (In the Upper West/Mountain Region).....28

Table 9 - Mean Turfgrass Quality Ratings of Tall Fescue Cultivars
Grown at Corvallis, OR (In the Pacific Region).....31

Table 10- Mean Turfgrass Quality and Other Ratings of Tall Fescue
Cultivars Grown under Traffic Stress at Ames, IA.....34

Table 11- Mean Turfgrass Quality and Other Ratings of Tall Fescue
Cultivars Grown under Traffic Stress at Amherst, MA.....40

Table 12A- Mean Turfgrass Quality and Other Ratings of Tall Fescue
Cultivars Grown under Spring Traffic Stress at North Brunswick, NJ...43

Table 12B- Mean Turfgrass Quality and Other Ratings of Tall Fescue
Cultivars Grown under Summer Traffic Stress at North Brunswick, NJ...46

Table 12C- Mean Turfgrass Quality and Other Ratings of Tall Fescue
Cultivars Grown under Fall Traffic Stress at North Brunswick, NJ.....49

CONTENTS (continued)

Table 13 - Mean Turfgrass Quality and Other Ratings of Tall Fescue Cultivars Grown under Shade at Ames, IA	52
Table 14 - Mean Turfgrass Quality and Other Ratings of Tall Fescue Cultivars Grown under Drought Stress at Logan, UT.....	58
Table 15 - Mean Turfgrass Quality and Other Ratings of Tall Fescue Cultivars Grown at Blacksburg, VA (1.5" Mowing Height).....	61
Table 16 - Genetic Color Ratings of Tall Fescue Cultivars.....	64
Table 17 - Spring Greenup Ratings of Tall Fescue Cultivars.....	67
Table 18 - Leaf Texture Ratings of Tall Fescue Cultivars.....	70
Table 19 - Spring Density Ratings of Tall Fescue Cultivars.....	73
Table 20 - Summer Density Ratings of Tall Fescue Cultivars.....	76
Table 21 - Fall Density Ratings of Tall Fescue Cultivars.....	79
Table 22 - Percent Living Ground Cover (Spring) Ratings of Tall Fescue Cultivars.....	82
Table 23 - Percent Living Ground Cover (Summer) Ratings of Tall Fescue Cultivars.....	85
Table 24 - Percent Living Ground Cover (Fall) Ratings of Tall Fescue Cultivars.....	88
Table 25 - Winter Color Ratings of Tall Fescue Cultivars.....	91
Table 26 - Typhula Blight Ratings of Tall Fescue Cultivars.....	92
Table 27 - Red Thread Ratings of Tall Fescue Cultivars.....	93
Table 28 - Brown Patch (Warm Temperature) Ratings of Tall Fescue Cultivars.....	94
Table 29 - Pythium Blight Ratings of Tall Fescue Cultivars.....	97
Table 30 - Brown Patch (Cool Temperature) Ratings of Tall Fescue Cultivars.....	100
Table 31 - Pink Snow Mold Ratings of Tall Fescue Cultivars.....	103
Table 32 - Fall Color (September) Ratings of Tall Fescue Cultivars.....	104
Table 33 - Fall Color (October) Ratings of Tall Fescue Cultivars.....	105
Table 34 - Fall Color (November) Ratings of Tall Fescue Cultivars.....	108
Table 35 - Fall Color (December) Ratings of Tall Fescue Cultivars.....	111
Table 36 - Turf Uniformity Ratings of Tall Fescue Cultivars.....	112

CONTENTS (continued)

Table 37 - Brown Patch (Warm Temperature) Ratings of Tall Fescue Cultivars At Newark, DE.....	113
Table 38 - Brown Patch (Warm Temperature) Ratings of Tall Fescue Cultivars At Raleigh, NC.....	116
Appendix Table- Summary of Turfgrass Quality Ratings of Tall Fescue Cultivars...	119

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>.

2018 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2021

State/Province	Location	Code
Connecticut	Storrs	CT1
Delaware	Newark	DE1
Georgia	Griffin	GA1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Iowa	Ames (Traffic)	IA2
Iowa	Ames (Shade)	IA3
Kansas	Manhattan	KS1
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Mississippi	Mississippi State	MS1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (Traffic)	NJ3
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Ontario	Guelph	ON1
Oregon	Corvallis	OR1
Pennsylvania	Kennett Square	PA2
Tennessee	Knoxville	TN1
Utah	Logan	UT1
Utah	Logan (Drought)	UT2
Virginia	Blacksburg (3" Height)	VA1
Virginia	Blacksburg (1.5" Height)	VA2

2018 NATIONAL TALL FESCUE TEST ENTRIES AND SPONSORS

ENTRY	NAME	SPONSOR	ENTRY	NAME	SPONSOR	ENTRY	NAME	SPONSOR
*1	Naturally Green	Carlton Seed Co.	45	PST-5MINK	Pure Seed Testing	*89	Spyder 2LS (ZRC1)	Mountain View Seeds
*2	Paramount	Standard	*46	Moondance GLX	Integrated Seed Growers	90	PPG-TF 231	Peak Plant Genetics LLC
3	DLFPS-321/3693	DLF Pickseed USA	*47	Monument (PST-5SQB)	Site One Land. Supply	*91	Rover (PPG-TF 306)	Landmark Turf & Native Seed
4	DLFPS-321/3694	DLF Pickseed USA	48	PST-5DZM	Pure Seed Testing	92	PPG-TF 318	Peak Plant Genetics LLC
5	DLFPS-321/3695	DLF Pickseed USA	49	PST-5GLBS	Pure Seed Testing	*93	Bullseye	Standard
*6	SR 8700 (TMT1)	DLF Pickseed USA	*50	GLX ACED (PST-5DART)	Pure Seed (Rose Agri)	*94	Firehawk SLT	Burlingham Seeds
7	ATF2116	Pennington Seed	51	PST-5DC24	Pure Seed (Rose Agri)	*95	Hemi	Standard
8	NT-3	Pennington Seed	*52	Tango	Site One Land. Supply	*96	Bullseye LTZ	Burlingham Seeds
9	RS1	DLF Pickseed USA	*53	Endgame (3N1)	Site One Land. Supply	97	RAD-TF 115 (Turbo SS)	Burlingham Seeds
10	5LSS	Pure Seed Testing	*54	Bandit	Site One Land. Supply	*98	Dragster	Burlingham Seeds
11	BGR-TF3	Berger International	*55	Copious TF	Site One Land. Supply	99	GO-RH20	Grassland Oregon Seed
12	ATF1768	Pennington Seed	*56	Padre 2	Site One Land. Supply	*100	Birmingham	Grassland Oregon Seed
*13	Gallardo (DLFPS-TF/3550)	DLF Pickseed USA	*57	Bravo 2	Site One Land. Supply	101	GO-AOMK	Grassland Oregon Seed
*14	Essential 2 (DLFPS-TF/3552)	DLF Pickseed USA	58	NAI-FQZ-17	Lakeside Ag. Ventures	*102	Talladega II (NAI-3N2)	The Scotts Company
15	DLFPS-TF/3553	DLF Pickseed USA	*59	Capitan (DLFPS-321/3705)	DLF Pickseed USA	103	NAI-ROS4	Landmark Turf & Native Seed
*16	Bentley (DLFPS-321/3679)	DLF Pickseed USA	60	DLFPS-321/3706	DLF Pickseed USA	*104	Tough (NAI-TUE)	The Scotts Company
17	LBF	Tualatin Valley Seeds	61	DLFPS-321/3707	DLF Pickseed USA	105	NAI-ST5	Landmark Turf & Native Seed
18	TD2	Pennington Seed	62	DLFPS-321/3708	DLF Pickseed USA	*106	Gro-Pro (SE53D2)	Smith Seed Services, LLC
*19	Raceway (DLFPS-321/3696)	DLF Pickseed USA	*63	Zion (BAR TF 134)	Barenbrug USA	107	SESSTAR	Smith Seed Services, LLC
*20	Rowdier (DLFPS-321/3699)	DLF Pickseed USA	64	BAR-FA8230	Barenbrug USA	*108	Galactic (SESCR1)	Smith Seed Services, LLC
*21	Grande 3	DLF Pickseed USA	65	AH1	Landmark Turf & Native Seed	*109	Fairfield (SETF104)	Smith Seed Services, LLC
*22	Fayette	Standard	66	PPG-TF 249	Landmark Turf & Native Seed	110	SETFM2	Smith Seed Services, LLC
23	JT 517	Barenbrug USA	67	PPG-TF 262	Landmark Turf & Native Seed	111	SETFM3	Smith Seed Services, LLC
*24	Bonfire (JS DTT)	Barenbrug USA	68	PPG-TF 267	Landmark Turf & Native Seed	112	3B2	ProSeeds Marketing
25	RDC	Oregro	*69	Daybreak (AH2)	BrettYoung	113	RAD-TF105	Radix Research
26	BAR 9FE MAS	Barenbrug USA	70	K18-RS6	The Scotts Company	114	RAD-TF131	Radix Research
27	BAR FA 8228	Barenbrug USA	71	K18-WB1	The Scotts Company	115	RHL2	Semillas Fito
28	COL-TF-148	The Scotts Company	72	RH1	ProSeeds Marketing Inc.	*116	Raptor III	Standard
*29	O'Keefe (LTP-TF-122)	Lebanon Seaboard Corp.	73	RH3	ProSeeds Marketing Inc.	117	RHF	Semillas Dalmau
*30	Degas (LTP-TF-111)	Lebanon Seaboard Corp.	74	JT 233	Vista Seed Partners, LLC	*118	Teacher (PPG-TF 313)	The Scotts Company
*31	Kizzle (K18-ROE)	The Scotts Company	*75	Xanadu (JT 268)	Barenbrug USA	*119	Serenade (PPG-TF 320)	Integra Turf, Inc.
32	K18-NSE	The Scotts Company	*76	Firenza II (PPG-TF 244)	Integra Turf, Inc.	*120	Triad (PPG-TF 323)	The Scotts Company
*33	Fastlane (BY-TF-169)	BrettYoung	*77	Symphony (PPG-TF 305)	Integra Turf, Inc.	*121	Tank (PPG-TF 338)	The Scotts Company
*34	Bladerunner 3 (DLFPS-321/3701)	DLF Pickseed USA	78	PPG-TF 316	Lewis Seed Co.	122	Estrena	Semillas Dalmau
*35	Houndog Nine (DLFPS-321/3702)	DLF Pickseed USA	79	RC4	Semillas Fito	*123	AST818LM	Allied Seed LLC
36	DLFPS-321/3703	DLF Pickseed USA	80	PPG-TF 257	Vista Seed Partners, LLC	*124	AST8218LM	Allied Seed LLC
37	PST-5TRN	Pure Seed Testing	*81	Stealth (PPG-TF 238)	Mountain View Seeds	125	A-TF31	Allied Seed LLC
38	PST-5GQ	Pure Seed Testing	*82	Dynamite G-LS (PPG-TF 254)	Mountain View Seeds	*126	Palomar	Oregro Seed
39	PST-5MCMO	Pure Seed Testing	*83	Avenger III (PPG-TF 308)	Mountain View Seeds	*127	Escalade	Oregro Seed
*40	Pro Gold	Integrated Seed Growers	*84	Titanium G-LS (PPG-TF 255)	Mountain View Seeds	*128	OG-WALK	Oregro Seed
41	PST-5E6	Pure Seed Testing	85	PPG-TF 312	Mountain View Seeds	*129	Titan GLX (TF445)	Smith Seed Services
42	PST-5THM	Pure Seed Testing	*86	Firecracker G-LS (PPG-TF 315)	Mountain View Seeds	*130	Titan Max (TF456)	Smith Seed Services
43	PST-5BYOB	BrettYoung	*87	Raptor LS (PPG-TF 336)	Mountain View Seeds	*131	Grand Prix (FC15-01P)	Criadero El Concerro SA
*44	Lifeguard	Pure Seed (Rose Agri)	88	PPG-TF 337	Mountain View Seeds	*132	Kentucky-31	Standard

*COMMERCIALY AVAILABLE IN THE USA OR ANY OTHER COUNTRY IN 2022

TABLE A.

2021 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2018 NATIONAL TALL 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
CT1	SANDY LOAM	6.1-6.5	61-150	151-240	-	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
DE1	-	-	-	-	-	-	-	-
GA1	SANDY CLAY LOAM	4.6-5.5	0-60	151-240	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IA1	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IA2	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IA3	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	4.1+	TO PREVENT DORMANCY
KS1	SILTY CLAY LOAM	6.6-7.0	61-150	151-240	0.0-1.0	FULL SUN	1.6-2.0	NO IRRIGATION
MA1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
MI1	-	-	-	-	-	-	-	-
MO1	-	-	-	-	-	-	-	-
MS1	SANDY LOAM	7.1-7.5	271-450	501+	2.1-3.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
NC1	SANDY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NE1	SILTY CLAY AND CLAY	7.1-7.5	0-60	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	5.6-6.0	61-150	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ3	LOAM	5.6-6.0	61-150	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ON1	-	7.1-7.5	-	-	-	FULL SUN	1.6-2.0	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.6-2.0	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
TN1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS
UT2	SILT LOAM AND SILT	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
VA1	SILTY CLAY LOAM	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
VA2	SILTY CLAY LOAM	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	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
CT1				X	X	X	X	X	X	X			X	X	X
DE1	X	X	X	X	X	X	X	X	X	X	X	X		X	
GA1	X	X	X	X	X	X	X	X			X	X	X		
IA1				X	X	X	X	X	X	X	X		X	X	X
IA2				X	X	X	X	X	X	X	X		X	X	X
IA3				X	X	X	X	X	X	X	X		X	X	X
IN1				X	X	X	X	X	X	X	X		X		
KS1				X	X		X	X	X						
MA1				X	X	X	X	X	X	X	X				
MD1				X	X	X	X	X	X	X	X				
MI1					X	X	X	X	X	X			X		X
MO1				X	X	X	X	X	X	X					
MS1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NC1	X	X	X	X	X	X	X	X	X	X	X		X		X
NE1				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X					
NJ2				X	X	X	X	X	X					X	
NJ3															
OK1	X	X	X	X	X	X	X	X	X	X	X		X		X
ON1				X	X	X	X	X	X	X	X		X	X	X
OR1					X	X	X	X	X	X	X		X		
PA2			X	X	X	X	X	X	X	X	X		X	X	X
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1					X	X	X	X	X	X			X	X	X
UT2					X	X	X	X	X	X				X	
VA1					X	X	X	X	X	X					
VA2					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	TYPHULA BLIGHT	RED THREAD	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	BROWN PATCH COOL TEMP.	PINK SNOW MOLD
CT1		X	X										
DE1										X			
GA1													
IA1	X	X	X	X	X	X							
IA2	X	X	X										
IA3	X	X	X										
IN1			X								X		
KS1													
MA1													
MD1													
MI1			X										
MO1									X			X	
MS1	X						X						
NC1	X		X							X			
NE1	X		X										
NJ1													
NJ2						X							
NJ3													
OK1	X	X	X	X	X	X					X		
ON1	X	X	X		X	X							X
OR1													
PA2				X	X	X		X				X	
TN1	X	X	X	X	X	X							
UT1		X											
UT2													
VA1										X			
VA2													

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	UNIFORMITY RATINGS	ADDITIONAL BROWN PATCH	WEAR MAY	TOLERANCE JULY	RATINGS OCTOBER	ADDITIONAL GROUND COVER
CT1										
DE1						X				
GA1			X	X						
IA1	X	X	X							
IA2	X	X	X							X
IA3	X	X	X							X
IN1										
KS1										
MA1							X	X	X	
MD1										
MI1										
MO1										
MS1										
NC1			X			X				
NE1		X								
NJ1										
NJ2										
* NJ3										
OK1										
ON1			X							
OR1										
PA2		X								
TN1										
UT1			X		X					
UT2										
VA1										
VA2										

* MORE TRAFFIC DATA FOR NJ3 IN TABLE 12.

TABLE 1.

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

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

NAME	ENTRY #	VA1	DE1	TN1	MI1	IA1	MO1	OK1	NE1	UT1	MEAN
* TITANIUM G-LS (PPG-TF 255)	84	6.6	7.3	7.2	7.2	6.8	5.5	5.7	7.1	6.9	7.0
RHL2	115	6.6	7.3	7.0	7.1	6.7	5.5	5.6	7.0	6.8	6.9
* AVENGER III (PPG-TF 308)	83	6.6	7.3	7.1	7.2	6.8	5.5	5.6	7.1	6.9	6.9
* SPYDER 2LS (ZRC1)	89	6.6	7.3	7.0	7.1	6.6	5.5	5.6	7.0	6.8	6.9
* TRIAD (PPG-TF 323)	120	6.6	7.2	7.1	7.2	6.9	5.5	5.6	7.1	6.9	6.9
* TEACHER (PPG-TF 313)	118	6.6	7.2	7.1	7.2	6.8	5.5	5.6	7.1	6.8	6.9
GO-RH20	99	6.6	7.2	7.1	7.1	6.7	5.5	5.6	7.0	6.9	6.9
* SERENADE (PPG-TF 320)	119	6.6	7.2	7.1	7.1	6.7	5.5	5.6	7.0	6.9	6.9
* FIRECRACKER G-LS (PPG-TF 315)	86	6.6	7.2	7.0	7.1	6.7	5.5	5.6	7.0	6.8	6.9
* RAPTOR LS (PPG-TF 336)	87	6.6	7.2	6.9	7.1	6.5	5.5	5.5	6.9	6.8	6.9
* TITAN GLX (TF445)	129	6.5	7.2	7.0	7.1	6.5	5.4	5.6	6.9	6.9	6.9
PPG-TF 337	88	6.6	7.2	7.1	7.2	6.9	5.4	5.6	7.1	6.9	6.9
* TANK (PPG-TF 338)	121	6.5	7.2	7.0	7.1	6.7	5.5	5.5	7.0	6.8	6.9
* BULLSEYE LTZ	96	6.5	7.2	7.0	7.1	6.8	5.4	5.5	7.0	6.8	6.8
* ROVER (PPG-TF 306)	91	6.5	7.2	7.0	7.1	6.7	5.4	5.5	7.0	6.8	6.8
NAI-ST5	105	6.5	7.2	7.1	7.1	6.8	5.4	5.6	7.0	6.8	6.8
NAI-ROS4	103	6.5	7.2	7.0	7.1	6.7	5.4	5.5	7.0	6.8	6.8
* GALACTIC (SESCR1)	108	6.5	7.1	7.0	7.0	6.6	5.3	5.5	6.9	6.8	6.8
* TITAN MAX (TF456)	130	6.4	7.1	7.0	7.0	6.7	5.3	5.5	6.9	6.7	6.8
RHF	117	6.4	7.1	6.9	7.0	6.5	5.3	5.5	6.9	6.7	6.7
PPG-TF 231	90	6.4	7.0	6.9	7.1	6.8	5.3	5.4	7.0	6.6	6.7
* DRAGSTER	98	6.4	7.0	7.0	7.0	6.7	5.2	5.5	6.9	6.7	6.7
* FIREHAWK SLT	94	6.4	7.0	7.1	7.1	6.9	5.2	5.4	7.1	6.7	6.7
PPG-TF 312	85	6.3	7.0	6.7	6.9	6.4	5.3	5.3	6.7	6.5	6.7
* RAPTOR III	116	6.4	7.0	7.1	7.0	6.9	5.2	5.4	7.0	6.7	6.7
* HEMI	95	6.4	7.0	7.1	7.0	6.9	5.1	5.4	7.0	6.7	6.7
PPG-TF 262	67	6.7	7.4	7.1	7.3	6.8	5.6	5.7	7.1	7.0	6.7
* TALLADEGA II (NAI-3N2)	102	6.4	7.0	6.8	7.0	6.7	5.2	5.3	6.9	6.6	6.7
PPG-TF 318	92	6.3	7.0	7.0	6.9	6.6	5.1	5.4	6.9	6.7	6.6
PPG-TF 267	68	6.6	7.3	7.1	7.2	6.9	5.5	5.6	7.1	6.9	6.6
3B2	112	6.3	6.9	7.0	7.0	6.8	5.1	5.4	7.0	6.6	6.6
* DAYBREAK (AH2)	69	6.7	7.4	7.1	7.1	6.5	5.6	5.7	7.0	6.9	6.6
PPG-TF 316	78	6.6	7.2	7.0	7.2	6.7	5.5	5.6	7.0	6.8	6.6
* HOUNDG NINE (DLFPS-321/3702)	35	6.6	7.2	6.9	7.2	6.8	5.6	5.5	7.0	6.8	6.6
* TOUGH (NAI-TUE)	104	6.3	6.8	7.1	7.0	7.0	5.0	5.4	7.0	6.6	6.6
TD2	18	6.6	7.2	7.1	7.1	6.7	5.4	5.6	7.0	6.9	6.5
AH1	65	6.6	7.3	6.9	7.1	6.5	5.6	5.6	6.9	6.9	6.5
DLFPS-321/3708	62	6.5	7.2	7.1	7.1	6.8	5.4	5.6	7.1	6.8	6.5
* BLADERUNNER 3 (DLFPS-321/3701)	34	6.6	7.2	7.0	7.2	6.8	5.4	5.5	7.1	6.8	6.5
DLFPS-TF/3553	15	6.6	7.2	7.0	7.2	6.8	5.4	5.5	7.1	6.8	6.5
* XANADU (JT 268)	75	6.5	7.2	7.1	7.1	6.7	5.4	5.6	7.0	6.9	6.5
RH1	72	6.5	7.2	7.1	7.1	6.8	5.4	5.6	7.1	6.8	6.5
* FASTLANE (BY-TF-169)	33	6.5	7.2	7.0	7.1	6.8	5.4	5.6	7.0	6.8	6.5
* FIRENZA II (PPG-TF 244)	76	6.6	7.2	7.1	7.1	6.6	5.4	5.6	7.0	6.8	6.5
* FAIRFIELD (SETF104)	109	6.2	6.8	6.9	6.9	6.8	5.0	5.3	6.9	6.5	6.5

TABLE 1.
(CONT'D)

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

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

NAME	ENTRY #	VA1	DE1	TN1	MI1	IA1	MO1	OK1	NE1	UT1	MEAN
PPG-TF 257	80	6.5	7.1	7.1	7.1	6.8	5.4	5.5	7.1	6.8	6.5
DLFPS-321/3707	61	6.6	7.2	7.0	7.1	6.6	5.5	5.6	7.0	6.8	6.5
* CAPITAN (DLFPS-321/3705)	59	6.6	7.2	7.0	7.1	6.5	5.4	5.6	6.9	6.9	6.5
DLFPS-321/3695	5	6.5	7.1	7.0	7.1	6.8	5.4	5.5	7.0	6.8	6.5
* SYMPHONY (PPG-TF 305)	77	6.5	7.2	7.0	7.1	6.7	5.4	5.6	7.0	6.8	6.5
* ZION (BAR TF 134)	63	6.6	7.2	7.0	7.1	6.5	5.5	5.6	6.9	6.8	6.5
* DEGAS (LTP-TF-111)	30	6.5	7.2	7.1	7.1	6.7	5.4	5.6	7.0	6.8	6.5
RAD-TF105	113	6.2	6.8	6.8	6.8	6.6	5.0	5.2	6.8	6.5	6.5
* DYNAMITE G-LS (PPG-TF 254)	82	6.5	7.2	6.9	7.1	6.6	5.5	5.5	6.9	6.8	6.5
K18-WB1	71	6.5	7.2	7.0	7.1	6.7	5.4	5.5	7.0	6.8	6.5
DLFPS-321/3706	60	6.5	7.1	7.0	7.1	6.8	5.3	5.5	7.0	6.8	6.5
ESTRENA	122	6.2	6.8	6.6	6.8	6.5	5.1	5.1	6.7	6.4	6.5
PPG-TF 249	66	6.5	7.1	7.0	7.1	6.7	5.4	5.5	7.0	6.7	6.5
* GALLARDO (DLFPS-TF/3550)	13	6.5	7.2	6.9	7.1	6.6	5.4	5.5	6.9	6.8	6.5
K18-RS6	70	6.5	7.2	7.0	7.0	6.5	5.4	5.6	6.9	6.8	6.5
* BONFIRE (JS DTT)	24	6.5	7.2	7.0	7.0	6.6	5.3	5.6	6.9	6.8	6.5
* ROWDIER (DLFPS-321/3699)	20	6.4	7.0	7.1	7.1	6.9	5.3	5.5	7.0	6.7	6.5
* KIZZLE (K18-ROE)	31	6.4	7.0	7.0	7.1	6.8	5.3	5.5	7.0	6.7	6.5
* ESSENTIAL 2 (DLFPS-TF/3552)	14	6.5	7.2	6.9	7.0	6.6	5.4	5.5	6.9	6.7	6.4
RS1	9	6.5	7.1	7.0	7.0	6.6	5.4	5.5	6.9	6.8	6.4
RDC	25	6.5	7.2	6.9	7.0	6.5	5.4	5.5	6.9	6.7	6.4
* RACEWAY (DLFPS-321/3696)	19	6.4	7.0	6.9	7.1	6.8	5.3	5.4	7.0	6.7	6.4
COL-TF-148	28	6.5	7.2	6.9	7.0	6.5	5.4	5.5	6.9	6.7	6.4
SETFM3	111	6.1	6.7	7.0	6.9	6.9	4.8	5.3	6.9	6.5	6.4
* PARAMOUNT	2	6.4	7.0	6.9	7.1	6.8	5.3	5.4	7.0	6.7	6.4
DLFPS-321/3693	3	6.5	7.1	6.9	7.0	6.6	5.4	5.4	6.9	6.7	6.4
RH3	73	6.5	7.2	6.8	7.0	6.5	5.4	5.5	6.9	6.7	6.4
* STEALTH (PPG-TF 238)	81	6.5	7.1	6.9	7.0	6.6	5.4	5.5	6.9	6.7	6.4
NT-3	8	6.4	7.1	7.0	7.0	6.6	5.3	5.5	6.9	6.7	6.4
RC4	79	6.5	7.1	6.9	7.0	6.5	5.4	5.5	6.9	6.7	6.4
5LSS	10	6.5	7.1	6.8	7.0	6.5	5.4	5.4	6.9	6.7	6.4
* SR 8700 (TMT1)	6	6.4	7.1	7.0	7.0	6.6	5.2	5.5	6.9	6.7	6.4
* OKEEFE (LTP-TF-122)	29	6.4	7.1	6.8	7.0	6.6	5.4	5.4	6.9	6.7	6.4
DLFPS-321/3703	36	6.4	7.0	6.9	7.1	6.9	5.3	5.3	7.0	6.6	6.4
* BENTLEY (DLFPS-321/3679)	16	6.4	7.0	7.0	7.0	6.8	5.2	5.4	7.0	6.6	6.4
K18-NSE	32	6.5	7.1	6.8	7.0	6.5	5.5	5.4	6.9	6.6	6.4
* ENDGAME (3N1)	53	6.3	6.9	7.0	7.0	6.9	5.1	5.4	7.0	6.6	6.4
* PADRE 2	56	6.4	7.0	6.9	7.0	6.7	5.2	5.4	6.9	6.6	6.3
PST-SMCMO	39	6.3	6.9	7.1	6.9	6.7	5.0	5.4	6.9	6.7	6.3
GO-AOMK	101	6.0	6.6	6.7	6.8	6.7	4.8	5.1	6.8	6.3	6.3
JT 517	23	6.2	6.7	7.1	7.0	7.1	4.9	5.3	7.1	6.5	6.3
DLFPS-321/3694	4	6.3	6.9	6.9	7.0	6.7	5.2	5.3	6.9	6.6	6.3
* BULLSEYE	93	6.1	6.6	7.0	6.8	6.9	4.7	5.2	6.9	6.4	6.3
PST-SGLBS	49	6.2	6.9	7.1	6.9	6.7	4.9	5.4	6.9	6.7	6.3
JT 233	74	6.3	7.0	6.8	6.9	6.5	5.3	5.3	6.8	6.6	6.3

TABLE 1.
(CONT'D)

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

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

NAME	ENTRY #	VA1	DE1	TN1	MI1	IA1	MO1	OK1	NE1	UT1	MEAN
* GRO-PRO (SE53D2)	106	6.0	6.6	6.8	6.7	6.6	4.7	5.1	6.7	6.4	6.3
* GLX ACED (PST-5DART)	50	6.3	6.9	6.9	6.8	6.5	5.1	5.3	6.8	6.6	6.3
* LIFE GUARD	44	6.2	6.8	7.0	6.9	6.7	4.9	5.3	6.9	6.5	6.3
PST-5GQ	38	6.2	6.8	6.9	6.8	6.6	5.0	5.3	6.8	6.6	6.2
* AST8118LM	123	6.0	6.5	6.9	6.8	6.9	4.7	5.1	6.9	6.3	6.2
* GRANDE 3	21	6.2	6.8	7.0	6.8	6.7	4.9	5.3	6.9	6.5	6.2
PST-5TRN	37	6.2	6.8	6.9	6.8	6.7	4.9	5.3	6.8	6.6	6.2
SETFM2	110	6.0	6.5	6.9	6.8	6.9	4.7	5.1	6.9	6.3	6.2
PST-5E6	41	6.2	6.9	6.9	6.8	6.5	5.0	5.3	6.8	6.6	6.2
* BIRMINGHAM	100	5.9	6.5	6.7	6.7	6.7	4.7	5.0	6.7	6.2	6.2
SE5STAR	107	5.9	6.5	6.7	6.6	6.6	4.7	5.0	6.7	6.2	6.2
* BANDIT	54	6.0	6.5	7.0	6.9	7.1	4.7	5.2	7.0	6.4	6.2
RAD-TF131	114	5.9	6.5	6.8	6.7	6.9	4.6	5.0	6.9	6.2	6.2
A-TF31	125	5.9	6.5	6.7	6.6	6.6	4.7	5.0	6.7	6.2	6.2
PST-5DZM	48	6.1	6.7	6.9	6.8	6.8	4.8	5.2	6.9	6.4	6.2
* TANGO	52	6.1	6.7	6.9	6.8	6.8	4.8	5.2	6.9	6.4	6.2
PST-5BYOB	43	6.1	6.7	6.9	6.8	6.6	4.9	5.3	6.8	6.5	6.2
* AST8218LM	124	5.9	6.4	6.9	6.7	6.9	4.5	5.1	6.8	6.3	6.2
ATF2116	7	6.0	6.6	7.1	6.8	6.9	4.6	5.2	6.9	6.5	6.2
LBF	17	6.1	6.6	7.0	6.8	6.9	4.7	5.2	6.9	6.4	6.2
PST-5DC24	51	6.1	6.6	7.0	6.8	6.8	4.8	5.2	6.9	6.4	6.2
* BRAVO 2	57	6.1	6.7	6.8	6.8	6.8	4.9	5.1	6.8	6.4	6.2
* NATURALLY GREEN	1	6.0	6.5	7.0	6.8	7.0	4.6	5.2	7.0	6.4	6.2
ATF1768	12	6.1	6.7	7.0	6.8	6.7	4.8	5.2	6.8	6.5	6.2
* FAYETTE	22	6.1	6.7	6.7	6.8	6.6	5.0	5.1	6.8	6.4	6.2
PST-5THM	42	6.0	6.6	7.0	6.7	6.7	4.7	5.2	6.8	6.5	6.1
NAI-FQZ-17	58	6.0	6.6	6.9	6.8	6.9	4.7	5.1	6.9	6.3	6.1
* MOONDANCE GLX	46	6.0	6.6	6.9	6.7	6.7	4.7	5.2	6.8	6.4	6.1
BAR-FA8230	64	5.9	6.4	7.1	6.7	7.0	4.4	5.1	6.9	6.4	6.1
* COPIOUS TF	55	6.0	6.6	6.8	6.7	6.8	4.8	5.1	6.8	6.3	6.1
RAD-TF115 (TURBO SS)	97	5.9	6.4	6.8	6.6	6.8	4.5	4.9	6.8	6.2	6.1
* PRO GOLD	40	6.0	6.6	6.8	6.7	6.6	4.8	5.1	6.7	6.4	6.1
PST-5MINK	45	6.0	6.5	6.8	6.7	6.8	4.7	5.1	6.8	6.3	6.1
BGR-TF3	11	5.9	6.5	6.8	6.7	6.8	4.6	5.0	6.8	6.3	6.1
* ESCALADE	127	5.8	6.3	6.9	6.6	6.9	4.4	5.0	6.8	6.2	6.1
* MONUMENT (PST-5SQB)	47	5.9	6.5	6.7	6.6	6.5	4.6	5.0	6.6	6.3	6.0
* GRAND PRIX (FC15-01P)	131	5.7	6.2	6.7	6.4	6.5	4.3	4.8	6.5	6.1	6.0
BAR 9FE MAS	26	5.7	6.2	6.9	6.6	6.9	4.3	4.9	6.8	6.2	5.9
BAR FA 8228	27	5.7	6.2	6.9	6.5	6.8	4.2	4.9	6.7	6.2	5.9
* PALOMAR	126	5.6	6.1	6.8	6.4	6.7	4.2	4.8	6.6	6.1	5.9
* OG-WALK	128	5.6	6.1	6.9	6.4	6.8	4.1	4.8	6.7	6.1	5.9
* KENTUCKY-31	132	4.5	5.0	5.9	5.3	5.7	2.9	3.8	5.6	5.0	4.7
LSD VALUE		0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)		7.2	6.6	6.5	6.5	6.8	8.9	8.5	6.6	6.9	7.1

* COMMERCIALY 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 2.

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

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

NAME	ENTRY #	CT1	NJ2	MD1	NC1	GA1	MS1	IN1	KS1	MEAN
TITAN GLX (TF445)	129	6.5	6.9	7.0	6.1	6.5	4.0	6.2	4.6	6.7
SPYDER 2LS (ZRC1)	89	6.5	6.6	7.0	5.7	6.5	3.8	6.1	4.3	6.6
RAPTOR LS (PPG-TF 336)	87	6.5	6.4	7.0	5.4	6.4	3.6	6.0	4.1	6.4
SERENADE (PPG-TF 320)	119	6.4	6.4	6.9	5.8	6.5	3.8	6.1	4.4	6.4
RHL2	115	6.5	6.3	7.0	5.5	6.5	3.7	6.1	4.2	6.4
DAYBREAK (AH2)	69	6.6	7.3	7.1	6.3	6.6	4.2	6.3	4.7	6.4
TITANIUM G-LS (PPG-TF 255)	84	6.5	6.2	7.0	5.8	6.5	3.9	6.1	4.5	6.3
GO-RH20	99	6.4	6.2	6.9	5.7	6.5	3.8	6.1	4.3	6.3
GALACTIC (SESCR1)	108	6.3	6.3	6.8	5.7	6.4	3.8	6.0	4.3	6.3
RHF	117	6.3	6.2	6.8	5.7	6.3	3.7	5.9	4.3	6.2
CAPITAN (DLFPS-321/3705)	59	6.5	7.0	7.0	6.2	6.5	4.1	6.2	4.7	6.2
FIRECRACKER G-LS (PPG-TF 315)	86	6.4	6.0	6.9	5.4	6.4	3.6	6.0	4.1	6.2
AVENGER III (PPG-TF 308)	83	6.4	6.0	6.9	5.5	6.5	3.7	6.0	4.2	6.2
NAI-ROS4	103	6.4	6.0	6.8	5.4	6.4	3.6	5.9	4.1	6.2
K18-RS6	70	6.5	6.9	7.0	6.0	6.5	4.0	6.1	4.5	6.1
AH1	65	6.6	6.9	7.1	5.7	6.5	3.8	6.2	4.3	6.1
TITAN MAX (TF456)	130	6.2	6.0	6.8	5.7	6.4	3.7	5.9	4.3	6.1
TRIAD (PPG-TF 323)	120	6.4	5.8	6.9	5.5	6.5	3.7	6.0	4.2	6.1
TEACHER (PPG-TF 313)	118	6.4	5.8	6.9	5.3	6.4	3.6	6.0	4.1	6.1
ZION (BAR TF 134)	63	6.5	6.8	7.0	5.9	6.5	3.9	6.1	4.5	6.1
NAI-ST5	105	6.3	5.9	6.8	5.5	6.4	3.7	5.9	4.2	6.1
PPG-TF 262	67	6.6	6.5	7.1	5.7	6.6	3.8	6.2	4.4	6.1
TANK (PPG-TF 338)	121	6.4	5.8	6.9	5.2	6.4	3.5	5.9	4.0	6.1
ROVER (PPG-TF 306)	91	6.3	5.8	6.8	5.3	6.4	3.5	5.9	4.1	6.0
PPG-TF 312	85	6.2	5.8	6.7	4.9	6.1	3.2	5.7	3.7	6.0
FIRENZA II (PPG-TF 244)	76	6.4	6.5	6.9	5.9	6.5	3.9	6.1	4.4	6.0
BULLSEYE LTZ	96	6.3	5.7	6.8	5.3	6.4	3.5	5.9	4.0	6.0
BONFIRE (JS DTT)	24	6.4	6.5	6.9	6.0	6.4	3.9	6.1	4.5	6.0
TD2	18	6.4	6.4	6.9	5.9	6.5	3.9	6.1	4.4	6.0
PPG-TF 337	88	6.3	5.7	6.9	5.5	6.4	3.7	5.9	4.2	6.0
PPG-TF 318	92	6.1	5.9	6.6	5.8	6.3	3.8	5.8	4.4	6.0
XANADU (JT 268)	75	6.4	6.3	6.9	5.8	6.5	3.9	6.1	4.4	6.0
COL-TF-148	28	6.4	6.5	6.9	5.6	6.4	3.7	6.0	4.2	5.9
DLFPS-321/3707	61	6.4	6.4	6.9	5.6	6.4	3.7	6.0	4.3	5.9
GALLARDO (DLFPS-TF/3550)	13	6.4	6.4	6.9	5.6	6.4	3.7	6.0	4.2	5.9
DRAGSTER	98	6.1	5.7	6.7	5.6	6.3	3.7	5.8	4.2	5.9
DYNAMITE G-LS (PPG-TF 254)	82	6.4	6.3	6.9	5.5	6.4	3.7	6.0	4.2	5.9
PPG-TF 316	78	6.4	6.1	6.9	5.5	6.5	3.7	6.0	4.2	5.9
RH3	73	6.4	6.3	6.9	5.4	6.4	3.6	6.0	4.1	5.9
RS1	9	6.3	6.2	6.8	5.6	6.4	3.7	6.0	4.2	5.9
DEGAS (LTP-TF-111)	30	6.3	6.0	6.8	5.6	6.4	3.7	6.0	4.3	5.8
RDC	25	6.4	6.2	6.9	5.4	6.4	3.6	5.9	4.1	5.8
SYMPHONY (PPG-TF 305)	77	6.3	6.0	6.8	5.5	6.4	3.7	6.0	4.2	5.8
ESSENTIAL 2 (DLFPS-TF/3552)	14	6.4	6.1	6.9	5.4	6.4	3.6	5.9	4.1	5.8
RH1	72	6.3	5.8	6.8	5.5	6.4	3.7	6.0	4.2	5.8
NT-3	8	6.3	6.0	6.8	5.6	6.3	3.7	5.9	4.2	5.8

TABLE 2.
(CONT'D)

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

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

NAME	ENTRY #	CT1	NJ2	MD1	NC1	GA1	MS1	IN1	KS1	MEAN
K18-WB1	71	6.4	6.0	6.9	5.4	6.4	3.6	5.9	4.1	5.8
SR 8700 (TMT1)	6	6.2	6.0	6.7	5.6	6.3	3.7	5.9	4.2	5.8
PPG-TF 267	68	6.5	5.8	6.9	5.3	6.4	3.5	6.0	4.1	5.8
STEALTH (PPG-TF 238)	81	6.3	6.1	6.8	5.4	6.3	3.6	5.9	4.1	5.8
FASTLANE (BY-TF-169)	33	6.4	5.8	6.9	5.4	6.4	3.6	5.9	4.1	5.8
5LSS	10	6.4	6.1	6.9	5.2	6.3	3.4	5.9	3.9	5.7
RC4	79	6.3	6.1	6.8	5.3	6.3	3.5	5.9	4.0	5.7
DLFPS-321/3708	62	6.3	5.7	6.9	5.3	6.4	3.6	5.9	4.1	5.7
PST-5E6	41	6.0	6.0	6.5	5.8	6.2	3.8	5.8	4.3	5.7
PPG-TF 249	66	6.3	5.7	6.8	5.2	6.3	3.5	5.9	4.0	5.7
PST-5GLBS	49	5.9	5.5	6.5	5.9	6.2	3.9	5.7	4.4	5.7
GLX ACED (PST-5DART)	50	6.1	5.9	6.6	5.6	6.2	3.6	5.8	4.2	5.7
DLFPS-TF/3553	15	6.4	5.6	6.8	5.1	6.4	3.4	5.9	4.0	5.7
DLFPS-321/3706	60	6.2	5.5	6.8	5.3	6.3	3.5	5.8	4.1	5.6
PPG-TF 257	80	6.3	5.5	6.8	5.2	6.3	3.5	5.8	4.0	5.6
PST-5MCMO	39	6.0	5.5	6.5	5.7	6.2	3.8	5.7	4.3	5.6
DLFPS-321/3695	5	6.3	5.5	6.8	5.2	6.3	3.4	5.8	4.0	5.6
HOUND DOG NINE (DLFPS-321/3702)	35	6.5	5.6	6.9	4.9	6.4	3.3	5.9	3.8	5.6
BLADERUNNER 3 (DLFPS-321/3701)	34	6.3	5.5	6.8	5.1	6.4	3.4	5.9	3.9	5.6
DLFPS-321/3693	3	6.3	5.7	6.8	5.1	6.3	3.4	5.8	3.9	5.6
OKEEFE (LTP-TF-122)	29	6.3	5.7	6.8	5.0	6.3	3.3	5.8	3.8	5.6
TALLADEGA II (NAI-3N2)	102	6.1	5.1	6.6	4.7	6.1	3.1	5.6	3.6	5.6
KIZZLE (K18-ROE)	31	6.2	5.3	6.7	5.3	6.3	3.5	5.8	4.1	5.6
K18-NSE	32	6.3	5.7	6.8	4.8	6.2	3.2	5.8	3.7	5.6
ROWDIER (DLFPS-321/3699)	20	6.2	5.2	6.7	5.2	6.3	3.5	5.8	4.0	5.5
HEMI	95	6.0	5.0	6.6	5.2	6.2	3.4	5.7	4.0	5.5
PST-5GQ	38	5.9	5.3	6.5	5.4	6.1	3.5	5.6	4.1	5.5
JT 233	74	6.2	5.5	6.7	5.0	6.2	3.2	5.7	3.8	5.5
PST-5TRN	37	5.9	5.3	6.4	5.4	6.1	3.5	5.6	4.1	5.5
PPG-TF 231	90	6.2	4.8	6.7	4.5	6.1	3.0	5.6	3.5	5.5
RAD-TF105	113	5.9	5.0	6.4	5.0	6.0	3.3	5.5	3.8	5.5
RAPTOR III	116	6.0	4.9	6.6	5.1	6.2	3.4	5.6	3.9	5.5
FIREHAWK SLT	94	6.0	4.8	6.6	5.1	6.2	3.4	5.6	3.9	5.4
RACEWAY (DLFPS-321/3696)	19	6.2	5.1	6.7	4.9	6.2	3.2	5.7	3.8	5.4
PARAMOUNT	2	6.2	5.1	6.7	4.9	6.2	3.2	5.7	3.8	5.4
BENTLEY (DLFPS-321/3679)	16	6.1	5.0	6.6	5.0	6.2	3.3	5.7	3.9	5.4
PST-5BYOB	43	5.8	5.2	6.4	5.4	6.1	3.5	5.6	4.1	5.4
PST-5THM	42	5.7	5.0	6.2	5.7	6.0	3.7	5.5	4.3	5.4
PADRE 2	56	6.1	5.1	6.6	4.9	6.2	3.2	5.6	3.8	5.4
GRANDE 3	21	5.8	5.0	6.4	5.4	6.1	3.5	5.6	4.1	5.4
LIFEGUARD	44	5.8	4.9	6.4	5.3	6.1	3.5	5.5	4.0	5.4
3B2	112	5.9	4.8	6.5	5.1	6.1	3.3	5.6	3.9	5.3
ATF1768	12	5.7	4.9	6.3	5.4	6.0	3.5	5.5	4.1	5.3
DLFPS-321/3694	4	6.0	4.9	6.5	4.8	6.1	3.2	5.6	3.7	5.3
ESTRENA	122	5.9	4.7	6.4	4.3	5.9	2.8	5.4	3.3	5.3
FAIRFIELD (SETF104)	109	5.9	4.6	6.4	4.9	6.1	3.2	5.5	3.8	5.3

TABLE 2.
(CONT'D)

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

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

NAME	ENTRY #	CT1	NJ2	MD1	NC1	GA1	MS1	IN1	KS1	MEAN
MOONDANCE GLX	46	5.7	4.7	6.2	5.3	6.0	3.4	5.4	4.0	5.2
ENDGAME (3N1)	53	6.0	4.4	6.5	4.8	6.1	3.2	5.5	3.7	5.2
GRO-PRO (SE53D2)	106	5.7	4.8	6.2	5.1	5.9	3.3	5.4	3.9	5.2
ATF2116	7	5.5	4.2	6.1	5.4	6.0	3.5	5.4	4.1	5.2
TOUGH (NAI-TUE)	104	5.9	4.4	6.4	5.1	6.1	3.4	5.5	3.9	5.2
PRO GOLD	40	5.7	4.7	6.2	5.0	5.9	3.2	5.4	3.8	5.2
PST-5DC24	51	5.7	4.4	6.2	5.1	6.0	3.3	5.4	3.9	5.1
MONUMENT (PST-5SQB)	47	5.6	4.7	6.1	5.1	5.8	3.2	5.3	3.8	5.1
PST-5DZM	48	5.7	4.4	6.3	4.9	6.0	3.2	5.4	3.8	5.1
DLFPS-321/3703	36	6.1	4.2	6.6	4.2	6.1	2.8	5.5	3.3	5.0
FAYETTE	22	5.8	4.5	6.3	4.5	5.9	2.9	5.3	3.4	5.0
TANGO	52	5.7	4.2	6.2	4.7	5.9	3.1	5.3	3.6	5.0
JT 517	23	5.7	3.7	6.3	4.8	6.0	3.2	5.3	3.8	5.0
SETFM3	111	5.7	4.2	6.3	5.0	6.0	3.3	5.4	3.8	5.0
LBF	17	5.6	3.9	6.2	4.8	5.9	3.1	5.3	3.7	5.0
PST-5MINK	45	5.5	4.0	6.1	4.7	5.8	3.0	5.2	3.6	4.9
BRAVO 2	57	5.7	3.9	6.2	4.5	5.9	2.9	5.2	3.5	4.9
BAR-FA8230	64	5.3	3.4	5.9	5.1	5.8	3.3	5.1	3.9	4.9
COPIOUS TF	55	5.6	3.8	6.1	4.5	5.8	2.9	5.2	3.4	4.8
NATURALLY GREEN	1	5.5	3.4	6.1	4.7	5.9	3.1	5.2	3.7	4.8
SE5STAR	107	5.5	4.1	6.1	4.6	5.8	2.9	5.2	3.5	4.8
BGR-TF3	11	5.5	3.6	6.0	4.5	5.8	2.9	5.1	3.5	4.8
A-TF31	125	5.5	4.0	6.1	4.6	5.7	2.9	5.1	3.5	4.8
NAI-FQZ-17	58	5.6	3.5	6.1	4.4	5.8	2.8	5.1	3.4	4.8
GO-AOMK	101	5.6	3.8	6.2	4.2	5.8	2.7	5.2	3.3	4.7
BULLSEYE	93	5.6	3.9	6.1	4.8	5.9	3.1	5.3	3.7	4.7
BANDIT	54	5.5	3.1	6.1	4.4	5.8	2.9	5.1	3.5	4.7
BAR FA 8228	27	5.1	3.2	5.7	4.9	5.6	3.1	4.9	3.7	4.7
BAR 9FE MAS	26	5.1	3.1	5.7	4.8	5.6	3.0	4.9	3.6	4.6
BIRMINGHAM	100	5.5	3.7	6.1	4.3	5.7	2.7	5.1	3.3	4.6
GRAND PRIX (FC15-01P)	131	5.2	3.8	5.8	4.7	5.6	2.9	5.0	3.5	4.5
SETFM2	110	5.5	3.3	6.0	4.4	5.8	2.8	5.1	3.4	4.4
AST8218LM	124	5.4	3.4	6.0	4.6	5.8	3.0	5.1	3.6	4.4
AST8118LM	123	5.5	3.2	6.0	4.3	5.8	2.8	5.0	3.3	4.3
RAD-TF115 (TURBO SS)	97	5.3	3.1	5.9	4.2	5.6	2.7	4.9	3.3	4.2
RAD-TF131	114	5.4	2.9	6.0	4.0	5.7	2.6	4.9	3.2	4.2
ESCALADE	127	5.2	3.1	5.8	4.7	5.7	3.0	4.9	3.6	4.1
PALOMAR	126	5.0	3.2	5.6	4.7	5.5	2.9	4.8	3.6	4.1
OG-WALK	128	5.0	3.0	5.6	4.8	5.5	3.0	4.8	3.6	4.0
KENTUCKY-31	132	3.8	2.1	4.5	4.1	4.5	2.2	3.8	2.8	2.9
LSD VALUE		0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)		7.5	8.7	6.9	8.7	7.4	13.3	8.0	11.5	8.3

* 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 3. TURFGRASS QUALITY RATINGS OF TALL 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	NJ1	OR1	ON1	MEAN
HOUNDG NINE (DLFPS-321/3702)	35	7.1	7.7	6.2	6.9	7.0
K18-NSE	32	6.9	7.7	6.0	6.7	6.8
PPG-TF 267	68	7.0	7.1	6.1	6.9	6.8
PPG-TF 231	90	7.0	7.3	6.0	6.8	6.8
DLFPS-321/3703	36	7.0	7.2	6.0	6.8	6.8
PPG-TF 262	67	7.0	7.0	6.2	6.8	6.7
AH1	65	6.8	7.3	6.1	6.7	6.7
RAPTOR LS (PPG-TF 336)	87	6.8	7.2	6.0	6.7	6.7
BLADERUNNER 3 (DLFPS-321/3701)	34	7.0	6.9	6.1	6.8	6.7
5LSS	10	6.8	7.3	6.0	6.6	6.7
DLFPS-TF/3553	15	7.0	6.9	6.0	6.8	6.7
RHL2	115	6.9	7.1	6.1	6.7	6.7
OKEEFE (LTP-TF-122)	29	6.8	7.2	6.0	6.7	6.7
TANK (PPG-TF 338)	121	6.9	7.0	6.0	6.8	6.7
FIRECRACKER G-LS (PPG-TF 315)	86	6.9	6.9	6.0	6.7	6.6
PPG-TF 316	78	6.9	6.8	6.0	6.7	6.6
TEACHER (PPG-TF 313)	118	7.0	6.8	6.1	6.8	6.6
PPG-TF 312	85	6.7	7.3	5.9	6.5	6.6
DLFPS-321/3695	5	6.9	6.7	6.0	6.7	6.6
RH3	73	6.8	7.0	5.9	6.6	6.6
RACEWAY (DLFPS-321/3696)	19	6.9	6.8	5.9	6.7	6.6
RC4	79	6.8	7.0	5.9	6.6	6.6
DLFPS-321/3693	3	6.8	6.9	5.9	6.7	6.6
SPYDER 2LS (ZRC1)	89	6.8	6.9	6.0	6.7	6.6
DYNAMITE G-LS (PPG-TF 254)	82	6.8	6.8	6.0	6.7	6.6
DLFPS-321/3708	62	6.9	6.6	6.0	6.7	6.6
PPG-TF 249	66	6.9	6.7	6.0	6.7	6.6
K18-WB1	71	6.8	6.8	6.0	6.7	6.6
RDC	25	6.8	6.9	5.9	6.6	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	14	6.8	6.8	6.0	6.6	6.6
FASTLANE (BY-TF-169)	33	6.9	6.6	6.0	6.7	6.5
PARAMOUNT	2	6.9	6.7	5.9	6.7	6.5
DLFPS-321/3707	61	6.8	6.7	6.0	6.7	6.5
BULLSEYE LTZ	96	6.9	6.7	6.0	6.7	6.5
GALLARDO (DLFPS-TF/3550)	13	6.8	6.8	6.0	6.6	6.5
AVENGER III (PPG-TF 308)	83	6.9	6.6	6.1	6.8	6.5
TALLADEGA II (NAI-3N2)	102	6.8	6.9	5.9	6.6	6.5
ROVER (PPG-TF 306)	91	6.9	6.7	6.0	6.7	6.5
COL-TF-148	28	6.7	6.8	5.9	6.6	6.5
PPG-TF 257	80	6.9	6.4	6.0	6.7	6.5
STEALTH (PPG-TF 238)	81	6.8	6.7	5.9	6.6	6.5
JT 233	74	6.7	6.8	5.8	6.6	6.5
ESTRENA	122	6.7	7.0	5.7	6.5	6.5
NAI-ROS4	103	6.8	6.7	6.0	6.7	6.5
TRIAD (PPG-TF 323)	120	6.9	6.5	6.0	6.8	6.5
DAYBREAK (AH2)	69	6.7	6.5	6.0	6.6	6.5

TABLE 3.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL 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	NJ1	OR1	ON1	MEAN
SYMPHONY (PPG-TF 305)	77	6.8	6.4	5.9	6.7	6.4
GO-RH20	99	6.8	6.5	6.0	6.7	6.4
PADRE 2	56	6.8	6.5	5.8	6.6	6.4
DLFPS-321/3706	60	6.8	6.3	5.9	6.7	6.4
ZION (BAR TF 134)	63	6.7	6.4	5.9	6.6	6.4
RH1	72	6.8	6.2	5.9	6.7	6.4
RS1	9	6.7	6.5	5.9	6.6	6.4
SERENADE (PPG-TF 320)	119	6.8	6.4	6.0	6.7	6.4
PPG-TF 337	88	6.9	6.3	6.0	6.8	6.4
TD2	18	6.8	6.2	6.0	6.6	6.4
DEGAS (LTP-TF-111)	30	6.8	6.2	5.9	6.6	6.4
FIRENZA II (PPG-TF 244)	76	6.7	6.2	5.9	6.6	6.4
DLFPS-321/3694	4	6.8	6.3	5.8	6.6	6.4
TITANIUM G-LS (PPG-TF 255)	84	6.9	6.2	6.0	6.7	6.4
ROWDIER (DLFPS-321/3699)	20	6.8	6.0	5.9	6.7	6.4
KIZZLE (K18-ROE)	31	6.8	6.0	5.9	6.6	6.3
BENTLEY (DLFPS-321/3679)	16	6.8	6.1	5.8	6.6	6.3
XANADU (JT 268)	75	6.8	6.0	5.9	6.6	6.3
K18-RS6	70	6.6	6.2	5.9	6.5	6.3
NAI-ST5	105	6.8	6.2	5.9	6.7	6.3
ENDGAME (3N1)	53	6.8	5.9	5.8	6.7	6.3
NT-3	8	6.7	6.1	5.8	6.5	6.3
FAYETTE	22	6.6	6.3	5.7	6.5	6.3
CAPITAN (DLFPS-321/3705)	59	6.6	6.0	5.9	6.5	6.2
GALACTIC (SESCR1)	108	6.7	6.2	5.8	6.5	6.2
TITAN GLX (TF445)	129	6.7	6.1	5.9	6.5	6.2
BONFIRE (JS DTT)	24	6.6	5.9	5.8	6.5	6.2
SR 8700 (TMT1)	6	6.7	5.9	5.8	6.5	6.2
RHF	117	6.6	6.0	5.8	6.5	6.1
FIREHAWK SLT	94	6.8	5.8	5.8	6.7	6.1
TITAN MAX (TF456)	130	6.7	5.9	5.8	6.5	6.1
RAPTOR III	116	6.8	5.7	5.8	6.6	6.1
HEMI	95	6.8	5.7	5.8	6.6	6.1
BRAVO 2	57	6.6	5.5	5.6	6.5	6.1
GO-AOMK	101	6.6	5.8	5.6	6.5	6.0
GLX ACED (PST-5DART)	50	6.5	5.5	5.6	6.3	6.0
3B2	112	6.7	5.5	5.7	6.5	6.0
DRAGSTER	98	6.6	5.5	5.7	6.5	5.9
TANGO	52	6.6	5.2	5.5	6.4	5.9
FAIRFIELD (SETF104)	109	6.7	5.5	5.7	6.5	5.9
RAD-TF105	113	6.5	5.7	5.6	6.4	5.9
COPIOUS TF	55	6.6	5.3	5.5	6.4	5.9
NAI-FQZ-17	58	6.6	5.1	5.5	6.4	5.9
PST-5GQ	38	6.5	5.2	5.6	6.4	5.9
JT 517	23	6.7	4.7	5.6	6.6	5.9
PST-5DZM	48	6.5	5.0	5.5	6.4	5.9

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL 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	NJ1	OR1	ON1	MEAN
PST-5TRN	37	6.5	5.0	5.5	6.3	5.8
LIFEGUARD	44	6.5	4.8	5.5	6.4	5.8
PST-5MCMO	39	6.5	4.7	5.6	6.4	5.8
TOUGH (NAI-TUE)	104	6.7	5.0	5.7	6.6	5.8
BANDIT	54	6.7	4.5	5.5	6.5	5.8
GRANDE 3	21	6.5	4.7	5.5	6.4	5.8
PST-5E6	41	6.4	4.9	5.5	6.2	5.8
BIRMINGHAM	100	6.5	5.3	5.4	6.3	5.8
PRO GOLD	40	6.4	4.9	5.4	6.3	5.8
PST-5BYOB	43	6.4	4.8	5.5	6.3	5.8
LBF	17	6.5	4.6	5.5	6.4	5.7
RAD-TF131	114	6.6	5.1	5.5	6.5	5.7
PPG-TF 318	92	6.5	5.0	5.6	6.4	5.7
BGR-TF3	11	6.5	4.6	5.4	6.3	5.7
PST-5MINK	45	6.4	4.6	5.4	6.3	5.7
PST-5DC24	51	6.5	4.5	5.4	6.3	5.7
AST8118LM	123	6.6	4.9	5.5	6.4	5.6
PST-5GLBS	49	6.4	4.3	5.5	6.3	5.6
SETFM3	111	6.6	4.7	5.5	6.4	5.6
NATURALLY GREEN	1	6.5	4.0	5.4	6.4	5.6
A-TF31	125	6.4	5.0	5.3	6.2	5.6
SETFM2	110	6.6	4.7	5.4	6.4	5.6
MONUMENT (PST-5SQB)	47	6.2	4.6	5.3	6.1	5.6
SE5STAR	107	6.4	4.9	5.4	6.2	5.6
ATF1768	12	6.4	4.2	5.4	6.2	5.5
MOONDANCE GLX	46	6.3	4.2	5.4	6.2	5.5
BULLSEYE	93	6.5	4.4	5.4	6.4	5.5
GRO-PRO (SE53D2)	106	6.3	4.6	5.4	6.2	5.4
RAD-TF115 (TURBO SS)	97	6.4	4.5	5.3	6.3	5.4
PST-5THM	42	6.3	3.6	5.3	6.2	5.3
ATF2116	7	6.4	3.3	5.3	6.2	5.3
AST8218LM	124	6.4	4.1	5.3	6.3	5.3
BAR-FA8230	64	6.4	3.0	5.2	6.2	5.2
BAR 9FE MAS	26	6.2	2.9	5.1	6.1	5.1
GRAND PRIX (FC15-01P)	131	6.1	3.7	5.0	6.0	4.9
BAR FA 8228	27	6.1	2.7	5.0	6.0	4.9
ESCALADE	127	6.3	3.3	5.1	6.2	4.9
PALOMAR	126	6.0	2.8	4.9	5.9	4.6
OG-WALK	128	6.0	2.4	4.9	5.9	4.4
KENTUCKY-31	132	4.8	0.2	3.6	4.7	2.9
LSD VALUE		0.7	0.7	0.7	0.7	0.7
C.V. (%)		6.8	7.9	7.9	7.0	7.4

* 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 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FOUR LOCATIONS 1/
IN THE NORTHEAST REGION
2021 DATA

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

NAME	CT1	NJ1	NJ2	PA2	MEAN
AH1	6.9	7.3	7.0	7.1	7.1
DAYBREAK (AH2)	7.0	6.0	7.7	7.1	7.0
PPG-TF 262	6.9	7.1	6.2	6.9	6.8
RAPTOR LS (PPG-TF 336)	6.3	7.0	6.7	6.9	6.7
COL-TF-148	6.2	6.8	6.9	6.7	6.7
RDC	6.6	6.9	6.3	6.9	6.7
K18-NSE	6.5	7.7	5.9	6.6	6.7
OKEEFE (LTP-TF-122)	6.6	7.0	5.9	7.1	6.7
ZION (BAR TF 134)	6.6	6.7	6.7	6.6	6.7
RH3	6.3	7.2	6.3	6.7	6.6
SPYDER 2LS (ZRC1)	6.4	6.8	6.8	6.6	6.6
DLFPS-321/3707	6.4	7.0	6.3	6.9	6.6
K18-RS6	6.7	6.2	7.0	6.7	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	6.4	7.0	6.2	7.0	6.6
DLFPS-321/3693	7.0	6.6	5.9	6.9	6.6
5LSS	6.7	7.3	6.1	6.3	6.6
GALLARDO (DLFPS-TF/3550)	6.3	6.9	6.3	7.0	6.6
RHL2	6.5	7.2	6.2	6.5	6.6
RC4	6.1	7.3	6.1	6.9	6.6
TITAN GLX (TF445)	6.5	6.4	6.7	6.7	6.6
FIRENZA II (PPG-TF 244)	6.7	6.3	6.4	7.0	6.6
HOUNDOG NINE (DLFPS-321/3702)	6.0	8.0	5.4	6.9	6.6
CAPITAN (DLFPS-321/3705)	6.6	6.1	7.0	6.5	6.6
GO-RH20	6.7	6.4	6.2	6.9	6.6
PPG-TF 312	6.8	6.9	6.3	6.2	6.5
SERENADE (PPG-TF 320)	6.6	6.4	6.3	6.8	6.5
PPG-TF 316	6.0	6.8	6.2	7.1	6.5
K18-WB1	6.4	6.9	6.0	6.7	6.5
TD2	6.7	6.2	6.2	6.8	6.5
GALACTIC (SESCR1)	6.4	6.0	6.6	7.0	6.5
RHF	6.7	5.8	6.3	7.1	6.5
DLFPS-TF/3553	6.4	7.1	5.4	7.0	6.5
FIRECRACKER G-LS (PPG-TF 315)	6.1	6.9	6.0	6.8	6.5
RS1	6.4	6.4	6.4	6.6	6.5
TANK (PPG-TF 338)	6.2	7.4	5.3	6.9	6.4
DYNAMITE G-LS (PPG-TF 254)	6.0	7.0	6.2	6.6	6.4
TEACHER (PPG-TF 313)	6.5	6.5	6.0	6.8	6.4
NAI-ROS4	6.0	6.5	6.2	7.0	6.4
DLFPS-321/3695	6.4	6.7	5.6	7.0	6.4
DLFPS-321/3708	6.4	6.7	5.8	6.9	6.4
AVENGER III (PPG-TF 308)	6.6	6.6	5.9	6.6	6.4
PPG-TF 267	6.5	7.3	5.3	6.6	6.4
BULLSEYE LTZ	6.2	6.8	5.6	7.0	6.4
ROVER (PPG-TF 306)	6.3	7.0	5.6	6.7	6.4

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT FOUR LOCATIONS 1/
IN THE NORTHEAST REGION
2021 DATA

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

NAME	CT1	NJ1	NJ2	PA2	MEAN
STEALTH (PPG-TF 238)	6.4	6.7	5.9	6.6	6.4
DEGAS (LTP-TF-111)	6.3	6.1	6.1	6.9	6.4
NT-3	6.9	6.0	6.0	6.6	6.4
NAI-ST5	6.5	6.0	5.8	7.0	6.4
BONFIRE (JS DTT)	6.5	5.9	6.6	6.4	6.3
SYMPHONY (PPG-TF 305)	6.1	6.0	6.0	7.2	6.3
TRIAD (PPG-TF 323)	6.2	6.6	5.7	6.8	6.3
PPG-TF 249	6.1	6.7	5.7	6.9	6.3
PPG-TF 231	6.5	7.2	4.7	6.8	6.3
TITANIUM G-LS (PPG-TF 255)	6.2	6.3	6.0	6.7	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.2	7.1	5.2	6.7	6.3
JT 233	6.0	6.8	5.7	6.6	6.3
SR 8700 (TMT1)	6.3	5.5	6.3	7.0	6.3
PARAMOUNT	6.7	6.6	5.0	6.8	6.3
DLFPS-321/3706	6.7	6.2	5.5	6.7	6.3
TALLADEGA II (NAI-3N2)	6.0	6.7	5.1	7.0	6.2
FASTLANE (BY-TF-169)	5.8	6.3	6.1	6.7	6.2
XANADU (JT 268)	6.0	5.9	6.1	6.9	6.2
RH1	5.8	6.7	5.4	6.9	6.2
PPG-TF 257	6.2	6.5	5.4	6.6	6.2
RACEWAY (DLFPS-321/3696)	5.7	7.0	5.0	6.9	6.2
PPG-TF 337	6.4	6.1	5.4	6.8	6.2
TITAN MAX (TF456)	6.2	6.1	5.7	6.5	6.1
ROWDIER (DLFPS-321/3699)	6.1	6.0	5.4	6.9	6.1
PADRE 2	6.0	6.5	5.0	6.7	6.1
DLFPS-321/3694	6.0	5.9	5.4	6.9	6.1
KIZZLE (K18-ROE)	6.2	6.1	5.0	6.9	6.0
DLFPS-321/3703	5.9	7.6	3.8	6.8	6.0
GLX ACED (PST-5DART)	6.0	5.5	6.0	6.6	6.0
BENTLEY (DLFPS-321/3679)	6.5	6.3	4.7	6.4	6.0
PPG-TF 318	6.2	4.7	6.4	6.7	6.0
ESTRENA	6.0	6.8	4.8	6.4	6.0
DRAGSTER	5.9	5.4	5.9	6.7	6.0
HEMI	6.4	5.5	5.0	6.6	5.9
RAPTOR III	6.0	5.7	5.0	6.7	5.9
PST-5MCMO	6.0	5.0	5.3	6.9	5.8
RAD-TF105	5.7	5.6	5.2	6.6	5.8
PST-5GQ	6.0	5.3	5.4	6.5	5.8
ENDGAME (3N1)	5.6	6.0	4.3	7.2	5.8
PST-5E6	5.6	5.2	5.9	6.3	5.8
FAIRFIELD (SETF104)	6.3	5.6	4.5	6.6	5.7
3B2	5.7	5.4	4.9	6.9	5.7
FAYETTE	5.8	6.2	4.4	6.4	5.7
FIREHAWK SLT	5.8	5.8	4.7	6.6	5.7
PST-5GLBS	6.0	4.4	5.4	6.5	5.6

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT FOUR LOCATIONS 1/
IN THE NORTHEAST REGION
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				MEAN
	CT1	NJ1	NJ2	PA2	
GRANDE 3	6.1	4.2	5.3	6.7	5.6
COPIOUS TF	6.0	5.0	4.1	6.9	5.5
GO-AOMK	5.1	6.2	3.9	6.8	5.5
PST-5TRN	5.4	5.0	5.3	6.2	5.5
TOUGH (NAI-TUE)	5.8	4.7	4.5	7.0	5.5
TANGO	5.7	5.3	4.2	6.5	5.4
PST-5BYOB	5.4	4.9	4.9	6.5	5.4
GRO-PRO (SE53D2)	5.7	4.5	4.9	6.5	5.4
LIFEGUARD	5.3	4.8	4.8	6.5	5.4
BRAVO 2	5.4	5.8	3.7	6.6	5.4
BULLSEYE	6.3	4.2	4.1	6.8	5.3
PST-5DZM	5.6	5.0	4.4	6.4	5.3
A-TF31	5.5	5.0	4.1	6.7	5.3
SETFM3	6.0	4.8	4.0	6.5	5.3
MONUMENT (PST-5SQB)	5.6	4.7	4.6	6.3	5.3
PST-5MINK	5.9	4.6	4.0	6.6	5.3
JT 517	6.1	4.5	3.5	6.9	5.2
NAI-FQZ-17	5.9	5.3	3.2	6.6	5.2
PST-5DC24	5.5	4.5	4.3	6.6	5.2
ATF1768	5.8	4.0	5.0	6.2	5.2
PRO GOLD	5.1	5.0	4.6	6.1	5.2
BIRMINGHAM	5.1	5.6	3.6	6.5	5.2
MOONDANCE GLX	5.8	4.0	4.7	6.3	5.2
SE5STAR	5.3	5.3	3.9	6.3	5.2
LBF	5.5	4.5	4.0	6.7	5.2
BGR-TF3	5.7	4.6	3.8	6.5	5.1
SETFM2	5.3	4.7	3.5	6.9	5.1
AST8118LM	5.5	5.0	3.2	6.7	5.1
PST-5THM	5.5	3.7	4.9	6.3	5.1
RAD-TF131	5.6	5.1	3.0	6.6	5.1
NATURALLY GREEN	5.8	4.0	3.5	6.7	5.0
RAD-TF115 (TURBO SS)	5.5	4.1	3.6	6.8	5.0
BANDIT	5.7	4.3	3.1	6.9	5.0
ATF2116	5.5	3.4	4.0	6.6	4.9
AST8218LM	5.1	3.9	3.6	6.5	4.8
GRAND PRIX (FC15-01P)	5.0	3.8	3.6	6.0	4.6
ESCALADE	5.4	3.2	3.1	6.3	4.5
BAR-FA8230	5.2	2.9	3.4	6.3	4.5
BAR 9FE MAS	5.3	2.4	3.8	6.4	4.5
PALOMAR	4.9	2.7	3.6	6.4	4.4
BAR FA 8228	4.9	2.8	3.2	6.0	4.2
OG-WALK	5.2	2.2	3.3	5.8	4.1
KENTUCKY-31	3.7	1.1	1.1	3.0	2.2
LSD VALUE	0.7	1.4	0.9	0.4	0.5
C.V. (%)	7.7	14.7	11.0	4.0	9.8

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

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT EIGHT LOCATIONS 1/
IN THE TRANSITION REGION
2021 DATA

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

NAME	DE1	KS1	MD1	MO1	NC1	OK1	TN1	VA1	MEAN
TITANIUM G-LS (PPG-TF 255)	7.3	4.4	7.3	5.8	6.3	5.7	7.2	6.8	6.3
DAYBREAK (AH2)	7.7	4.5	7.3	5.9	5.8	5.6	7.2	6.4	6.3
PPG-TF 262	7.4	4.7	7.3	5.8	5.8	5.5	7.2	6.6	6.3
TITAN GLX (TF445)	7.3	5.1	6.6	5.0	6.2	5.5	7.3	7.2	6.3
SERENADE (PPG-TF 320)	7.1	4.5	7.0	5.8	5.8	5.6	7.1	6.9	6.2
GO-RH20	7.3	4.2	6.8	6.1	6.1	5.6	7.0	6.6	6.2
CAPITAN (DLFPS-321/3705)	7.3	4.5	7.0	5.0	6.8	5.5	7.3	6.3	6.2
TD2	7.5	4.5	6.9	5.1	5.8	5.6	7.0	7.2	6.2
K18-RS6	7.3	4.9	7.0	5.5	5.9	5.2	7.2	6.2	6.2
PPG-TF 337	7.4	4.3	7.2	5.8	5.2	5.5	7.1	6.6	6.1
TANK (PPG-TF 338)	7.0	4.5	6.7	6.0	5.7	5.4	7.3	6.4	6.1
RHL2	7.2	4.7	7.2	5.3	5.4	5.2	7.4	6.7	6.1
XANADU (JT 268)	7.4	4.7	7.0	6.1	5.7	5.6	6.4	6.1	6.1
SPYDER 2LS (ZRC1)	7.2	4.6	7.1	5.8	5.3	5.3	7.2	6.5	6.1
RH1	6.9	4.8	6.6	5.0	6.5	5.4	7.3	6.6	6.1
DYNAMITE G-LS (PPG-TF 254)	7.2	4.7	7.0	5.5	5.3	5.8	7.0	6.5	6.1
BONFIRE (JS DTT)	7.1	4.4	7.0	5.4	6.0	5.7	7.1	6.4	6.1
AVENGER III (PPG-TF 308)	7.3	4.0	7.0	5.6	5.5	5.7	7.4	6.4	6.1
TRIAD (PPG-TF 323)	7.3	4.6	6.8	5.5	5.7	5.4	7.0	6.5	6.1
ZION (BAR TF 134)	7.1	4.6	7.2	4.7	5.9	5.5	7.4	6.4	6.1
FASTLANE (BY-TF-169)	7.4	4.5	7.3	5.9	4.4	5.8	6.8	6.7	6.1
FIRECRACKER G-LS (PPG-TF 315)	7.1	4.0	7.1	5.6	5.3	5.7	7.3	6.6	6.1
PPG-TF 267	7.2	4.6	7.0	5.3	5.6	5.6	6.8	6.4	6.1
GALLARDO (DLFPS-TF/3550)	7.3	4.5	6.3	5.7	5.7	5.8	6.3	6.8	6.1
PPG-TF 316	7.2	4.5	7.0	5.8	5.3	5.6	6.7	6.5	6.1
FIRENZA II (PPG-TF 244)	6.8	3.8	6.7	5.2	6.5	5.9	6.8	6.7	6.1
TITAN MAX (TF456)	7.2	4.2	6.5	5.5	6.2	5.4	6.9	6.6	6.1
K18-WB1	7.1	4.2	6.8	5.6	5.7	5.3	7.3	6.3	6.0
DLFPS-321/3707	7.1	4.0	6.8	5.2	6.4	5.3	7.1	6.6	6.0
DLFPS-321/3708	7.3	3.3	6.7	5.1	5.7	5.9	7.4	6.8	6.0
TEACHER (PPG-TF 313)	7.4	4.1	7.0	6.3	4.7	5.2	7.2	6.4	6.0
RS1	7.1	4.5	6.6	5.4	5.3	5.5	7.2	6.6	6.0
AH1	7.2	3.5	6.7	5.9	6.3	5.8	6.9	6.0	6.0
SYMPHONY (PPG-TF 305)	7.2	4.1	6.9	5.9	5.1	5.8	6.4	6.7	6.0
DLFPS-321/3706	7.0	3.8	7.0	5.3	5.2	5.7	7.4	6.7	6.0
RAPTOR LS (PPG-TF 336)	7.3	4.1	7.4	5.4	4.8	5.2	7.2	6.6	6.0
ROVER (PPG-TF 306)	7.3	3.7	6.7	5.1	6.0	5.3	7.2	6.8	6.0
RH3	7.0	4.4	6.5	5.3	5.7	5.6	7.0	6.4	6.0
RDC	7.3	4.7	6.5	5.6	5.2	5.5	7.0	6.2	6.0
PPG-TF 257	7.0	4.3	6.6	5.4	4.8	6.0	7.3	6.4	6.0
DEGAS (LTP-TF-111)	6.9	4.3	7.0	5.0	5.2	5.4	7.2	6.8	6.0
NAI-ST5	6.9	4.1	6.8	5.7	5.6	5.5	6.7	6.7	6.0
BLADERUNNER 3 (DLFPS-321/3701)	7.3	4.1	6.7	5.9	4.9	5.6	6.8	6.6	6.0
KIZZLE (K18-ROE)	6.9	4.3	6.5	5.7	5.5	5.8	6.8	6.3	6.0

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT EIGHT LOCATIONS 1/
IN THE TRANSITION REGION
2021 DATA

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

NAME	DE1	KS1	MD1	MO1	NC1	OK1	TN1	VA1	MEAN
DLFPS-321/3695	7.3	3.6	6.6	5.4	5.2	5.7	7.3	6.6	6.0
GALACTIC (SESCR1)	6.8	4.2	6.8	5.0	6.0	5.8	6.4	6.8	6.0
HOUNDG NINE (DLFPS-321/3702)	7.1	4.3	6.5	6.0	4.8	5.8	6.6	6.6	6.0
SR 8700 (TMT1)	7.1	3.9	6.7	5.3	5.4	5.5	7.1	6.6	6.0
PPG-TF 249	7.2	3.8	6.7	6.0	5.1	5.7	7.0	6.2	5.9
BULLSEYE LTZ	7.1	3.9	6.7	5.3	5.5	5.2	6.9	6.9	5.9
NAI-ROS4	7.2	3.6	6.6	5.8	5.3	5.3	7.1	6.6	5.9
COL-TF-148	7.2	3.8	6.9	5.0	5.5	5.3	7.3	6.4	5.9
NT-3	7.2	4.5	6.7	5.4	5.3	5.1	6.8	6.5	5.9
ROWDIER (DLFPS-321/3699)	6.9	3.9	6.8	5.2	5.0	5.8	7.3	6.4	5.9
PPG-TF 318	6.8	4.3	7.0	4.7	5.5	5.7	6.9	6.6	5.9
DLFPS-TF/3553	7.1	4.1	6.6	4.9	5.2	5.6	7.0	6.8	5.9
LIFEGUARD	6.9	4.4	7.0	5.0	5.3	5.5	6.9	6.3	5.9
STEALTH (PPG-TF 238)	7.3	4.4	6.7	5.4	5.3	5.5	6.3	6.3	5.9
ESSENTIAL 2 (DLFPS-TF/3552)	7.2	4.2	6.5	4.9	5.5	5.6	6.9	6.5	5.9
PST-5MCMO	6.8	4.5	6.6	4.2	5.8	5.5	7.7	6.2	5.9
PST-5E6	7.3	4.9	6.5	4.2	5.6	5.2	7.0	6.4	5.9
PST-5BYOB	6.9	3.7	6.8	5.1	6.3	5.5	6.8	6.0	5.9
PARAMOUNT	6.8	3.7	6.9	5.2	5.1	5.4	7.2	6.6	5.9
HEMI	6.9	4.0	6.8	5.5	4.9	5.2	7.3	6.3	5.9
RC4	7.0	4.3	6.9	4.9	5.4	5.5	6.9	6.1	5.9
FIREHAWK SLT	7.0	4.4	6.9	5.6	4.6	5.2	7.3	5.9	5.9
PST-5GLBS	6.6	4.5	6.2	5.1	5.7	5.5	7.2	6.1	5.9
PST-5TRN	6.7	4.2	6.5	5.2	5.4	5.7	6.9	6.3	5.9
PADRE 2	6.9	3.3	6.7	5.7	5.3	5.5	7.1	6.4	5.9
5LSS	7.4	4.3	6.6	4.9	4.6	5.1	7.0	7.1	5.9
BENTLEY (DLFPS-321/3679)	7.1	5.0	6.8	4.8	4.4	5.6	7.0	6.2	5.9
DRAGSTER	7.1	3.9	6.4	4.7	5.4	5.6	7.2	6.6	5.9
RAPTOR III	7.1	3.9	6.9	5.2	4.8	5.2	7.1	6.4	5.8
RHF	7.0	4.5	6.6	5.7	5.2	5.3	6.4	5.9	5.8
TOUGH (NAI-TUE)	6.8	3.5	6.7	5.4	5.5	5.3	6.9	6.4	5.8
DLFPS-321/3693	7.1	3.1	6.9	5.3	5.0	5.6	7.0	6.5	5.8
TALLADEGA II (NAI-3N2)	7.2	3.3	6.8	5.4	5.1	5.6	6.6	6.4	5.8
OKEEFE (LTP-TF-122)	7.1	3.8	6.9	5.0	4.7	5.8	6.4	6.6	5.8
GLX ACED (PST-5DART)	6.9	4.0	6.5	5.0	5.5	5.5	6.7	6.1	5.8
RACEWAY (DLFPS-321/3696)	6.9	4.3	6.5	5.1	4.7	5.5	6.9	6.1	5.8
3B2	6.9	3.6	6.8	4.9	5.2	5.7	6.9	6.1	5.8
JT 233	7.3	3.4	6.5	5.3	5.3	5.2	6.8	6.1	5.7
K18-NSE	7.3	4.1	6.7	5.4	3.9	5.0	7.1	6.2	5.7
ATF2116	6.8	3.9	6.3	4.2	5.8	5.3	7.1	6.4	5.7
ENDGAME (3N1)	6.8	3.7	6.3	4.8	5.5	5.4	6.7	6.6	5.7
PST-5THM	6.7	4.1	6.3	4.9	6.1	5.5	6.6	5.6	5.7
PPG-TF 312	7.2	3.7	6.9	5.3	3.6	4.9	7.0	7.1	5.7
ATF1768	7.0	3.7	6.3	4.9	5.3	5.0	6.7	6.6	5.7
JT 517	6.9	3.5	6.2	5.0	4.9	5.3	7.0	6.8	5.7

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT EIGHT LOCATIONS 1/
IN THE TRANSITION REGION
2021 DATA

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

NAME	DE1	KS1	MD1	MO1	NC1	OK1	TN1	VA1	MEAN
MOONDANCE GLX	6.7	3.1	6.5	5.0	5.6	5.7	6.6	6.3	5.7
PRO GOLD	6.8	3.7	6.3	5.2	5.1	5.2	7.3	5.7	5.7
PPG-TF 231	6.9	3.0	6.9	4.8	4.8	5.6	6.7	6.6	5.7
DLFPS-321/3703	6.9	3.5	6.6	5.2	4.6	5.2	7.1	6.1	5.6
DLFPS-321/3694	7.1	2.8	6.9	5.4	4.8	5.0	6.9	6.2	5.6
RAD-TF105	6.9	3.6	7.0	4.7	5.1	5.0	7.0	5.8	5.6
BRAVO 2	6.5	3.5	6.8	4.9	5.2	5.2	6.9	6.2	5.6
SETFM3	6.7	4.0	6.3	4.6	5.2	5.1	6.8	6.2	5.6
GRANDE 3	6.7	3.7	6.9	5.2	4.7	5.3	6.3	6.1	5.6
FAIRFIELD (SETF104)	6.9	4.0	6.3	4.5	4.8	5.2	6.6	6.6	5.6
PST-5GQ	6.8	3.8	6.4	4.1	5.4	5.3	6.9	6.1	5.6
FAYETTE	6.6	3.2	6.3	6.0	4.8	5.7	6.4	5.7	5.6
BAR-FA8230	6.6	4.3	5.9	4.6	4.5	5.2	6.9	6.6	5.6
PST-5DC24	6.6	3.6	6.0	4.9	5.3	5.2	6.6	6.1	5.5
ESTRENA	6.9	3.4	6.6	5.7	4.1	5.3	6.2	6.1	5.5
GRO-PRO (SE53D2)	6.7	3.3	6.5	4.4	5.3	5.2	6.6	6.1	5.5
PST-5DZM	6.4	3.6	6.4	4.9	4.5	5.2	7.1	5.9	5.5
NATURALLY GREEN	6.4	3.9	5.9	4.8	4.8	5.0	7.0	6.1	5.5
TANGO	6.4	3.3	6.3	4.6	4.8	5.2	7.3	6.0	5.5
BANDIT	6.8	3.4	6.3	4.7	4.4	5.6	6.8	5.8	5.5
LBF	6.7	4.0	6.1	4.4	4.5	5.2	6.7	6.2	5.5
BULLSEYE	6.4	3.5	5.7	4.8	4.9	5.4	7.0	5.9	5.4
SE5STAR	6.3	3.5	6.4	4.0	5.2	5.1	7.0	6.0	5.4
PST-5MINK	6.4	3.9	6.0	4.7	4.6	5.2	6.8	5.7	5.4
BIRMINGHAM	6.3	3.6	5.8	5.4	4.7	5.1	6.9	5.3	5.4
A-TF31	6.2	3.3	6.3	4.4	4.8	5.1	7.0	6.1	5.4
BGR-TF3	6.5	3.9	5.1	5.1	4.3	5.2	7.3	5.7	5.4
AST8118LM	6.6	3.5	6.2	4.2	4.5	5.3	7.1	5.7	5.4
NAI-FQZ-17	6.4	3.7	6.0	4.0	5.0	5.1	6.7	6.0	5.4
COPIOUS TF	6.7	3.2	5.7	5.0	4.2	5.1	7.0	6.1	5.4
BAR FA 8228	6.1	4.2	5.5	5.0	4.1	4.7	7.3	5.9	5.3
AST8218LM	6.7	3.2	5.8	4.3	4.6	5.1	6.7	6.3	5.3
ESCALADE	5.9	3.7	5.8	4.4	4.6	5.4	7.2	5.7	5.3
SETFM2	6.7	3.1	5.6	4.5	4.3	5.4	7.2	5.9	5.3
GO-AOMK	6.8	3.0	6.3	3.8	4.5	5.3	7.0	6.1	5.3
MONUMENT (PST-5SQB)	6.3	3.1	6.1	4.1	5.7	5.3	6.3	5.7	5.3
GRAND PRIX (FC15-01P)	6.5	3.3	5.6	4.2	5.3	4.9	6.3	5.7	5.2
BAR 9FE MAS	6.2	3.5	6.0	4.4	4.1	4.7	6.9	5.9	5.2
RAD-TF131	6.6	3.6	6.1	4.4	3.5	4.2	6.6	6.1	5.1
OG-WALK	5.8	3.5	5.4	4.2	4.7	4.5	7.1	5.6	5.1
PALOMAR	6.1	3.7	5.2	4.1	4.3	4.9	6.9	5.3	5.1
RAD-TF115 (TURBO SS)	6.7	3.2	6.1	4.2	3.6	3.0	6.5	6.3	4.9
KENTUCKY-31	4.9	4.0	4.4	3.3	4.2	3.6	6.5	3.6	4.3
LSD VALUE	0.4	0.9	0.6	1.1	1.1	0.7	0.8	0.8	0.3
C.V. (%)	3.8	13.3	5.4	12.9	12.6	8.3	7.2	7.9	8.7

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

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

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2021 DATA

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

NAME	GA1	MS1	MEAN
TITAN GLX (TF445)	6.4	4.4	5.4
PST-5GLBS	6.2	4.6	5.4
FIRENZA II (PPG-TF 244)	6.6	4.0	5.3
PST-5E6	6.3	4.3	5.3
GALLARDO (DLFPS-TF/3550)	6.6	3.9	5.3
DAYBREAK (AH2)	6.6	3.9	5.3
AH1	6.5	4.0	5.2
HOUNDOG NINE (DLFPS-321/3702)	6.5	4.0	5.2
TD2	6.5	4.0	5.2
RC4	6.7	3.8	5.2
CAPITAN (DLFPS-321/3705)	6.5	4.0	5.2
BLADERUNNER 3 (DLFPS-321/3701)	6.3	4.1	5.2
TITANIUM G-LS (PPG-TF 255)	6.4	4.0	5.2
ZION (BAR TF 134)	6.2	4.2	5.2
PPG-TF 337	6.5	3.9	5.2
PPG-TF 257	6.7	3.7	5.2
SYMPHONY (PPG-TF 305)	6.5	3.9	5.2
RHF	6.4	3.9	5.2
AVENGER III (PPG-TF 308)	6.4	4.0	5.2
FASTLANE (BY-TF-169)	6.7	3.6	5.2
NAI-ROS4	6.5	3.8	5.2
NT-3	6.4	3.9	5.2
TRIAD (PPG-TF 323)	6.4	3.9	5.2
PPG-TF 262	6.3	4.0	5.2
XANADU (JT 268)	6.5	3.8	5.2
K18-RS6	6.5	3.8	5.1
STEALTH (PPG-TF 238)	6.7	3.5	5.1
GO-RH20	6.5	3.8	5.1
BULLSEYE LTZ	6.4	3.8	5.1
TITAN MAX (TF456)	6.2	4.0	5.1
DLFPS-321/3708	6.4	3.8	5.1
PST-5MCMO	6.1	4.1	5.1
NAI-ST5	6.4	3.8	5.1
TEACHER (PPG-TF 313)	6.2	4.0	5.1
COL-TF-148	6.3	3.8	5.1
DEGAS (LTP-TF-111)	6.3	3.8	5.1
DLFPS-321/3707	6.4	3.7	5.1
PPG-TF 316	6.3	3.8	5.0
SPYDER 2LS (ZRC1)	6.5	3.6	5.0
DRAGSTER	6.2	3.8	5.0
RS1	6.5	3.6	5.0
KIZZLE (K18-ROE)	6.3	3.8	5.0
PST-5GQ	6.1	3.9	5.0
GRANDE 3	6.4	3.6	5.0

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT TWO LOCATIONS 1/
 IN THE SOUTHEAST REGION
 2021 DATA

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

NAME	GA1	MS1	MEAN
DLFPS-TF/3553	6.2	3.8	5.0
DYNAMITE G-LS (PPG-TF 254)	6.5	3.5	5.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.5	3.5	5.0
PPG-TF 249	6.6	3.4	5.0
SERENADE (PPG-TF 320)	6.2	3.8	5.0
BONFIRE (JS DTT)	6.2	3.8	5.0
RHL2	6.5	3.4	5.0
PST-5THM	6.3	3.7	5.0
BENTLEY (DLFPS-321/3679)	6.3	3.7	5.0
FIRECRACKER G-LS (PPG-TF 315)	6.4	3.5	5.0
RH1	6.2	3.7	5.0
FAIRFIELD (SETF104)	6.5	3.4	5.0
GLX ACED (PST-5DART)	6.1	3.8	5.0
DLFPS-321/3695	6.6	3.3	4.9
PST-5DZM	6.2	3.7	4.9
ROWDIER (DLFPS-321/3699)	6.3	3.5	4.9
TANK (PPG-TF 338)	6.2	3.7	4.9
DLFPS-321/3706	6.3	3.6	4.9
FIREHAWK SLT	6.2	3.6	4.9
RAPTOR LS (PPG-TF 336)	6.5	3.3	4.9
ROVER (PPG-TF 306)	6.2	3.6	4.9
PST-5TRN	6.3	3.5	4.9
HEMI	6.2	3.6	4.9
RAPTOR III	6.2	3.6	4.9
PPG-TF 267	6.2	3.6	4.9
RH3	6.6	3.1	4.9
GALACTIC (SESCR1)	6.6	3.1	4.9
ATF2116	6.0	3.7	4.8
RACEWAY (DLFPS-321/3696)	6.0	3.7	4.8
ATF1768	6.1	3.5	4.8
K18-NSE	6.3	3.4	4.8
DLFPS-321/3693	6.3	3.4	4.8
5LSS	6.2	3.5	4.8
OKEEFE (LTP-TF-122)	6.2	3.4	4.8
BAR-FA8230	5.7	3.8	4.8
PST-5DC24	6.0	3.5	4.7
K18-WB1	6.1	3.3	4.7
BAR FA 8228	5.7	3.7	4.7
JT 517	5.9	3.5	4.7
RDC	6.1	3.3	4.7
DLFPS-321/3703	6.1	3.3	4.7
PADRE 2	6.1	3.2	4.6
SR 8700 (TMT1)	6.2	3.0	4.6
3B2	6.1	3.1	4.6
GO-AOMK	6.1	3.1	4.6

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT TWO LOCATIONS 1/
 IN THE SOUTHEAST REGION
 2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	GA1	MS1	MEAN
GRO-PRO (SE53D2)	6.1	3.1	4.6
SETFM3	5.9	3.3	4.6
PRO GOLD	6.0	3.1	4.6
MOONDANCE GLX	6.0	3.2	4.6
PPG-TF 312	6.3	2.9	4.6
TOUGH (NAI-TUE)	6.3	2.9	4.6
DLFPS-321/3694	6.4	2.7	4.6
TANGO	5.9	3.2	4.5
LIFEGUARD	6.3	2.8	4.5
RAD-TF131	5.9	3.2	4.5
PPG-TF 318	6.2	2.9	4.5
MONUMENT (PST-5SQB)	5.9	3.1	4.5
PPG-TF 231	6.3	2.8	4.5
PARAMOUNT	6.1	2.9	4.5
PST-5BYOB	6.2	2.8	4.5
JT 233	6.1	2.8	4.4
LBF	5.8	3.0	4.4
RAD-TF105	5.9	2.9	4.4
ENDGAME (3N1)	6.2	2.6	4.4
RAD-TF115 (TURBO SS)	5.7	3.1	4.4
TALLADEGA II (NAI-3N2)	6.0	2.8	4.4
SE5STAR	5.8	2.9	4.4
PST-5MINK	5.7	3.0	4.3
BRAVO 2	6.1	2.6	4.3
SETFM2	5.6	3.1	4.3
NATURALLY GREEN	5.7	2.9	4.3
FAYETTE	5.7	2.7	4.2
NAI-FQZ-17	5.8	2.6	4.2
A-TF31	5.8	2.6	4.2
COPIOUS TF	5.8	2.6	4.2
BULLSEYE	5.6	2.7	4.2
AST8118LM	5.7	2.6	4.1
BANDIT	5.8	2.5	4.1
PALOMAR	5.5	2.7	4.1
GRAND PRIX (FC15-01P)	5.7	2.6	4.1
AST8218LM	5.5	2.8	4.1
ESCALADE	5.5	2.8	4.1
BGR-TF3	5.4	2.8	4.1
BAR 9FE MAS	5.6	2.5	4.1
BIRMINGHAM	5.7	2.4	4.1
OG-WALK	5.5	2.5	4.0
ESTRENA	5.5	2.3	3.9
KENTUCKY-31	4.6	2.9	3.7
LSD VALUE	0.5	0.7	0.4
C.V. (%)	4.8	13.3	8.0

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

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

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	IA1	IN1	MI1	NE1	ON1	MEAN
PPG-TF 267	6.8	6.6	7.1	6.9	7.2	6.9
PPG-TF 316	6.8	6.1	7.3	7.1	6.9	6.8
CAPITAN (DLFPS-321/3705)	6.7	6.3	7.3	7.0	6.7	6.8
SPYDER 2LS (ZRC1)	6.5	6.3	7.3	6.8	7.0	6.8
PPG-TF 262	6.7	6.3	7.1	7.0	6.8	6.8
ENDGAME (3N1)	6.9	6.0	7.1	7.0	7.0	6.8
AVENGER III (PPG-TF 308)	6.8	6.1	7.3	7.0	6.7	6.8
PPG-TF 231	6.8	5.8	7.1	7.0	7.2	6.8
XANADU (JT 268)	6.8	6.4	7.3	6.9	6.4	6.8
TEACHER (PPG-TF 313)	6.7	6.0	6.9	7.1	7.1	6.8
FIRECRACKER G-LS (PPG-TF 315)	6.6	6.5	7.1	6.9	6.7	6.8
DLFPS-TF/3553	6.7	6.0	7.1	7.0	6.9	6.7
5LSS	6.4	6.5	7.5	6.7	6.6	6.7
K18-WB1	6.8	6.1	7.1	6.8	7.0	6.7
PPG-TF 249	6.6	6.4	7.2	7.1	6.3	6.7
BLADERUNNER 3 (DLFPS-321/3701)	6.9	6.0	7.3	7.0	6.5	6.7
FASTLANE (BY-TF-169)	6.6	5.7	7.3	7.0	7.1	6.7
TRIAD (PPG-TF 323)	6.8	5.5	7.3	7.0	7.0	6.7
BULLSEYE LTZ	6.8	6.2	6.9	7.0	6.8	6.7
ROVER (PPG-TF 306)	6.8	5.8	7.3	7.0	6.8	6.7
NAI-ROS4	6.5	6.0	7.1	7.0	7.0	6.7
RACEWAY (DLFPS-321/3696)	7.0	5.9	7.1	7.0	6.7	6.7
DEGAS (LTP-TF-111)	6.7	6.0	7.4	7.0	6.4	6.7
DLFPS-321/3707	7.0	5.8	6.9	7.1	6.7	6.7
PPG-TF 318	6.8	6.1	7.1	7.0	6.5	6.7
ZION (BAR TF 134)	6.6	6.3	7.2	7.0	6.5	6.7
NAI-ST5	6.8	5.9	7.3	6.9	6.6	6.7
FIRENZA II (PPG-TF 244)	6.8	6.0	7.3	6.9	6.5	6.7
RAPTOR LS (PPG-TF 336)	6.6	6.6	7.1	6.9	6.3	6.7
PPG-TF 337	6.5	6.4	6.8	7.0	6.7	6.7
AH1	6.5	5.8	7.2	7.0	6.8	6.7
GALACTIC (SESCR1)	6.6	5.6	7.3	7.0	6.8	6.7
FIREHAWK SLT	6.7	6.0	7.1	6.9	6.8	6.7
PPG-TF 257	6.6	6.0	7.0	7.0	6.7	6.7
JT 233	6.8	5.9	7.0	7.0	6.7	6.7
SR 8700 (TMT1)	6.6	6.3	7.1	7.0	6.3	6.7
BONFIRE (JS DTT)	6.8	6.0	7.1	7.1	6.4	6.7
DLFPS-321/3695	6.8	5.8	6.9	7.0	6.8	6.7
COL-TF-148	6.5	5.9	7.0	7.1	6.8	6.7
SERENADE (PPG-TF 320)	6.7	6.2	6.7	7.0	6.8	6.7
TITAN MAX (TF456)	6.6	6.0	7.1	6.8	6.7	6.7
K18-NSE	6.5	6.3	6.8	6.9	6.8	6.7
RHL2	6.8	6.0	7.1	7.0	6.4	6.7
DYNAMITE G-LS (PPG-TF 254)	6.7	6.4	6.6	7.0	6.6	6.7
TOUGH (NAI-TUE)	6.7	5.5	7.2	7.0	6.9	6.7

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2021 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
STEALTH (PPG-TF 238)	6.5	6.0	7.0	7.0	6.8	6.7
DRAGSTER	6.5	5.9	7.1	7.0	6.7	6.6
RH1	6.6	5.8	7.1	7.0	6.8	6.6
3B2	6.8	5.6	7.1	7.0	6.8	6.6
TITANIUM G-LS (PPG-TF 255)	6.9	5.8	6.9	7.0	6.7	6.6
PST-5GQ	6.8	5.8	7.1	7.0	6.5	6.6
DLFPS-321/3694	6.8	5.4	7.2	6.9	6.9	6.6
DLFPS-321/3693	6.7	5.7	7.1	7.0	6.8	6.6
SYMPHONY (PPG-TF 305)	6.5	6.0	7.0	7.0	6.6	6.6
HOUNDG NINE (DLFPS-321/3702)	6.9	5.5	7.2	7.1	6.5	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	6.6	6.0	6.9	6.9	6.7	6.6
ROWDIER (DLFPS-321/3699)	6.9	5.6	7.1	7.0	6.7	6.6
GALLARDO (DLFPS-TF/3550)	6.6	5.6	7.0	7.0	6.8	6.6
TD2	6.7	6.0	7.3	7.0	6.0	6.6
RAPTOR III	6.9	5.4	7.1	7.0	6.6	6.6
K18-RS6	6.6	6.0	7.1	6.9	6.5	6.6
GO-RH20	6.6	5.1	7.3	7.0	7.0	6.6
KIZZLE (K18-ROE)	6.6	5.8	6.9	7.0	6.7	6.6
DAYBREAK (AH2)	6.3	5.9	7.2	7.0	6.6	6.6
BENTLEY (DLFPS-321/3679)	6.9	5.7	6.9	7.0	6.4	6.6
PARAMOUNT	6.7	5.5	7.1	7.0	6.8	6.6
NT-3	6.7	5.8	6.8	7.0	6.5	6.6
OKEEFE (LTP-TF-122)	6.5	5.6	7.2	7.0	6.6	6.6
RDC	6.4	5.9	6.9	7.1	6.5	6.6
DLFPS-321/3703	7.0	5.4	6.9	7.0	6.5	6.6
DLFPS-321/3708	6.9	5.6	6.7	7.0	6.6	6.6
RS1	6.5	5.5	7.2	6.9	6.7	6.5
RH3	6.5	5.8	6.9	6.9	6.5	6.5
RAD-TF105	6.9	5.6	6.8	6.7	6.6	6.5
AST8218LM	6.9	5.5	7.0	6.8	6.4	6.5
TITAN GLX (TF445)	6.5	5.8	6.9	7.0	6.4	6.5
ESTRENA	6.5	5.7	7.0	6.8	6.6	6.5
DLFPS-321/3706	6.5	5.7	6.8	6.9	6.7	6.5
PPG-TF 312	6.5	6.2	6.7	6.8	6.3	6.5
PADRE 2	6.7	5.6	7.0	6.9	6.3	6.5
BANDIT	7.1	5.2	6.8	6.9	6.6	6.5
TANK (PPG-TF 338)	6.6	5.6	7.0	6.9	6.4	6.5
GLX ACED (PST-5DART)	6.7	5.8	6.8	6.9	6.3	6.5
LIFEGUARD	6.6	6.0	6.8	6.8	6.3	6.5
TALLADEGA II (NAI-3N2)	6.6	5.4	6.9	6.9	6.7	6.5
GRANDE 3	6.8	5.3	7.0	7.0	6.4	6.5
BULLSEYE	6.8	5.1	6.9	7.0	6.6	6.5
RC4	6.9	5.1	6.9	7.0	6.5	6.5
RHF	6.5	5.9	6.8	6.9	6.4	6.5
HEMI	6.8	5.1	6.9	6.8	6.8	6.5

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2021 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
RAD-TF115 (TURBO SS)	7.1	4.7	6.7	6.9	7.0	6.5
PST-5MCMO	6.5	5.9	6.9	6.9	6.3	6.5
NAI-FQZ-17	6.8	5.3	7.2	6.9	6.3	6.5
TANGO	6.6	5.3	6.9	7.0	6.5	6.5
PST-5DC24	7.0	5.7	6.9	7.0	5.7	6.5
LBF	7.0	5.5	6.8	6.9	6.2	6.5
MOONDANCE GLX	6.4	5.7	7.1	6.9	6.3	6.5
SETFM3	6.9	5.1	7.1	6.8	6.5	6.5
PST-5GLBS	6.7	5.6	7.0	6.9	6.1	6.5
PST-5TRN	6.6	5.3	6.9	7.0	6.5	6.4
PST-5DZM	6.8	5.5	6.6	6.8	6.5	6.4
FAYETTE	6.8	5.4	6.9	6.6	6.5	6.4
MONUMENT (PST-5SQB)	6.5	5.7	6.7	6.9	6.3	6.4
FAIRFIELD (SETF104)	6.8	5.3	6.8	7.0	6.3	6.4
PST-5BYOB	6.6	6.0	6.8	6.7	6.0	6.4
PST-5THM	6.7	5.3	6.8	7.0	6.3	6.4
ATF1768	6.8	5.6	6.6	6.7	6.3	6.4
JT 517	6.8	5.3	6.5	6.9	6.4	6.4
RAD-TF131	7.0	4.3	6.9	7.0	6.8	6.4
AST8118LM	7.0	4.8	6.7	7.0	6.5	6.4
PST-5MINK	6.8	5.1	6.9	6.8	6.3	6.4
COPIOUS TF	6.6	5.3	6.6	6.9	6.5	6.4
BGR-TF3	7.0	5.2	6.8	6.7	6.1	6.4
BRAVO 2	6.9	5.0	6.7	7.0	6.2	6.4
GRO-PRO (SE53D2)	6.8	5.5	6.8	6.8	5.9	6.3
NATURALLY GREEN	7.0	4.8	6.4	7.0	6.5	6.3
BAR-FA8230	6.5	4.8	6.8	7.0	6.5	6.3
BAR 9FE MAS	6.8	4.5	7.0	6.7	6.5	6.3
SETFM2	6.9	5.0	6.9	6.8	5.9	6.3
PST-5E6	6.5	5.6	6.6	6.6	6.3	6.3
PRO GOLD	6.5	5.5	6.7	6.7	6.1	6.3
BIRMINGHAM	6.9	5.0	6.8	6.7	6.0	6.3
GO-AOMK	7.0	4.8	6.7	6.8	6.1	6.3
OG-WALK	7.0	5.0	6.7	6.9	5.8	6.3
ESCALADE	6.8	5.1	6.3	6.8	6.5	6.3
PALOMAR	6.8	5.1	6.6	7.0	5.9	6.2
ATF2116	6.8	5.1	6.6	6.8	5.8	6.2
SE5STAR	6.7	5.1	6.1	6.9	6.3	6.2
A-TF31	6.8	5.0	6.2	6.8	6.0	6.2
GRAND PRIX (FC15-01P)	6.5	5.1	6.6	6.9	5.5	6.1
BAR FA 8228	6.8	4.9	6.3	6.6	5.4	6.0
KENTUCKY-31	6.2	4.3	4.5	5.1	5.0	5.0
LSD VALUE	0.3	0.7	0.5	0.3	0.7	0.2
C.V. (%)	2.8	7.2	4.5	2.4	6.5	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 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RHL2	7.0	7.3	7.0	7.7	7.0	7.0	.	.	7.2
RH3	7.0	7.3	7.3	6.7	7.7	6.7	.	.	7.1
AH1	7.3	7.0	7.0	6.7	7.7	6.7	.	.	7.1
5LSS	7.3	7.3	7.0	7.0	7.0	6.7	.	.	7.1
K18-NSE	7.0	7.3	7.0	7.0	7.3	6.7	.	.	7.1
DAYBREAK (AH2)	6.7	7.0	6.7	7.0	7.7	7.0	.	.	7.0
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	7.0	6.7	7.0	7.7	6.7	.	.	7.0
RHF	7.0	7.3	7.0	7.0	6.7	7.0	.	.	7.0
TRIAD (PPG-TF 323)	7.3	7.3	7.0	6.7	7.3	6.3	.	.	7.0
PPG-TF 312	7.3	7.0	6.3	6.7	7.3	7.0	.	.	6.9
RAPTOR LS (PPG-TF 336)	7.3	7.3	6.7	6.7	7.0	6.7	.	.	6.9
XANADU (JT 268)	7.3	7.0	7.3	6.7	7.0	6.3	.	.	6.9
DLFPS-321/3706	7.0	7.0	7.0	7.0	7.3	6.3	.	.	6.9
K18-RS6	7.7	7.7	6.7	6.3	7.0	6.3	.	.	6.9
TD2	7.0	7.3	7.0	6.7	7.3	6.3	.	.	6.9
SPYDER 2LS (ZRC1)	7.3	7.0	6.3	6.3	7.7	6.7	.	.	6.9
TITANIUM G-LS (PPG-TF 255)	7.3	7.0	7.0	6.7	7.0	6.3	.	.	6.9
ZION (BAR TF 134)	7.0	7.3	6.3	7.0	7.3	6.3	.	.	6.9
DEGAS (LTP-TF-111)	7.3	7.0	7.0	6.7	7.0	6.3	.	.	6.9
BONFIRE (JS DTT)	7.3	7.3	6.7	6.3	7.0	6.3	.	.	6.8
COL-TF-148	7.3	7.0	7.0	6.7	6.7	6.3	.	.	6.8
RDC	7.3	6.7	6.3	7.0	6.7	6.7	.	.	6.8
RS1	6.7	7.3	6.3	6.7	7.7	6.3	.	.	6.8
TEACHER (PPG-TF 313)	7.0	7.3	6.0	6.7	7.3	6.7	.	.	6.8
DLFPS-321/3695	7.3	7.3	6.7	6.0	7.0	6.3	.	.	6.8
FASTLANE (BY-TF-169)	7.0	7.3	6.3	6.3	7.0	6.7	.	.	6.8
NAI-ST5	7.7	7.0	6.3	6.3	7.0	6.3	.	.	6.8
PPG-TF 262	7.3	7.0	6.0	6.7	7.3	6.3	.	.	6.8
PPG-TF 316	7.3	7.0	6.3	6.3	7.0	6.7	.	.	6.8
SYMPHONY (PPG-TF 305)	7.0	7.0	6.7	6.7	7.3	6.0	.	.	6.8
TANK (PPG-TF 338)	7.3	7.3	6.7	6.3	7.0	6.0	.	.	6.8
DLFPS-321/3707	7.3	7.0	6.3	6.3	7.0	6.7	.	.	6.8
DLFPS-321/3708	7.3	6.7	6.7	6.3	7.3	6.3	.	.	6.8
FIREHAWK SLT	7.3	7.0	6.7	6.3	7.0	6.3	.	.	6.8
FIRENZA II (PPG-TF 244)	7.3	7.0	6.3	6.3	7.3	6.3	.	.	6.8
GALACTIC (SESCR1)	6.7	7.0	6.7	6.7	7.0	6.7	.	.	6.8
HOUNDG NINE (DLFPS-321/3702)	7.3	7.0	6.7	6.3	7.0	6.3	.	.	6.8
PPG-TF 267	7.0	7.0	6.3	6.3	7.0	7.0	.	.	6.8
RC4	7.0	7.0	6.3	6.7	7.0	6.7	.	.	6.8
SERENADE (PPG-TF 320)	7.0	7.0	7.0	6.7	6.7	6.3	.	.	6.8
TITAN MAX (TF456)	7.0	7.3	6.7	6.3	7.0	6.3	.	.	6.8
AVENGER III (PPG-TF 308)	7.0	7.3	6.7	6.0	7.0	6.3	.	.	6.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.0	6.7	6.3	7.0	6.3	.	.	6.7
DLFPS-321/3693	7.0	7.0	6.7	6.3	7.0	6.3	.	.	6.7
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	6.7	6.3	7.0	6.3	.	.	6.7

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
K18-WB1	7.0	7.0	6.3	6.3	7.0	6.7	.	.	6.7
NAI-ROS4	7.0	7.3	6.3	6.3	7.0	6.3	.	.	6.7
OKEEFE (LTP-TF-122)	7.3	7.0	6.3	6.3	7.0	6.3	.	.	6.7
PPG-TF 337	7.0	7.0	6.3	6.7	7.0	6.3	.	.	6.7
RH1	7.0	7.0	6.3	6.7	7.0	6.3	.	.	6.7
ROVER (PPG-TF 306)	7.0	7.3	6.7	6.0	7.0	6.3	.	.	6.7
DRAGSTER	7.0	6.7	6.7	6.0	7.3	6.7	.	.	6.7
DYNAMITE G-LS (PPG-TF 254)	7.3	7.0	6.7	6.0	7.0	6.3	.	.	6.7
HEMI	7.0	7.0	6.3	6.7	7.0	6.3	.	.	6.7
PPG-TF 257	7.3	7.0	6.3	6.3	7.0	6.3	.	.	6.7
BULLSEYE LTZ	7.0	7.0	6.3	6.7	7.0	6.0	.	.	6.7
DLFPS-321/3694	7.3	6.7	6.3	6.3	7.0	6.3	.	.	6.7
DLFPS-321/3703	7.0	7.0	6.7	6.3	7.0	6.0	.	.	6.7
DLFPS-TF/3553	7.3	7.0	6.3	6.0	7.0	6.3	.	.	6.7
FAIRFIELD (SETF104)	7.0	7.0	6.3	6.3	7.0	6.3	.	.	6.7
GO-RH20	7.0	7.3	6.7	6.0	6.7	6.3	.	.	6.7
NT-3	7.0	6.7	6.3	6.3	7.3	6.3	.	.	6.7
PPG-TF 249	7.3	7.0	6.3	6.3	7.0	6.0	.	.	6.7
PPG-TF 318	7.0	7.0	6.7	6.0	7.0	6.3	.	.	6.7
PST-5E6	7.3	7.0	7.0	6.3	6.3	6.0	.	.	6.7
PST-5TRN	7.0	7.0	6.7	6.0	7.0	6.3	.	.	6.7
RACEWAY (DLFPS-321/3696)	7.0	6.7	6.7	6.3	7.0	6.3	.	.	6.7
RAPTOR III	7.0	7.0	6.3	6.7	7.0	6.0	.	.	6.7
TALLADEGA II (NAI-3N2)	7.3	7.3	6.0	6.0	7.0	6.3	.	.	6.7
GRANDE 3	7.0	7.0	6.3	6.0	7.0	6.3	.	.	6.6
RAD-TF115 (TURBO SS)	7.0	7.0	6.3	6.3	7.0	6.0	.	.	6.6
CAPITAN (DLFPS-321/3705)	7.0	7.0	6.3	6.3	6.7	6.3	.	.	6.6
GALLARDO (DLFPS-TF/3550)	7.0	7.3	6.0	6.0	7.0	6.3	.	.	6.6
PST-5GLBS	7.0	7.0	6.3	6.3	7.0	6.0	.	.	6.6
PST-5MCMO	7.0	7.0	6.3	6.3	7.0	6.0	.	.	6.6
ROWDIER (DLFPS-321/3699)	7.0	7.0	6.3	6.7	6.7	6.0	.	.	6.6
SR 8700 (TMT1)	7.3	6.7	6.3	6.3	6.7	6.3	.	.	6.6
GLX ACED (PST-5DART)	7.0	7.0	6.0	6.3	6.7	6.3	.	.	6.6
JT 233	7.3	7.0	6.7	6.0	6.3	6.0	.	.	6.6
PST-5DZM	7.3	7.0	6.0	6.0	7.0	6.0	.	.	6.6
RAD-TF105	7.0	7.0	6.0	6.3	7.0	6.0	.	.	6.6
TANGO	7.0	7.0	7.0	6.0	6.3	6.0	.	.	6.6
KIZZLE (K18-ROE)	7.3	7.0	6.3	6.3	6.3	6.0	.	.	6.6
SETFM3	7.0	6.7	6.3	6.3	6.7	6.3	.	.	6.6
ATF2116	7.0	7.0	6.7	5.7	6.7	6.0	.	.	6.5
BAR 9FE MAS	7.0	7.0	6.0	6.0	7.0	6.0	.	.	6.5
ESTRENA	7.0	7.0	6.7	5.7	6.3	6.3	.	.	6.5
NATURALLY GREEN	7.0	7.0	6.0	6.0	7.0	6.0	.	.	6.5
PST-5DC24	6.7	7.0	6.0	6.3	7.0	6.0	.	.	6.5
STEALTH (PPG-TF 238)	6.7	7.0	6.3	6.0	7.0	6.0	.	.	6.5

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2021 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
TITAN GLX (TF445)	7.0	7.0	6.0	6.0	7.0	6.0	.	.	6.5
LIFEGUARD	7.0	7.0	6.3	5.7	6.7	6.0	.	.	6.4
PARAMOUNT	7.0	7.0	6.0	5.7	6.7	6.3	.	.	6.4
ATF1768	7.0	7.0	6.3	5.7	6.3	6.3	.	.	6.4
BAR-FA8230	7.0	7.0	6.3	6.3	6.3	5.7	.	.	6.4
GO-AOMK	7.0	6.7	6.3	6.0	6.7	6.0	.	.	6.4
PPG-TF 231	7.3	7.0	6.0	6.0	6.3	6.0	.	.	6.4
3B2	7.3	7.0	6.0	5.7	6.0	6.3	.	.	6.4
BANDIT	7.0	6.7	6.3	5.7	6.7	6.0	.	.	6.4
BAR FA 8228	7.0	6.7	6.0	6.0	6.3	6.3	.	.	6.4
AST8218LM	7.0	7.0	6.3	5.7	6.3	6.0	.	.	6.4
ENDGAME (3N1)	7.0	7.0	6.3	5.3	6.7	6.0	.	.	6.4
FAYETTE	7.0	6.7	6.0	6.0	6.7	6.0	.	.	6.4
PADRE 2	7.0	7.0	6.0	6.3	6.0	6.0	.	.	6.4
PST-5GQ	6.7	6.7	6.0	6.3	6.7	6.0	.	.	6.4
SETFM2	7.0	6.7	6.3	5.7	6.7	6.0	.	.	6.4
BENTLEY (DLFPS-321/3679)	7.0	6.7	6.0	6.0	6.3	6.0	.	.	6.3
BRAVO 2	7.0	7.0	6.3	5.7	6.3	5.7	.	.	6.3
BULLSEYE	7.0	7.0	6.0	5.7	6.3	6.0	.	.	6.3
JT 517	6.7	6.7	6.0	6.0	6.7	6.0	.	.	6.3
LBF	7.0	6.3	6.3	6.0	6.7	5.7	.	.	6.3
PST-5MINK	7.0	6.7	6.0	6.0	6.3	6.0	.	.	6.3
RAD-TF131	6.3	6.7	6.0	6.3	6.7	6.0	.	.	6.3
PRO GOLD	6.7	7.0	6.3	5.7	6.3	5.7	.	.	6.3
COPIOUS TF	6.7	6.7	6.0	6.0	6.3	6.0	.	.	6.3
GRO-PRO (SE53D2)	7.0	7.0	6.3	5.3	6.0	6.0	.	.	6.3
MONUMENT (PST-5SQB)	7.0	6.7	6.0	5.7	6.3	6.0	.	.	6.3
PST-5THM	7.0	7.0	6.0	5.7	6.3	5.7	.	.	6.3
SE5STAR	7.3	7.0	6.0	5.7	6.3	5.3	.	.	6.3
A-TF31	6.3	6.7	6.0	6.0	6.7	5.7	.	.	6.2
MOONDANCE GLX	6.7	7.0	5.7	6.0	6.3	5.7	.	.	6.2
TOUGH (NAI-TUE)	7.0	6.7	6.3	5.7	6.0	5.7	.	.	6.2
AST8118LM	6.7	6.7	6.0	5.3	6.3	6.0	.	.	6.2
GRAND PRIX (FC15-01P)	6.7	7.0	6.0	5.7	6.0	5.7	.	.	6.2
PST-5BYOB	7.0	7.0	6.0	5.7	5.7	5.7	.	.	6.2
NAI-FQZ-17	6.7	7.0	6.0	5.3	6.0	5.7	.	.	6.1
BGR-TF3	7.0	6.7	5.7	5.7	6.0	5.3	.	.	6.1
ESCALADE	7.0	7.0	6.0	5.7	5.7	5.0	.	.	6.1
OG-WALK	6.7	6.7	6.0	5.3	6.0	5.7	.	.	6.1
BIRMINGHAM	6.7	6.7	6.0	5.0	6.0	5.7	.	.	6.0
PALOMAR	7.0	6.3	5.7	5.7	5.7	5.7	.	.	6.0
KENTUCKY-31	6.0	6.0	6.0	5.7	5.7	5.0	.	.	5.7
LSD VALUE	0.6	0.6	0.8	0.9	0.8	0.8	.	.	0.4
C.V. (%)	5.4	5.6	7.6	9.0	7.5	8.0	.	.	3.9

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

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

TABLE 9.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-TF 267	6.0	6.7	6.7	6.3	7.0	7.0	5.7	.	6.5
RH1	6.0	7.0	6.3	6.7	6.7	6.7	5.3	.	6.4
TEACHER (PPG-TF 313)	6.0	6.7	6.3	6.3	7.0	6.7	5.7	.	6.4
AH1	6.3	6.7	7.0	6.7	6.7	6.7	4.3	.	6.3
AVENGER III (PPG-TF 308)	6.0	6.3	6.0	7.0	7.3	6.7	5.0	.	6.3
DLFPS-321/3708	5.3	6.7	7.0	6.3	7.7	6.7	4.7	.	6.3
HOUNDG NINE (DLFPS-321/3702)	6.0	7.0	6.3	6.3	6.7	7.0	5.0	.	6.3
DAYBREAK (AH2)	6.3	6.3	6.3	6.3	7.0	7.3	4.3	.	6.3
PPG-TF 262	6.0	7.0	6.0	6.3	6.3	7.0	5.3	.	6.3
TRIAD (PPG-TF 323)	5.7	6.7	6.7	6.7	6.7	6.7	4.7	.	6.2
RAPTOR LS (PPG-TF 336)	5.7	6.7	7.0	6.7	6.7	6.3	4.3	.	6.2
FIRECRACKER G-LS (PPG-TF 315)	5.7	6.0	6.0	6.7	7.0	6.3	5.3	.	6.1
STEALTH (PPG-TF 238)	5.7	7.0	6.3	6.7	6.3	6.0	5.0	.	6.1
SYMPHONY (PPG-TF 305)	5.3	6.0	6.0	7.0	6.7	7.0	5.0	.	6.1
XANADU (JT 268)	5.7	6.3	6.7	6.3	6.0	6.7	5.3	.	6.1
DLFPS-TF/3553	6.0	6.0	6.3	6.3	7.0	6.7	4.7	.	6.1
TITANIUM G-LS (PPG-TF 255)	6.3	6.7	6.3	6.3	6.3	6.0	5.0	.	6.1
COL-TF-148	6.0	6.0	6.0	7.0	6.7	6.3	4.7	.	6.1
DLFPS-321/3707	5.3	6.3	6.0	6.0	7.0	6.7	5.3	.	6.1
LBF	6.7	6.3	6.3	7.0	6.3	5.7	4.3	.	6.1
RACEWAY (DLFPS-321/3696)	5.0	6.0	6.3	6.7	7.3	6.3	5.0	.	6.1
RHL2	5.7	6.3	6.7	6.7	6.7	6.7	4.0	.	6.1
DRAGSTER	6.0	6.3	6.0	6.0	6.3	6.7	5.0	.	6.0
DYNAMITE G-LS (PPG-TF 254)	6.0	6.3	6.3	6.3	6.7	6.0	4.7	.	6.0
NAI-ST5	5.3	6.3	6.3	6.7	6.7	7.0	4.0	.	6.0
PPG-TF 316	5.7	6.3	6.3	6.7	6.7	6.0	4.7	.	6.0
PPG-TF 337	6.0	6.3	6.3	6.7	6.3	6.3	4.3	.	6.0
RDC	5.7	6.3	6.0	6.0	6.7	6.7	5.0	.	6.0
BULLSEYE LTZ	5.3	6.0	6.0	6.0	6.0	7.7	5.0	.	6.0
DLFPS-321/3703	5.7	6.0	6.3	6.3	6.3	6.7	4.7	.	6.0
DLFPS-321/3706	5.3	6.7	6.3	6.3	6.7	6.0	4.7	.	6.0
PARAMOUNT	5.3	6.7	6.0	6.3	6.3	6.7	4.7	.	6.0
PPG-TF 231	5.7	6.0	6.0	6.7	6.0	6.7	5.0	.	6.0
SR 8700 (TMT1)	5.3	5.7	6.0	6.3	7.0	7.0	4.7	.	6.0
TANK (PPG-TF 338)	5.7	6.0	6.7	6.0	6.3	6.7	4.7	.	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	5.7	6.3	6.3	6.3	6.3	6.3	4.3	.	6.0
GALACTIC (SESCR1)	5.0	5.7	6.3	6.7	6.0	6.7	5.3	.	6.0
JT 517	4.7	6.0	6.7	6.3	6.3	6.7	5.0	.	6.0
OKEEFE (LTP-TF-122)	5.3	6.0	6.0	6.7	6.3	6.3	5.0	.	6.0
ZION (BAR TF 134)	5.3	5.7	6.0	6.3	6.3	7.0	5.0	.	6.0
BONFIRE (JS DTT)	4.7	5.3	6.0	6.7	7.0	7.0	4.7	.	5.9
DEGAS (LTP-TF-111)	5.7	5.7	6.0	6.3	6.3	6.7	4.7	.	5.9
FIRENZA II (PPG-TF 244)	5.3	6.0	6.0	6.7	6.3	6.3	4.7	.	5.9
GO-RH20	6.0	6.0	6.0	6.0	6.7	6.7	4.0	.	5.9
HEMI	5.3	6.0	5.7	6.0	6.7	7.3	4.3	.	5.9

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
K18-WB1	5.3	5.7	6.0	6.0	6.3	6.3	5.7	.	5.9
PPG-TF 257	6.0	6.0	6.3	6.3	6.3	5.7	4.7	.	5.9
RS1	5.7	5.7	6.0	6.0	6.3	6.3	5.3	.	5.9
SERENADE (PPG-TF 320)	6.0	6.7	6.0	6.0	6.0	6.0	4.7	.	5.9
SPYDER 2LS (ZRC1)	5.3	5.7	5.7	6.3	6.3	7.0	5.0	.	5.9
TALLADEGA II (NAI-3N2)	5.7	6.0	6.0	6.7	6.3	6.7	4.0	.	5.9
RC4	5.3	5.7	6.0	6.3	6.3	6.7	4.7	.	5.9
ROVER (PPG-TF 306)	5.3	5.3	6.3	6.7	6.3	6.0	5.0	.	5.9
PADRE 2	5.3	6.3	6.3	6.3	6.3	6.3	4.0	.	5.9
PPG-TF 249	5.7	6.3	6.0	6.0	6.3	6.0	4.7	.	5.9
BLADERUNNER 3 (DLFPS-321/3701)	5.0	5.7	6.0	6.3	6.3	6.3	5.0	.	5.8
KIZZLE (K18-ROE)	5.7	6.0	6.3	6.0	5.7	6.0	5.0	.	5.8
RH3	5.3	6.0	5.7	6.3	6.3	6.3	4.7	.	5.8
SETFM3	5.3	5.7	5.7	6.3	6.7	6.0	5.0	.	5.8
TITAN GLX (TF445)	5.7	6.3	6.0	6.0	6.0	6.0	4.7	.	5.8
ENDGAME (3N1)	5.3	6.0	6.7	6.0	6.3	6.3	4.0	.	5.8
K18-RS6	5.3	6.0	6.3	5.3	6.3	6.3	5.0	.	5.8
3B2	6.0	6.3	6.3	6.3	6.3	5.7	3.3	.	5.8
DLFPS-321/3694	5.3	5.3	6.0	6.0	6.7	6.0	5.0	.	5.8
ESTRENA	5.7	6.7	6.3	6.3	5.7	5.7	4.0	.	5.8
FASTLANE (BY-TF-169)	5.3	5.3	6.0	6.3	6.3	6.7	4.3	.	5.8
JT 233	5.3	5.7	5.7	6.0	7.0	6.3	4.3	.	5.8
RHF	5.7	6.0	5.0	6.0	6.3	6.7	4.7	.	5.8
TD2	5.3	6.0	6.0	6.3	6.3	6.3	4.0	.	5.8
TOUGH (NAI-TUE)	5.7	6.3	5.7	6.0	6.3	6.3	4.0	.	5.8
FIREHAWK SLT	5.3	6.0	6.0	5.3	6.3	6.3	4.7	.	5.7
RAPTOR III	5.3	5.7	6.0	6.7	6.0	6.7	3.7	.	5.7
CAPITAN (DLFPS-321/3705)	4.7	5.7	5.7	6.3	6.0	7.0	4.7	.	5.7
FAIRFIELD (SETF104)	5.3	5.7	5.7	6.0	6.3	6.0	5.0	.	5.7
K18-NSE	5.3	5.3	6.3	6.3	6.0	6.3	4.3	.	5.7
NAI-ROS4	5.3	6.0	6.3	6.0	6.3	6.3	3.7	.	5.7
ROWDIER (DLFPS-321/3699)	5.3	5.3	5.7	6.7	6.0	6.3	4.7	.	5.7
ATF2116	6.0	6.3	5.7	5.7	5.7	6.0	4.3	.	5.7
BULLSEYE	6.0	6.0	5.7	6.0	6.0	6.0	4.0	.	5.7
GLX ACED (PST-5DART)	5.3	5.7	6.0	6.3	6.0	6.3	4.0	.	5.7
GRANDE 3	4.7	6.7	6.3	6.0	6.0	5.7	4.3	.	5.7
NT-3	5.7	5.7	6.7	6.0	6.0	6.0	3.7	.	5.7
PST-5GQ	5.3	5.7	6.0	6.0	6.0	6.0	4.7	.	5.7
DLFPS-321/3693	5.0	5.3	6.3	6.3	6.0	6.0	4.3	.	5.6
GALLARDO (DLFPS-TF/3550)	5.3	5.7	6.0	5.7	5.7	6.0	5.0	.	5.6
NAI-FQZ-17	5.0	6.0	5.7	5.7	6.3	6.0	4.7	.	5.6
PST-5BYOB	5.3	6.7	5.7	6.0	6.0	6.0	3.7	.	5.6
PST-5DC24	5.3	6.0	6.0	6.0	6.0	5.7	4.3	.	5.6
SETFM2	5.3	6.0	6.0	5.7	6.0	5.7	4.7	.	5.6
DLFPS-321/3695	4.7	5.3	5.7	6.0	6.3	6.3	5.0	.	5.6

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-TF 318	5.0	6.0	6.0	6.0	6.3	6.0	4.0	.	5.6
TANGO	5.3	6.0	6.0	6.3	5.7	5.3	4.7	.	5.6
5LSS	5.3	5.7	6.3	5.3	6.0	5.7	4.7	.	5.6
NATURALLY GREEN	5.3	5.7	5.7	6.0	6.0	6.0	4.3	.	5.6
GO-AOMK	5.7	6.3	6.0	5.0	6.0	6.0	3.7	.	5.5
PPG-TF 312	5.3	5.7	5.7	6.7	5.7	6.0	3.7	.	5.5
BGR-TF3	5.7	5.7	6.0	5.7	5.7	6.0	4.0	.	5.5
PST-5DZM	5.0	6.3	6.0	6.0	6.0	6.0	3.3	.	5.5
RAD-TF105	5.7	5.3	5.7	5.7	6.0	6.3	4.0	.	5.5
BENTLEY (DLFPS-321/3679)	5.0	5.3	6.0	6.0	5.3	6.0	4.7	.	5.5
COPIOUS TF	5.0	5.3	6.3	6.0	5.7	5.7	4.3	.	5.5
FAYETTE	4.7	6.0	6.0	6.0	6.0	5.7	4.0	.	5.5
PRO GOLD	5.3	5.7	5.3	6.0	6.0	6.0	4.0	.	5.5
ATF1768	5.7	6.0	5.3	5.0	6.0	5.7	4.3	.	5.4
A-TF31	5.3	5.7	5.3	5.7	6.3	6.0	3.7	.	5.4
AST8118LM	5.3	5.7	5.7	5.7	6.0	6.0	3.7	.	5.4
BANDIT	5.3	5.3	5.7	6.0	5.7	5.7	4.3	.	5.4
BIRMINGHAM	5.0	5.7	5.7	5.7	6.0	5.7	4.3	.	5.4
PST-5E6	5.7	5.7	5.7	6.0	5.3	5.7	4.0	.	5.4
GRAND PRIX (FC15-01P)	4.7	5.3	5.7	5.7	6.0	6.0	4.3	.	5.4
ESCALADE	5.3	6.0	5.7	5.7	5.7	5.3	4.0	.	5.4
PST-5GLBS	5.0	5.3	5.7	6.0	6.0	5.7	4.0	.	5.4
PST-5THM	5.0	5.7	5.7	6.0	5.7	6.0	3.7	.	5.4
GRO-PRO (SE53D2)	4.7	6.0	5.3	6.0	6.0	6.0	3.3	.	5.3
LIFEGUARD	5.3	5.7	5.3	5.7	6.0	5.3	4.0	.	5.3
MONUMENT (PST-5SQB)	4.7	5.3	5.7	6.3	6.0	5.3	4.0	.	5.3
PST-5MCMO	5.3	5.7	5.3	6.0	5.7	5.3	4.0	.	5.3
SE5STAR	5.0	5.3	5.3	6.3	6.0	5.3	4.0	.	5.3
TITAN MAX (TF456)	5.0	5.3	5.7	5.7	5.3	6.0	4.3	.	5.3
BRAVO 2	4.7	5.7	5.7	5.7	5.3	5.7	4.3	.	5.3
PST-5MINK	4.3	5.7	6.3	5.7	5.3	5.7	4.0	.	5.3
PST-5TRN	5.0	5.3	5.3	6.0	6.0	5.7	3.7	.	5.3
AST8218LM	4.7	5.3	5.3	5.7	6.0	6.0	3.7	.	5.2
RAD-TF115 (TURBO SS)	5.0	5.0	5.0	5.3	5.7	5.3	4.7	.	5.1
RAD-TF131	4.7	4.7	5.0	5.3	6.0	5.7	4.3	.	5.1
OG-WALK	5.0	5.0	5.0	5.3	5.3	5.7	4.0	.	5.0
BAR 9FE MAS	5.0	5.3	5.0	5.3	5.7	5.3	3.0	.	5.0
MOONDANCE GLX	5.0	5.3	5.3	5.3	5.3	5.3	3.0	.	5.0
BAR-FA8230	4.7	4.7	5.3	5.7	5.7	5.3	3.0	.	4.9
BAR FA 8228	4.3	5.0	5.3	5.3	5.0	5.0	3.7	.	4.8
PALOMAR	4.3	5.0	5.7	5.0	5.0	5.0	3.0	.	4.7
KENTUCKY-31	3.0	2.3	3.3	3.0	3.0	3.0	3.0	.	3.0
LSD VALUE	1.0	1.1	1.0	1.0	0.9	0.9	0.9	.	0.5
C.V. (%)	11.3	11.6	10.0	9.9	8.8	9.0	12.7	.	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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/														
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
AST8118LM	6.3	6.7	8.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.0	7.3	7.1
OG-WALK	6.0	7.0	8.7	7.3	7.3	6.0	7.3	7.0	7.0	6.7	7.3	7.3	7.0	7.0	7.1
ATF2116	7.0	7.3	8.0	6.7	6.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0
BGR-TF3	6.3	7.3	8.3	7.3	6.7	7.3	7.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0
DLFPS-321/3703	6.0	7.0	8.7	7.3	7.3	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0
PST-5GLBS	6.0	7.3	8.0	6.7	6.7	6.3	7.7	7.0	6.7	6.7	6.7	7.3	6.7	7.0	7.0
RAD-TF115 (TURBO SS)	6.7	7.7	7.7	7.7	7.7	7.0	7.3	7.3	6.7	7.0	7.3	6.7	7.3	6.7	7.0
3N1	6.7	7.3	7.7	7.7	7.7	7.0	7.3	7.0	6.3	7.0	7.3	6.7	7.0	6.3	6.9
A-TF31	7.0	7.3	8.0	7.7	7.7	7.3	7.0	7.3	6.7	7.0	7.0	6.7	7.0	6.7	6.9
ATF1768	6.0	7.7	8.0	6.7	7.0	6.7	7.0	7.0	6.3	6.3	7.0	7.0	7.3	7.0	6.9
BRAVO 2	7.0	6.3	8.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	6.3	7.0	7.0	6.9
DLFPS-321/3696	6.3	7.7	7.7	7.3	7.3	6.7	7.3	6.7	6.7	6.7	7.3	7.0	7.0	6.3	6.9
GLX ACED (PST-5DART)	6.0	7.0	8.3	6.7	6.0	6.7	7.3	6.7	7.0	6.7	6.7	7.0	7.0	6.7	6.9
GRAND PRIX (FC15-01P)	5.0	7.0	8.0	7.3	6.3	6.7	7.0	6.7	6.7	6.7	6.7	7.7	6.7	7.0	6.9
GRO-PRO (SE53D2)	6.7	7.0	8.3	7.3	6.7	5.7	7.7	7.0	6.3	6.7	7.0	7.0	6.7	6.7	6.9
NAI-ST5	6.3	7.3	7.0	7.7	7.7	6.7	7.3	7.0	6.7	7.0	7.3	6.3	7.0	6.7	6.9
PADRE 2	5.7	6.7	7.7	7.3	8.3	6.7	7.0	7.0	7.0	6.7	7.3	7.0	7.0	6.3	6.9
PARAMOUNT	6.3	7.0	7.3	7.3	7.7	6.0	7.7	7.0	6.7	6.7	7.0	6.7	7.0	6.3	6.9
PPG-TF 257	6.0	6.7	8.3	8.0	6.3	6.3	7.0	7.0	7.0	7.0	6.7	7.0	6.7	6.7	6.9
SETFM3	6.3	7.7	7.3	7.3	8.0	7.0	7.3	7.0	6.3	6.7	7.3	6.3	7.0	7.0	6.9
TANK (PPG-TF 338)	6.0	7.3	8.7	6.0	6.0	6.3	7.7	6.7	6.3	6.7	6.7	7.3	7.0	6.7	6.9
TITANIUM G-LS (PPG-TF 255)	6.3	7.0	7.7	6.7	6.0	6.3	7.0	7.0	6.7	6.7	6.7	7.3	7.0	6.7	6.9
XANADU (JT 268)	6.3	7.7	7.3	6.3	7.0	6.7	7.0	7.0	6.3	7.0	6.7	7.3	7.0	6.7	6.9
AST8218LM	7.3	7.0	8.0	6.3	6.7	6.3	7.3	7.0	6.7	6.7	7.0	6.3	6.7	7.0	6.8
BANDIT	6.7	7.3	7.0	7.0	6.3	6.0	7.0	7.0	6.3	6.7	6.7	7.0	6.7	7.0	6.8
BAR FA 8228	6.3	7.7	8.0	7.7	6.0	6.7	7.3	7.0	6.3	6.7	7.0	6.7	7.0	6.7	6.8
BIRMINGHAM	6.7	6.7	9.0	7.3	7.0	6.3	6.7	7.0	6.3	6.7	6.7	7.3	7.0	7.0	6.8
BONFIRE (JS DTT)	6.3	6.7	7.7	6.7	7.3	6.0	7.0	6.7	7.0	6.7	7.0	6.7	6.7	6.3	6.8
BULLSEYE	5.3	7.0	7.0	7.0	6.3	6.3	7.3	7.0	6.7	6.3	6.7	7.0	7.0	6.7	6.8
DLFPS-321/3679	6.0	7.0	7.7	6.7	7.0	6.3	7.0	6.7	6.0	6.7	7.0	7.0	7.0	6.7	6.8
DLFPS-321/3694	6.7	6.3	8.7	7.7	7.0	7.0	7.0	6.7	6.7	6.7	7.3	6.7	7.0	6.3	6.8
DLFPS-321/3699	6.3	7.7	8.3	6.7	6.0	7.3	7.7	6.7	6.7	6.3	6.7	6.7	7.0	6.7	6.8
DLFPS-321/3702	5.7	7.0	8.0	7.3	6.7	6.7	7.3	7.0	6.3	6.3	6.7	7.0	7.0	6.7	6.8
DLFPS-321/3706	6.0	6.7	7.7	7.0	7.0	7.3	7.0	7.3	7.0	6.7	7.0	6.0	7.0	6.0	6.8
DLFPS-321/3708	7.0	7.7	6.7	6.7	7.3	6.7	7.3	6.7	7.0	6.7	6.7	6.7	6.7	7.0	6.8
DLFPS-TF/3553	5.7	7.3	8.3	6.3	6.3	7.3	7.3	6.7	6.0	6.7	6.7	7.0	7.3	7.0	6.8
FAYETTE	5.7	7.0	9.0	6.7	7.0	5.7	7.0	6.7	6.3	6.7	7.0	7.0	6.7	6.7	6.8
GO-AOMK	7.0	6.7	7.3	7.0	6.7	6.0	7.3	7.0	7.0	7.0	6.3	6.0	6.7	6.7	6.8
GO-RH20	5.0	7.0	8.7	7.7	6.0	6.0	7.3	7.0	6.3	6.3	6.7	7.3	6.7	6.3	6.8
GRANDE 3	6.0	6.7	8.3	7.3	6.7	7.0	7.0	7.0	7.0	6.7	6.7	6.3	7.0	6.7	6.8
HEMI	5.7	6.7	8.3	7.0	7.0	6.3	7.0	6.7	6.7	6.7	7.0	7.0	6.7	6.3	6.8
JT 233	5.3	6.7	8.0	6.7	7.3	6.7	7.3	6.3	6.3	7.0	7.0	6.7	7.0	6.7	6.8
K18-WB1	5.7	6.0	6.7	7.0	7.3	6.7	6.7	7.0	7.0	6.3	7.3	6.7	6.7	6.3	6.8
LBF	7.3	7.3	8.7	7.0	6.3	7.0	7.3	7.0	6.7	6.7	6.3	6.7	7.0	7.0	6.8
NATURALLY GREEN	7.0	7.0	8.0	7.3	7.3	6.0	6.7	7.0	7.0	7.0	7.0	6.3	6.7	7.0	6.8

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS									MEAN
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PALOMAR	6.3	7.0	7.0	7.7	7.0	6.0	7.3	7.0	6.3	6.7	7.0	7.0	6.7	6.7	6.8	
PPG-TF 306	6.7	7.0	7.3	6.0	7.3	6.7	7.0	6.7	6.7	6.7	7.0	6.7	7.0	6.7	6.8	
PRO GOLD	5.7	6.7	8.7	7.3	6.0	6.3	7.0	7.0	6.0	6.7	6.7	7.0	6.7	7.0	6.8	
PST-5DC24	6.7	7.0	7.3	7.3	7.3	7.0	7.0	7.0	6.3	6.7	7.0	6.7	7.0	7.0	6.8	
PST-5THM	6.7	6.7	8.7	7.0	7.0	6.3	7.0	7.0	6.7	6.3	7.0	6.7	7.0	6.7	6.8	
PST-5TRN	5.7	7.0	8.3	7.3	6.7	6.3	7.0	7.0	6.7	6.7	6.7	7.0	7.0	6.7	6.8	
RAD-TF131	5.7	7.3	7.3	7.0	6.3	7.7	6.7	7.0	6.7	6.7	7.0	6.7	7.0	7.0	6.8	
RAPTOR III	5.0	7.0	8.0	7.3	6.7	6.3	6.3	7.0	6.7	6.7	7.0	7.0	7.0	6.3	6.8	
SESSTAR	5.0	6.7	8.0	7.7	5.7	6.3	7.3	7.0	6.0	6.7	6.3	7.7	7.0	6.7	6.8	
SERENADE (PPG-TF 320)	6.0	6.7	9.0	6.3	7.3	6.0	7.7	6.7	6.3	7.0	7.3	6.3	6.7	6.3	6.8	
SETFM2	5.3	7.3	8.0	7.0	6.7	6.7	7.0	7.0	6.7	6.7	6.7	7.0	7.0	6.7	6.8	
TALLADEGA II (NAI-3N2)	6.3	7.0	8.0	7.3	8.3	6.3	7.3	7.0	6.3	6.3	7.3	6.7	6.7	6.3	6.8	
TANGO	6.3	7.0	7.7	7.3	6.3	6.3	7.3	7.0	6.7	7.0	6.7	6.0	6.7	6.7	6.8	
TD2	6.7	6.3	8.0	7.0	7.7	7.0	7.0	7.0	6.3	6.7	7.3	7.0	7.0	6.0	6.8	
TMT1	6.3	7.0	8.0	6.7	6.7	6.3	7.0	7.0	6.7	6.7	6.7	6.3	6.7	7.0	6.8	
BAR 9FE MAS	6.0	6.3	6.7	7.7	7.7	7.3	7.0	6.7	6.3	6.7	7.0	6.3	6.7	6.7	6.7	
BULLSEYE LTZ	5.0	6.3	8.3	6.7	7.0	7.0	7.3	7.0	6.7	6.3	7.0	6.3	6.7	6.3	6.7	
COPIOUS TF	6.3	6.3	8.3	7.0	6.0	6.0	7.0	6.7	6.7	6.7	6.7	7.0	6.7	6.0	6.7	
DLFPS-321/3701	6.3	7.3	7.7	7.0	6.0	7.0	7.0	6.7	6.3	6.7	6.7	6.7	7.0	6.7	6.7	
DLFPS-321/3705	5.7	6.7	8.0	7.0	7.0	5.7	7.0	7.0	6.3	6.7	7.0	7.0	6.3	6.3	6.7	
DLFPS-321/3707	5.3	7.0	6.3	7.0	7.0	6.7	7.0	7.0	7.0	6.7	6.7	6.7	6.7	6.0	6.7	
DLFPS-TF/3552	6.3	7.0	8.7	6.3	6.3	6.0	7.0	6.7	6.7	6.7	7.0	6.7	6.7	6.0	6.7	
FAIRFIELD (SETF104)	6.3	7.0	7.7	7.7	6.3	6.0	7.0	7.0	6.7	6.7	7.0	6.7	6.3	6.3	6.7	
FIREHAWK SLT	5.7	7.0	8.3	7.0	7.3	7.0	7.0	7.0	6.3	6.3	7.0	6.7	7.0	6.0	6.7	
K18-RS6	5.0	6.7	8.0	7.0	7.0	6.3	7.3	7.0	6.3	6.3	6.7	7.0	6.7	6.0	6.7	
NAI-FQZ-17	6.3	6.7	7.3	6.7	7.7	7.0	7.0	6.7	6.0	6.7	7.0	6.3	7.0	6.7	6.7	
NT-3	6.3	7.3	9.0	7.0	5.7	6.3	7.3	7.0	6.7	6.3	6.3	7.0	6.7	6.3	6.7	
PPG-TF 249	4.7	7.0	8.0	7.0	5.7	6.3	7.3	7.0	6.3	6.3	6.3	6.7	7.0	6.7	6.7	
PPG-TF 262	5.7	6.7	7.7	7.3	6.3	6.0	7.3	6.7	6.7	6.3	7.0	6.7	6.7	6.3	6.7	
PPG-TF 318	5.7	7.0	7.7	7.0	6.7	6.3	7.0	7.0	6.3	6.3	6.7	7.0	6.7	6.3	6.7	
PST-5DZM	6.3	6.0	7.3	8.0	6.7	7.7	6.7	7.0	7.0	6.3	7.0	6.0	7.0	6.7	6.7	
PST-5MINK	6.3	7.0	7.7	7.0	6.3	6.7	7.7	7.0	6.3	6.3	6.7	6.3	7.0	6.3	6.7	
RAD-TF105	6.0	6.7	6.7	7.7	7.0	5.3	6.7	7.0	6.7	6.3	7.0	6.7	6.0	7.0	6.7	
RC4	5.7	6.7	7.7	7.0	6.3	7.0	7.3	6.7	6.7	6.3	6.7	6.3	7.0	6.3	6.7	
RH1	5.7	6.7	7.7	7.0	6.0	7.0	7.0	6.7	7.0	6.3	6.7	6.7	7.0	6.0	6.7	
RHL2	5.7	6.3	6.0	7.3	7.3	7.0	6.7	6.7	7.0	6.7	7.0	6.0	7.0	6.3	6.7	
TITAN GLX (TF445)	6.3	6.3	8.7	6.7	7.7	6.7	7.0	6.7	6.7	6.7	7.0	7.0	6.7	5.7	6.7	
TOUGH (NAI-TUE)	6.3	6.3	7.3	7.7	5.7	6.3	6.7	7.0	6.3	6.3	6.3	7.0	6.7	7.0	6.7	
TRIAD (PPG-TF 323)	6.3	6.7	8.0	6.7	6.3	7.0	6.7	6.3	7.0	6.7	6.7	6.7	7.0	6.3	6.7	
3B2	7.0	6.0	8.3	8.0	7.0	7.0	6.7	6.7	6.7	7.0	6.7	6.3	7.0	6.0	6.6	
AVENGER III (PPG-TF 308)	5.7	7.0	8.7	7.0	6.7	6.0	7.0	6.7	6.3	6.0	7.0	7.0	6.7	6.0	6.6	
BAR-FA8230	5.0	6.7	7.0	7.0	5.7	6.0	7.0	6.7	6.7	6.0	6.7	7.0	6.7	6.3	6.6	
DEGAS (LTP-TF-111)	6.3	6.7	8.0	7.0	7.3	6.0	7.0	7.0	6.0	6.7	7.0	6.7	6.7	6.0	6.6	
DLFPS-321/3695	5.7	6.3	8.7	7.7	6.7	6.3	7.0	7.0	6.3	6.0	6.7	6.7	7.0	6.0	6.6	
DYNAMITE G-LS (PPG-TF 254)	6.0	7.0	7.3	7.0	7.3	6.0	7.7	7.0	6.7	6.0	7.0	6.3	6.3	6.0	6.6	

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS								MEAN
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GALACTIC (SESCR1)	5.7	7.0	6.7	7.0	6.3	7.0	7.0	6.7	6.7	6.3	6.7	6.3	7.0	6.3	6.6
JT 517	6.3	7.3	8.0	7.7	6.3	6.7	7.0	7.0	7.0	6.0	6.7	5.7	7.0	6.7	6.6
LIFEGUARD	6.3	6.7	8.0	7.3	6.7	6.0	7.0	7.0	6.7	6.3	6.7	5.7	7.0	6.7	6.6
MOONDANCE GLX	5.0	7.0	8.0	7.3	7.3	6.3	7.0	7.0	6.7	6.0	7.0	6.7	6.7	6.0	6.6
OKEEFE (LTP-TF-122)	5.3	6.3	8.7	7.3	6.0	6.3	7.0	7.0	6.3	6.3	6.7	7.0	6.7	6.0	6.6
PPG-TF 312	5.3	5.7	7.7	7.3	6.7	6.7	6.3	6.7	6.3	6.3	7.0	6.7	7.0	6.3	6.6
PPG-TF 316	6.0	6.3	8.0	7.0	6.7	7.0	6.3	7.0	6.3	6.3	6.7	6.7	7.0	6.3	6.6
PST-5BYOB	5.7	7.0	8.0	7.0	6.3	6.3	7.0	7.0	6.7	6.3	6.3	6.7	7.0	6.0	6.6
PST-5GQ	6.3	6.7	8.3	6.3	7.3	6.3	6.7	6.3	6.3	6.3	7.0	6.7	7.0	6.7	6.6
PST-5MCMO	6.0	6.7	7.7	7.3	7.3	7.0	7.0	7.0	6.3	6.3	7.0	6.0	7.0	6.3	6.6
RAPTOR LS (PPG-TF 336)	6.3	6.7	8.3	8.0	7.0	5.7	6.7	7.0	6.7	6.7	7.0	6.0	6.7	6.3	6.6
RHF	4.7	6.0	9.0	7.7	5.7	5.7	7.3	7.0	6.0	6.3	6.3	7.3	6.7	6.0	6.6
STEALTH (PPG-TF 238)	5.3	7.0	7.3	7.3	7.0	5.3	7.0	7.0	6.3	6.3	7.0	6.7	6.3	6.0	6.6
TEACHER (PPG-TF 313)	6.3	6.0	8.3	6.3	6.7	6.7	6.7	6.7	6.3	7.0	6.7	6.7	7.0	6.0	6.6
TITAN MAX (TF456)	5.7	6.7	9.0	6.7	6.0	6.3	7.0	6.7	6.3	6.7	6.7	7.0	6.7	6.0	6.6
AH1	5.0	7.0	8.0	8.0	6.0	6.0	7.3	7.0	6.7	6.0	6.3	6.3	6.3	6.0	6.5
DAYBREAK (AH2)	5.3	6.3	7.7	7.0	6.3	6.3	7.0	6.7	6.0	6.3	6.7	6.7	7.0	6.0	6.5
BY-TF-169	5.0	6.3	7.3	6.3	6.0	6.0	6.7	6.7	6.0	6.3	6.3	6.7	7.0	6.0	6.5
COL-TF-148	5.7	6.3	8.3	7.0	7.3	6.7	6.7	6.7	6.0	6.3	7.0	6.3	7.0	6.3	6.5
DLFPS-321/3693	5.7	6.0	9.0	7.0	6.0	7.7	6.7	6.3	6.7	6.3	6.7	6.3	7.0	6.3	6.5
DLFPS-TF/3550	6.3	6.7	7.7	6.7	6.7	8.0	6.7	6.7	6.3	6.3	6.7	6.3	6.7	6.7	6.5
ESCALADE	6.7	6.3	9.0	6.7	5.7	6.3	6.3	6.7	6.3	6.3	6.3	6.3	7.0	6.3	6.5
ESTRENA	6.0	6.3	5.7	7.0	7.0	7.0	7.0	7.0	6.3	6.7	6.7	6.0	6.7	6.0	6.5
FIRECRACKER G-LS (PPG-TF 315)	5.0	7.0	8.3	7.3	6.7	6.0	7.3	7.0	6.0	6.0	6.7	6.3	6.7	6.0	6.5
FIRENZA II (PPG-TF 244)	6.3	6.0	7.3	6.7	6.3	6.0	6.7	6.3	6.7	6.3	6.7	6.3	6.7	6.0	6.5
KIZZLE (K18-ROE)	6.3	6.3	8.3	7.3	6.7	6.0	6.7	7.0	6.3	6.0	7.0	6.7	6.3	6.3	6.5
MONUMENT (PST-5SQB)	6.0	5.3	6.7	7.0	7.0	6.0	6.0	6.0	6.7	6.3	7.0	6.7	6.7	6.3	6.5
NAI-ROS4	6.3	6.3	5.3	6.7	6.7	6.3	6.7	6.3	6.3	6.7	6.7	6.7	6.7	6.0	6.5
PPG-TF 231	5.3	6.3	7.7	7.0	7.3	6.0	7.0	7.0	6.3	6.7	6.7	6.3	6.3	6.0	6.5
PPG-TF 267	4.7	6.3	7.0	6.7	7.7	6.0	6.7	7.0	6.0	6.3	7.0	6.3	6.3	6.0	6.5
PST-5E6	5.7	6.0	7.7	7.3	6.7	6.7	7.0	6.7	6.3	6.3	6.7	6.7	6.7	6.0	6.5
RS1	5.7	6.3	8.7	6.7	6.7	6.7	7.0	6.7	6.3	6.7	6.7	6.3	6.3	6.3	6.5
SYMPHONY (PPG-TF 305)	5.7	6.3	6.3	6.7	6.3	6.3	7.0	6.3	6.3	6.0	6.3	6.7	6.7	6.7	6.5
ZION (BAR TF 134)	5.3	5.7	7.7	6.7	7.3	6.7	6.3	6.3	6.3	6.3	7.0	6.7	6.7	6.0	6.5
DRAGSTER	6.3	5.7	7.7	6.7	8.0	6.0	6.3	6.3	6.3	6.3	7.3	6.3	6.0	6.0	6.4
K18-NSE	6.3	6.0	6.0	7.0	6.7	7.3	6.7	6.7	6.7	6.3	6.7	5.7	6.7	5.7	6.4
KENTUCKY-31	4.3	5.7	8.0	6.0	7.0	6.7	7.0	6.3	6.0	5.7	6.7	6.3	6.7	6.3	6.4
PPG-TF 337	5.3	6.3	6.0	7.3	6.7	5.7	7.0	6.7	6.3	6.0	6.7	6.0	6.7	6.0	6.4
RH3	6.3	5.3	8.0	6.3	7.0	5.7	6.3	6.0	6.7	6.7	7.0	6.0	6.3	6.0	6.4
SPYDER 2LS (ZRC1)	4.7	6.0	7.7	7.3	6.7	5.7	6.7	7.0	6.3	6.0	6.7	6.3	6.0	6.0	6.4
5LSS	6.3	5.7	7.3	7.0	7.3	6.0	6.3	7.0	6.7	6.3	6.7	5.7	6.3	5.7	6.3
RDC	5.3	6.0	8.0	7.3	6.3	6.7	6.3	6.7	6.3	6.0	7.0	5.7	6.7	6.0	6.3
LSD VALUE	3.6	1.5	4.2	4.4	6.3	3.0	2.5	1.2	2.1	2.5	3.0	2.8	1.4	0.8	0.6
C.V. (%)	16.4	10.1	14.8	11.4	16.5	12.6	8.2	5.5	7.5	7.8	7.5	10.3	6.0	6.8	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 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

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

NAME	COLOR			PERCENT GROUND COVER APRIL-JULY & AUGUST-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
AST8118LM	7.7	6.3	8.0	90.0	95.0	86.0	86.0	61.0	95.0
OG-WALK	7.7	5.7	6.7	90.3	94.0	88.3	88.3	69.7	97.3
ATF2116	7.3	6.7	7.3	91.0	94.7	87.0	87.0	50.7	89.7
BGR-TF3	7.3	6.7	7.3	89.7	93.7	85.3	85.3	62.7	87.3
DLFPS-321/3703	7.0	6.0	6.0	91.7	93.0	87.7	87.7	68.3	96.3
PST-5GLBS	6.7	5.0	6.0	90.7	95.7	89.7	89.7	71.3	97.0
RAD-TF115 (TURBO SS)	7.7	6.3	7.0	81.0	91.0	77.7	77.7	52.7	92.7
3N1	7.7	6.7	5.7	91.7	91.0	88.7	88.7	46.3	90.3
A-TF31	7.0	6.3	6.7	83.3	91.7	87.3	87.3	58.3	88.7
ATF1768	7.7	6.0	6.3	83.3	92.0	92.3	92.3	59.7	96.0
BRAVO 2	6.3	5.7	6.7	80.7	89.0	85.3	85.3	49.0	92.0
DLFPS-321/3696	7.0	5.0	5.7	85.0	93.7	90.0	90.0	69.0	97.7
GLX ACED (PST-5DART)	6.7	5.3	6.7	89.7	96.7	94.7	94.7	70.0	94.3
GRAND PRIX (FC15-01P)	7.0	5.3	6.7	88.7	93.0	87.7	87.7	64.0	96.0
GRO-PRO (SE53D2)	7.0	5.0	6.0	90.0	90.7	94.3	94.3	66.7	98.0
NAI-ST5	7.3	6.0	6.0	87.3	93.3	90.7	90.7	46.7	92.3
PADRE 2	7.0	6.0	6.3	90.3	94.3	85.7	85.7	56.3	84.0
PARAMOUNT	7.3	5.3	5.3	91.7	93.3	91.3	91.3	49.3	94.7
PPG-TF 257	7.0	5.0	5.7	86.3	92.0	92.7	92.7	62.3	96.0
SETFM3	7.3	6.3	6.7	83.7	94.3	77.0	77.0	52.0	89.3
TANK (PPG-TF 338)	7.7	5.3	6.3	94.3	96.3	92.3	92.3	69.3	97.7
TITANIUM G-LS (PPG-TF 255)	7.7	5.3	5.7	92.0	94.0	91.0	91.0	62.0	97.0
XANADU (JT 268)	7.3	5.3	6.3	89.0	95.3	89.0	89.0	61.3	96.3
AST8218LM	7.3	7.0	7.3	85.7	93.0	87.0	87.0	46.3	88.3
BANDIT	7.3	6.3	7.0	82.0	92.3	85.0	85.0	63.3	92.3
BAR FA 8228	7.3	5.3	6.0	86.0	86.7	91.0	91.0	65.0	96.7
BIRMINGHAM	8.0	5.7	7.3	91.7	92.7	81.0	81.0	55.0	96.7
BONFIRE (JS DTT)	6.3	5.3	5.7	78.3	96.0	90.7	90.7	52.0	93.7
BULLSEYE	7.0	5.7	6.3	93.0	94.3	89.0	89.0	63.7	94.3
DLFPS-321/3679	7.3	6.0	6.7	89.3	94.0	89.0	89.0	59.3	94.3
DLFPS-321/3694	7.0	6.0	6.0	89.3	94.3	90.0	90.0	56.3	91.7
DLFPS-321/3699	7.7	6.0	6.3	91.0	96.0	94.3	94.3	55.0	95.7
DLFPS-321/3702	7.3	6.0	6.3	88.3	94.7	89.0	89.0	64.7	94.7
DLFPS-321/3706	6.3	5.7	5.3	90.7	96.3	92.3	92.3	48.0	92.3
DLFPS-321/3708	7.3	6.0	6.3	88.3	93.7	80.7	80.7	48.3	94.7
DLFPS-TF/3553	7.3	6.3	7.0	88.0	94.3	89.3	89.3	52.7	92.7
FAYETTE	6.7	5.7	5.7	90.3	95.0	87.0	87.0	61.0	96.7
GO-AOMK	6.3	6.0	7.0	85.7	94.0	84.0	84.0	46.3	85.7
GO-RH20	6.7	5.0	5.7	95.7	93.3	95.0	95.0	73.7	97.3
GRANDE 3	6.7	5.7	6.0	84.7	94.0	90.3	90.3	51.3	91.7
HEMI	7.0	5.0	6.3	86.0	97.0	89.3	89.3	66.3	96.7
JT 233	6.7	5.0	5.7	86.7	97.3	87.7	87.7	59.0	95.0
K18-WB1	6.7	5.0	5.7	89.0	93.3	94.0	94.0	57.7	95.3
LBF	7.7	6.7	7.7	88.0	95.0	88.3	88.3	50.3	90.7
NATURALLY GREEN	7.0	6.7	7.0	86.7	90.7	83.0	83.0	46.7	90.3

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

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

NAME	COLOR			PERCENT GROUND COVER APRIL-JULY & AUGUST-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
PALOMAR	7.3	6.0	6.7	90.7	95.0	90.7	90.7	59.7	90.0
PPG-TF 306	7.0	5.0	6.0	89.7	96.3	90.3	90.3	62.7	96.3
PRO GOLD	7.0	5.3	5.7	94.3	96.3	93.0	93.0	65.7	95.0
PST-5DC24	7.0	6.3	7.3	79.7	92.3	88.0	88.0	55.3	91.3
PST-5THM	7.0	5.7	5.7	90.7	94.3	90.3	90.3	57.0	92.7
PST-5TRN	7.0	5.3	5.7	82.0	95.7	92.0	92.0	58.3	94.3
RAD-TF131	7.3	6.3	6.7	81.7	91.3	83.3	83.3	58.0	90.7
RAPTOR III	7.0	5.3	5.3	89.7	97.0	87.7	87.7	60.0	95.3
SE5STAR	7.3	5.0	6.3	93.3	93.0	89.7	89.7	75.3	98.3
SERENADE (PPG-TF 320)	6.3	5.0	5.7	95.0	96.0	89.0	89.0	69.7	97.7
SETFM2	7.3	5.7	7.0	86.7	96.0	82.7	82.7	59.0	92.0
TALLADEGA II (NAI-3N2)	6.3	5.7	5.7	92.0	94.7	93.3	93.3	61.0	95.0
TANGO	6.7	6.0	6.3	89.7	95.7	90.0	90.0	43.0	89.3
TD2	7.3	5.7	5.0	93.3	96.0	88.3	88.3	55.0	94.3
TMT1	6.7	6.3	6.7	81.3	95.7	89.7	89.7	55.7	91.3
BAR 9FE MAS	6.7	6.0	6.0	85.0	84.7	79.3	79.3	47.0	85.0
BULLSEYE LTZ	6.3	5.3	5.7	91.0	97.0	87.0	87.0	64.0	91.7
COPIOUS TF	7.0	5.3	5.3	82.3	90.0	91.7	91.7	59.3	93.7
DLFPS-321/3701	7.0	6.7	6.0	81.3	90.3	81.7	81.7	52.0	91.7
DLFPS-321/3705	6.7	4.7	5.3	87.7	96.0	92.0	92.0	77.0	98.0
DLFPS-321/3707	7.3	5.3	5.0	87.0	94.7	93.0	93.0	54.7	90.0
DLFPS-TF/3552	7.3	6.3	6.0	89.7	95.3	92.0	92.0	53.7	86.7
FAIRFIELD (SETF104)	7.0	5.3	6.0	85.0	93.3	93.3	93.3	53.0	89.3
FIREHAWK SLT	6.7	5.3	5.0	93.0	91.7	92.7	92.7	58.0	93.0
K18-RS6	6.3	4.7	4.3	90.7	95.3	90.3	90.3	63.7	95.3
NAI-FQZ-17	7.3	6.7	6.0	88.0	93.7	72.3	72.3	47.0	81.7
NT-3	7.0	5.7	6.0	88.3	95.3	87.0	87.0	63.3	97.3
PPG-TF 249	7.0	5.3	6.3	91.7	96.0	92.0	92.0	58.0	94.0
PPG-TF 262	6.3	5.0	5.7	90.7	94.7	94.7	94.7	59.0	93.0
PPG-TF 318	6.3	5.3	5.3	90.7	93.0	93.0	93.0	71.7	96.0
PST-5DZM	6.7	5.7	6.7	81.3	93.0	92.7	92.7	52.0	89.7
PST-5MINK	7.3	6.0	6.3	82.0	95.3	85.0	85.0	49.3	91.7
RAD-TF105	6.3	5.3	7.0	86.0	95.0	81.3	81.3	62.7	92.7
RC4	6.7	5.7	5.3	86.0	90.3	92.7	92.7	55.0	95.3
RH1	6.3	5.3	5.0	89.7	95.0	95.7	95.7	67.0	93.3
RHL2	6.3	5.0	5.3	87.7	95.0	89.0	89.0	48.7	95.0
TITAN GLX (TF445)	7.3	4.7	5.0	88.7	95.3	90.7	90.7	62.0	92.0
TOUGH (NAI-TUE)	7.3	5.7	6.7	88.3	95.0	92.0	92.0	54.7	92.7
TRIAD (PPG-TF 323)	6.7	5.7	6.3	80.7	94.7	80.0	80.0	50.0	92.7
3B2	6.3	5.3	5.3	82.0	92.7	84.3	84.3	48.3	92.3
AVENGER III (PPG-TF 308)	7.7	5.0	5.0	92.3	95.7	93.0	93.0	60.3	97.0
BAR-FA8230	6.7	5.7	5.7	96.0	95.7	92.0	92.0	68.3	93.3
DEGAS (LTP-TF-111)	6.3	5.3	4.7	90.7	95.3	95.0	95.0	56.0	96.7
DLFPS-321/3695	6.7	6.0	5.0	93.7	93.3	96.3	96.3	62.3	89.7
DYNAMITE G-LS (PPG-TF 254)	6.7	4.7	5.0	86.7	96.3	94.0	94.0	60.0	94.0

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2021 DATA

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

NAME	COLOR			PERCENT GROUND COVER APRIL-JULY & AUGUST-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
GALACTIC (SESCR1)	6.7	5.7	5.7	75.0	90.3	94.3	94.3	51.0	91.7
JT 517	7.0	7.0	6.0	79.3	92.0	94.0	94.0	42.0	83.7
LIFEGUARD	6.3	5.3	5.7	94.0	95.0	92.7	92.7	55.3	97.3
MOONDANCE GLX	6.3	5.3	5.7	88.0	93.7	93.3	93.3	56.7	90.0
OKEEFE (LTP-TF-122)	6.7	5.7	5.3	90.7	95.3	93.3	93.3	51.0	95.7
PPG-TF 312	6.7	5.3	5.3	88.0	95.0	90.0	90.0	55.0	94.0
PPG-TF 316	7.7	5.7	6.0	77.7	92.0	92.0	92.0	51.0	93.3
PST-5BYOB	7.3	5.3	5.0	84.7	95.7	95.3	95.3	50.0	95.0
PST-5GQ	6.7	5.7	6.3	92.0	96.3	87.0	87.0	53.3	93.7
PST-5MCMO	5.7	6.3	6.0	85.0	91.7	91.3	91.3	43.7	90.7
RAPTOR LS (PPG-TF 336)	6.3	4.7	5.0	87.3	94.3	93.0	93.0	55.0	95.0
RHF	6.7	5.0	4.7	93.3	98.0	92.3	92.3	72.3	97.0
STEALTH (PPG-TF 238)	7.0	5.3	5.0	80.7	94.3	95.7	95.7	51.3	91.7
TEACHER (PPG-TF 313)	6.0	5.0	4.3	85.0	95.7	89.3	89.3	56.3	94.3
TITAN MAX (TF456)	6.7	5.0	5.3	91.0	95.7	91.7	91.7	64.0	95.3
AH1	6.7	5.0	5.0	88.7	91.7	89.3	89.3	60.7	95.7
DAYBREAK (AH2)	7.0	5.7	5.3	91.3	93.7	93.3	93.3	56.7	91.3
BY-TF-169	7.0	5.3	5.3	86.7	96.3	94.7	94.7	56.0	96.3
COL-TF-148	6.3	5.3	5.7	86.3	96.7	90.7	90.7	48.7	92.0
DLFPS-321/3693	7.0	5.7	6.0	89.7	96.7	85.3	85.3	44.7	92.0
DLFPS-TF/3550	6.7	6.3	7.0	79.0	94.7	89.0	89.0	37.3	73.0
ESCALADE	6.3	5.7	5.7	87.3	95.3	79.0	79.0	52.3	94.7
ESTRENA	6.3	6.0	4.7	85.7	95.3	92.0	92.0	43.7	84.7
FIRECRACKER G-LS (PPG-TF 315)	6.7	5.3	5.0	93.3	97.0	95.7	95.7	61.3	92.7
FIRENZA II (PPG-TF 244)	6.7	5.3	4.3	82.0	88.3	94.3	94.3	55.3	96.7
KIZZLE (K18-ROE)	6.7	5.3	5.3	89.0	91.0	95.7	95.7	53.0	94.7
MONUMENT (PST-5SQB)	6.7	5.3	6.0	75.0	88.7	91.0	91.0	64.0	94.7
NAI-ROS4	6.7	5.3	5.3	89.0	94.7	90.7	90.7	57.7	90.3
PPG-TF 231	6.0	5.3	5.3	84.3	94.7	89.0	89.0	57.0	93.0
PPG-TF 267	7.0	5.3	5.3	80.0	93.3	94.0	94.0	48.3	86.7
PST-5E6	6.3	5.7	4.7	85.0	96.0	94.3	94.3	54.3	91.7
RS1	7.3	6.0	5.7	93.3	96.0	91.0	91.0	51.7	84.3
SYMPHONY (PPG-TF 305)	7.0	5.3	6.3	76.3	94.3	86.7	86.7	57.0	90.3
ZION (BAR TF 134)	6.3	5.7	4.3	89.7	95.0	94.7	94.7	61.7	92.7
DRAGSTER	6.0	5.3	4.3	77.7	91.3	93.7	93.7	50.0	88.0
K18-NSE	6.3	5.3	5.0	80.3	88.0	93.3	93.3	40.3	85.0
KENTUCKY-31	5.7	5.7	6.3	87.0	97.0	94.7	94.7	47.3	88.7
PPG-TF 337	6.3	5.7	5.0	84.0	95.3	95.0	95.0	47.3	86.7
RH3	6.3	4.7	4.3	83.3	96.0	92.3	92.3	48.0	93.7
SPYDER 2LS (ZRC1)	6.0	4.3	4.0	90.3	95.0	94.7	94.7	63.0	96.0
5LSS	6.0	5.3	4.7	86.3	97.3	95.0	95.0	37.7	88.0
RDC	5.7	4.7	5.0	80.0	93.0	95.0	95.0	54.3	89.7
LSD VALUE	2.2	1.6	1.2	49.0	9.4	15.3	15.3	60.3	33.7
C.V. (%)	10.7	12.7	12.7	9.9	3.6	6.9	6.9	24.0	7.5

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 11.

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

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

NAME	WEAR TOLERANCE RATINGS				QUALITY RATINGS							
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DRAGSTER	5.3	5.3	5.0	6.3	6.7	6.7	5.7	5.7	6.7	6.7	5.7	6.3
BONFIRE (JS DTT)	5.0	4.7	4.7	6.3	6.3	6.0	6.0	6.0	6.0	6.7	5.3	6.1
DLFPS-321/3679	5.0	5.3	4.3	6.3	6.0	6.7	5.7	6.0	6.7	6.3	5.3	6.1
PPG-TF 306	5.3	5.7	5.7	6.0	5.3	6.3	6.3	6.0	6.7	6.7	5.7	6.1
TRIAD (PPG-TF 323)	5.3	5.3	4.3	6.3	6.3	6.0	5.7	6.3	6.7	6.0	5.3	6.1
DEGAS (LTP-TF-111)	5.7	5.7	5.3	5.7	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.0
NAI-ROS4	5.7	6.0	5.7	5.3	5.7	6.3	5.7	6.7	6.0	7.0	5.7	6.0
PARAMOUNT	5.7	5.7	5.7	6.0	5.3	6.3	6.3	6.0	6.3	6.0	5.7	6.0
RC4	4.7	5.3	5.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3	5.3	6.0
RHL2	5.7	6.0	5.3	5.3	5.7	6.3	6.3	6.3	6.0	6.3	5.7	6.0
TMT1	6.0	6.3	5.3	6.0	5.7	6.3	5.7	6.3	6.0	6.3	5.3	6.0
5LSS	5.3	5.7	4.3	6.3	5.0	5.3	6.3	6.7	6.0	6.3	5.3	5.9
AH1	6.3	6.0	6.3	6.0	5.0	6.0	5.7	6.3	6.3	6.3	5.7	5.9
BULLSEYE LTZ	5.7	5.3	5.0	5.7	5.3	6.7	6.0	6.0	6.3	6.0	5.0	5.9
DLFPS-TF/3552	5.0	5.0	5.0	5.7	5.3	6.3	5.7	5.7	6.3	6.3	5.7	5.9
JT 233	5.3	5.3	5.0	6.3	5.7	6.3	6.0	6.0	5.7	6.0	5.0	5.9
K18-RS6	5.3	5.0	4.3	6.3	5.7	6.0	6.3	6.3	5.3	6.3	4.7	5.9
NT-3	6.0	5.7	5.0	6.3	6.0	5.7	5.3	6.0	6.0	6.7	5.0	5.9
PPG-TF 249	5.3	5.3	5.0	6.0	6.7	6.0	5.7	5.3	6.0	5.7	5.7	5.9
PPG-TF 262	4.7	5.7	5.3	6.3	5.3	6.0	5.3	6.7	6.3	5.7	5.3	5.9
PPG-TF 316	5.7	6.0	5.3	6.0	6.0	6.0	5.3	6.3	6.0	6.3	5.0	5.9
PPG-TF 318	5.3	5.7	5.0	6.7	5.3	6.3	5.3	6.3	6.3	5.7	5.3	5.9
RH1	5.0	6.3	5.3	6.3	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.9
SPYDER 2LS (ZRC1)	5.7	6.0	5.7	6.0	5.0	5.3	6.3	6.0	6.7	6.3	5.3	5.9
STEALTH (PPG-TF 238)	4.7	5.3	4.3	6.3	5.7	6.0	5.7	5.7	6.0	6.3	5.3	5.9
DLFPS-321/3696	5.3	5.3	5.0	5.7	5.3	6.3	5.3	6.0	6.0	6.7	4.7	5.8
DLFPS-321/3699	5.0	5.3	4.3	5.7	5.3	6.0	5.7	6.7	6.0	6.3	5.0	5.8
GALACTIC (SESCR1)	5.7	5.3	4.3	6.3	5.3	5.7	5.0	6.0	6.3	6.0	5.3	5.8
PPG-TF 231	5.3	5.7	6.0	5.7	5.3	6.0	5.7	6.3	6.0	6.3	4.7	5.8
PRO GOLD	5.7	5.7	6.0	5.3	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.8
RAPTOR LS (PPG-TF 336)	6.3	6.0	5.7	5.3	6.0	5.7	6.3	5.7	6.7	6.0	5.0	5.8
RH3	5.7	6.0	5.0	5.3	6.0	5.3	5.3	6.0	6.3	6.7	5.3	5.8
SYMPHONY (PPG-TF 305)	4.7	5.0	5.7	5.7	5.7	5.3	5.7	6.3	6.0	6.3	5.3	5.8
TANK (PPG-TF 338)	5.0	5.7	4.7	6.0	5.7	6.3	5.7	5.7	6.0	6.0	5.0	5.8
XANADU (JT 268)	5.7	6.0	5.7	5.3	5.7	6.0	5.3	6.0	6.3	6.0	6.0	5.8
DAYBREAK (AH2)	5.3	6.0	5.7	5.7	5.3	5.7	5.0	6.0	6.3	6.0	5.3	5.7
DLFPS-321/3694	6.0	5.7	5.0	5.3	5.3	5.7	5.7	6.0	6.0	6.0	5.3	5.7
DLFPS-321/3703	5.7	4.7	4.3	6.0	5.3	6.0	5.7	5.7	6.0	6.0	5.0	5.7
DLFPS-TF/3553	5.7	5.3	5.0	6.0	5.3	5.7	5.7	6.0	6.0	6.0	5.0	5.7
ESTRENA	5.7	5.7	5.0	5.3	6.3	5.7	5.0	6.0	6.3	5.7	5.3	5.7
K18-WB1	6.3	5.3	5.0	5.7	5.0	6.0	5.7	5.7	6.0	6.0	5.3	5.7
OKEEFE (LTP-TF-122)	5.3	5.7	5.0	5.7	5.3	6.0	5.7	5.3	6.3	5.7	5.7	5.7
PST-5GLBS	4.7	5.0	4.3	5.7	5.7	6.0	5.3	5.7	5.7	6.0	5.7	5.7
RAD-TF105	5.0	5.7	5.7	5.7	5.3	6.3	5.3	5.3	6.3	6.3	5.0	5.7
DLFPS-321/3702	6.0	5.7	5.0	5.3	5.3	6.0	5.3	5.7	6.0	6.0	5.3	5.6

TABLE 11.
(CONT'D)

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

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3707	4.7	5.0	5.3	5.3	5.7	5.7	5.7	5.7	5.7	6.0	5.0	5.6
DLFPS-TF/3550	5.3	5.7	5.7	5.0	5.7	6.0	5.3	5.0	6.0	6.0	5.7	5.6
GO-RH20	5.3	5.3	5.3	5.3	5.3	6.0	5.3	6.3	6.0	5.3	5.0	5.6
GRANDE 3	5.3	5.7	5.0	5.3	5.3	5.7	5.7	5.7	5.3	6.0	5.7	5.6
HEMI	5.3	5.3	5.3	5.7	5.3	6.0	5.7	5.7	6.0	6.0	4.7	5.6
NATURALLY GREEN	5.7	5.0	4.7	5.7	6.0	5.7	5.3	5.7	6.0	5.7	5.0	5.6
PPG-TF 267	5.3	5.3	5.0	5.3	5.3	5.7	6.0	6.0	5.7	6.0	5.0	5.6
PPG-TF 337	5.3	5.3	5.0	6.3	5.7	5.3	5.0	5.3	6.0	6.0	5.3	5.6
TALLADEGA II (NAI-3N2)	5.7	5.3	5.3	6.0	5.7	5.0	5.3	5.7	6.3	6.0	5.0	5.6
TITAN MAX (TF456)	5.0	4.7	5.0	5.3	5.0	5.3	5.7	6.3	6.0	6.3	4.7	5.6
ZION (BAR TF 134)	5.7	5.0	4.7	5.3	5.7	5.0	6.3	5.3	6.0	6.0	5.0	5.6
BGR-TF3	6.0	5.7	5.3	5.3	5.7	5.7	5.3	5.0	6.0	5.7	5.0	5.5
COL-TF-148	5.7	6.0	5.7	5.7	5.3	6.0	5.7	6.0	5.3	5.7	4.7	5.5
DLFPS-321/3693	5.0	5.3	5.3	5.3	5.3	5.0	5.0	6.0	6.0	6.0	5.0	5.5
DLFPS-321/3701	5.7	5.7	5.0	5.3	5.0	5.3	5.3	5.3	6.0	6.0	5.3	5.5
DLFPS-321/3705	5.0	5.0	5.3	4.7	5.7	6.0	6.0	5.3	6.0	5.3	5.0	5.5
DYNAMITE G-LS (PPG-TF 254)	5.0	5.7	5.3	6.0	5.3	6.0	5.3	6.0	5.7	5.3	4.7	5.5
FAIRFIELD (SETF104)	5.0	5.3	5.0	6.3	5.0	5.7	5.7	5.7	5.3	6.0	4.7	5.5
FIRENZA II (PPG-TF 244)	5.7	6.0	5.7	5.3	5.3	5.7	5.3	6.3	6.0	5.3	5.0	5.5
GRO-PRO (SE53D2)	5.7	6.3	5.3	5.7	5.3	5.0	4.7	6.0	6.0	6.3	4.7	5.5
JT 517	5.3	5.3	5.3	5.0	5.0	5.3	5.7	5.7	6.0	6.0	5.3	5.5
K18-NSE	6.3	5.7	4.7	5.0	4.7	5.3	5.3	6.0	6.0	6.3	5.3	5.5
LIFEGUARD	5.3	5.7	5.7	5.0	5.3	5.3	5.7	6.0	6.0	6.0	5.0	5.5
PPG-TF 257	5.0	5.0	5.3	5.3	5.3	5.7	6.0	5.3	5.7	5.7	5.3	5.5
PST-5BYOB	6.7	5.3	5.3	5.0	5.7	5.7	5.3	5.3	5.3	6.3	5.0	5.5
RDC	5.3	5.7	4.7	5.0	5.3	6.0	5.3	5.7	5.7	6.0	5.3	5.5
RHF	5.7	5.7	5.0	4.7	5.7	5.7	5.3	5.7	6.7	5.7	4.3	5.5
RS1	6.0	5.7	5.3	5.3	5.3	5.7	5.3	5.3	6.7	5.3	4.7	5.5
SE5STAR	5.0	5.3	4.7	6.0	5.0	5.7	5.7	5.7	5.7	5.7	4.7	5.5
SERENADE (PPG-TF 320)	4.7	5.3	4.3	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.3	5.5
SETFM3	6.0	5.3	5.0	5.0	5.3	5.3	5.7	5.3	6.3	5.7	5.7	5.5
TD2	5.3	5.7	5.3	6.0	5.3	5.7	5.3	5.7	5.3	6.0	5.0	5.5
TITANIUM G-LS (PPG-TF 255)	5.0	5.3	5.0	5.0	5.0	5.7	5.3	5.3	6.3	5.7	5.3	5.5
ATF1768	5.0	5.3	4.3	5.0	5.7	5.3	5.3	6.0	5.7	5.7	4.7	5.4
AVENGER III (PPG-TF 308)	5.7	6.0	5.7	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.0	5.4
BULLSEYE	5.3	5.0	5.3	5.7	5.3	5.3	5.3	5.7	5.3	5.7	5.0	5.4
BY-TF-169	6.3	6.3	6.3	5.0	5.0	5.3	6.0	5.3	5.7	5.3	5.3	5.4
COPIOUS TF	5.7	5.3	4.7	5.3	5.0	5.7	5.3	5.3	6.0	5.3	5.3	5.4
FIRECRACKER G-LS (PPG-TF 315)	5.0	5.0	6.0	5.0	5.3	5.3	5.3	5.3	6.0	6.0	5.0	5.4
FIREHAWK SLT	5.0	6.0	5.7	5.3	5.3	5.3	5.3	5.7	6.0	5.3	5.0	5.4
KIZZLE (K18-ROE)	5.0	5.7	5.3	5.0	5.0	5.7	5.3	5.3	5.7	5.7	5.7	5.4
NAI-ST5	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.3	6.0	5.7	5.0	5.4
PST-5GQ	5.0	5.3	4.3	5.3	5.3	5.7	5.7	6.0	5.3	5.3	4.7	5.4
TITAN GLX (TF445)	5.3	5.3	4.3	5.3	5.0	5.7	5.3	5.7	5.7	5.7	4.7	5.4
3B2	5.3	5.3	4.3	5.3	5.0	5.7	5.3	5.3	5.0	6.0	5.0	5.3

TABLE 11.
(CONT'D)

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

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
3N1	6.0	5.3	5.7	5.0	5.3	5.3	5.0	5.3	5.3	6.0	5.3	5.3
A-TF31	5.3	5.0	4.3	5.7	5.0	5.0	5.3	5.3	5.7	5.7	5.0	5.3
BANDIT	6.7	6.0	6.7	5.3	5.0	5.3	5.0	5.0	6.0	5.7	5.0	5.3
BIRMINGHAM	5.0	5.3	5.0	5.7	5.0	5.3	5.3	5.3	5.7	5.3	5.0	5.3
DLFPS-321/3695	5.3	5.7	5.7	5.3	5.0	5.7	5.3	5.0	5.3	6.0	5.0	5.3
DLFPS-321/3706	5.3	5.0	4.7	5.0	4.7	5.0	5.3	5.3	6.3	5.3	5.0	5.3
DLFPS-321/3708	4.7	5.3	4.7	5.0	5.0	5.7	5.3	5.0	5.3	5.3	5.3	5.3
ESCALADE	5.7	5.3	5.0	5.3	5.3	5.7	5.3	5.3	5.3	5.7	4.7	5.3
FAYETTE	6.0	5.7	5.7	5.0	5.0	5.0	5.3	5.7	6.0	5.7	5.0	5.3
GLX ACED (PST-5DART)	5.0	5.3	4.7	5.3	5.0	5.7	5.3	5.0	5.7	5.7	4.3	5.3
PADRE 2	5.3	5.7	5.0	5.3	5.0	5.7	4.7	5.3	5.7	5.7	4.7	5.3
PST-5DC24	5.3	5.7	5.0	4.7	5.0	5.3	5.7	5.7	5.3	6.0	5.0	5.3
PST-5DZM	5.7	4.7	4.3	5.3	5.3	5.3	5.3	5.7	5.3	5.7	4.7	5.3
TEACHER (PPG-TF 313)	5.7	5.3	5.0	5.3	4.7	5.3	5.7	5.0	6.0	5.7	5.0	5.3
TOUGH (NAI-TUE)	5.7	5.3	6.0	5.0	5.3	5.7	5.3	5.0	5.3	5.3	5.3	5.3
MONUMENT (PST-5SQB)	6.0	5.7	5.3	5.0	5.3	5.3	5.0	5.3	5.0	5.7	5.0	5.2
PST-5MINK	4.3	5.0	5.3	5.3	5.0	5.3	5.0	5.7	5.3	5.3	4.3	5.2
RAPTOR III	5.3	5.0	5.7	4.7	4.3	5.7	5.3	5.7	5.7	5.3	5.0	5.2
LBF	5.3	5.0	5.3	5.0	5.0	5.0	5.3	4.7	5.7	5.0	5.3	5.1
PST-5E6	5.0	5.7	5.0	5.7	5.3	5.7	4.7	5.3	4.7	5.3	4.0	5.1
PST-5MCMO	6.0	5.0	5.0	5.3	5.0	5.3	5.0	5.0	5.3	5.3	4.7	5.1
PST-5THM	5.7	5.0	5.0	4.7	5.0	5.7	5.0	5.3	5.3	5.3	4.3	5.1
SETFM2	6.0	5.3	5.0	5.0	5.0	5.3	5.3	5.0	5.3	5.0	5.0	5.1
AST8118LM	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
BAR-FA8230	5.7	5.3	5.3	5.0	4.7	5.3	5.0	5.3	5.3	5.3	4.0	5.0
GRAND PRIX (FC15-01P)	5.7	5.3	4.7	5.3	5.0	5.0	5.0	5.0	5.0	5.3	4.7	5.0
MOONDANCE GLX	5.3	5.0	5.0	5.3	5.0	5.3	5.0	5.0	4.7	5.3	4.0	5.0
NAI-FQZ-17	5.3	5.3	4.7	4.3	4.7	5.0	4.7	5.3	6.0	5.0	4.7	5.0
PPG-TF 312	5.0	5.0	5.0	6.0	4.3	5.3	4.3	5.0	5.3	5.7	4.3	5.0
PST-5TRN	5.7	5.3	5.7	4.7	4.7	5.3	5.0	4.7	5.3	5.7	5.0	5.0
RAD-TF115 (TURBO SS)	5.7	5.3	5.3	4.7	5.0	5.3	5.0	5.0	5.3	5.3	4.7	5.0
RAD-TF131	5.0	5.0	4.7	4.7	5.0	5.0	5.0	5.3	5.3	5.3	4.3	5.0
TANGO	4.7	5.0	4.3	5.3	5.0	5.3	4.3	5.3	5.0	5.3	4.3	5.0
ATF2116	5.0	4.7	4.3	4.7	5.0	5.3	4.7	5.0	5.3	5.0	4.3	4.9
BRAVO 2	5.3	5.3	5.0	5.0	5.0	5.3	4.7	5.3	4.3	5.3	4.3	4.9
GO-AOMK	5.3	5.7	5.3	4.7	4.3	5.0	5.0	5.3	5.0	5.3	4.3	4.9
PALOMAR	4.7	5.0	4.3	4.7	5.3	5.0	4.3	5.7	5.0	4.7	4.3	4.9
AST8218LM	5.0	5.3	4.0	4.7	4.7	5.0	4.7	5.0	4.7	5.0	4.3	4.8
BAR FA 8228	5.0	5.0	4.3	4.3	4.3	4.7	4.7	4.7	4.7	5.0	4.3	4.6
OG-WALK	5.3	5.3	4.0	4.7	4.7	5.0	4.0	5.0	4.7	5.0	4.0	4.6
BAR 9FE MAS	5.0	4.7	4.0	4.7	4.3	4.7	4.3	4.3	4.7	5.0	4.3	4.5
KENTUCKY-31	4.0	3.3	3.0	3.3	2.0	3.3	3.0	3.7	3.0	3.3	3.0	3.1
LSD VALUE	1.5	1.0	1.3	1.2	1.0	1.1	0.9	0.8	1.0	0.8	0.7	0.5
C.V. (%)	11.8	9.2	12.9	11.6	10.4	9.8	9.8	8.4	9.8	8.0	8.2	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 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY APRIL 26		FULLNESS OF CANOPY APRIL 26		UNIFORMITY JUNE 10		FULLNESS OF CANOPY JUNE 10		PERCENT GREEN COVER JUNE 11	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
	PPG-TF 267	7.0	6.3	73.3	70.0	9.0	7.7	97.7	80.0	92.0
PRO GOLD	7.0	7.0	70.0	75.0	8.7	7.3	95.0	78.3	94.3	82.7
PST-5BYOB	7.0	4.7	70.0	53.3	8.7	6.0	95.0	68.3	92.0	82.7
CAPITAN (DLFPS-321/3705)	6.0	3.7	63.3	45.0	8.7	5.3	89.7	51.7	93.0	82.0
DAYBREAK (AH2)	5.3	4.3	53.3	48.3	8.7	6.3	88.3	66.7	93.7	80.7
PPG-TF 231	6.7	6.3	76.7	70.0	9.0	7.3	99.0	73.3	91.7	80.7
RH1	6.3	6.0	68.3	65.0	9.0	6.7	96.3	70.0	92.3	80.7
DEGAS (LTP-TF-111)	5.3	6.0	60.0	63.3	8.7	6.3	91.7	65.0	93.0	80.3
FIREHAWK SLT	5.3	5.0	58.3	55.0	9.0	5.0	92.7	61.7	92.7	80.0
MOONDANCE GLX	6.0	4.7	66.7	46.7	8.0	5.7	88.3	63.3	92.3	80.0
PADRE 2	6.0	6.3	61.7	66.7	9.0	6.7	95.0	66.7	92.0	79.7
PPG-TF 306	6.7	6.7	73.3	71.7	9.0	7.3	99.0	78.3	92.3	79.7
PST-5DC24	5.3	5.3	58.3	58.3	8.7	6.7	91.7	73.3	91.3	79.3
PST-5TRN	7.3	5.7	78.3	63.3	8.3	7.3	96.3	71.7	91.0	79.3
RH3	6.3	6.3	75.0	65.0	9.0	7.3	96.3	73.3	90.7	79.3
ESTRENA	6.0	6.0	63.3	65.0	8.7	6.3	91.7	56.7	90.3	79.0
GLX ACED (PST-5DART)	7.0	7.7	70.0	70.0	8.7	7.7	91.7	78.3	92.3	78.7
ROWDIER (DLFPS-321/3699)	6.7	6.0	70.0	63.3	9.0	7.0	94.7	70.0	90.3	78.7
DLFPS-321/3706	6.3	5.3	66.7	55.0	8.7	5.7	94.7	58.3	92.0	78.3
PPG-TF 318	4.3	5.0	46.7	56.7	7.7	6.7	85.0	61.7	91.0	78.3
TD2	6.0	5.3	70.0	60.0	8.7	6.7	97.7	66.7	90.3	78.3
3N1	5.3	5.7	63.3	58.3	9.0	6.7	96.0	73.3	91.7	78.0
BULLSEYE	5.7	5.3	58.3	55.0	8.3	6.3	86.7	65.0	91.3	78.0
DLFPS-321/3707	5.7	4.7	65.0	50.0	9.0	6.0	96.3	58.3	90.7	78.0
FIRECRACKER G-LS (PPG-TF 315)	6.7	4.7	73.3	51.7	9.0	6.0	99.0	63.3	90.7	78.0
GRANDE 3	4.3	4.0	48.3	43.3	8.0	5.3	75.0	53.3	93.0	78.0
NAI-ROS4	7.0	6.7	70.0	68.3	8.3	6.7	91.3	75.0	91.0	78.0
RAPTOR LS (PPG-TF 336)	6.7	5.3	73.3	68.3	9.0	7.0	94.7	71.7	92.0	78.0
SPYDER 2LS (ZRC1)	6.0	5.7	65.0	66.7	8.3	6.0	89.7	66.7	91.3	78.0
TOUGH (NAI-TUE)	5.7	5.7	56.7	51.7	8.7	6.0	91.7	70.0	92.7	78.0
BY-TF-169	6.7	5.0	70.0	60.0	9.0	6.0	96.3	56.7	89.7	77.7
DLFPS-321/3708	6.0	6.3	65.0	66.7	9.0	6.3	96.0	68.3	90.7	77.7
HOUND OG NINE (DLFPS-321/3702)	9.0	8.0	91.7	80.0	9.0	7.7	99.0	71.7	89.0	77.7
PPG-TF 249	6.7	6.3	78.3	66.7	9.0	7.7	97.7	75.0	90.0	77.7
PPG-TF 337	6.0	5.3	65.0	58.3	9.0	6.0	96.0	68.3	89.3	77.7
AST8118LM	5.3	5.7	58.3	65.0	8.7	6.3	83.3	60.0	89.3	77.3
K18-NSE	7.7	5.7	75.0	58.3	9.0	6.0	97.7	56.7	91.0	77.3
PPG-TF 257	6.7	4.7	73.3	48.3	8.7	5.7	94.3	55.0	89.7	77.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.0	73.3	60.0	9.0	7.0	99.0	70.0	91.0	77.0
PST-5GQ	7.3	7.0	71.7	63.3	8.7	6.0	95.0	60.0	92.0	77.0
SYMPHONY (PPG-TF 305)	5.7	4.3	63.3	50.0	9.0	5.7	95.0	58.3	91.3	77.0
AVENGER III (PPG-TF 308)	5.3	4.3	56.7	45.0	8.7	5.3	93.3	51.7	92.7	76.7
DLFPS-321/3703	8.7	6.3	80.0	68.3	9.0	6.7	99.0	75.0	91.0	76.7
PPG-TF 312	7.0	4.3	71.7	48.3	9.0	5.7	99.0	56.7	87.3	76.7
TANK (PPG-TF 338)	6.7	7.3	70.0	75.0	9.0	7.3	93.0	71.7	90.0	76.7

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY APRIL 26		FULLNESS OF CANOPY APRIL 26		UNIFORMITY JUNE 10		FULLNESS OF CANOPY JUNE 10		PERCENT GREEN COVER JUNE 11	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
	BRAVO 2	7.3	7.0	76.7	68.3	8.7	7.3	96.3	75.0	89.7
COPIOUS TF	6.3	6.3	68.3	63.3	9.0	5.7	93.3	66.7	90.0	76.3
SR 8700 (TMT1)	6.0	4.7	63.3	41.7	8.7	5.0	91.7	51.7	91.3	76.3
BONFIRE (JS DTT)	6.3	4.0	63.3	46.7	9.0	5.3	95.0	61.7	93.0	76.0
FIRENZA II (PPG-TF 244)	5.3	5.0	60.0	56.7	8.0	6.3	88.0	56.7	92.7	76.0
HEMI	6.0	6.0	66.7	56.7	8.3	6.7	89.7	65.0	89.7	76.0
LIFEGUARD	7.0	6.3	71.7	71.7	9.0	6.3	95.0	68.3	89.0	76.0
PST-5DZM	5.7	5.7	63.3	61.7	9.0	6.7	90.0	65.0	92.3	76.0
RAD-TF131	5.7	4.0	60.0	41.7	8.3	4.7	91.3	51.7	90.0	76.0
SERENADE (PPG-TF 320)	6.3	5.0	71.7	58.3	9.0	6.3	93.0	63.3	92.0	76.0
TANGO	6.0	5.7	61.7	63.3	8.7	6.7	88.3	68.3	90.7	76.0
BIRMINGHAM	7.0	7.0	75.0	71.7	8.3	6.7	91.3	70.0	90.3	75.7
FAYETTE	7.7	7.0	76.7	76.7	9.0	6.3	93.0	70.0	91.3	75.7
K18-WB1	6.3	5.3	71.7	61.7	9.0	5.3	79.7	61.7	90.0	75.7
RHL2	7.7	7.0	78.3	66.7	9.0	7.0	99.0	71.7	90.0	75.7
TITAN MAX (TF456)	6.0	5.7	68.3	61.7	9.0	6.7	93.0	65.0	89.3	75.7
DRAGSTER	5.7	5.0	60.0	50.0	8.3	5.0	90.0	50.0	89.3	75.3
KIZZLE (K18-ROE)	7.7	7.3	75.0	70.0	9.0	6.3	95.0	70.0	89.7	75.3
OKEEFE (LTP-TF-122)	7.0	6.3	78.3	68.3	9.0	6.7	99.0	66.7	91.3	75.3
PPG-TF 316	7.7	5.7	73.3	50.0	8.7	6.0	96.3	60.0	91.7	75.3
RACEWAY (DLFPS-321/3696)	8.3	8.0	85.0	76.7	9.0	8.0	97.7	81.7	90.0	75.3
TALLADEGA II (NAI-3N2)	7.7	7.0	78.3	66.7	9.0	6.0	93.0	68.3	92.3	75.3
DLFPS-321/3693	7.0	6.0	70.0	65.0	8.3	6.0	91.0	60.0	91.3	75.0
K18-RS6	5.0	5.7	61.7	65.0	8.3	6.3	89.3	70.0	91.3	75.0
PARAMOUNT	6.7	5.3	70.0	60.0	9.0	6.7	93.3	65.0	89.0	75.0
PST-5MCMO	6.3	6.0	65.0	68.3	8.3	6.0	91.7	61.7	91.7	75.0
RC4	7.7	5.7	81.7	61.7	9.0	5.3	96.0	56.7	90.7	75.0
BULLSEYE LTZ	7.3	6.7	76.7	75.0	9.0	7.7	94.7	68.3	90.3	74.7
RAPTOR III	6.0	4.7	58.3	51.7	8.7	6.3	91.0	60.0	90.3	74.7
SETFM3	5.3	5.0	58.3	51.7	8.3	5.3	86.3	60.0	92.0	74.7
AH1	7.3	5.7	75.0	58.3	9.0	5.3	97.7	61.7	93.0	74.3
PST-5MINK	7.3	6.3	75.0	63.3	8.7	7.0	95.0	73.3	87.3	74.3
STEALTH (PPG-TF 238)	5.7	5.0	65.0	50.0	9.0	5.7	97.7	58.3	91.0	74.3
TEACHER (PPG-TF 313)	5.0	4.7	56.7	46.7	8.0	5.7	84.7	55.0	89.3	74.3
BAR-FA8230	5.0	5.0	53.3	46.7	7.7	4.0	81.7	41.7	90.0	74.0
JT 233	6.3	5.3	70.0	63.3	9.0	7.0	97.7	65.0	89.7	74.0
MONUMENT (PST-5SQB)	6.7	6.7	66.7	65.0	8.7	6.0	93.3	66.7	92.0	74.0
TITAN GLX (TF445)	5.3	4.7	63.3	55.0	8.7	5.7	88.0	61.7	90.7	74.0
TITANIUM G-LS (PPG-TF 255)	6.7	5.3	66.7	55.0	9.0	5.3	99.0	55.0	91.0	73.7
GALACTIC (SESCR1)	6.7	4.7	63.3	53.3	8.7	4.7	91.3	51.7	88.7	73.3
NAI-FQZ-17	7.0	5.0	70.0	56.7	8.7	6.0	93.0	63.3	91.0	73.3
PPG-TF 262	7.0	5.3	70.0	53.3	9.0	6.3	99.0	63.3	90.7	73.3
XANADU (JT 268)	4.7	4.3	51.7	46.7	8.3	4.7	86.3	58.3	92.7	73.3
AST8218LM	5.3	5.3	56.7	55.0	8.0	5.0	81.7	51.7	90.0	73.0
BANDIT	5.0	5.7	53.3	48.3	8.0	5.7	91.7	56.7	91.0	73.0

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY APRIL 26		FULLNESS OF CANOPY APRIL 26		UNIFORMITY JUNE 10		FULLNESS OF CANOPY JUNE 10		PERCENT GREEN COVER JUNE 11	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PST-5THM	6.3	6.0	61.7	63.3	8.3	5.7	93.3	65.0	89.7	73.0
SE5STAR	7.7	6.7	80.0	75.0	9.0	6.0	96.3	60.0	90.0	73.0
ZION (BAR TF 134)	7.0	4.7	71.7	51.7	8.7	5.7	97.7	55.0	92.0	73.0
GO-AOMK	7.0	6.0	70.0	61.7	8.7	5.7	88.0	63.3	88.0	72.7
BENTLEY (DLFPS-321/3679)	8.0	7.0	80.0	75.0	8.7	6.7	97.7	73.3	90.7	72.3
A-TF31	4.7	5.0	55.0	60.0	8.3	6.0	85.0	60.0	87.7	72.0
BAR 9FE MAS	3.7	3.7	43.3	41.7	7.3	4.0	71.7	45.0	88.7	72.0
FAIRFIELD (SETF104)	6.3	5.7	68.3	58.3	9.0	6.3	94.7	65.0	88.7	72.0
GRO-PRO (SE53D2)	6.3	6.7	71.7	68.3	8.3	5.7	91.7	51.7	89.7	72.0
BGR-TF3	7.0	6.7	70.0	68.3	9.0	5.7	90.0	60.0	90.0	71.7
LBF	5.7	5.7	58.3	60.0	8.7	5.7	88.3	60.0	89.7	71.7
PST-5E6	7.0	5.7	70.0	58.3	8.7	5.3	93.3	58.3	91.3	71.7
BLADERUNNER 3 (DLFPS-321/3701)	8.0	5.3	78.3	58.3	9.0	5.3	99.0	58.3	90.7	71.0
DYNAMITE G-LS (PPG-TF 254)	7.7	5.7	75.0	51.7	9.0	4.3	99.0	50.0	89.7	71.0
GO-RH20	5.7	5.3	61.7	56.7	8.0	5.3	81.0	60.0	91.7	71.0
JT 517	5.0	5.0	50.0	50.0	8.0	5.7	85.0	61.7	89.3	71.0
RS1	6.7	6.0	73.3	66.7	9.0	6.0	97.7	63.3	91.3	71.0
PALOMAR	6.0	5.7	66.7	70.0	8.3	5.3	83.3	56.7	86.7	70.7
RDC	7.0	6.7	66.7	65.0	9.0	6.7	96.3	63.3	91.0	70.7
3B2	5.7	5.3	58.3	53.3	8.7	6.0	86.7	58.3	89.3	70.3
SETFM2	6.0	5.3	65.0	53.3	8.3	5.3	90.0	55.0	91.3	70.3
DLFPS-321/3695	8.0	6.3	80.0	65.0	9.0	5.0	93.3	50.0	92.0	70.0
ESCALADE	5.0	5.3	55.0	60.0	7.7	5.0	83.3	46.7	90.3	70.0
GALLARDO (DLFPS-TF/3550)	7.0	6.3	75.0	68.3	9.0	6.3	97.7	66.7	90.0	70.0
PST-5GLBS	6.3	5.7	65.0	53.3	8.3	5.3	86.7	63.3	89.0	70.0
5LSS	7.0	5.7	73.3	60.0	9.0	5.3	97.7	58.3	92.7	69.7
TRIAD (PPG-TF 323)	8.0	5.7	78.3	63.3	9.0	6.0	97.7	60.0	89.0	69.7
COL-TF-148	8.0	5.7	81.7	73.3	9.0	5.0	96.3	58.3	90.7	69.0
RAD-TF115 (TURBO SS)	5.3	3.7	63.3	48.3	8.3	4.7	85.0	43.3	87.7	69.0
BAR FA 8228	5.7	4.3	63.3	50.0	7.7	4.3	81.7	45.0	90.3	68.7
DLFPS-TF/3553	6.7	6.0	73.3	70.0	9.0	6.3	97.7	65.0	90.3	68.7
RHF	5.7	5.3	58.3	55.0	8.3	4.7	84.7	48.3	92.0	68.3
KENTUCKY-31	4.3	3.0	43.3	35.0	5.7	3.0	53.3	31.7	86.0	68.0
RAD-TF105	6.7	5.0	68.3	50.0	9.0	5.0	94.7	53.3	89.7	68.0
DLFPS-321/3694	6.0	5.0	61.7	55.0	8.7	5.0	88.3	51.7	90.7	67.7
NT-3	6.7	5.3	70.0	58.3	8.3	5.0	87.7	55.0	92.7	67.3
GRAND PRIX (FC15-01P)	6.3	6.3	66.7	65.0	8.3	5.7	86.7	56.7	89.7	67.0
NAI-ST5	6.3	4.0	70.0	45.0	7.7	3.7	86.3	46.7	92.7	66.7
ATF1768	6.3	5.3	66.7	56.7	8.3	5.3	86.7	50.0	86.7	66.3
ATF2116	6.3	6.0	65.0	63.3	8.0	5.0	81.7	53.3	90.7	65.7
OG-WALK	5.0	4.0	53.3	48.3	7.7	4.0	76.7	41.7	87.7	65.7
NATURALLY GREEN	6.0	6.0	58.3	65.0	8.0	4.7	81.7	51.7	89.7	64.3
LSD VALUE	3.9	3.6	31.6	32.6	1.1	2.7	14.5	31.2	3.6	31.9
C.V. (%)	22.0	24.0	18.3	21.5	6.6	20.2	8.3	20.2	2.0	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 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	JULY 29		JULY 30		JULY 30	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PPG-TF 312	9.0	6.3	99.0	58.3	91.3	84.3
PRO GOLD	8.7	6.7	96.3	63.3	92.3	83.0
GLX ACED (PST-5DART)	8.7	6.7	95.0	63.3	93.3	82.0
TD2	9.0	6.3	97.7	63.3	92.0	81.7
MOONDANCE GLX	8.0	6.0	95.0	65.0	92.7	81.3
PST-5BYOB	8.3	6.0	91.7	53.3	92.3	81.3
CAPITAN (DLFPS-321/3705)	9.0	6.0	99.0	51.7	93.3	81.0
SPYDER 2LS (ZRC1)	9.0	6.3	97.7	65.0	92.0	81.0
TITAN MAX (TF456)	9.0	6.3	96.0	56.7	93.3	81.0
PPG-TF 306	9.0	7.3	99.0	68.3	92.7	80.7
PPG-TF 337	9.0	7.0	97.7	58.3	92.0	80.7
PST-5DC24	8.3	6.0	90.0	50.0	91.3	80.7
FIREHAWK SLT	9.0	6.0	97.7	60.0	94.0	80.3
FIRENZA II (PPG-TF 244)	9.0	6.0	97.7	51.7	93.3	80.3
PPG-TF 318	8.7	6.7	93.0	66.7	92.0	80.3
PST-5GQ	9.0	6.3	96.3	56.7	91.7	80.3
PST-5TRN	8.7	6.7	94.7	63.3	92.7	80.3
ROWDIER (DLFPS-321/3699)	9.0	7.0	96.3	58.3	92.0	80.3
DEGAS (LTP-TF-111)	9.0	4.7	97.7	55.0	92.7	80.0
KIZZLE (K18-ROE)	8.7	5.7	94.3	51.7	93.0	80.0
PPG-TF 231	9.0	6.7	97.7	68.3	90.0	80.0
RAPTOR III	9.0	6.3	97.7	56.7	92.3	80.0
RHL2	9.0	5.7	97.7	51.7	92.3	80.0
3N1	9.0	6.7	97.7	58.3	92.7	79.7
DLFPS-321/3708	9.0	6.0	99.0	63.3	89.0	79.7
RACEWAY (DLFPS-321/3696)	9.0	5.3	97.7	60.0	90.3	79.7
RH3	8.7	6.7	97.7	66.7	91.7	79.7
HEMI	9.0	5.7	91.7	55.0	92.3	79.3
K18-RS6	8.7	6.7	96.0	68.3	92.0	79.3
NAI-ROS4	9.0	6.3	94.7	61.7	92.3	79.3
PST-5MCMO	8.7	5.3	95.0	53.3	91.0	79.3
BY-TF-169	9.0	5.0	99.0	45.0	92.7	79.0
RAPTOR LS (PPG-TF 336)	9.0	6.3	99.0	61.7	92.3	79.0
GALACTIC (SESCR1)	9.0	5.3	94.7	46.7	91.7	78.7
K18-WB1	9.0	5.7	99.0	51.7	91.3	78.7
RH1	9.0	6.3	91.7	53.3	94.0	78.7
SR 8700 (TMT1)	8.7	5.3	97.7	38.3	91.3	78.7
DRAGSTER	9.0	5.7	97.7	43.3	92.3	78.3
FIRECRACKER G-LS (PPG-TF 315)	9.0	7.0	99.0	58.3	90.0	78.3
JT 233	9.0	6.7	96.3	63.3	92.0	78.3
TANGO	8.7	5.7	93.3	58.3	90.3	78.3
HOUNDG NINE (DLFPS-321/3702)	9.0	6.3	99.0	56.7	90.3	78.0
TEACHER (PPG-TF 313)	9.0	5.3	97.7	46.7	92.0	78.0
LIFEGUARD	8.7	5.7	95.0	50.0	94.0	77.7
OKEEFE (LTP-TF-122)	9.0	5.7	99.0	50.0	91.3	77.7

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	JULY 29		JULY 30		JULY 30	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PPG-TF 267	9.0	6.7	99.0	70.0	92.3	77.7
PST-5THM	8.0	5.7	93.3	50.0	91.7	77.7
STEALTH (PPG-TF 238)	9.0	5.7	99.0	41.7	92.3	77.7
TANK (PPG-TF 338)	9.0	6.7	99.0	65.0	90.7	77.7
DAYBREAK (AH2)	9.0	5.7	99.0	56.7	91.7	77.3
BULLSEYE LTZ	9.0	6.3	97.7	58.3	92.0	77.3
DLFPS-321/3703	9.0	6.3	99.0	58.3	92.3	77.3
TALLADEGA II (NAI-3N2)	9.0	5.7	97.7	55.0	91.3	77.3
AST8118LM	8.7	5.7	93.3	46.7	91.7	77.0
AVENGER III (PPG-TF 308)	8.7	5.0	97.7	48.3	90.0	77.0
BULLSEYE	9.0	6.0	91.7	51.7	94.0	77.0
DLFPS-321/3693	8.7	5.0	96.0	48.3	91.3	77.0
FAYETTE	9.0	5.7	96.3	48.3	91.3	77.0
PPG-TF 257	9.0	6.0	97.7	43.3	90.7	77.0
RAD-TF131	8.7	4.7	93.3	46.7	92.3	77.0
SYMPHONY (PPG-TF 305)	9.0	5.7	99.0	51.7	93.0	77.0
BONFIRE (JS DTT)	8.7	5.0	96.3	50.0	91.3	76.7
GRANDE 3	9.0	4.7	91.7	48.3	92.7	76.7
JT 517	8.3	4.3	93.3	38.3	91.7	76.7
PADRE 2	9.0	5.7	97.7	60.0	91.7	76.7
XANADU (JT 268)	9.0	5.7	97.7	51.7	92.3	76.7
BRAVO 2	9.0	6.3	96.3	60.0	91.3	76.3
DLFPS-321/3707	9.0	6.7	99.0	55.0	91.0	76.3
ESCALADE	7.7	5.0	85.0	43.3	92.0	76.0
PARAMOUNT	9.0	6.3	96.3	53.3	91.3	76.0
PPG-TF 249	9.0	6.0	99.0	63.3	91.0	76.0
RC4	9.0	4.7	99.0	43.3	89.7	76.0
RS1	9.0	5.0	97.7	41.7	92.3	76.0
TOUGH (NAI-TUE)	9.0	5.0	91.7	51.7	91.7	76.0
BANDIT	8.0	4.7	95.0	45.0	91.3	75.7
COPIOUS TF	9.0	5.0	96.3	48.3	92.3	75.7
DLFPS-321/3706	9.0	5.3	99.0	45.0	90.7	75.7
PST-5DZM	8.7	5.3	93.3	53.3	90.7	75.7
GO-RH20	8.7	5.0	96.0	53.3	90.0	75.3
PST-5MINK	8.7	5.7	90.0	46.7	91.0	75.3
TITAN GLX (TF445)	9.0	5.3	96.3	41.7	92.3	75.3
TRIAD (PPG-TF 323)	9.0	5.0	99.0	36.7	92.0	75.3
BIRMINGHAM	9.0	6.0	94.7	48.3	91.0	75.0
PPG-TF 262	9.0	5.0	99.0	51.7	88.7	75.0
SE5STAR	9.0	5.3	94.7	48.3	92.7	75.0
ESSENTIAL 2 (DLFPS-TF/3552)	9.0	5.7	96.3	48.3	91.3	74.7
PST-5E6	8.7	5.0	93.0	43.3	92.7	74.7
BAR 9FE MAS	8.0	4.0	75.0	28.3	92.3	74.3
BENTLEY (DLFPS-321/3679)	9.0	5.7	95.0	50.0	90.7	74.3
FAIRFIELD (SETF104)	9.0	5.3	97.7	45.0	90.3	74.3

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	UNIFORMITY JULY 29		FULLNESS OF CANOPY JULY 30		PERCENT GREEN COVER JULY 30	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
K18-NSE	9.0	4.7	99.0	40.0	90.7	74.3
MONUMENT (PST-5SQB)	8.7	6.0	88.3	55.0	92.3	74.3
PPG-TF 316	9.0	6.0	97.7	51.7	90.7	74.3
AH1	9.0	4.7	99.0	40.0	92.0	74.0
TITANIUM G-LS (PPG-TF 255)	9.0	5.0	97.7	43.3	93.3	74.0
DLFPS-TF/3553	9.0	5.3	96.3	41.7	90.7	73.7
BGR-TF3	8.7	4.7	88.3	38.3	91.0	73.3
3B2	8.7	4.3	96.3	45.0	91.3	73.0
AST8218LM	8.3	4.3	85.0	36.7	90.7	73.0
ESTRENA	9.0	6.7	97.7	61.7	91.7	73.0
GRAND PRIX (FC15-01P)	8.0	4.3	90.0	46.7	91.3	73.0
NAI-FQZ-17	9.0	4.7	96.3	51.7	90.3	73.0
SERENADE (PPG-TF 320)	9.0	5.0	99.0	45.0	91.3	73.0
A-TF31	8.7	5.0	93.3	48.3	91.0	72.7
LBF	8.0	4.3	90.0	36.7	90.3	72.7
PALOMAR	7.7	4.3	86.7	36.7	91.0	72.7
SETFM3	8.7	4.3	93.3	31.7	91.0	72.7
ZION (BAR TF 134)	9.0	5.3	99.0	45.0	92.3	72.7
BLADERUNNER 3 (DLFPS-321/3701)	9.0	5.0	99.0	41.7	93.0	72.3
DLFPS-321/3695	9.0	4.0	96.3	38.3	93.3	72.0
5LSS	9.0	5.3	97.7	43.3	93.0	71.3
BAR-FA8230	8.0	3.3	81.7	31.7	91.3	71.3
GRO-PRO (SE53D2)	8.0	5.7	90.0	41.7	91.0	71.3
BAR FA 8228	7.7	3.0	80.0	30.0	92.0	71.0
COL-TF-148	9.0	4.7	96.0	41.7	90.3	71.0
RAD-TF105	9.0	4.0	95.0	36.7	90.3	71.0
GO-AOMK	9.0	4.7	96.3	48.3	88.7	70.7
PST-5GLBS	8.3	5.3	93.0	46.7	94.0	70.7
SETFM2	8.7	4.3	91.7	36.7	91.7	70.7
RDC	9.0	5.0	97.7	40.0	90.7	70.3
DYNAMITE G-LS (PPG-TF 254)	9.0	4.7	99.0	43.3	91.7	70.0
ATF2116	8.0	3.7	83.3	36.7	92.3	69.3
NATURALLY GREEN	8.3	3.7	88.3	43.3	91.3	69.3
DLFPS-321/3694	9.0	4.3	97.7	41.7	92.7	68.7
KENTUCKY-31	5.3	2.0	48.3	23.3	90.0	68.7
NAI-ST5	9.0	3.0	96.3	31.7	90.7	68.3
NT-3	9.0	3.7	94.3	35.0	90.7	68.3
RHF	8.7	4.7	97.7	36.7	92.3	67.3
GALLARDO (DLFPS-TF/3550)	9.0	5.3	97.7	50.0	89.3	66.7
ATF1768	8.0	3.7	90.0	31.7	91.7	66.3
RAD-TF115 (TURBO SS)	9.0	3.3	90.0	28.3	90.0	65.7
OG-WALK	7.7	3.0	80.0	26.7	91.0	64.0
LSD VALUE	0.5	3.1	5.2	27.4	4.4	24.3
C.V. (%)	3.9	24.8	3.7	26.1	1.7	8.5

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

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

TABLE 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	PERCENT POA ANNUA		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	OCTOBER NO TRAFFIC	2021 TRAFFIC	SEPTEMBER 16 NO TRAFFIC	SEPTEMBER 16 TRAFFIC	SEPTEMBER 17 NO TRAFFIC	SEPTEMBER 17 TRAFFIC	SEPTEMBER 17 NO TRAFFIC	SEPTEMBER 17 TRAFFIC
GLX ACED (PST-5DART)	3.3	21.7	8.7	6.0	94.7	55.0	93.0	88.0
RH3	1.7	20.0	9.0	6.3	96.0	63.3	90.7	85.7
MOONDANCE GLX	8.3	26.7	8.3	3.7	90.0	40.0	92.0	83.3
PST-5TRN	15.0	25.0	8.7	5.0	91.7	55.0	92.3	83.0
COPIOUS TF	23.3	31.7	8.3	3.7	86.3	43.3	91.7	82.7
RACEWAY (DLFPS-321/3696)	13.3	31.7	8.7	5.3	97.7	51.7	90.7	82.7
3N1	5.0	26.7	9.0	4.3	97.7	53.3	92.7	81.3
DEGAS (LTP-TF-111)	11.7	46.7	8.7	4.3	97.7	41.7	93.0	81.0
K18-RS6	5.0	26.7	9.0	4.7	99.0	48.3	91.3	80.7
PPG-TF 231	10.0	25.0	9.0	5.3	99.0	58.3	89.3	80.7
TD2	11.7	30.0	9.0	5.3	99.0	51.7	91.7	80.7
PPG-TF 267	3.3	20.0	9.0	6.0	97.7	61.7	92.3	80.3
ROWDIER (DLFPS-321/3699)	20.0	40.0	8.7	4.3	88.0	50.0	91.3	80.3
PPG-TF 249	5.0	25.0	9.0	5.0	97.7	50.0	91.0	79.7
PRO GOLD	8.3	25.0	8.7	5.0	94.7	48.3	92.3	79.7
BANDIT	15.0	36.7	8.0	3.0	90.0	38.3	92.3	79.3
NAI-ROS4	6.7	33.3	8.7	4.3	96.0	45.0	92.3	79.3
PPG-TF 306	6.7	25.0	9.0	5.3	99.0	53.3	92.7	79.3
RAPTOR III	10.0	31.7	9.0	5.7	96.3	51.7	92.0	79.3
AST8118LM	5.0	23.3	8.3	4.3	94.7	51.7	91.3	78.7
FIRENZA II (PPG-TF 244)	8.3	28.3	8.7	4.7	99.0	53.3	94.3	78.7
RAD-TF131	13.3	33.3	8.0	4.7	96.3	48.3	91.7	78.7
HEMI	8.3	30.0	8.7	5.0	97.7	53.3	91.7	78.3
K18-WB1	13.3	25.0	9.0	4.0	99.0	46.7	92.0	78.3
PARAMOUNT	3.3	30.0	9.0	5.0	99.0	53.3	92.0	78.3
PPG-TF 318	13.3	31.7	8.7	4.7	97.7	53.3	92.0	78.0
PST-5DC24	18.3	35.0	8.0	4.7	91.7	43.3	92.0	77.7
JT 233	6.7	25.0	9.0	4.7	97.7	51.7	91.0	77.3
PST-5BYOB	10.0	38.3	8.3	4.3	91.7	45.0	93.0	77.3
TEACHER (PPG-TF 313)	11.7	28.3	9.0	4.0	96.3	46.7	89.3	77.3
DLFPS-321/3708	13.3	38.3	9.0	3.7	99.0	46.7	91.0	76.7
BULLSEYE	15.0	26.7	8.0	5.0	96.3	51.7	94.7	76.3
HOUNDG NINE (DLFPS-321/3702)	11.7	30.0	9.0	4.3	97.7	46.7	91.0	76.3
PPG-TF 257	15.0	31.7	9.0	3.7	99.0	35.0	91.7	76.0
TITAN MAX (TF456)	11.7	26.7	9.0	4.7	99.0	51.7	93.0	76.0
BRAVO 2	16.7	35.0	8.3	3.3	91.7	40.0	91.0	75.7
FIRECRACKER G-LS (PPG-TF 315)	16.7	28.3	9.0	5.3	99.0	58.3	91.3	75.7
BGR-TF3	16.7	25.0	8.0	3.7	90.0	43.3	91.0	75.3
LBFB	15.0	35.0	8.3	3.3	91.7	33.3	91.0	75.3
PPG-TF 312	25.0	51.7	9.0	3.3	99.0	35.0	90.3	75.3
PPG-TF 337	10.0	33.3	9.0	4.7	99.0	46.7	92.0	75.3
RS1	8.3	35.0	9.0	4.0	97.7	43.3	91.7	75.3
TANK (PPG-TF 338)	5.0	28.3	9.0	5.3	99.0	51.7	89.3	75.3
BULLSEYE LTZ	5.0	25.0	9.0	4.7	99.0	51.7	91.3	75.0
DRAGSTER	21.7	51.7	9.0	3.0	99.0	30.0	92.0	75.0

TABLE 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	PERCENT POA ANNUA OCTOBER 2021		UNIFORMITY SEPTEMBER 16		FULLNESS OF CANOPY SEPTEMBER 17		PERCENT GREEN COVER SEPTEMBER 17	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
GO-RH20	3.3	30.0	8.7	4.0	99.0	43.3	89.0	75.0
PST-5THM	13.3	28.3	8.3	4.7	91.7	46.7	91.0	75.0
RAPTOR LS (PPG-TF 336)	11.7	28.3	9.0	4.3	99.0	48.3	93.3	75.0
GALACTIC (SESCR1)	16.7	41.7	9.0	3.7	97.7	41.7	90.0	74.7
GRAND PRIX (FC15-01P)	15.0	26.7	8.3	4.3	91.7	48.3	90.0	74.7
TITAN GLX (TF445)	8.3	31.7	9.0	3.7	99.0	38.3	91.7	74.7
DLFPS-321/3703	3.3	23.3	9.0	4.0	99.0	41.7	91.7	74.3
JT 517	16.7	36.7	8.3	3.0	90.0	36.7	91.7	74.3
FAIRFIELD (SETF104)	15.0	30.0	8.7	4.3	96.3	48.3	90.3	74.0
KIZZLE (K18-ROE)	10.0	28.3	9.0	4.0	96.0	41.7	92.3	74.0
SPYDER 2LS (ZRC1)	3.3	28.3	9.0	4.3	99.0	50.0	92.7	74.0
A-TF31	13.3	31.7	9.0	3.7	94.7	45.0	89.7	73.7
PADRE 2	11.7	28.3	9.0	4.0	96.0	46.7	93.3	73.7
TANGO	16.7	43.3	8.7	4.0	95.0	40.0	91.3	73.3
BIRMINGHAM	10.0	33.3	8.7	4.3	91.7	46.7	91.3	73.0
RHL2	6.7	23.3	9.0	4.0	99.0	45.0	92.0	73.0
OKEEFE (LTP-TF-122)	6.7	36.7	9.0	3.0	99.0	33.3	90.3	72.7
PPG-TF 316	13.3	35.0	8.7	4.0	99.0	35.0	91.3	72.3
PST-5GQ	18.3	38.3	8.7	4.0	96.3	43.3	93.0	72.3
TALLADEGA II (NAI-3N2)	11.7	33.3	8.7	3.3	99.0	33.3	92.3	72.3
DAYBREAK (AH2)	6.7	40.0	9.0	4.0	97.7	35.0	92.3	72.0
AVENGER III (PPG-TF 308)	13.3	35.0	9.0	3.7	99.0	43.3	91.3	72.0
MONUMENT (PST-5SQB)	5.0	23.3	9.0	4.0	93.3	35.0	93.0	71.7
SYMPHONY (PPG-TF 305)	15.0	43.3	9.0	3.0	96.3	35.0	92.7	71.7
PST-5MINK	16.7	46.7	8.3	3.0	95.0	31.7	90.7	71.0
CAPITAN (DLFPS-321/3705)	16.7	40.0	8.7	3.7	97.7	38.3	93.7	70.7
PST-5MCMO	20.0	35.0	8.3	3.0	91.7	33.3	91.7	70.7
RH1	5.0	30.0	9.0	3.7	97.7	43.3	93.3	70.7
DLFPS-321/3707	11.7	31.7	9.0	3.7	99.0	41.7	91.0	70.3
ESTRENA	5.0	30.0	9.0	4.0	99.0	45.0	91.7	70.3
GRANDE 3	18.3	33.3	8.7	3.3	94.7	33.3	93.0	70.3
PST-5DZM	13.3	46.7	8.0	3.3	95.0	35.0	92.0	70.3
SETFM3	23.3	33.3	8.3	3.0	91.7	38.3	91.3	70.3
STEALTH (PPG-TF 238)	5.0	28.3	9.0	3.3	99.0	35.0	92.7	70.3
FIREHAWK SLT	15.0	45.0	9.0	3.7	99.0	38.3	94.0	70.0
SE5STAR	15.0	36.7	8.3	3.7	95.0	35.0	93.7	70.0
AST8218LM	15.0	33.3	8.0	3.7	90.0	40.0	90.3	69.7
BY-TF-169	21.7	43.3	9.0	3.7	97.7	38.3	91.7	69.7
ESCALADE	16.7	28.3	7.7	3.7	86.7	40.0	91.0	69.7
ESSENTIAL 2 (DLFPS-TF/3552)	8.3	26.7	9.0	4.0	97.7	43.3	92.3	69.7
PALOMAR	16.7	33.3	7.3	3.3	86.7	40.0	90.3	69.7
3B2	8.3	25.0	8.7	4.0	96.3	40.0	89.7	69.3
RDC	6.7	25.0	9.0	3.7	99.0	40.0	91.3	69.3
FAYETTE	5.0	25.0	9.0	3.7	96.3	38.3	91.3	69.0
BONFIRE (JS DTT)	6.7	41.7	8.7	3.0	96.3	35.0	91.7	68.0

TABLE 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	PERCENT POA ANNUA OCTOBER 2021		UNIFORMITY SEPTEMBER 16		FULLNESS OF CANOPY SEPTEMBER 17		PERCENT GREEN COVER SEPTEMBER 17	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
LIFEGUARD	6.7	28.3	8.7	3.7	94.7	36.7	93.3	68.0
PST-5E6	13.3	36.7	8.7	4.0	96.3	36.7	94.0	68.0
AH1	8.3	36.7	9.0	2.7	97.7	30.0	93.3	67.7
GO-AOMK	11.7	35.0	9.0	3.3	99.0	36.7	87.7	67.7
GRO-PRO (SE53D2)	21.7	36.7	8.0	3.7	93.3	36.7	91.0	67.7
PST-5GLBS	10.0	38.3	8.3	3.0	91.7	33.3	93.3	67.7
BENTLEY (DLFPS-321/3679)	8.3	40.0	8.7	3.3	96.0	35.0	90.3	67.3
XANADU (JT 268)	10.0	35.0	8.7	3.0	99.0	36.7	91.7	67.3
BAR-FA8230	33.3	41.7	7.3	2.7	83.3	33.3	91.0	67.0
5LSS	8.3	28.3	9.0	3.3	99.0	38.3	93.3	66.7
DLFPS-TF/3553	10.0	35.0	9.0	3.0	97.7	35.0	90.7	66.7
RC4	5.0	40.0	9.0	3.3	99.0	38.3	90.0	66.7
TITANIUM G-LS (PPG-TF 255)	13.3	28.3	9.0	3.0	97.7	33.3	92.7	66.7
PPG-TF 262	11.7	36.7	9.0	3.0	99.0	33.3	90.3	66.3
TRIAD (PPG-TF 323)	16.7	38.3	8.7	3.3	99.0	41.7	90.7	66.3
ZION (BAR TF 134)	15.0	50.0	8.7	2.7	96.3	25.0	93.3	66.3
SETFM2	16.7	31.7	8.3	3.3	96.3	38.3	91.7	66.0
SR 8700 (TMT1)	18.3	36.7	9.0	3.0	97.7	31.7	92.0	66.0
DLFPS-321/3706	16.7	38.3	8.7	3.0	97.7	28.3	90.7	65.3
GALLARDO (DLFPS-TF/3550)	3.3	18.3	9.0	4.0	99.0	38.3	89.0	65.3
NATURALLY GREEN	13.3	26.7	8.0	3.0	90.0	35.0	90.7	65.0
BAR 9FE MAS	35.0	56.7	7.3	2.3	73.3	25.0	91.0	64.7
DLFPS-321/3693	5.0	31.7	9.0	3.3	97.7	35.0	90.7	63.3
DLFPS-321/3695	15.0	36.7	9.0	3.3	97.7	33.3	93.0	63.0
K18-NSE	21.7	45.0	9.0	3.3	97.7	33.3	91.3	63.0
COL-TF-148	15.0	31.7	9.0	3.0	97.7	31.7	90.3	62.0
BLADERUNNER 3 (DLFPS-321/3701)	11.7	26.7	9.0	3.3	99.0	28.3	93.0	61.3
NAI-FQZ-17	28.3	43.3	8.0	3.0	86.3	35.0	90.7	61.3
ATF2116	20.0	36.7	7.7	2.7	86.7	28.3	92.7	61.0
DLFPS-321/3694	8.3	36.7	9.0	2.3	99.0	26.7	92.7	61.0
NT-3	8.3	28.3	9.0	2.7	97.7	30.0	91.0	60.7
RAD-TF105	16.7	35.0	8.7	3.3	95.0	36.7	91.0	60.7
ATF1768	16.7	25.0	7.7	3.3	90.0	31.7	90.0	60.3
RAD-TF115 (TURBO SS)	20.0	35.0	8.7	2.7	94.7	28.3	87.7	59.0
SERENADE (PPG-TF 320)	6.7	26.7	8.7	3.0	97.7	36.7	92.0	59.0
BAR FA 8228	25.0	31.7	7.3	3.0	88.3	31.7	91.3	58.0
RHF	10.0	41.7	9.0	2.7	97.7	36.7	92.3	57.0
DYNAMITE G-LS (PPG-TF 254)	18.3	40.0	9.0	2.7	97.7	33.3	92.3	56.7
OG-WALK	20.0	35.0	7.0	2.0	86.7	30.0	90.3	54.0
TOUGH (NAI-TUE)	23.3	41.7	8.3	2.7	88.0	33.3	92.3	54.0
KENTUCKY-31	58.3	71.7	4.7	1.3	45.0	15.0	89.0	53.0
NAI-ST5	20.0	50.0	8.7	1.7	97.7	23.3	91.0	53.0
LSD VALUE	15.9	27.3	0.7	4.1	6.5	36.3	3.5	53.4
C.V. (%)	64.9	33.2	5.2	35.6	4.4	31.3	1.8	17.1

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL 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	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS								MEAN
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3696	8.0	7.7	6.7	6.0	6.3	7.3	7.3	7.3	7.0	7.3	8.0	7.3	7.7	7.7	7.5
BIRMINGHAM	8.3	7.7	6.0	6.3	6.0	7.3	7.7	7.3	7.3	7.0	7.3	7.3	7.0	8.0	7.4
COPIOUS TF	8.7	7.7	6.0	6.3	7.0	7.0	7.3	7.3	7.7	7.7	7.7	7.0	7.0	7.7	7.4
MOONDANCE GLX	8.0	7.3	6.0	7.0	7.0	6.3	7.3	7.7	7.7	7.7	7.3	7.0	7.0	7.3	7.4
XANADU (JT 268)	8.3	7.0	6.7	6.3	7.3	7.7	7.7	7.0	7.3	8.0	7.3	7.3	7.0	7.7	7.4
BRAVO 2	8.0	7.7	7.0	7.0	6.7	7.3	7.0	7.7	7.3	7.3	7.0	7.3	7.0	8.0	7.3
FAIRFIELD (SETF104)	7.0	8.3	7.7	6.3	8.0	7.0	6.7	7.7	7.0	7.7	7.0	7.7	7.3	7.7	7.3
FAYETTE	8.0	7.3	7.0	6.7	6.3	7.7	7.0	7.3	7.0	7.3	7.3	7.0	7.3	7.7	7.3
PADRE 2	8.3	7.3	7.3	6.3	6.0	7.3	7.7	7.3	7.7	7.0	7.0	7.0	7.3	7.7	7.3
PPG-TF 231	8.0	7.7	6.7	6.3	6.0	7.0	7.0	7.3	7.0	7.3	7.3	7.3	7.0	7.7	7.3
PPG-TF 306	8.0	7.7	7.0	6.7	6.3	7.3	7.0	7.3	8.0	7.3	7.0	7.0	7.0	7.3	7.3
RAD-TF115 (TURBO SS)	7.7	7.7	5.7	6.3	5.7	7.3	7.3	7.3	7.3	7.3	7.0	7.3	7.0	8.0	7.3
STEALTH (PPG-TF 238)	7.7	7.3	6.0	7.0	6.7	7.0	7.0	7.7	7.7	7.7	7.0	7.0	7.3	7.3	7.3
AVENGER III (PPG-TF 308)	8.3	7.3	5.3	6.7	6.3	6.7	7.0	7.7	6.7	7.7	7.0	7.3	7.0	7.3	7.2
DEGAS (LTP-TF-111)	8.3	7.0	6.3	6.3	6.3	7.3	7.3	7.0	7.3	7.3	7.3	6.7	7.0	7.3	7.2
JT 233	7.7	7.3	5.7	7.0	6.3	8.0	7.0	8.0	7.0	7.0	6.7	7.0	7.0	8.0	7.2
PST-5DC24	8.3	7.7	4.3	6.3	5.7	7.7	6.7	7.3	7.0	7.7	7.7	6.7	7.0	7.7	7.2
PST-5DZM	8.0	7.0	6.3	6.0	5.7	7.0	7.3	7.0	7.3	7.3	7.3	7.0	7.0	7.3	7.2
PST-5E6	8.0	7.7	6.3	6.7	6.3	6.7	7.0	7.3	7.0	7.3	7.0	7.0	7.3	7.3	7.2
PST-5MCMO	7.7	7.3	6.0	6.3	6.3	6.7	7.3	7.3	7.3	7.3	7.0	6.7	6.7	7.7	7.2
PST-5TRN	8.0	7.7	7.3	6.3	6.7	7.0	7.0	7.7	6.7	7.7	7.3	6.7	7.0	7.7	7.2
RAD-TF105	7.7	8.0	6.7	6.7	5.7	7.3	6.7	7.3	7.7	7.0	7.0	7.0	7.3	7.7	7.2
BANDIT	8.0	7.3	6.0	6.0	6.7	8.3	7.7	6.7	6.7	7.7	7.0	7.0	6.7	7.3	7.1
DLFPS-321/3699	8.0	7.3	6.7	6.3	7.0	8.0	7.7	7.3	6.7	7.0	6.7	6.3	7.0	8.0	7.1
GRANDE 3	8.0	7.3	8.0	6.0	7.0	7.7	7.0	7.0	7.0	7.0	7.3	6.7	7.0	8.0	7.1
JT 517	8.0	7.7	7.3	6.3	5.7	7.0	7.0	7.3	7.3	7.0	7.3	7.0	7.0	7.0	7.1
OKEEFE (LTP-TF-122)	8.0	6.7	7.0	6.3	6.3	6.7	6.7	7.0	7.7	7.3	7.0	7.0	7.3	7.0	7.1
PPG-TF 257	8.0	7.3	6.3	6.7	6.0	6.3	6.7	7.3	6.7	7.7	7.3	7.0	7.0	7.3	7.1
PST-5THM	7.7	7.3	6.3	6.7	7.0	7.0	6.3	7.0	6.7	7.7	7.3	7.0	7.0	7.7	7.1
RH3	8.0	7.3	7.0	6.7	6.0	8.3	7.0	7.0	6.7	7.3	7.0	7.0	7.3	7.7	7.1
SYMPHONY (PPG-TF 305)	7.7	7.7	5.7	6.0	6.0	7.7	6.7	7.0	7.3	7.0	7.0	7.0	7.3	7.7	7.1
COL-TF-148	7.7	6.7	6.7	7.0	6.3	7.0	6.7	7.7	6.3	7.0	7.3	6.7	7.0	7.0	7.0
DLFPS-321/3703	8.3	7.3	6.7	6.7	7.0	7.0	6.7	7.3	6.7	7.7	7.0	6.3	6.7	7.3	7.0
DRAGSTER	8.0	7.7	7.3	5.3	5.7	7.7	6.7	6.7	7.3	7.0	7.3	6.7	7.0	7.3	7.0
GALACTIC (SESCR1)	8.0	8.0	6.3	6.7	6.7	7.0	7.0	7.3	6.7	7.0	7.0	6.7	7.3	7.3	7.0
GLX ACED (PST-5DART)	8.3	7.3	6.3	6.0	5.7	6.3	7.0	7.0	6.3	7.0	7.3	7.0	7.0	7.3	7.0
MONUMENT (PST-5SQB)	7.7	7.3	5.3	5.7	6.3	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.3	7.0	7.0
PRO GOLD	8.3	7.0	5.3	6.3	6.3	6.7	7.7	7.0	7.3	7.0	6.7	6.3	6.7	7.0	7.0
PST-5BYOB	8.0	7.3	6.3	5.3	6.3	7.7	7.0	7.0	6.7	7.3	7.0	7.0	7.0	7.3	7.0
PST-5GQ	7.7	7.0	7.3	6.3	6.3	6.3	6.7	7.0	7.3	7.3	6.7	7.0	7.0	7.3	7.0
PST-5MINK	8.3	7.3	6.7	5.3	6.7	7.3	7.7	6.7	7.3	7.3	6.7	6.7	7.0	7.0	7.0
RDC	7.3	7.0	6.0	6.3	6.3	8.3	6.3	6.7	7.0	7.3	7.0	6.7	7.3	7.7	7.0
TANGO	8.0	7.7	4.3	5.7	5.7	6.3	7.0	7.0	7.7	6.7	7.0	6.7	6.7	7.0	7.0
BONFIRE (JS DTT)	8.0	7.7	6.3	6.0	5.7	7.7	6.0	7.0	7.3	7.0	6.7	6.7	7.0	7.3	6.9
DLFPS-321/3701	8.3	7.0	6.3	6.3	5.7	6.7	7.0	7.0	7.0	7.0	6.7	6.7	6.7	7.3	6.9

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL 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	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS								MEAN
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3705	7.7	7.0	6.0	6.3	5.7	7.3	6.7	7.3	6.3	7.0	6.7	6.7	7.0	7.7	6.9
FIRENZA II (PPG-TF 244)	8.0	7.0	6.7	6.3	5.7	6.7	7.0	7.0	6.7	7.0	6.7	6.7	7.0	7.3	6.9
K18-NSE	8.0	7.0	7.0	6.0	5.3	7.7	6.7	7.0	7.0	6.7	7.3	6.7	6.7	7.3	6.9
LIFEGUARD	7.0	7.7	6.3	6.3	6.3	6.7	6.3	7.0	7.3	7.3	7.0	6.7	6.3	7.0	6.9
NAI-ROS4	7.7	7.7	7.0	7.0	7.0	6.7	6.0	7.3	7.0	7.3	7.0	6.7	7.0	7.0	6.9
RH1	8.0	7.3	6.7	6.7	6.7	7.0	7.0	7.0	6.3	7.3	7.0	6.7	7.0	7.0	6.9
SETFM3	7.3	7.0	5.3	6.7	6.3	7.3	6.0	6.7	7.3	7.3	6.7	6.3	7.0	7.7	6.9
SPYDER 2LS (ZRC1)	8.0	7.3	5.7	6.0	6.0	7.3	6.7	7.0	6.7	7.3	7.0	6.3	7.3	7.0	6.9
BY-TF-169	8.0	7.3	5.7	6.0	6.3	7.3	6.0	7.0	6.3	7.3	7.3	6.3	6.7	7.0	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.7	7.0	5.3	7.0	7.0	7.0	6.3	7.3	7.0	7.0	6.7	6.0	6.7	7.0	6.8
GO-RH20	7.7	7.3	6.7	6.3	6.0	7.3	6.7	6.7	6.7	7.0	7.0	6.7	6.7	7.3	6.8
GRAND PRIX (FC15-01P)	7.7	7.3	5.7	6.3	5.7	7.7	6.3	6.7	6.7	6.7	7.0	6.3	7.0	7.3	6.8
K18-WB1	7.3	7.3	5.7	7.3	6.0	6.7	6.7	7.0	6.3	6.7	7.3	6.3	6.7	7.0	6.8
LBF	8.0	8.0	5.3	6.3	6.0	7.7	6.7	7.0	6.3	7.0	7.3	6.3	6.7	7.0	6.8
PST-5GLBS	8.3	7.3	6.7	7.0	6.0	5.7	7.3	7.0	7.0	6.7	7.3	6.3	6.3	6.7	6.8
RC4	8.0	7.3	6.3	6.3	6.3	6.0	7.0	6.7	7.3	6.7	6.7	6.3	6.3	7.0	6.8
TALLADEGA II (NAI-3N2)	8.0	7.0	7.0	7.0	6.3	6.0	6.7	7.0	7.0	7.0	6.7	6.3	6.7	6.7	6.8
TOUGH (NAI-TUE)	7.0	7.3	5.3	7.3	7.0	6.3	5.7	7.3	7.0	7.0	6.7	6.7	6.7	7.0	6.8
3B2	7.7	7.3	5.7	6.0	6.7	7.0	6.3	6.7	6.3	7.0	6.7	6.3	7.3	7.0	6.7
DLFPS-321/3702	7.7	7.3	5.3	6.7	6.7	7.0	6.7	6.7	7.0	6.7	6.7	6.7	6.3	7.0	6.7
DLFPS-321/3707	7.7	7.3	5.0	5.7	6.0	7.0	6.0	6.7	7.0	7.0	7.0	6.3	6.3	7.0	6.7
HEMI	7.7	7.3	6.3	6.0	6.3	6.3	6.7	7.0	6.3	7.0	6.7	6.3	6.7	6.7	6.7
TITAN GLX (TF445)	7.7	7.3	6.3	6.7	6.7	6.7	6.7	6.7	6.3	7.3	6.7	6.3	6.7	7.0	6.7
TITANIUM G-LS (PPG-TF 255)	8.0	7.3	5.7	6.0	7.3	6.7	6.3	6.3	7.3	7.3	6.3	6.3	6.7	7.0	6.7
A-TF31	7.0	7.0	5.0	5.7	7.0	6.3	6.0	6.3	6.7	7.3	6.3	6.0	7.0	6.7	6.5
BULLSEYE LTZ	7.7	7.0	6.0	6.7	5.0	7.0	6.7	7.0	6.3	6.3	6.3	6.0	6.3	7.3	6.5
DLFPS-321/3693	7.0	7.3	4.0	6.7	6.0	6.3	5.3	7.0	6.3	7.0	7.0	6.0	6.3	6.7	6.5
DYNAMITE G-LS (PPG-TF 254)	8.0	7.0	6.0	5.7	6.0	5.7	6.7	6.3	6.7	7.0	6.3	6.3	6.3	6.7	6.5
RHF	6.7	7.3	6.0	7.3	5.7	7.0	6.0	7.0	6.3	6.0	6.0	6.7	7.0	6.7	6.5
PPG-TF 316	8.0	6.0	5.0	5.7	6.3	5.0	7.0	6.0	6.3	7.0	6.7	6.0	6.0	6.3	6.4
RAPTOR III	7.7	7.7	5.3	6.3	5.7	7.3	5.7	6.7	6.0	6.3	6.3	6.3	6.7	7.0	6.4
SETFM2	6.7	6.3	6.0	6.0	5.3	6.0	6.3	6.0	7.3	6.0	6.3	6.3	6.0	6.7	6.4
TD2	8.0	6.7	5.3	5.7	6.7	5.7	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.7	6.4
TITAN MAX (TF456)	8.0	7.3	5.0	6.0	6.7	6.3	6.3	6.7	6.3	7.0	6.0	6.0	6.3	6.7	6.4
TMT1	7.0	7.3	5.7	6.3	7.0	5.7	5.7	6.3	6.7	6.7	6.3	6.0	7.0	6.7	6.4
3N1	8.0	7.0	5.0	5.7	6.0	6.0	6.3	6.3	6.0	6.7	6.0	5.7	6.3	7.0	6.3
BULLSEYE	6.7	6.7	6.7	5.7	5.7	5.7	6.3	6.7	6.3	6.3	6.3	6.0	6.3	6.3	6.3
DLFPS-321/3679	7.0	7.0	5.7	7.0	5.3	6.3	6.0	6.7	5.7	6.3	6.3	6.7	6.3	6.3	6.3
DLFPS-TF/3552	6.7	7.3	5.7	6.3	6.3	6.0	6.3	6.3	6.7	6.3	6.3	5.7	6.0	6.3	6.3
K18-RS6	7.3	7.3	4.3	6.7	5.7	6.7	6.0	7.0	5.7	6.3	6.7	5.7	6.0	6.7	6.3
NAI-ST5	7.3	7.0	5.0	7.0	5.3	7.0	6.3	7.0	6.3	6.3	6.0	5.7	6.3	6.7	6.3
NATURALLY GREEN	7.7	7.0	4.3	6.0	5.7	6.7	6.0	6.3	6.7	6.7	6.0	6.0	6.0	7.0	6.3
PPG-TF 249	7.0	6.0	5.3	6.7	5.7	6.7	5.7	6.3	6.3	6.3	6.0	6.0	6.7	6.7	6.3
PPG-TF 312	7.3	6.7	6.0	6.0	5.3	6.7	6.3	6.3	5.7	6.3	6.3	6.0	6.3	6.7	6.3
PPG-TF 318	7.7	6.3	5.3	6.7	5.7	5.7	6.3	6.3	6.0	6.7	6.3	6.3	6.0	6.3	6.3

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL 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	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	QUALITY RATINGS						MEAN		
							APR	MAY	JUN	JUL	AUG	SEP		OCT	NOV
RAPTOR LS (PPG-TF 336)	6.7	6.7	6.0	5.3	5.7	5.0	6.3	6.0	6.3	7.0	6.3	6.0	6.0	6.0	6.3
SE5STAR	8.0	7.0	4.7	6.7	5.3	6.7	7.3	7.0	5.3	6.0	6.0	5.7	6.0	6.7	6.3
ATF2116	7.0	6.7	5.7	5.7	6.0	6.3	5.7	6.0	6.0	6.7	6.0	6.0	6.3	6.7	6.2
BAR 9FE MAS	7.0	7.0	4.3	6.3	6.3	7.0	5.0	6.3	6.7	6.7	6.0	6.0	6.7	6.3	6.2
KENTUCKY-31	8.0	6.0	5.7	5.7	5.0	6.3	7.0	6.0	6.7	6.0	5.3	5.7	6.3	6.7	6.2
NAI-FQZ-17	6.3	6.3	6.0	7.0	6.0	6.0	5.7	6.3	6.7	6.0	6.3	6.0	6.0	6.7	6.2
BAR-FA8230	7.0	6.3	5.3	7.0	6.0	5.7	6.0	6.7	5.7	6.3	6.7	6.0	5.7	6.0	6.1
KIZZLE (K18-ROE)	7.0	6.3	6.3	6.0	5.7	5.7	6.0	6.3	6.0	6.3	6.0	6.3	6.0	6.0	6.1
NT-3	7.3	7.3	6.0	6.7	6.3	6.7	5.7	6.7	5.7	6.3	6.0	5.7	6.3	6.7	6.1
TEACHER (PPG-TF 313)	6.7	6.3	4.0	5.7	5.3	7.0	5.3	6.0	6.3	6.3	6.3	6.3	6.0	6.3	6.1
DAYBREAK (AH2)	7.0	6.0	5.0	5.7	5.3	6.0	6.0	6.3	6.0	5.7	6.3	5.7	6.0	6.3	6.0
ATF1768	6.7	7.3	5.0	6.3	5.0	7.3	6.0	6.0	5.7	6.0	6.0	5.7	5.7	6.7	6.0
DLFPS-321/3695	7.7	6.3	5.3	6.3	5.3	5.7	6.0	6.3	6.0	6.0	6.0	5.3	6.0	6.3	6.0
DLFPS-321/3706	6.7	7.0	4.0	5.7	6.0	6.0	5.7	6.3	6.3	6.3	5.7	5.3	6.0	6.0	6.0
FIREHAWK SLT	6.0	5.7	5.3	6.3	5.7	5.3	5.7	6.0	6.0	6.3	6.3	5.7	6.0	6.0	6.0
GO-AOMK	7.7	6.7	5.7	5.3	5.7	6.0	6.0	6.0	6.3	6.0	5.7	5.3	6.3	6.3	6.0
RAD-TF131	6.3	6.3	5.7	6.0	6.3	5.3	5.3	6.3	5.3	6.0	6.3	6.7	6.0	6.3	6.0
RHL2	6.7	6.0	5.7	6.0	5.3	5.7	6.3	6.3	5.7	6.0	6.0	5.7	6.0	6.0	6.0
BGR-TF3	5.7	7.3	5.7	6.0	6.3	5.7	5.0	6.3	5.7	6.7	5.7	5.3	6.3	6.3	5.9
DLFPS-321/3708	6.7	7.7	3.7	6.7	4.7	6.0	5.0	6.7	6.3	6.0	5.7	6.0	5.7	5.7	5.9
DLFPS-TF/3550	6.7	6.3	5.3	5.3	5.7	6.7	5.3	5.7	5.3	6.3	6.3	5.3	6.0	6.7	5.9
ESTRENA	7.3	6.3	5.0	5.7	5.7	5.7	5.7	6.0	6.3	6.0	5.7	5.3	6.0	6.3	5.9
RS1	6.7	6.7	5.7	6.7	5.7	5.3	6.0	6.3	6.3	6.0	5.7	5.7	5.3	6.0	5.9
5LSS	6.7	6.0	4.7	5.7	4.7	4.7	5.7	6.3	6.0	5.7	6.0	5.3	6.3	5.3	5.8
DLFPS-TF/3553	7.0	5.3	4.3	5.0	5.3	6.3	6.0	5.0	4.7	6.3	5.0	6.0	6.3	7.0	5.8
ESCALADE	7.0	6.0	5.3	5.0	5.7	5.3	6.0	6.0	6.3	6.0	5.3	5.3	5.7	6.0	5.8
PARAMOUNT	6.3	6.7	3.7	6.3	5.3	6.0	5.0	6.0	5.7	6.0	5.7	5.7	6.0	6.3	5.8
SERENADE (PPG-TF 320)	6.7	6.7	4.3	5.7	5.3	6.3	5.3	6.0	6.0	6.0	5.7	5.7	5.7	6.3	5.8
AST8118LM	6.7	7.0	4.7	5.7	5.3	5.3	5.3	6.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7
PPG-TF 337	5.7	6.3	4.7	6.0	5.0	5.3	5.3	5.7	6.7	5.7	5.3	5.3	5.7	5.7	5.7
TRIAD (PPG-TF 323)	6.7	6.7	4.7	6.0	4.3	5.0	5.7	6.0	6.3	5.7	5.7	5.0	5.3	5.3	5.6
DLFPS-321/3694	5.3	5.3	3.7	5.0	5.0	5.3	5.0	5.0	6.0	5.7	5.7	5.3	5.7	5.7	5.5
GRO-PRO (SE53D2)	6.3	6.0	5.0	6.0	5.0	5.0	5.7	5.7	5.7	5.3	5.3	5.0	5.3	5.7	5.5
OG-WALK	7.0	6.3	3.0	5.3	5.3	5.7	5.0	5.0	5.7	5.7	5.3	5.3	5.7	6.0	5.5
TANK (PPG-TF 338)	6.0	5.7	3.7	5.0	5.0	5.3	5.0	5.3	5.3	5.7	5.7	5.3	6.0	5.7	5.5
AST8218LM	7.3	7.3	4.3	6.0	5.0	5.7	5.0	6.0	5.0	5.7	5.3	5.0	5.0	6.0	5.4
BAR FA 8228	7.3	7.0	4.3	6.0	5.0	5.7	5.3	6.0	5.7	5.3	5.3	5.0	4.7	5.7	5.4
AH1	6.0	5.7	4.7	5.7	4.3	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.3
PALOMAR	6.3	7.0	3.3	5.7	5.0	5.7	4.7	5.7	6.0	5.3	5.3	4.7	5.3	5.7	5.3
PPG-TF 267	5.3	6.3	4.0	6.3	4.7	5.3	5.0	5.7	4.7	5.3	5.3	5.3	5.3	5.3	5.3
ZION (BAR TF 134)	5.7	4.7	4.0	6.3	4.3	5.3	5.0	5.3	5.7	5.3	4.7	5.0	5.0	5.3	5.2
PPG-TF 262	5.7	6.0	3.0	6.0	4.7	5.3	4.3	5.3	5.7	5.0	5.0	4.3	5.3	5.3	5.0
LSD VALUE	3.0	5.2	7.3	6.2	4.6	5.1	2.7	4.6	2.8	3.4	3.2	2.6	4.0	3.9	2.5
C.V. (%)	14.5	15.6	30.4	16.3	19.1	20.6	16.8	16.0	15.2	15.5	15.9	15.7	15.6	16.1	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 13.
(CONT'D)

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

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
DLFPS-321/3696	8.0	8.3	8.0	74.0	87.7	82.7	72.3	83.0	69.3
BIRMINGHAM	8.3	8.3	8.0	76.7	86.7	76.3	80.7	75.7	56.7
COPIOUS TF	8.0	7.7	8.0	79.3	89.7	79.3	82.3	83.0	69.7
MOONDANCE GLX	8.0	8.0	8.0	83.3	89.7	78.3	90.7	81.3	76.3
XANADU (JT 268)	7.3	8.3	8.0	72.7	86.7	82.0	84.0	81.7	60.7
BRAVO 2	8.0	8.0	8.7	74.3	83.7	64.3	72.3	78.3	62.3
FAIRFIELD (SETF104)	8.0	8.0	7.7	59.0	87.3	66.0	81.0	79.3	72.7
FAYETTE	7.7	8.0	8.0	65.7	86.7	68.3	85.3	87.0	67.3
PADRE 2	8.0	8.0	8.0	68.7	89.3	76.0	81.0	74.7	68.0
PPG-TF 231	7.3	8.0	8.0	72.7	88.0	74.7	88.0	83.7	69.3
PPG-TF 306	7.3	8.3	8.0	70.7	84.7	78.3	81.0	78.0	58.7
RAD-TF115 (TURBO SS)	8.0	8.0	8.0	75.3	86.3	87.3	92.3	84.0	61.3
STEALTH (PPG-TF 238)	7.0	7.7	8.0	68.7	92.7	89.3	88.3	89.0	76.7
AVENGER III (PPG-TF 308)	8.0	7.7	8.0	54.3	85.0	86.3	92.3	82.7	73.7
DEGAS (LTP-TF-111)	7.3	8.0	8.0	71.7	93.3	82.3	82.3	78.3	66.3
JT 233	8.0	8.0	8.0	59.7	84.7	72.0	78.3	85.3	66.3
PST-5DC24	8.0	7.7	8.0	48.7	78.0	80.7	79.7	77.3	69.3
PST-5DZM	8.0	8.0	7.7	64.3	85.0	82.3	86.0	75.7	72.7
PST-5E6	7.7	8.0	8.0	64.3	77.0	76.3	77.0	75.7	71.7
PST-5MCMO	8.0	8.3	8.0	71.7	81.3	78.0	75.7	67.3	53.7
PST-5TRN	8.0	8.0	8.0	72.7	88.7	80.0	84.0	75.7	71.7
RAD-TF105	8.3	8.3	8.7	65.3	71.7	59.3	67.0	71.3	66.0
BANDIT	8.3	8.3	8.0	67.3	78.7	75.7	77.0	59.7	45.7
DLFPS-321/3699	8.0	8.3	8.0	71.0	84.3	59.3	60.7	66.7	58.3
GRANDE 3	7.7	8.0	8.0	67.0	86.7	64.0	69.7	81.7	70.3
JT 517	7.7	8.0	8.0	70.0	85.7	61.0	73.0	64.3	61.0
OKEEFE (LTP-TF-122)	7.0	8.0	8.0	68.3	88.0	77.7	77.7	78.7	63.7
PPG-TF 257	7.3	7.3	7.7	70.0	86.7	81.7	86.3	86.0	81.3
PST-5THM	7.7	8.0	8.0	61.3	85.0	76.7	83.3	73.0	65.3
RH3	7.7	8.0	8.3	66.3	86.3	91.3	94.3	88.0	70.7
SYMPHONY (PPG-TF 305)	7.7	8.0	8.0	51.7	89.0	88.7	94.3	88.0	75.7
COL-TF-148	7.3	8.0	8.0	67.0	91.7	68.3	73.0	71.7	64.3
DLFPS-321/3703	8.0	7.7	8.0	59.7	80.0	66.3	73.0	66.3	54.3
DRAGSTER	7.3	8.3	7.7	65.0	85.3	88.0	84.7	84.7	59.7
GALACTIC (SESCR1)	7.7	8.0	7.7	62.7	80.0	63.0	67.7	68.7	62.7
GLX ACED (PST-5DART)	7.7	8.0	8.0	73.7	86.0	78.3	83.3	84.3	74.3
MONUMENT (PST-5SQB)	7.7	8.0	8.0	54.7	80.7	76.0	78.7	71.7	58.3
PRO GOLD	7.3	7.3	8.0	79.0	76.3	67.7	70.3	72.7	69.7
PST-5BYOB	7.7	8.0	8.3	67.0	89.0	86.7	86.3	76.0	68.7
PST-5GQ	8.0	8.0	8.0	71.3	84.3	74.7	80.0	75.3	68.7
PST-5MINK	7.7	8.0	8.0	69.0	77.7	72.7	76.3	71.0	60.3
RDC	7.7	8.0	8.0	34.0	81.7	86.7	83.3	75.3	63.0
TANGO	7.7	7.7	8.0	62.3	80.3	66.3	74.7	74.3	64.0
BONFIRE (JS DTT)	6.7	8.0	8.0	41.0	77.7	75.3	80.3	72.7	62.0
DLFPS-321/3701	7.3	8.0	7.7	64.3	77.3	79.7	76.0	76.0	62.7

TABLE 13.
(CONT'D)

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

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
DLFPS-321/3705	7.3	7.3	7.7	59.3	84.7	89.3	84.3	85.0	81.3
FIRENZA II (PPG-TF 244)	7.7	8.0	8.0	52.0	74.7	78.3	78.3	70.0	66.0
K18-NSE	7.3	8.3	8.0	63.7	86.3	77.3	82.0	78.3	52.0
LIFEGUARD	8.7	8.3	7.7	47.0	71.7	53.3	63.0	59.3	37.0
NAI-ROS4	8.0	8.0	8.0	52.3	82.0	74.0	74.7	70.7	59.7
RH1	7.7	8.0	8.0	66.3	79.7	77.0	82.3	75.0	61.7
SETFM3	8.0	8.3	8.3	42.3	66.7	58.7	53.7	64.3	54.3
SPYDER 2LS (ZRC1)	7.3	8.0	8.0	43.3	77.0	69.3	74.0	69.3	64.7
BY-TF-169	7.7	8.0	8.0	40.3	79.0	68.7	78.7	63.0	46.0
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.7	8.0	48.7	68.3	53.0	63.7	54.3	51.3
GO-RH20	7.7	8.0	8.3	64.0	74.7	67.0	63.0	61.3	53.0
GRAND PRIX (FC15-01P)	8.0	8.3	8.0	43.3	56.7	50.7	51.0	62.0	50.7
K18-WB1	7.0	7.3	7.7	51.3	65.0	68.3	78.3	67.0	61.7
LBF	7.7	8.7	8.3	53.3	82.7	69.0	74.7	66.3	53.0
PST-5GLBS	7.0	7.3	7.3	69.3	79.7	67.3	81.0	75.3	60.0
RC4	7.0	7.7	8.0	63.0	67.7	63.7	66.0	66.7	57.7
TALLADEGA II (NAI-3N2)	7.3	8.0	8.0	55.0	80.0	71.0	75.7	65.7	54.7
TOUGH (NAI-TUE)	8.0	8.3	8.0	40.0	68.3	56.0	60.7	60.7	43.3
3B2	8.0	8.0	8.0	40.7	56.3	54.3	56.0	61.3	45.0
DLFPS-321/3702	7.3	7.7	8.0	49.7	61.7	48.0	57.7	54.7	40.0
DLFPS-321/3707	7.3	8.0	8.0	42.7	68.7	60.0	61.7	60.7	52.7
HEMI	7.3	7.7	7.7	52.0	63.0	55.0	50.7	55.0	43.3
TITAN GLX (TF445)	7.3	8.0	8.0	67.3	69.0	64.0	66.7	65.7	56.3
TITANIUM G-LS (PPG-TF 255)	7.3	7.7	8.0	58.3	57.0	62.3	64.0	64.3	57.0
A-TF31	7.7	7.7	8.0	47.0	59.3	55.3	61.7	53.7	51.7
BULLSEYE LTZ	7.0	7.7	8.0	57.0	61.3	66.0	64.7	60.0	52.7
DLFPS-321/3693	7.0	7.7	8.0	33.0	63.7	60.7	66.7	54.3	50.0
DYNAMITE G-LS (PPG-TF 254)	7.0	7.3	7.3	62.3	73.0	65.7	66.7	66.3	60.7
RHF	7.0	7.7	8.0	38.7	61.3	46.3	53.3	61.7	49.7
PPG-TF 316	6.7	7.0	7.0	62.0	65.7	59.3	62.7	62.0	56.0
RAPTOR III	7.7	8.0	8.0	29.3	56.7	59.3	52.3	57.7	52.0
SETFM2	7.3	7.3	7.3	65.7	62.0	45.7	50.3	61.0	50.0
TD2	7.7	8.0	8.0	61.0	61.0	39.0	50.0	53.7	48.3
TITAN MAX (TF456)	7.0	7.3	8.0	51.7	54.3	54.3	60.0	67.7	67.3
TMT1	7.3	8.0	8.0	41.3	51.7	44.3	53.0	56.7	48.7
3N1	6.7	7.7	8.0	32.0	55.0	51.0	51.3	46.3	45.7
BULLSEYE	6.3	6.7	7.0	66.3	66.0	54.7	59.0	62.7	58.3
DLFPS-321/3679	7.3	7.3	8.0	59.3	51.0	43.7	45.0	54.7	39.7
DLFPS-TF/3552	7.0	7.0	8.0	47.0	55.0	38.0	54.0	55.0	43.3
K18-RS6	7.3	7.7	7.7	24.3	58.0	42.3	47.3	46.7	37.0
NAI-ST5	7.0	8.0	8.3	36.0	55.0	43.3	40.0	31.0	29.0
NATURALLY GREEN	7.7	8.0	8.0	30.7	56.7	49.0	48.3	47.7	39.0
PPG-TF 249	7.0	7.0	6.7	26.7	62.7	56.3	53.7	61.0	46.7
PPG-TF 312	7.0	7.3	8.0	38.7	57.7	58.7	54.7	56.0	53.0
PPG-TF 318	7.3	6.7	6.7	57.3	64.7	48.7	61.7	64.7	56.7

TABLE 13.
(CONT'D)

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

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-OCTOBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	SEPTEMBER	OCTOBER
RAPTOR LS (PPG-TF 336)	6.3	6.0	6.3	65.3	66.0	55.0	63.3	64.7	61.3
SE5STAR	7.3	7.7	8.0	54.7	55.7	52.3	43.3	39.3	25.7
ATF2116	7.0	8.3	7.7	41.0	55.0	50.7	52.7	46.7	38.7
BAR 9FE MAS	7.0	8.7	8.0	21.7	43.3	47.7	35.0	36.3	23.7
KENTUCKY-31	6.0	7.0	7.7	47.7	50.3	52.3	42.0	47.0	44.7
NAI-FQZ-17	6.3	7.3	6.7	34.0	58.7	54.3	52.7	52.0	42.3
BAR-FA8230	6.7	6.3	7.3	49.0	58.0	48.3	56.0	55.7	43.0
KIZZLE (K18-ROE)	7.7	7.0	6.3	64.3	65.0	60.7	61.0	57.3	42.0
NT-3	6.0	7.3	7.7	36.3	50.0	49.0	50.7	45.3	47.0
TEACHER (PPG-TF 313)	6.7	6.7	7.7	19.7	57.0	55.0	55.0	55.0	47.3
DAYBREAK (AH2)	7.0	6.7	7.0	39.3	58.3	56.0	57.0	51.7	48.3
ATF1768	6.3	7.0	7.7	34.7	30.7	35.7	45.3	40.3	27.3
DLFPS-321/3695	5.7	6.7	8.0	39.7	54.7	47.3	55.3	51.0	40.0
DLFPS-321/3706	6.0	7.0	6.7	21.0	41.3	41.3	39.3	38.0	33.0
FIREHAWK SLT	7.0	6.7	6.7	36.3	52.0	53.7	50.7	49.7	39.0
GO-AOMK	6.3	8.0	7.0	38.0	38.7	39.7	41.7	39.0	25.3
RAD-TF131	7.7	7.0	7.0	40.0	63.3	47.7	62.3	62.7	51.7
RHL2	7.0	6.7	6.0	43.7	58.0	55.3	58.0	54.7	50.0
BGR-TF3	7.0	7.7	7.3	37.3	45.3	41.3	44.3	44.0	34.7
DLFPS-321/3708	7.7	7.0	7.0	13.3	40.3	33.7	30.0	28.3	24.0
DLFPS-TF/3550	6.7	7.7	7.7	30.0	46.0	32.0	39.3	30.0	25.3
ESTRENA	6.0	7.7	7.7	41.0	50.7	40.0	40.7	48.3	40.7
RS1	6.7	6.3	7.7	50.7	53.3	31.0	41.3	38.7	38.0
5LSS	6.3	7.3	6.7	34.0	45.0	37.0	39.3	36.0	37.3
DLFPS-TF/3553	6.7	7.7	8.0	36.7	34.0	41.3	34.3	61.3	39.0
ESCALADE	6.0	6.7	7.3	49.0	37.0	42.0	34.0	40.3	37.0
PARAMOUNT	7.0	6.7	6.3	30.3	51.3	42.3	37.0	42.0	45.0
SERENADE (PPG-TF 320)	6.7	7.0	7.7	29.7	52.3	47.0	43.3	45.0	40.7
AST8118LM	6.7	6.7	6.7	33.7	36.7	26.0	26.0	33.3	28.7
PPG-TF 337	6.7	6.7	6.3	35.3	35.0	36.0	35.7	35.7	32.0
TRIAD (PPG-TF 323)	5.7	7.0	7.7	29.0	37.3	36.0	39.7	39.7	30.0
DLFPS-321/3694	6.0	6.0	6.3	31.3	33.0	30.3	37.3	45.0	40.7
GRO-PRO (SE53D2)	6.3	6.3	7.0	37.3	36.0	34.3	34.7	31.0	23.0
OG-WALK	5.7	6.7	7.7	8.0	14.7	36.0	22.3	28.3	18.7
TANK (PPG-TF 338)	6.7	7.0	7.3	28.7	31.3	29.7	37.0	37.3	30.7
AST8218LM	6.3	6.7	7.7	25.0	27.0	32.3	22.0	22.3	17.7
BAR FA 8228	5.7	5.3	7.7	28.0	30.3	20.7	16.3	18.0	15.7
AH1	6.0	6.7	5.7	28.0	29.3	30.0	21.0	28.3	23.3
PALOMAR	5.0	6.3	7.3	4.3	24.7	26.0	21.0	19.7	16.3
PPG-TF 267	7.3	7.0	5.3	23.0	29.0	27.3	24.3	18.0	18.3
ZION (BAR TF 134)	6.3	5.7	6.0	20.3	32.7	33.7	33.0	33.0	28.0
PPG-TF 262	6.0	6.3	6.3	5.0	26.7	20.0	15.0	12.3	13.0
LSD VALUE	2.8	4.7	3.1	86.9	76.8	77.4	80.4	94.1	105.3
C.V. (%)	14.1	14.7	12.3	54.2	42.8	44.9	46.7	46.4	51.7

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 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2021 DATA

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

NAME	QUALITY RATINGS							MEAN
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
ZION (BAR TF 134)	5.0	7.0	6.7	5.3	5.7	7.0	6.7	6.4
PPG-TF 249	3.3	7.0	6.7	5.7	5.0	7.3	6.0	6.3
PPG-TF 306	3.7	7.0	7.0	5.7	5.3	6.7	6.3	6.3
PPG-TF 316	3.7	7.3	6.7	5.7	5.3	6.7	6.3	6.3
RHF	4.0	7.0	6.7	5.3	5.3	7.0	6.3	6.3
SPYDER 2LS (ZRC1)	3.3	7.0	6.7	6.0	5.0	7.0	6.0	6.3
5LSS	3.3	7.0	6.7	4.7	5.0	7.0	6.7	6.2
AH1	4.0	7.0	6.7	5.0	5.0	7.3	6.3	6.2
FIREHAWK SLT	3.3	7.0	6.3	5.3	5.0	7.0	6.3	6.2
GALACTIC (SESCR1)	4.0	7.0	6.3	4.7	5.7	7.0	6.3	6.2
PPG-TF 337	3.3	7.0	6.7	5.0	5.7	6.7	6.3	6.2
RAPTOR LS (PPG-TF 336)	3.3	7.3	6.7	5.0	5.3	6.7	6.0	6.2
SYMPHONY (PPG-TF 305)	3.3	7.0	6.7	5.7	5.0	6.7	6.0	6.2
XANADU (JT 268)	3.7	7.3	6.7	5.7	5.0	6.7	6.0	6.2
DRAGSTER	4.3	7.0	6.0	5.3	5.0	7.0	6.3	6.1
DYNAMITE G-LS (PPG-TF 254)	3.7	7.0	6.3	5.0	5.7	6.7	6.0	6.1
K18-NSE	4.7	7.0	6.0	4.7	5.7	7.0	6.3	6.1
PPG-TF 257	3.3	7.0	6.7	5.0	5.0	6.7	6.0	6.1
PPG-TF 262	3.7	7.0	6.3	5.0	5.3	6.7	6.0	6.1
PPG-TF 312	4.0	7.3	6.0	4.7	5.0	7.3	6.3	6.1
RC4	3.3	7.0	6.7	5.3	4.7	6.7	6.3	6.1
RHL2	4.3	7.0	6.0	4.3	5.3	6.7	7.0	6.1
STEALTH (PPG-TF 238)	3.7	7.0	6.3	5.3	5.3	6.3	6.0	6.1
3N1	3.3	7.0	6.7	5.0	5.0	6.3	6.0	6.0
BANDIT	3.3	6.7	6.3	5.7	5.3	6.3	5.7	6.0
BULLSEYE LTZ	3.7	7.0	6.3	5.0	5.0	6.7	6.0	6.0
BY-TF-169	4.0	7.0	6.0	4.3	5.7	7.0	6.0	6.0
DLFPS-321/3705	3.3	7.0	6.3	4.7	5.3	6.7	6.0	6.0
GO-RH20	4.0	7.0	6.3	5.0	5.0	6.7	6.0	6.0
NAI-ROS4	4.3	7.0	6.0	4.7	5.3	7.0	6.0	6.0
PPG-TF 267	3.3	7.0	6.7	4.7	5.0	6.7	6.0	6.0
RDC	3.7	7.0	6.7	4.7	5.3	6.3	6.0	6.0
TEACHER (PPG-TF 313)	4.3	7.0	6.3	4.0	5.0	7.0	6.7	6.0
TRIAD (PPG-TF 323)	3.7	7.0	6.3	4.7	5.3	6.7	6.0	6.0
BONFIRE (JS DTT)	3.3	7.0	6.7	4.3	5.0	6.7	6.0	5.9
COPIOUS TF	3.7	6.7	7.0	5.0	5.3	6.0	5.3	5.9
DEGAS (LTP-TF-111)	4.0	7.0	6.3	4.3	5.0	6.7	6.0	5.9
DLFPS-321/3706	4.0	7.0	6.7	4.0	5.0	6.3	6.3	5.9
DLFPS-321/3708	3.3	7.3	6.3	4.3	4.7	6.7	6.0	5.9
FAIRFIELD (SETF104)	3.7	7.0	6.0	5.3	5.0	6.3	6.0	5.9
FIRECRACKER G-LS (PPG-TF 315)	4.0	7.0	6.3	5.0	5.0	6.3	5.7	5.9
FIRENZA II (PPG-TF 244)	3.3	7.0	6.7	5.0	4.7	6.3	6.0	5.9
GRANDE 3	4.3	7.0	6.0	4.3	5.3	6.7	6.0	5.9
K18-RS6	4.3	7.0	6.0	4.3	5.3	7.0	6.0	5.9
K18-WB1	4.3	7.0	6.3	4.3	5.0	7.0	6.0	5.9

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2021 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
KIZZLE (K18-ROE)	4.3	7.0	6.7	5.0	5.0	6.0	6.0	5.9
PADRE 2	4.0	7.0	6.3	5.0	5.0	6.3	6.0	5.9
PPG-TF 231	4.0	7.0	6.3	5.0	5.0	6.3	6.0	5.9
PRO GOLD	3.7	7.0	6.7	5.0	4.3	6.3	6.0	5.9
PST-5E6	4.0	7.0	6.3	5.3	5.0	6.0	6.0	5.9
PST-5MCMO	3.3	7.0	6.3	5.0	4.7	6.7	6.0	5.9
PST-5MINK	4.0	7.0	6.0	4.3	5.3	6.7	6.0	5.9
RS1	4.0	7.0	6.0	4.3	5.0	6.7	6.3	5.9
TALLADEGA II (NAI-3N2)	4.3	7.0	6.7	4.7	5.0	6.3	6.0	5.9
TD2	4.3	7.0	6.3	4.7	5.3	6.3	6.0	5.9
TITANIUM G-LS (PPG-TF 255)	3.7	7.0	6.7	4.3	5.0	6.3	6.0	5.9
DAYBREAK (AH2)	3.7	7.0	6.0	4.0	5.0	6.7	6.3	5.8
AVENGER III (PPG-TF 308)	3.7	6.7	6.0	4.7	5.0	6.7	6.0	5.8
DLFPS-321/3702	4.0	7.0	6.0	3.7	5.3	7.0	6.0	5.8
DLFPS-TF/3550	3.3	7.0	6.3	4.7	4.7	6.3	5.7	5.8
HEMI	3.7	7.0	6.3	4.3	5.0	6.3	5.7	5.8
LIFEGUARD	4.0	7.0	6.3	4.7	5.0	6.0	6.0	5.8
NAI-ST5	4.0	7.0	6.0	4.7	5.0	6.3	6.0	5.8
OKEEFE (LTP-TF-122)	4.0	7.0	6.0	4.0	5.3	6.3	6.0	5.8
PPG-TF 318	4.3	7.0	6.3	4.7	5.0	6.0	6.0	5.8
PST-5BYOB	4.0	7.0	6.3	5.0	4.7	6.0	6.0	5.8
PST-5DC24	3.0	6.7	6.7	5.0	4.7	6.3	5.7	5.8
PST-5DZM	3.3	7.0	6.3	4.3	4.7	6.3	6.0	5.8
RAD-TF105	4.0	7.0	6.3	4.3	5.0	6.3	5.7	5.8
RAD-TF131	3.3	6.3	6.3	5.0	5.0	6.0	6.0	5.8
RH3	4.0	7.3	6.0	4.3	4.3	7.0	5.7	5.8
TANGO	3.7	7.0	6.0	5.3	5.0	6.0	5.7	5.8
TANK (PPG-TF 338)	4.0	7.0	6.3	4.3	4.7	6.7	6.0	5.8
TITAN GLX (TF445)	4.0	7.0	6.0	4.3	5.0	6.7	6.0	5.8
TOUGH (NAI-TUE)	3.7	7.0	6.3	4.7	4.7	6.0	6.0	5.8
BRAVO 2	4.0	7.0	6.0	4.7	4.7	5.7	6.0	5.7
COL-TF-148	4.0	7.3	6.0	4.0	4.3	6.7	5.7	5.7
DLFPS-321/3679	3.3	7.0	6.3	4.7	4.3	6.0	5.7	5.7
DLFPS-321/3695	4.3	6.7	6.7	4.3	4.7	6.0	6.0	5.7
DLFPS-321/3701	3.3	7.0	6.0	4.0	4.7	6.3	6.0	5.7
DLFPS-TF/3552	4.0	7.0	6.3	4.3	4.7	6.0	6.0	5.7
DLFPS-TF/3553	3.7	7.0	6.0	4.3	4.3	6.7	6.0	5.7
ESTRENA	3.0	7.0	6.0	4.3	4.7	6.0	6.0	5.7
GRO-PRO (SE53D2)	3.7	6.7	6.3	4.7	5.0	6.0	5.7	5.7
MONUMENT (PST-5SQB)	4.0	6.3	6.3	4.0	4.7	6.7	6.0	5.7
NT-3	4.0	6.7	6.3	4.3	4.3	6.7	6.0	5.7
PST-5GLBS	3.7	7.0	5.7	4.7	4.7	6.3	5.7	5.7
PST-5GQ	3.0	6.7	6.3	5.0	4.7	6.0	5.7	5.7
SERENADE (PPG-TF 320)	4.7	6.7	6.3	4.0	5.3	6.0	6.0	5.7
SETFM3	4.0	6.7	6.0	4.7	5.0	6.7	5.3	5.7

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2021 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/							
	SPRING GREENUP	MAY	JUN	QUALITY RATINGS				MEAN
				JUL	AUG	SEP	OCT	
TITAN MAX (TF456)	3.7	6.7	6.0	4.3	5.0	6.0	6.0	5.7
AST8218LM	4.0	6.7	6.3	4.7	4.3	6.0	5.7	5.6
ATF2116	4.0	7.0	5.7	4.3	4.7	5.7	6.0	5.6
BIRMINGHAM	4.3	6.7	6.0	4.7	4.3	6.0	5.7	5.6
BULLSEYE	4.3	7.0	6.0	4.7	4.0	6.0	6.0	5.6
DLFPS-321/3693	4.3	7.3	6.0	3.3	4.3	6.7	6.0	5.6
DLFPS-321/3699	4.0	6.7	6.0	4.0	4.7	6.3	6.0	5.6
FAYETTE	4.7	6.7	6.0	3.7	5.0	6.3	6.0	5.6
GLX ACED (PST-5DART)	4.0	6.7	6.3	4.3	4.7	6.0	5.3	5.6
JT 233	4.0	7.0	6.3	4.3	4.3	6.0	5.7	5.6
NAI-FQZ-17	4.0	6.3	6.3	4.3	5.0	6.0	5.7	5.6
PARAMOUNT	4.7	7.0	6.0	3.7	4.7	6.3	5.7	5.6
PST-5THM	3.7	6.7	6.3	4.3	4.7	5.7	6.0	5.6
PST-5TRN	3.7	6.7	6.0	4.3	4.7	6.0	5.7	5.6
RAD-TF115 (TURBO SS)	3.7	6.7	6.3	4.3	4.3	6.3	5.3	5.6
RH1	3.7	7.0	5.7	4.0	4.7	6.3	6.0	5.6
SE5STAR	4.0	6.7	6.0	3.3	5.0	6.0	6.0	5.5
SETFM2	4.0	6.3	6.0	4.7	4.3	6.0	5.7	5.5
3B2	4.0	7.0	5.7	3.7	4.3	6.0	6.0	5.4
A-TF31	3.3	6.7	6.0	3.7	4.3	6.3	5.3	5.4
BAR 9FE MAS	3.3	6.3	5.3	4.3	4.7	6.0	6.0	5.4
BAR-FA8230	3.7	7.0	6.0	4.7	4.0	5.7	5.3	5.4
DLFPS-321/3694	4.3	7.0	6.0	3.7	4.0	6.0	6.0	5.4
DLFPS-321/3696	4.0	7.0	5.7	3.7	4.7	6.0	5.7	5.4
DLFPS-321/3703	4.7	7.0	5.7	3.3	4.3	6.3	6.0	5.4
DLFPS-321/3707	4.0	6.7	6.3	4.0	4.0	6.0	5.7	5.4
GO-AOMK	4.0	6.3	6.0	4.3	4.7	6.0	5.0	5.4
JT 517	3.0	7.0	5.7	4.7	4.3	5.7	5.3	5.4
LBF	3.7	6.3	6.0	4.0	4.3	6.3	5.7	5.4
MOONDANCE GLX	4.3	6.7	5.7	3.7	4.7	6.0	6.0	5.4
RAPTOR III	4.0	6.7	6.3	4.0	4.3	6.0	5.3	5.4
TMT1	3.7	7.0	6.0	4.0	4.0	6.0	5.7	5.4
AST8118LM	3.7	6.7	6.0	4.0	3.7	6.0	5.7	5.3
ESCALADE	4.0	6.0	6.0	4.3	3.7	6.0	5.7	5.3
GRAND PRIX (FC15-01P)	3.3	6.3	6.0	3.7	4.0	6.0	6.0	5.3
NATURALLY GREEN	3.7	6.7	6.0	4.3	4.3	5.7	5.0	5.3
OG-WALK	3.7	6.3	6.0	4.0	4.0	6.0	5.7	5.3
ATF1768	3.7	7.0	6.0	3.3	3.7	5.7	5.7	5.2
BAR FA 8228	3.3	6.0	5.7	3.7	5.0	5.7	5.3	5.2
BGR-TF3	4.0	6.7	5.7	3.7	4.3	5.7	5.3	5.2
KENTUCKY-31	4.7	6.0	5.7	4.3	4.3	5.3	5.7	5.2
PALOMAR	4.0	6.0	5.7	3.7	3.7	6.0	5.7	5.1
LSD VALUE	2.2	0.8	3.9	9.3	2.2	1.1	0.8	1.5
C.V. (%)	16.6	5.2	10.2	27.8	14.5	8.4	6.7	7.6

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

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

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/							
NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
5LSS	6.7	6.3	6.0	6.7	6.7	7.7	6.7
DLFPS-TF/3550	6.3	6.3	6.3	6.3	6.7	8.0	6.7
BULLSEYE LTZ	7.0	5.7	6.0	6.3	6.7	7.7	6.6
DLFPS-321/3701	6.7	6.0	6.3	6.3	6.3	7.7	6.6
PPG-TF 312	6.7	6.0	6.0	6.3	6.7	8.0	6.6
TD2	6.0	6.3	6.3	6.3	6.7	8.0	6.6
TITANIUM G-LS (PPG-TF 255)	6.7	6.0	5.7	6.3	7.0	8.0	6.6
BONFIRE (JS DTT)	6.3	6.3	5.7	6.7	6.7	7.3	6.5
DLFPS-321/3708	6.3	6.0	6.0	6.0	6.7	8.0	6.5
RHL2	6.0	5.7	6.0	6.7	7.0	7.7	6.5
RS1	5.7	6.7	5.7	6.3	6.7	8.0	6.5
SERENADE (PPG-TF 320)	6.0	5.7	6.3	6.3	7.0	7.7	6.5
TITAN GLX (TF445)	5.7	6.0	6.3	6.3	7.0	7.7	6.5
ZION (BAR TF 134)	6.3	6.0	6.7	6.0	6.7	7.3	6.5
BAR-FA8230	6.0	6.0	6.3	6.7	6.0	7.3	6.4
DEGAS (LTP-TF-111)	6.3	5.7	6.3	6.3	6.3	7.7	6.4
DLFPS-321/3707	6.3	6.0	6.0	5.7	6.7	7.7	6.4
FIRENZA II (PPG-TF 244)	6.0	5.7	6.0	6.0	6.7	8.0	6.4
PPG-TF 262	6.3	6.0	6.0	6.0	6.7	7.7	6.4
ATF1768	6.3	6.0	6.0	6.3	6.0	7.3	6.3
BY-TF-169	6.0	6.0	6.7	5.7	6.7	7.0	6.3
DLFPS-321/3706	6.3	5.7	6.0	6.0	6.7	7.3	6.3
DLFPS-TF/3553	6.0	5.7	6.3	6.3	6.7	7.0	6.3
GALACTIC (SESCR1)	6.7	5.7	5.7	6.0	6.7	7.3	6.3
GO-RH20	6.3	6.0	5.3	6.0	6.3	7.7	6.3
JT 517	5.7	6.0	5.3	6.3	6.7	8.0	6.3
NAI-ST5	6.3	6.0	6.0	6.0	6.0	7.3	6.3
PPG-TF 231	6.3	5.7	5.7	5.7	7.0	7.3	6.3
PPG-TF 306	5.3	6.0	6.0	6.0	6.7	8.0	6.3
PPG-TF 316	6.0	6.0	6.0	6.3	6.3	7.0	6.3
RH1	6.0	5.7	5.7	6.0	6.7	8.0	6.3
RH3	6.7	6.0	5.7	5.7	6.3	7.3	6.3
SPYDER 2LS (ZRC1)	5.7	5.7	6.0	5.7	7.0	7.7	6.3
SYMPHONY (PPG-TF 305)	6.0	6.0	6.0	6.0	6.7	7.3	6.3
TITAN MAX (TF456)	6.7	5.3	5.7	6.0	6.7	7.3	6.3
DAYBREAK (AH2)	6.0	5.7	6.0	5.7	6.0	8.0	6.2
DLFPS-321/3693	6.0	5.7	5.7	5.7	6.0	8.0	6.2
DLFPS-321/3699	5.7	5.7	5.7	6.0	6.3	7.7	6.2
DLFPS-321/3702	5.7	5.7	6.0	6.0	6.7	7.3	6.2
DLFPS-TF/3552	6.0	6.0	6.0	6.0	6.0	7.3	6.2
DRAGSTER	5.7	5.7	5.3	6.3	6.3	7.7	6.2
DYNAMITE G-LS (PPG-TF 254)	6.7	5.3	6.0	5.7	6.3	7.3	6.2
K18-RS6	6.0	6.0	5.3	5.3	6.7	7.7	6.2
LIFEGUARD	5.3	5.7	6.0	5.3	6.7	8.0	6.2
OKEEFE (LTP-TF-122)	5.3	5.7	5.7	6.3	7.0	7.0	6.2

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/						MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	
PPG-TF 257	5.7	5.3	5.7	5.7	7.0	7.7	6.2
PPG-TF 337	6.3	5.7	6.0	6.0	6.0	7.3	6.2
TRIAD (PPG-TF 323)	5.3	5.3	6.3	6.0	6.7	7.7	6.2
3N1	5.7	6.0	5.7	5.3	5.7	8.0	6.1
AVENGER III (PPG-TF 308)	5.3	5.7	5.7	5.7	6.3	7.7	6.1
COL-TF-148	6.0	6.0	6.0	5.3	6.0	7.0	6.1
DLFPS-321/3695	6.0	5.3	5.7	5.3	6.3	7.7	6.1
DLFPS-321/3705	5.7	5.3	5.7	5.3	7.0	7.7	6.1
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.0	5.7	6.0	6.7	7.7	6.1
NAI-ROS4	5.7	5.7	6.0	6.0	6.0	7.3	6.1
NT-3	6.3	5.7	5.7	5.7	6.3	7.0	6.1
PARAMOUNT	5.7	6.0	5.7	5.7	6.0	7.7	6.1
PPG-TF 249	5.7	5.7	5.7	6.0	6.3	7.0	6.1
PPG-TF 318	5.3	5.7	5.3	6.0	6.7	7.3	6.1
PST-5E6	5.0	5.3	6.0	6.0	6.3	7.7	6.1
RAPTOR LS (PPG-TF 336)	5.3	5.0	6.0	6.3	6.3	7.3	6.1
SETFM3	6.0	5.3	6.0	5.7	6.0	7.7	6.1
STEALTH (PPG-TF 238)	5.7	5.7	5.3	5.3	6.7	8.0	6.1
TMT1	6.0	5.7	5.7	5.7	6.0	7.7	6.1
PPG-TF 267	6.0	5.3	5.7	5.3	6.3	7.3	6.0
RAD-TF115 (TURBO SS)	5.7	5.3	5.3	5.7	6.3	7.7	6.0
RAPTOR III	6.3	5.7	5.7	5.0	6.3	7.0	6.0
RDC	5.7	5.0	5.7	6.0	6.7	7.0	6.0
TEACHER (PPG-TF 313)	5.7	5.3	6.0	5.7	6.0	7.3	6.0
ATF2116	5.7	5.3	5.3	5.0	6.3	8.0	5.9
DLFPS-321/3694	6.0	5.3	5.7	5.0	6.3	7.0	5.9
FAIRFIELD (SETF104)	5.7	5.3	5.7	5.3	6.3	7.0	5.9
K18-WB1	5.7	5.0	5.7	5.3	6.3	7.7	5.9
PST-5DZM	5.3	5.3	5.3	5.7	6.3	7.3	5.9
RC4	6.0	5.7	5.3	5.3	6.0	7.3	5.9
DLFPS-321/3703	4.7	5.3	6.0	5.3	6.3	7.0	5.8
ESTRENA	5.3	5.0	5.3	5.3	6.3	7.3	5.8
GLX ACED (PST-5DART)	5.3	5.7	5.3	5.0	6.0	7.7	5.8
GRANDE 3	5.3	6.0	5.3	5.0	6.0	7.0	5.8
HEMI	5.7	5.0	5.3	5.3	6.7	7.0	5.8
JT 233	5.7	5.0	6.0	5.0	6.0	7.0	5.8
LBF	5.7	5.7	5.3	5.3	5.7	7.0	5.8
MOONDANCE GLX	5.7	5.3	5.7	5.0	5.7	7.7	5.8
NAI-FQZ-17	5.3	5.3	5.7	5.3	6.0	7.0	5.8
PST-5GLBS	5.3	5.3	5.3	5.3	6.0	7.7	5.8
TANK (PPG-TF 338)	5.3	5.7	5.7	5.3	6.3	6.7	5.8
AST8218LM	5.7	5.3	5.0	5.0	6.0	7.3	5.7
BAR FA 8228	5.3	5.0	5.0	5.7	6.0	7.0	5.7
DLFPS-321/3679	5.7	5.7	5.3	5.3	5.3	7.0	5.7
FIREHAWK SLT	5.7	5.3	5.0	5.3	6.0	6.7	5.7

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2021 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
K18-NSE	5.0	5.0	5.7	5.3	6.7	6.7	5.7
NATURALLY GREEN	5.7	6.0	5.0	4.7	5.7	7.0	5.7
PADRE 2	6.3	5.3	5.7	4.0	6.3	6.7	5.7
PST-5MCMO	5.3	4.7	5.0	6.0	6.3	6.7	5.7
PST-5TRN	4.7	5.3	5.7	6.0	6.0	6.7	5.7
TALLADEGA II (NAI-3N2)	6.0	4.7	5.0	5.0	6.0	7.7	5.7
XANADU (JT 268)	5.3	5.3	5.0	5.0	6.3	7.3	5.7
3B2	5.7	5.0	5.0	5.3	6.0	6.3	5.6
A-TF31	5.3	6.0	5.0	5.0	5.7	6.3	5.6
AH1	5.0	5.0	5.3	5.3	6.0	7.0	5.6
BRAVO 2	6.0	5.0	5.3	4.7	5.7	6.7	5.6
KIZZLE (K18-ROE)	5.3	5.0	5.3	5.3	6.3	6.3	5.6
PST-5DC24	5.3	5.0	5.3	5.3	5.7	7.0	5.6
PST-5GQ	4.7	4.7	5.0	5.7	6.3	7.0	5.6
PST-5MINK	5.0	5.3	5.0	5.0	6.0	7.0	5.6
TANGO	5.3	5.0	5.0	4.7	5.7	7.7	5.6
DLFPS-321/3696	5.7	5.0	5.0	6.0	5.3	6.0	5.5
FAYETTE	5.7	5.3	5.0	5.0	5.7	6.3	5.5
SETFM2	5.7	5.7	5.0	4.7	5.3	6.7	5.5
BAR 9FE MAS	5.0	5.3	5.0	5.0	5.3	7.0	5.4
BULLSEYE	5.3	5.0	4.7	4.7	5.7	7.0	5.4
COPIOUS TF	6.0	5.0	5.0	4.7	5.7	6.3	5.4
GO-AOMK	5.7	5.7	4.7	3.7	5.7	7.3	5.4
MONUMENT (PST-5SQB)	5.0	5.0	5.0	5.0	5.7	6.7	5.4
PRO GOLD	5.0	5.0	5.0	4.7	6.3	6.7	5.4
PST-5BYOB	5.0	5.0	5.3	5.0	5.3	6.7	5.4
RAD-TF131	4.3	4.5	5.3	5.0	6.3	6.3	5.4
RHF	5.7	4.3	5.3	5.3	6.0	5.7	5.4
SE5STAR	6.0	5.0	5.0	5.0	6.0	5.3	5.4
TOUGH (NAI-TUE)	5.3	5.3	4.7	4.7	5.7	7.0	5.4
GRAND PRIX (FC15-01P)	5.0	4.7	5.0	4.7	5.7	7.0	5.3
GRO-PRO (SE53D2)	5.3	5.0	4.7	4.7	6.0	6.3	5.3
RAD-TF105	5.0	4.7	4.7	5.3	5.7	6.3	5.3
PST-5THM	4.7	4.7	5.0	4.7	6.3	5.7	5.2
AST8118LM	4.7	4.7	4.3	4.3	5.7	6.7	5.1
BANDIT	5.0	4.7	4.7	4.3	5.3	6.3	5.1
ESCALADE	5.3	5.0	5.0	4.0	5.0	6.0	5.1
BGR-TF3	5.0	5.0	4.7	4.0	4.7	6.7	5.0
BIRMINGHAM	5.0	5.0	4.7	4.0	5.0	6.3	5.0
PALOMAR	4.7	5.0	5.0	4.0	5.0	6.0	4.9
OG-WALK	5.0	5.3	4.7	4.0	4.3	5.7	4.8
KENTUCKY-31	3.0	2.7	2.3	2.7	2.7	3.0	2.7
LSD VALUE	2.6	1.7	1.6	1.8	1.9	1.9	1.1
C.V. (%)	15.3	13.0	13.2	16.1	13.0	12.2	9.7

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

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

TABLE 16.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	CT1	GA1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	OR1	PA2	TN1	UT1	MEAN
AST8218LM	7.7	8.0	8.3	7.3	7.3	7.7	8.0	7.0	7.0	8.3	7.0	7.3	5.0	7.0	7.4
SETFM2	8.3	8.0	7.0	7.7	7.7	7.3	7.7	7.0	6.3	6.3	7.3	8.3	5.0	6.7	7.2
RAD-TF115 (TURBO SS)	7.3	7.7	8.0	7.7	7.7	6.3	7.3	7.0	6.0	9.0	7.3	7.0	5.0	6.7	7.1
AST8118LM	7.7	8.0	7.0	7.0	7.3	7.3	7.7	6.7	7.0	8.0	7.3	7.0	5.0	6.7	7.1
RAD-TF131	8.0	8.0	7.0	7.3	8.0	7.0	7.0	7.0	6.0	8.3	6.3	8.0	5.0	6.0	7.1
BGR-TF3	7.7	7.3	8.0	7.0	7.3	7.7	7.7	6.3	6.3	7.7	7.3	7.3	5.0	6.0	7.0
GO-AOMK	8.0	8.0	7.3	7.0	7.0	6.7	8.0	7.0	6.3	7.7	6.3	7.7	5.0	6.0	7.0
BANDIT	7.3	7.3	7.7	7.0	7.0	7.7	8.0	7.0	6.0	7.3	6.3	8.0	5.0	5.7	7.0
DLFPS-321/3708	8.0	7.7	6.7	7.0	7.0	6.7	7.7	7.0	6.3	7.7	7.3	7.0	5.0	6.3	7.0
RAD-TF105	8.3	7.7	6.3	7.0	7.0	7.0	8.0	7.0	6.3	8.0	7.0	7.3	5.0	5.3	7.0
TOUGH (NAI-TUE)	7.3	7.7	6.3	7.3	7.3	8.0	7.7	7.0	6.0	7.7	6.7	7.7	5.0	5.3	6.9
LBF	7.7	8.0	7.0	7.0	7.3	7.0	7.7	7.0	6.7	6.7	6.7	7.3	5.0	5.7	6.9
NATURALLY GREEN	8.0	7.7	7.3	7.0	7.0	6.7	7.0	6.7	6.0	7.0	6.7	8.3	5.0	6.3	6.9
ROWDIER (DLFPS-321/3699)	8.0	7.7	6.7	7.3	7.0	6.3	8.0	6.7	6.3	8.0	7.3	7.0	5.0	5.3	6.9
SETFM3	8.0	7.7	7.0	7.7	7.0	6.7	8.0	7.0	6.3	7.3	6.3	7.0	5.0	5.7	6.9
JT 517	8.0	8.0	7.0	7.0	7.0	6.7	7.3	7.0	6.0	7.3	6.7	7.7	5.0	5.7	6.9
RACEWAY (DLFPS-321/3696)	7.3	8.0	5.3	7.0	7.0	7.0	8.0	6.7	6.3	8.7	7.0	7.0	5.0	6.0	6.9
PPG-TF 267	7.7	7.7	5.7	6.3	7.7	6.7	7.3	7.0	6.0	9.0	7.0	7.0	5.0	5.0	6.8
XANADU (JT 268)	7.3	7.7	5.3	7.3	7.3	7.0	8.0	7.0	6.3	8.0	6.7	7.0	4.7	5.0	6.8
A-TF31	7.7	7.7	6.3	7.3	6.3	6.7	8.0	6.7	6.3	6.7	7.0	7.0	5.0	6.0	6.8
PST-5DC24	6.3	7.7	7.0	7.0	7.0	6.3	7.3	7.0	6.3	8.0	6.7	7.3	5.0	5.7	6.8
NAI-FQZ-17	7.0	7.7	7.0	7.0	7.0	7.3	7.7	7.0	6.0	7.3	6.3	7.0	5.0	5.3	6.8
NAI-ST5	6.7	7.7	5.7	7.3	7.3	7.0	8.0	7.0	6.0	7.0	7.0	7.7	5.0	5.3	6.8
DLFPS-321/3703	7.0	7.7	6.7	6.7	7.0	7.0	7.3	7.0	6.0	7.3	7.0	7.7	5.0	5.0	6.7
PPG-TF 316	7.0	8.0	6.3	7.0	7.0	6.0	8.0	6.7	6.3	7.7	6.3	7.3	5.0	5.7	6.7
ATF2116	7.0	7.3	6.0	7.7	6.7	7.0	7.7	6.7	6.0	6.7	6.7	7.0	5.0	6.7	6.7
DLFPS-321/3694	7.7	8.0	5.3	6.7	7.3	6.7	7.7	7.0	6.0	7.7	7.0	7.0	5.0	5.0	6.7
ENDGAME (3N1)	6.3	7.3	6.7	7.0	7.3	6.7	7.7	6.7	6.0	7.7	6.7	8.0	5.0	5.0	6.7
COPIOUS TF	7.3	8.0	6.0	7.0	7.0	7.7	7.3	6.7	6.0	7.3	6.0	7.3	5.0	5.3	6.7
FAIRFIELD (SETF104)	7.3	8.0	6.7	6.7	7.0	6.3	7.3	7.0	6.0	7.0	7.3	7.0	5.0	5.0	6.7
HOUND OG NINE (DLFPS-321/3702)	7.3	7.7	6.0	7.0	7.3	6.3	7.7	6.7	6.0	7.7	6.7	7.0	5.0	5.3	6.7
TRIAD (PPG-TF 323)	7.3	7.7	6.0	7.0	7.0	6.3	8.0	6.3	6.0	8.0	6.7	7.3	5.0	5.0	6.7
BIRMINGHAM	7.3	7.3	7.0	7.3	7.0	7.3	7.7	7.0	6.0	6.7	6.3	6.3	5.0	5.3	6.7
PPG-TF 231	7.3	7.3	6.7	7.0	7.0	6.7	7.7	6.7	6.0	7.3	6.3	7.3	5.0	5.3	6.7
RH1	7.7	7.0	6.7	6.7	7.3	6.0	8.0	7.0	6.0	7.0	7.0	6.7	5.0	5.3	6.7
TANK (PPG-TF 338)	7.0	7.3	5.3	7.3	7.0	7.3	8.0	7.0	5.7	7.7	6.7	7.0	5.0	5.0	6.7
TITANIUM G-LS (PPG-TF 255)	7.7	7.0	6.0	7.0	7.0	6.3	7.7	7.0	6.0	7.7	7.0	7.0	5.0	5.0	6.7
ROVER (PPG-TF 306)	7.7	7.7	5.3	7.0	7.0	6.7	7.3	6.7	6.0	7.7	7.0	7.3	5.0	5.0	6.7
BAR 9FE MAS	8.0	7.3	8.0	6.0	7.3	6.7	7.7	6.7	6.3	6.7	6.3	6.3	5.0	5.0	6.7
PARAMOUNT	7.7	7.7	6.3	7.3	7.3	6.7	7.7	7.0	6.0	7.0	6.0	6.3	5.0	5.3	6.7
DLFPS-321/3707	7.0	7.7	5.7	7.0	7.0	6.7	8.0	6.7	6.0	7.3	6.7	7.3	5.0	5.0	6.6
JT 233	7.0	7.3	5.3	6.7	6.7	7.7	8.0	7.0	6.0	7.7	6.7	7.0	5.0	5.0	6.6
PPG-TF 249	7.3	8.0	6.0	6.7	7.0	6.7	7.7	6.7	6.0	7.3	6.7	7.3	5.0	4.7	6.6
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.7	5.7	6.7	7.3	6.7	6.7	7.0	6.0	7.3	7.0	7.0	5.0	5.7	6.6
AVENGER III (PPG-TF 308)	7.0	7.7	6.3	7.0	7.0	6.7	7.0	6.7	6.0	7.3	7.0	7.0	5.0	5.0	6.6
K18-WB1	7.3	7.7	6.0	6.7	7.0	6.3	7.3	6.7	6.0	7.7	6.7	7.0	5.0	5.0	6.6

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	CT1	GA1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	OR1	PA2	TN1	UT1	MEAN
PPG-TF 257	7.3	7.7	6.0	7.0	7.0	7.0	7.3	6.3	6.0	7.7	6.3	6.7	5.0	5.0	6.6
TALLADEGA II (NAI-3N2)	7.0	7.0	5.7	7.0	7.0	7.0	7.7	6.7	6.0	7.0	7.0	7.3	5.0	5.0	6.6
BONFIRE (JS DTT)	7.7	7.0	5.3	6.3	7.0	7.0	7.7	7.0	6.0	7.7	6.3	7.0	5.0	5.3	6.6
DLFPS-TF/3553	7.0	8.0	5.3	6.7	7.3	6.0	7.7	6.7	6.0	7.7	6.7	7.0	5.0	5.0	6.6
GALLARDO (DLFPS-TF/3550)	6.7	7.3	6.0	7.0	7.0	6.0	7.3	7.0	6.3	7.7	6.3	7.3	5.0	5.0	6.6
GO-RH20	7.3	7.7	5.7	6.7	7.0	5.7	8.0	7.0	6.0	7.0	7.0	7.0	5.0	5.0	6.6
PST-5MINK	7.0	6.7	6.3	6.7	7.0	7.0	8.0	7.0	6.3	7.3	6.3	6.3	5.0	5.0	6.6
TD2	7.3	7.7	5.7	7.0	7.0	6.3	7.7	7.0	6.0	6.7	6.7	6.7	5.0	5.0	6.5
PPG-TF 262	7.3	7.3	6.3	6.3	7.0	6.7	7.0	7.0	6.0	7.3	6.7	6.7	5.0	5.0	6.5
RC4	7.0	7.3	5.3	6.7	7.0	6.3	7.0	7.0	6.0	8.3	6.7	7.0	5.0	5.0	6.5
SYMPHONY (PPG-TF 305)	6.7	7.7	5.3	7.3	7.0	6.3	7.3	7.0	6.0	7.0	7.0	7.3	5.0	4.7	6.5
TANGO	6.7	7.7	6.7	6.7	7.0	6.3	7.3	6.7	6.0	7.3	6.3	6.3	5.0	5.7	6.5
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.7	5.3	7.3	7.0	7.0	7.7	6.7	6.0	7.0	6.3	7.0	5.0	5.0	6.5
FAYETTE	7.0	7.3	7.0	7.3	7.0	6.3	7.0	6.7	6.0	7.0	6.7	6.3	4.7	5.3	6.5
SR 8700 (TMT1)	6.7	7.0	5.3	6.7	7.3	6.7	8.0	7.0	6.0	7.3	6.3	7.3	5.0	5.0	6.5
BULLSEYE LTZ	7.3	8.0	5.0	7.0	7.0	5.7	7.7	7.0	6.0	7.3	6.3	7.3	5.0	5.0	6.5
AH1	7.0	7.7	5.0	6.3	7.0	6.7	7.3	6.7	6.0	7.3	7.0	7.3	5.0	5.0	6.5
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.3	5.7	7.0	7.0	6.7	7.7	7.0	6.0	7.0	6.3	6.7	5.0	5.0	6.5
BRAVO 2	7.3	7.3	6.3	7.0	6.7	6.7	7.3	6.7	6.0	7.0	6.0	7.0	5.0	5.0	6.5
DLFPS-321/3693	8.0	7.3	5.0	7.0	7.0	6.3	7.0	7.0	6.0	7.0	7.0	6.7	5.0	5.0	6.5
STEALTH (PPG-TF 238)	6.3	7.7	6.3	6.7	7.0	6.7	7.0	7.0	6.0	7.7	6.7	6.3	5.0	5.0	6.5
FIRENZA II (PPG-TF 244)	6.7	7.0	5.3	7.0	7.0	6.3	7.7	7.0	6.0	6.7	7.3	7.0	5.0	5.0	6.5
PADRE 2	6.7	7.3	6.3	6.3	7.0	7.0	7.0	7.0	6.0	6.3	6.7	7.3	5.0	5.0	6.5
RHL2	7.7	7.3	5.0	7.0	7.0	6.7	7.0	7.0	5.7	7.3	6.7	6.7	5.0	5.0	6.5
PPG-TF 337	7.0	7.3	5.3	6.7	7.0	6.7	7.3	6.7	6.0	7.3	6.3	7.0	5.0	5.3	6.5
RAPTOR III	7.3	7.0	5.0	6.7	7.0	6.7	7.3	7.0	6.0	7.3	6.3	7.3	5.0	5.0	6.5
TITAN GLX (TF445)	7.0	7.0	5.3	6.7	7.0	6.3	7.3	6.7	6.3	7.0	7.0	7.0	5.0	5.0	6.5
3B2	7.3	7.3	5.7	6.0	7.3	6.3	7.3	7.0	6.0	6.7	6.7	6.7	5.0	5.0	6.5
OKEEFE (LTP-TF-122)	7.3	7.3	5.3	6.3	7.0	6.0	7.0	7.0	5.7	7.3	6.7	7.7	4.7	5.0	6.5
BULLSEYE	7.0	7.3	6.0	7.0	6.7	6.7	6.7	7.0	6.0	6.7	6.0	6.7	5.0	5.3	6.4
DLFPS-321/3695	7.0	7.3	6.3	6.0	6.7	6.0	7.3	6.7	6.0	7.0	6.7	7.0	5.0	5.0	6.4
NAI-ROS4	6.7	7.7	5.0	7.0	7.0	6.7	7.0	7.0	6.0	7.0	6.3	6.7	5.0	5.0	6.4
SE5STAR	6.3	7.3	6.3	6.3	7.0	7.0	7.0	7.0	5.7	6.7	6.7	6.7	5.0	5.0	6.4
SERENADE (PPG-TF 320)	7.0	7.7	5.0	6.3	7.0	6.7	7.3	7.0	6.0	7.0	6.3	6.7	5.0	5.0	6.4
GALACTIC (SESCR1)	6.3	7.3	6.0	6.7	7.0	6.0	7.3	7.0	6.0	7.0	6.0	7.3	5.0	5.0	6.4
PPG-TF 318	7.3	7.0	6.0	6.3	7.0	6.0	7.0	7.0	6.0	7.0	6.3	7.0	5.0	5.0	6.4
BENTLEY (DLFPS-321/3679)	6.7	7.3	5.7	6.7	7.0	6.0	6.7	7.0	6.0	7.0	6.7	7.0	5.0	5.0	6.4
PST-5DZM	6.3	7.3	6.0	7.3	6.7	6.0	7.0	6.7	6.0	7.7	6.0	6.7	5.0	5.0	6.4
TEACHER (PPG-TF 313)	7.3	7.3	5.0	6.3	6.7	6.3	7.0	7.0	6.0	7.3	6.7	7.0	5.0	4.7	6.4
TITAN MAX (TF456)	7.0	7.0	5.7	7.0	7.0	5.7	7.3	7.0	5.7	7.3	6.0	7.0	5.0	5.0	6.4
ATF1768	7.0	7.7	6.3	6.7	7.0	5.7	7.3	6.7	6.0	6.7	6.0	6.7	4.7	5.0	6.4
DAYBREAK (AH2)	8.0	7.0	4.7	6.3	7.0	6.0	6.7	7.0	6.0	7.0	6.7	7.0	5.0	5.0	6.4
FASTLANE (BY-TF-169)	6.7	7.7	4.7	6.3	7.0	6.0	7.0	7.0	6.0	7.7	6.7	6.3	5.0	5.3	6.4
GRANDE 3	7.7	7.3	5.7	6.7	7.0	6.0	7.0	6.3	6.0	6.3	6.0	7.0	5.0	5.3	6.4
RAPTOR LS (PPG-TF 336)	7.0	7.3	5.7	6.3	7.0	6.7	7.3	6.7	5.7	7.3	6.0	6.3	5.0	5.0	6.4
HEMI	6.7	7.3	5.3	7.0	7.0	6.0	7.0	6.7	6.0	7.0	6.0	7.0	5.0	5.0	6.4
FIREHAWK SLT	6.7	7.0	5.3	6.3	7.0	6.7	7.0	6.7	6.0	7.0	6.3	7.0	5.0	5.0	6.4

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/														
	CT1	GA1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	OR1	PA2	TN1	UT1	MEAN
CAPITAN (DLFPS-321/3705)	7.0	7.3	5.3	6.3	7.0	6.3	7.0	7.0	6.0	6.7	6.0	6.7	5.0	5.0	6.3
KIZZLE (K18-ROE)	7.3	7.0	6.3	6.3	7.0	6.0	7.3	5.7	6.0	6.7	6.0	6.7	5.0	5.3	6.3
NT-3	6.3	7.0	5.3	6.3	7.0	6.3	7.3	7.0	6.3	6.7	6.3	6.7	5.0	5.0	6.3
COL-TF-148	6.7	7.7	5.7	6.0	7.0	6.3	7.0	7.0	5.7	7.3	6.3	6.3	5.0	4.7	6.3
DYNAMITE G-LS (PPG-TF 254)	7.0	7.3	5.3	6.7	7.0	6.0	6.7	7.0	6.0	7.3	6.0	6.3	5.0	5.0	6.3
PALOMAR	6.3	7.3	6.7	6.7	6.7	6.3	6.7	7.0	6.0	6.3	6.3	6.7	4.7	4.7	6.3
RS1	6.7	7.3	5.7	6.3	7.0	6.3	6.7	6.3	6.0	7.0	6.0	7.0	5.0	5.0	6.3
DEGAS (LTP-TF-111)	7.0	7.0	5.0	6.0	7.0	6.3	7.0	7.0	5.7	6.7	6.3	7.3	5.0	5.0	6.3
SPYDER 2LS (ZRC1)	6.7	7.3	5.0	6.3	7.0	6.0	6.7	7.0	6.3	7.0	6.0	7.0	5.0	5.0	6.3
BAR-FA8230	6.7	7.3	5.7	6.7	7.0	6.0	6.3	7.0	6.0	7.0	5.7	6.7	5.0	5.0	6.3
PST-5GQ	6.3	7.0	6.7	6.0	7.0	6.3	7.0	7.3	6.0	6.7	5.7	6.0	5.0	5.0	6.3
OG-WALK	6.3	7.3	6.0	6.7	6.7	6.3	7.0	7.0	6.0	6.3	6.3	6.0	5.0	5.0	6.3
DLFPS-321/3706	7.0	7.3	4.7	6.7	7.0	5.7	7.7	6.7	6.0	6.3	6.0	6.7	5.0	5.0	6.3
PST-5TRN	6.0	7.3	6.0	6.3	6.3	6.7	7.0	7.0	6.0	7.3	6.0	5.7	5.0	5.0	6.3
LIFEGUARD	6.3	7.3	5.3	6.0	7.0	5.7	7.3	7.0	6.0	6.7	5.7	7.0	5.0	5.0	6.2
RDC	6.3	7.0	5.7	6.0	7.0	6.0	6.7	7.0	6.0	6.3	6.7	6.7	5.0	5.0	6.2
PPG-TF 312	7.0	7.3	5.0	6.7	7.0	6.3	6.0	7.0	5.7	7.0	6.3	6.3	4.7	5.0	6.2
ZION (BAR TF 134)	7.0	7.0	4.7	5.7	7.3	6.7	7.0	7.0	6.0	6.7	6.0	6.3	5.0	5.0	6.2
PST-5GLBS	6.0	7.0	5.7	6.3	6.7	6.0	7.0	7.0	6.0	6.7	6.0	6.7	5.0	5.0	6.2
ESTRENA	6.7	7.3	5.0	6.0	7.0	6.7	7.3	7.0	5.7	6.3	5.7	6.0	5.0	5.3	6.2
MOONDANCE GLX	6.3	7.0	5.7	5.3	6.7	6.3	7.3	7.0	6.0	6.7	6.0	6.3	5.0	5.0	6.2
PST-5BYOB	6.7	7.0	4.7	5.3	7.0	6.3	7.7	7.0	6.0	6.0	6.3	6.7	5.0	5.0	6.2
ESCALADE	6.3	6.7	6.3	6.3	6.3	7.0	6.7	7.0	6.0	6.0	6.0	6.0	5.0	5.0	6.2
GRAND PRIX (FC15-01P)	6.0	6.3	6.3	6.7	6.7	6.0	7.0	6.7	6.3	5.7	7.0	6.0	4.7	5.3	6.2
PST-5THM	6.3	7.0	5.7	6.3	7.0	6.0	7.0	7.0	6.0	6.3	6.3	6.0	5.0	4.7	6.2
K18-NSE	6.7	7.3	5.7	6.3	7.0	5.7	6.7	6.7	6.0	7.0	5.0	6.7	5.0	4.7	6.2
DRAGSTER	6.7	7.0	4.3	6.0	7.0	6.3	6.7	7.0	6.0	7.0	6.3	6.3	5.0	4.7	6.2
GLX ACED (PST-5DART)	6.0	7.0	5.3	6.0	6.7	6.7	7.0	6.3	6.0	7.0	6.3	6.0	5.0	5.0	6.2
GRO-PRO (SE53D2)	6.0	7.0	5.7	6.0	7.0	6.3	7.3	7.0	5.7	6.3	6.0	6.3	5.0	4.7	6.2
K18-RS6	6.3	7.0	4.7	6.3	7.0	6.0	7.3	7.0	6.0	6.3	5.3	7.0	5.0	5.0	6.2
PRO GOLD	5.7	7.0	5.0	6.7	6.7	6.7	6.3	7.0	6.0	6.3	6.3	6.3	5.0	5.0	6.1
BAR FA 8228	6.0	7.3	7.0	6.7	6.7	6.0	6.0	7.0	5.7	6.0	5.7	5.7	5.0	5.0	6.1
MONUMENT (PST-5SQB)	5.3	7.0	6.0	6.3	7.0	6.3	7.0	7.0	6.0	5.7	6.0	6.0	5.0	5.0	6.1
5LSS	7.0	7.3	5.0	6.0	7.0	5.7	7.7	6.3	6.0	6.7	5.3	6.0	5.0	4.3	6.1
RH3	5.7	7.0	4.7	6.3	7.0	6.0	6.7	7.0	5.7	6.3	6.3	6.7	5.0	4.7	6.1
RHF	7.3	7.0	4.3	6.0	7.0	5.7	6.7	6.7	5.7	6.3	6.0	6.3	5.0	4.7	6.0
PST-5E6	6.3	7.0	5.3	5.3	6.3	5.7	7.0	6.7	5.7	6.0	6.3	6.7	5.0	5.0	6.0
PST-5MCMO	5.7	7.0	4.7	6.0	7.0	6.0	6.3	6.3	5.7	6.3	6.0	6.3	5.0	5.0	6.0
KENTUCKY-31	3.3	5.7	5.0	4.0	4.0	5.0	4.0	5.0	3.0	5.7	3.7	2.7	5.0	3.0	4.2
LSD VALUE	1.4	0.8	1.4	0.8	0.5	1.1	0.8	0.6	0.5	1.0	0.9	1.0	0.2	0.7	0.2
C.V. (%)	12.4	6.7	14.8	7.5	4.7	10.1	7.2	5.3	5.2	9.1	8.8	8.8	2.7	8.0	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 17.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
 2021 DATA

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

NAME	CT1	DE1	IA1	NE1	NJ2	ON1	PA2	TN1	UT1	MEAN
K18-WB1	6.0	8.3	7.0	7.0	6.0	6.7	7.3	8.3	3.7	6.7
AH1	6.3	8.3	7.0	7.0	5.3	7.0	7.0	8.3	3.3	6.6
FIRENZA II (PPG-TF 244)	6.7	8.0	7.0	6.7	4.7	6.7	7.3	9.0	3.7	6.6
DLFPS-321/3695	6.0	8.7	7.3	7.0	4.3	6.3	7.3	8.7	3.7	6.6
PST-5E6	5.7	8.0	7.0	7.0	5.3	7.0	7.3	8.3	3.3	6.6
BAR 9FE MAS	5.3	8.7	7.0	7.3	5.0	7.3	7.0	8.0	3.3	6.6
GRANDE 3	6.0	8.0	7.3	7.0	5.3	6.3	7.3	7.7	3.7	6.5
NATURALLY GREEN	6.7	8.3	8.3	7.0	3.0	6.7	7.0	8.0	3.3	6.5
DLFPS-321/3694	6.3	7.3	7.0	7.3	3.7	7.0	7.0	9.0	3.3	6.4
DLFPS-321/3706	6.3	7.3	7.0	7.0	4.3	6.7	7.0	9.0	3.3	6.4
ESCALADE	6.3	8.0	7.0	7.0	4.0	7.0	7.0	8.0	3.3	6.4
PPG-TF 262	6.0	8.0	8.0	7.3	3.3	6.0	7.0	8.0	4.0	6.4
KIZZLE (K18-ROE)	6.3	8.7	7.0	6.7	4.0	6.0	7.3	8.3	3.0	6.4
DLFPS-321/3707	5.7	7.7	7.7	7.0	4.0	6.3	7.3	8.0	3.7	6.4
TEACHER (PPG-TF 313)	6.0	8.0	6.7	7.0	3.3	6.3	7.3	8.7	4.0	6.4
DEGAS (LTP-TF-111)	6.0	7.7	7.0	6.7	3.7	6.3	7.3	8.3	4.0	6.3
GALACTIC (SESCR1)	6.0	7.7	7.3	7.0	4.0	6.3	7.3	8.3	3.0	6.3
GO-RH20	6.3	7.7	7.0	7.0	4.3	6.3	7.0	8.0	3.3	6.3
DAYBREAK (AH2)	6.3	7.3	7.0	7.0	4.3	5.7	7.0	9.0	3.3	6.3
DLFPS-321/3693	6.3	7.3	7.0	7.0	4.0	6.7	7.0	8.3	3.3	6.3
ESTRENA	6.0	8.7	7.0	6.7	3.7	6.0	7.0	8.3	3.7	6.3
FAYETTE	5.3	7.7	7.3	7.0	4.3	6.0	7.3	8.3	3.7	6.3
PPG-TF 312	6.0	7.0	6.3	7.0	4.7	6.7	7.3	8.3	3.7	6.3
LIFEGUARD	5.3	7.0	6.7	6.7	4.7	6.7	7.3	8.3	4.0	6.3
CAPITAN (DLFPS-321/3705)	6.0	7.7	7.0	7.3	4.0	6.7	7.0	8.0	3.0	6.3
NAI-ROS4	6.3	7.3	7.0	7.0	4.7	6.0	7.0	8.3	3.0	6.3
RAPTOR LS (PPG-TF 336)	6.0	7.7	7.3	7.0	3.0	6.3	7.3	8.3	3.3	6.3
AVENGER III (PPG-TF 308)	6.0	7.3	7.3	7.0	3.7	6.3	7.0	8.3	3.3	6.3
BANDIT	4.7	8.3	8.0	7.0	2.3	6.7	7.3	8.3	3.7	6.3
RS1	5.3	7.7	6.7	7.0	3.3	7.0	7.0	8.7	3.7	6.3
PADRE 2	6.0	7.7	7.0	6.7	4.0	6.3	7.0	8.3	3.0	6.2
RH1	5.3	7.7	7.0	7.0	4.0	6.3	7.3	8.3	3.0	6.2
ZION (BAR TF 134)	5.7	8.0	7.0	6.7	3.3	6.3	7.3	8.3	3.3	6.2
COL-TF-148	5.7	7.7	6.7	7.0	3.7	6.7	7.0	8.0	3.7	6.2
LBF	5.7	7.7	7.7	7.0	3.0	6.0	7.0	8.7	3.3	6.2
PALOMAR	5.7	8.0	8.0	7.0	2.7	5.7	7.0	8.7	3.3	6.2
RH3	5.7	7.0	6.7	6.7	3.7	6.0	7.7	8.7	4.0	6.2
BULLSEYE	5.3	7.3	7.7	7.0	3.3	6.3	7.3	8.0	3.3	6.2
NAI-FQZ-17	6.0	7.7	8.0	7.3	3.0	5.0	7.3	8.0	3.3	6.2
PPG-TF 231	6.0	7.0	7.7	7.0	3.0	7.0	7.0	7.3	3.7	6.2
RDC	6.0	8.0	6.7	7.0	3.7	5.7	7.0	8.3	3.3	6.2
BENTLEY (DLFPS-321/3679)	6.0	7.3	8.0	7.0	2.3	5.7	7.3	8.7	3.3	6.2
K18-NSE	5.7	8.0	7.0	6.7	3.7	6.0	7.0	8.0	3.7	6.2
PARAMOUNT	6.0	6.3	7.3	7.0	3.7	6.3	7.0	8.0	4.0	6.2
PPG-TF 316	5.3	7.3	7.3	7.3	3.3	6.0	7.0	8.3	3.7	6.2
PPG-TF 337	5.7	8.0	7.3	7.0	2.7	6.3	7.0	8.0	3.7	6.2

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	CT1	DE1	IA1	NE1	NJ2	ON1	PA2	TN1	UT1	MEAN
PST-5MCMO	5.7	7.7	7.3	6.7	3.3	6.3	7.7	8.0	3.0	6.2
PST-5THM	5.3	8.0	7.0	7.0	3.3	6.0	7.0	8.3	3.7	6.2
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	7.7	7.7	6.3	3.0	6.3	7.3	8.3	3.3	6.1
HOUNDOG NINE (DLFPS-321/3702)	5.7	7.7	7.3	7.0	2.7	6.3	7.0	8.0	3.7	6.1
MONUMENT (PST-5SQB)	5.0	8.0	7.3	7.0	3.3	6.3	7.3	8.0	3.0	6.1
TALLADEGA II (NAI-3N2)	5.7	8.0	7.3	7.0	3.3	6.3	7.0	7.7	3.0	6.1
BRAVO 2	6.0	8.0	7.0	7.0	2.7	5.7	7.3	8.3	3.0	6.1
TD2	6.0	8.3	7.0	6.7	3.0	5.7	7.0	8.3	3.0	6.1
TITANIUM G-LS (PPG-TF 255)	6.0	7.7	8.0	7.0	1.3	5.3	7.3	8.3	4.0	6.1
3B2	5.3	7.7	7.0	6.7	4.3	5.3	7.0	8.0	3.7	6.1
DYNAMITE G-LS (PPG-TF 254)	5.3	7.7	7.7	7.0	2.3	6.0	7.3	8.0	3.7	6.1
GRAND PRIX (FC15-01P)	5.7	8.0	7.3	7.0	3.7	5.3	7.0	7.7	3.3	6.1
HEMI	4.7	8.3	7.3	7.0	2.7	6.7	7.0	8.3	3.0	6.1
OKEEFE (LTP-TF-122)	6.0	7.3	7.3	7.0	3.3	5.7	7.0	7.7	3.7	6.1
PST-5BYOB	5.7	7.7	7.3	6.7	2.7	6.0	7.7	8.0	3.3	6.1
ENDGAME (3N1)	4.7	6.7	8.0	7.0	3.7	6.3	7.3	8.0	3.0	6.1
GALLARDO (DLFPS-TF/3550)	5.7	7.3	7.3	6.7	2.7	5.3	7.3	9.0	3.3	6.1
PPG-TF 267	5.7	6.7	8.0	7.0	3.0	6.0	7.0	8.3	3.0	6.1
SETFM3	5.3	6.7	8.0	6.3	3.7	6.0	7.0	8.3	3.3	6.1
TITAN MAX (TF456)	5.7	7.0	7.0	7.0	3.0	6.7	6.7	8.7	3.0	6.1
BAR-FA8230	5.3	7.0	7.3	7.0	2.7	6.7	7.0	8.0	3.3	6.0
DLFPS-321/3703	5.3	7.7	7.7	6.7	2.7	5.3	7.0	8.3	3.7	6.0
DRAGSTER	5.7	7.0	7.0	7.0	3.3	6.3	7.0	7.7	3.3	6.0
PPG-TF 257	5.7	7.7	7.3	7.0	2.0	5.7	7.3	8.0	3.7	6.0
SPYDER 2LS (ZRC1)	6.0	7.3	6.7	7.0	3.0	6.0	7.3	8.0	3.0	6.0
TITAN GLX (TF445)	6.3	7.7	7.0	7.0	2.0	6.0	7.0	8.0	3.3	6.0
AST8118LM	5.3	7.3	8.0	6.7	2.3	5.0	7.3	8.7	3.7	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.0	7.3	7.0	7.0	3.0	5.3	7.0	8.0	3.7	6.0
FIREHAWK SLT	5.3	7.0	7.3	7.0	3.0	5.3	7.0	8.7	3.7	6.0
JT 517	6.0	7.3	8.0	6.7	3.3	5.3	6.7	8.0	3.0	6.0
ROWDIER (DLFPS-321/3699)	5.0	7.3	8.0	6.7	2.3	5.3	7.3	8.7	3.7	6.0
PRO GOLD	5.3	6.7	6.7	6.7	4.7	5.7	7.3	8.0	3.0	6.0
ROVER (PPG-TF 306)	5.3	7.3	7.3	7.0	2.0	6.0	7.3	8.3	3.3	6.0
AST8218LM	5.3	7.0	8.0	6.7	3.3	5.3	7.0	8.3	3.0	6.0
ATF2116	5.3	8.0	8.0	7.0	2.3	5.0	7.0	8.0	3.3	6.0
BONFIRE (JS DTT)	5.7	7.0	7.7	7.3	1.7	5.7	7.0	8.0	4.0	6.0
DLFPS-TF/3553	5.0	8.0	7.3	7.0	2.0	5.7	7.3	8.7	3.0	6.0
PPG-TF 249	5.3	7.3	7.7	7.0	2.3	5.7	7.0	8.3	3.3	6.0
XANADU (JT 268)	5.7	7.0	8.0	7.0	2.7	4.7	7.0	8.3	3.7	6.0
BGR-TF3	6.0	7.0	7.7	6.7	2.7	5.7	7.3	8.0	2.7	6.0
COPIOUS TF	4.0	7.3	8.0	7.0	2.7	6.3	7.3	8.3	2.7	6.0
FAIRFIELD (SETF104)	5.7	7.3	7.3	6.7	2.7	5.7	7.0	8.3	3.0	6.0
GLX ACED (PST-5DART)	5.0	7.7	7.0	6.7	3.0	5.7	7.3	8.0	3.3	6.0
PPG-TF 318	5.0	7.0	7.7	7.0	2.3	6.0	7.3	8.3	3.0	6.0
BAR FA 8228	4.7	8.0	7.7	6.7	3.3	5.7	7.0	8.0	2.7	6.0
BIRMINGHAM	5.0	7.0	7.7	6.7	3.3	5.7	6.7	8.0	3.7	6.0
FASTLANE (BY-TF-169)	4.7	7.3	6.7	6.3	3.0	6.3	7.0	8.7	3.7	6.0

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	CT1	DE1	IA1	NE1	NJ2	ON1	PA2	TN1	UT1	MEAN
K18-RS6	6.0	7.0	6.3	6.7	3.3	6.0	7.0	8.0	3.3	6.0
NAI-ST5	5.0	7.0	7.3	6.7	3.0	5.3	7.0	8.7	3.7	6.0
PST-5GQ	5.0	7.0	7.3	7.0	2.3	6.3	7.0	8.7	3.0	6.0
JT 233	5.3	7.3	7.3	7.0	2.7	5.0	7.0	8.3	3.3	5.9
OG-WALK	5.7	6.7	8.0	7.0	2.7	5.7	6.7	8.0	3.0	5.9
RACEWAY (DLFPS-321/3696)	4.7	7.7	8.0	7.0	2.0	6.0	7.0	8.0	3.0	5.9
RHF	5.3	7.3	6.3	6.7	2.7	6.0	7.0	8.7	3.3	5.9
RHL2	5.3	6.7	7.0	7.0	3.3	5.7	7.0	8.3	3.0	5.9
SE5STAR	4.7	7.3	7.7	6.7	2.7	5.7	7.3	8.7	2.7	5.9
NT-3	5.7	7.0	7.0	7.0	1.3	6.3	6.7	8.7	3.7	5.9
RAPTOR III	5.3	7.0	7.0	7.0	2.3	5.7	7.3	8.7	3.0	5.9
KENTUCKY-31	5.3	7.7	5.7	6.0	4.3	7.3	4.0	8.3	4.3	5.9
PST-5MINK	5.0	7.0	8.0	6.3	2.7	5.3	7.3	8.7	2.7	5.9
RAD-TF105	4.0	7.3	8.3	6.7	2.3	5.7	7.3	8.3	3.0	5.9
SYMPHONY (PPG-TF 305)	4.3	7.0	7.0	7.3	2.3	5.7	7.0	9.0	3.3	5.9
PST-5GLBS	4.3	7.0	7.0	7.0	2.7	5.7	7.7	8.0	3.7	5.9
A-TF31	5.0	7.0	8.0	6.3	1.7	6.0	7.3	8.3	3.0	5.9
ATF1768	5.7	7.7	7.7	6.7	1.7	5.3	7.0	8.0	3.0	5.9
SETFM2	5.0	6.0	8.0	6.7	3.0	5.7	7.0	8.3	3.0	5.9
TOUGH (NAI-TUE)	4.7	7.7	7.3	7.0	2.0	5.3	7.3	8.0	3.3	5.9
PST-5DC24	5.0	7.3	8.3	7.0	1.7	5.3	7.3	7.7	3.0	5.9
SERENADE (PPG-TF 320)	5.3	7.7	7.0	7.0	1.7	5.3	7.0	8.0	3.7	5.9
TANK (PPG-TF 338)	5.3	7.0	7.3	6.3	2.0	5.3	7.0	8.3	4.0	5.9
TRIAD (PPG-TF 323)	5.0	7.0	7.3	6.7	1.3	6.0	7.3	8.7	3.3	5.9
FIRECRACKER G-LS (PPG-TF 315)	5.7	7.0	7.3	7.0	2.0	5.0	6.7	8.3	3.3	5.8
5LSS	5.3	7.7	6.3	6.3	2.3	5.3	7.0	8.7	3.3	5.8
DLFPS-321/3708	5.7	7.0	7.7	7.3	1.7	4.3	7.0	8.0	3.3	5.8
SR 8700 (TMT1)	4.3	7.0	7.7	7.0	1.7	5.7	7.0	8.3	3.3	5.8
MOONDANCE GLX	5.0	7.0	7.0	6.7	3.0	5.7	6.7	8.0	3.0	5.8
STEALTH (PPG-TF 238)	5.3	6.3	7.0	7.0	2.0	6.3	7.0	8.0	3.0	5.8
GRO-PRO (SE53D2)	5.0	6.7	7.3	6.7	2.3	5.3	7.0	8.3	3.0	5.7
BULLSEYE LTZ	5.0	6.3	7.3	7.0	1.3	5.3	7.3	8.7	3.3	5.7
PST-5TRN	5.0	6.7	7.3	6.7	2.3	5.7	7.3	8.0	2.7	5.7
RAD-TF115 (TURBO SS)	3.7	7.3	8.3	7.0	1.3	5.7	7.3	8.0	2.7	5.7
RAD-TF131	4.7	6.3	8.3	7.0	1.0	5.7	7.3	8.0	3.0	5.7
PST-5DZM	4.3	6.7	7.7	6.7	1.7	5.0	7.3	8.3	3.3	5.7
TANGO	4.3	7.0	7.3	7.0	1.0	5.7	7.3	8.0	3.3	5.7
RC4	4.7	6.3	7.0	7.0	2.0	4.7	7.0	8.3	3.0	5.6
GO-AOMK	4.3	7.0	8.3	6.3	1.0	4.3	6.7	8.0	3.0	5.4
LSD VALUE	1.3	1.3	0.7	0.6	1.4	1.2	0.7	0.8	0.8	0.3
C.V. (%)	14.3	10.5	6.3	5.8	29.2	12.8	6.4	5.8	15.1	10.4

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

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

TABLE 18.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/											
	CT1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	PA2	TN1	UT1	MEAN
FIRECRACKER G-LS (PPG-TF 315)	7.0	9.0	6.3	6.7	7.3	4.7	7.0	7.0	5.7	7.3	5.0	6.6
PPG-TF 312	7.0	9.0	7.0	6.0	6.3	5.3	7.0	7.3	5.0	6.7	5.7	6.6
TITANIUM G-LS (PPG-TF 255)	6.3	9.0	5.7	7.0	7.7	5.0	6.3	7.0	6.0	7.0	5.0	6.5
TRIAD (PPG-TF 323)	6.0	9.0	6.0	6.3	7.3	5.0	6.7	8.0	6.0	6.7	5.0	6.5
TEACHER (PPG-TF 313)	6.0	9.0	6.7	6.3	7.0	5.7	6.7	7.7	5.3	6.3	5.3	6.5
COL-TF-148	5.7	9.0	6.0	6.7	6.7	5.7	6.3	7.3	6.3	7.3	4.7	6.5
DAYBREAK (AH2)	7.0	9.0	6.0	6.3	7.3	5.0	6.0	7.3	5.7	7.0	5.0	6.5
5LSS	5.0	9.0	7.3	6.3	7.3	4.7	6.0	7.3	5.0	6.7	6.7	6.5
DLFPS-321/3693	6.7	9.0	6.0	6.7	7.0	5.0	6.7	7.0	5.3	6.7	5.3	6.5
BLADERUNNER 3 (DLFPS-321/3701)	6.0	8.7	6.7	6.7	6.7	5.3	6.3	7.0	6.0	7.0	4.7	6.5
AH1	6.0	9.0	6.3	6.7	8.0	5.0	6.3	6.7	6.0	6.3	4.7	6.5
SPYDER 2LS (ZRCL)	5.3	9.0	6.7	6.7	7.0	4.7	6.3	7.7	6.3	6.3	5.0	6.5
TANK (PPG-TF 338)	6.0	9.0	6.3	6.7	7.7	5.0	6.3	7.0	5.7	6.7	4.7	6.5
DLFPS-321/3708	5.7	9.0	5.7	7.0	7.7	4.7	6.7	8.0	5.3	6.3	4.7	6.4
DLFPS-TF/3553	6.0	8.7	6.3	7.0	7.0	5.3	6.3	6.7	6.3	6.0	5.0	6.4
SR 8700 (TMT1)	6.0	9.0	6.0	6.7	6.7	5.0	6.0	6.3	6.3	8.0	4.7	6.4
TD2	5.7	9.0	6.0	7.0	7.0	5.0	6.7	7.0	5.3	7.0	5.0	6.4
ZION (BAR TF 134)	5.3	9.0	5.7	7.0	7.0	5.0	6.7	7.0	6.3	6.7	5.0	6.4
DLFPS-321/3695	6.0	9.0	5.3	6.3	6.7	5.0	6.3	7.7	6.3	6.7	5.3	6.4
PPG-TF 267	6.3	9.0	5.7	6.7	7.0	4.7	6.7	7.7	5.7	7.0	4.3	6.4
STEALTH (PPG-TF 238)	6.3	9.0	6.0	7.0	7.0	5.0	6.7	6.7	5.7	6.3	5.0	6.4
DEGAS (LTP-TF-111)	6.0	9.0	6.3	6.7	6.7	5.0	6.0	7.0	6.3	6.7	4.7	6.4
GALACTIC (SESCR1)	5.7	9.0	6.0	6.7	7.3	5.0	6.3	7.3	6.0	6.7	4.3	6.4
RACEWAY (DLFPS-321/3696)	6.3	9.0	5.7	6.7	7.0	5.0	6.0	7.3	6.3	6.0	5.0	6.4
K18-NSE	5.7	9.0	6.3	6.3	6.3	5.3	6.7	7.3	5.7	6.0	5.7	6.4
K18-WB1	5.7	9.0	6.0	6.3	7.0	5.0	6.7	7.3	5.7	6.7	5.0	6.4
RHL2	6.0	9.0	6.0	7.0	7.3	5.0	6.3	7.0	5.0	6.3	5.3	6.4
DLFPS-321/3706	6.0	9.0	6.0	6.7	7.3	5.0	6.3	7.3	5.7	5.3	5.3	6.4
HOUNDG NINE (DLFPS-321/3702)	5.3	9.0	6.3	6.7	6.7	5.3	6.7	7.0	5.7	6.7	4.7	6.4
PPG-TF 231	6.3	9.0	6.3	6.3	6.7	4.7	6.3	7.7	5.3	6.3	5.0	6.4
RHF	6.3	8.0	6.3	6.7	7.3	4.7	6.7	7.0	5.0	7.0	5.0	6.4
TITAN GLX (TF445)	6.0	9.0	6.0	7.0	7.0	4.7	6.7	6.3	6.0	6.7	4.7	6.4
GO-RH20	6.0	9.0	6.0	6.7	6.3	5.0	5.7	7.3	6.7	7.0	4.3	6.4
NT-3	6.0	9.0	5.3	6.3	6.7	5.0	6.0	7.7	6.3	6.3	5.3	6.4
DRAGSTER	5.7	9.0	5.7	6.0	6.7	5.0	6.3	7.0	6.7	7.0	4.7	6.3
DYNAMITE G-LS (PPG-TF 254)	5.7	9.0	5.3	6.7	7.0	5.3	6.3	7.0	6.3	5.7	5.3	6.3
FIRENZA II (PPG-TF 244)	5.3	9.0	6.3	7.0	7.0	5.0	6.0	7.0	5.3	6.7	5.0	6.3
PARAMOUNT	5.7	9.0	5.7	6.3	7.3	4.7	6.0	7.0	7.3	6.0	4.7	6.3
PPG-TF 337	6.0	9.0	6.0	6.7	6.7	5.0	6.3	7.3	5.0	6.7	5.0	6.3
RAPTOR LS (PPG-TF 336)	6.7	9.0	6.3	6.3	6.3	5.3	6.3	6.7	5.7	6.3	4.7	6.3
RH1	5.7	9.0	5.7	6.3	7.0	5.0	6.0	7.7	6.0	6.7	4.7	6.3
ESTRENA	5.3	9.0	6.7	6.0	6.7	5.0	6.0	7.0	7.3	5.3	5.3	6.3
BONFIRE (JS DTT)	5.3	9.0	6.0	6.7	6.7	5.3	6.0	6.7	6.3	6.7	4.7	6.3
FASTLANE (BY-TF-169)	5.0	9.0	6.0	6.7	6.7	5.3	6.3	7.3	6.0	6.3	4.7	6.3
ENDGAME (3N1)	6.0	9.0	6.0	6.0	7.0	4.7	6.0	7.3	6.7	6.7	4.0	6.3
K18-RS6	5.7	8.3	6.3	7.0	7.3	4.7	6.3	6.7	6.0	6.0	5.0	6.3

TABLE 18.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	CT1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	PA2	TN1	UT1	MEAN
PPG-TF 316	4.7	9.0	6.0	7.0	7.3	5.0	6.0	7.3	5.7	7.0	4.3	6.3
PST-5GQ	5.3	9.0	5.7	6.7	7.0	5.0	6.0	7.0	6.3	7.0	4.3	6.3
XANADU (JT 268)	5.7	9.0	6.0	6.7	7.0	5.0	6.0	7.3	5.7	6.7	4.3	6.3
PPG-TF 262	6.0	9.0	5.3	6.7	7.0	4.7	6.3	7.0	5.3	7.0	4.7	6.3
BULLSEYE LTZ	5.7	9.0	6.0	6.3	7.7	5.0	6.0	6.7	5.7	6.0	5.0	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	9.0	6.0	7.0	7.3	5.0	6.3	7.0	5.0	6.3	4.7	6.3
PPG-TF 257	6.3	9.0	5.3	6.3	6.3	4.7	6.3	7.3	5.7	6.3	5.3	6.3
ROVER (PPG-TF 306)	5.7	9.0	6.0	6.3	6.7	5.7	6.0	7.0	5.7	6.0	5.0	6.3
ROWDIER (DLFPS-321/3699)	5.7	9.0	6.3	6.3	7.7	4.7	6.7	6.3	5.0	6.7	4.7	6.3
TOUGH (NAI-TUE)	5.3	9.0	6.0	7.0	7.0	5.0	6.0	7.0	6.3	6.0	4.3	6.3
PPG-TF 249	5.7	9.0	6.0	6.0	7.0	5.3	6.0	6.3	6.0	6.3	5.0	6.2
PST-5TRN	5.7	9.0	5.0	6.7	7.0	5.0	6.0	6.3	6.3	6.7	5.0	6.2
RAPTOR III	5.7	9.0	6.0	6.7	7.0	5.0	6.0	7.0	6.0	6.0	4.3	6.2
RDC	5.3	9.0	5.7	6.7	6.7	5.3	6.3	6.7	6.3	6.3	4.3	6.2
RS1	5.7	9.0	5.7	6.7	6.7	4.7	6.0	7.3	5.7	6.3	5.0	6.2
SERENADE (PPG-TF 320)	5.7	9.0	5.0	6.3	7.0	4.7	6.3	6.7	6.3	7.0	4.7	6.2
AVENGER III (PPG-TF 308)	6.0	9.0	6.3	6.7	6.7	4.3	6.0	6.7	6.0	6.0	5.0	6.2
GO-AOMK	4.7	9.0	6.3	6.0	7.0	4.7	6.3	6.7	6.3	6.7	5.0	6.2
PST-5THM	5.3	9.0	5.0	7.0	7.0	5.0	6.0	6.3	7.0	6.7	4.3	6.2
SYMPHONY (PPG-TF 305)	5.3	9.0	6.0	6.3	7.0	5.3	6.7	7.3	4.7	6.0	5.0	6.2
A-TF31	6.0	9.0	5.7	5.3	7.7	5.0	6.0	7.0	5.3	6.3	5.0	6.2
DLFPS-321/3707	5.7	9.0	5.7	6.7	7.0	5.0	6.0	6.7	5.3	6.3	5.0	6.2
JT 233	5.3	9.0	5.0	6.3	7.0	4.7	6.3	7.0	6.3	6.3	5.0	6.2
RC4	5.7	9.0	5.7	6.0	7.0	5.0	6.3	6.7	5.3	6.7	5.0	6.2
DLFPS-321/3694	6.0	9.0	5.7	6.0	6.7	4.7	6.0	7.0	6.0	6.7	4.7	6.2
NAI-ROS4	5.7	8.7	6.0	6.3	7.0	4.7	6.3	6.7	6.3	6.0	4.7	6.2
SETFM3	6.0	9.0	5.3	6.0	7.3	5.0	6.0	6.7	6.7	6.0	4.3	6.2
DLFPS-321/3703	5.0	9.0	6.0	6.3	6.7	5.0	6.0	7.0	5.7	6.3	5.0	6.2
FAIRFIELD (SETF104)	6.0	9.0	5.3	7.0	6.7	5.0	6.0	6.7	5.7	6.3	4.3	6.2
RAD-TF105	5.3	9.0	6.0	6.3	6.7	4.0	6.0	7.3	6.0	6.7	4.7	6.2
CAPITAN (DLFPS-321/3705)	5.0	9.0	6.0	6.7	7.0	5.0	6.0	6.7	6.3	5.7	4.3	6.2
FIREHAWK SLT	5.0	9.0	6.0	6.0	6.3	4.7	6.0	7.0	6.3	6.3	5.0	6.2
RAD-TF115 (TURBO SS)	5.3	9.0	5.3	7.0	6.3	4.3	5.3	7.3	5.7	6.7	5.3	6.2
RAD-TF131	5.3	9.0	5.7	6.7	6.0	5.0	5.3	8.0	5.3	6.0	5.3	6.2
SETFM2	5.3	9.0	5.7	7.0	6.7	4.7	6.0	6.3	6.3	6.3	4.3	6.2
NAI-ST5	5.3	9.0	5.7	6.3	7.0	5.0	6.0	7.0	5.7	5.7	5.0	6.2
PST-5MCMO	5.3	9.0	5.7	6.3	7.0	4.7	6.3	6.7	6.0	6.3	4.3	6.2
GALLARDO (DLFPS-TF/3550)	5.7	8.3	5.7	6.7	7.3	5.0	6.0	6.7	5.3	6.3	4.3	6.1
TALLADEGA II (NAI-3N2)	5.0	9.0	5.7	5.7	6.7	4.3	6.0	7.0	6.7	6.3	5.0	6.1
TITAN MAX (TF456)	5.7	9.0	6.3	6.7	7.0	4.3	6.0	6.3	5.7	5.3	5.0	6.1
BANDIT	5.7	9.0	4.7	5.7	6.3	5.0	5.7	7.3	6.7	6.7	4.7	6.1
BENTLEY (DLFPS-321/3679)	6.0	9.0	5.3	6.7	6.0	4.7	6.0	6.7	5.7	6.7	4.7	6.1
OKEEFE (LTP-TF-122)	5.3	8.3	5.3	6.3	6.7	5.0	6.0	6.7	6.0	7.0	4.7	6.1
PST-5GLBS	6.0	8.7	5.3	6.3	7.0	4.7	5.3	7.0	6.7	5.3	5.0	6.1
RH3	5.7	9.0	5.7	5.7	7.0	4.3	6.3	6.7	6.0	6.7	4.3	6.1
PPG-TF 318	5.7	9.0	5.7	6.0	6.7	5.0	6.3	6.7	5.7	6.0	4.3	6.1
GRANDE 3	5.0	9.0	5.7	6.0	6.7	5.0	6.0	7.0	5.7	6.0	4.7	6.1

TABLE 18.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/											
	CT1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	PA2	TN1	UT1	MEAN
BULLSEYE	5.0	9.0	5.0	6.7	6.3	5.0	6.0	6.7	6.7	5.7	4.7	6.1
KIZZLE (K18-ROE)	5.7	8.7	5.0	6.3	6.0	5.0	6.0	6.7	6.3	6.7	4.3	6.1
LBF	5.3	9.0	4.3	6.3	6.7	5.0	5.7	6.7	6.3	6.7	4.7	6.1
MOONDANCE GLX	4.3	9.0	5.7	6.0	6.3	5.3	6.0	6.0	7.3	6.7	4.0	6.1
GLX ACED (PST-5DART)	5.3	9.0	5.3	6.0	7.0	5.0	6.0	6.3	6.0	6.3	4.0	6.0
AST8118LM	5.0	9.0	5.0	5.7	6.3	4.3	5.7	8.0	6.0	6.7	4.7	6.0
ATF1768	5.3	9.0	5.0	6.0	6.3	4.7	5.7	6.7	6.7	6.3	4.7	6.0
ATF2116	4.7	9.0	5.3	6.3	6.3	4.7	6.0	6.3	7.3	6.0	4.3	6.0
JT 517	5.0	8.7	5.3	6.0	7.0	4.3	6.0	6.7	6.3	6.7	4.3	6.0
3B2	5.3	8.7	5.3	6.0	6.7	5.0	6.0	6.7	6.0	6.0	4.3	6.0
BAR 9FE MAS	5.0	9.0	6.0	5.7	6.3	5.3	5.7	6.3	6.0	6.7	4.0	6.0
BIRMINGHAM	5.3	9.0	5.3	6.0	6.3	4.3	5.3	6.3	7.3	6.0	4.7	6.0
PRO GOLD	4.7	9.0	5.7	6.0	6.3	4.7	6.0	6.7	7.0	5.7	4.3	6.0
PST-5DZM	4.3	9.0	6.0	6.0	6.7	5.0	5.7	6.7	5.7	6.3	4.7	6.0
SE5STAR	5.0	9.0	4.7	6.0	6.7	5.0	5.7	6.7	7.3	5.7	4.3	6.0
PST-5MINK	5.0	9.0	5.3	6.0	6.3	4.7	5.0	7.0	6.7	6.7	4.3	6.0
FAYETTE	5.0	9.0	5.7	6.0	6.7	5.0	6.0	6.3	6.3	5.0	4.7	6.0
LIFEGUARD	4.7	9.0	5.3	5.7	6.3	4.7	6.0	6.3	6.0	7.0	4.7	6.0
PADRE 2	5.0	9.0	5.7	6.7	6.7	4.0	6.0	6.3	6.7	5.3	4.3	6.0
NAI-FQZ-17	5.0	9.0	5.0	6.0	6.3	4.7	5.7	7.0	6.7	6.3	4.0	6.0
TANGO	5.0	9.0	5.0	6.3	6.0	4.7	5.7	7.0	6.7	6.3	4.0	6.0
AST8218LM	4.7	8.7	5.0	6.7	6.0	4.7	5.3	6.7	7.3	6.0	4.0	5.9
BGR-TF3	5.7	9.0	5.3	5.7	6.3	4.3	5.7	6.7	6.0	6.3	4.0	5.9
COPIOUS TF	4.7	9.0	5.0	6.3	6.0	4.3	6.0	6.7	5.7	6.3	5.0	5.9
HEMI	4.7	9.0	5.7	6.7	6.0	4.7	6.0	6.3	6.0	5.7	4.3	5.9
NATURALLY GREEN	4.3	9.0	4.7	6.7	6.0	4.3	5.7	6.3	7.3	6.0	4.0	5.8
PST-5E6	4.7	9.0	5.3	6.0	7.0	4.3	5.7	6.0	5.7	6.7	4.0	5.8
BRAVO 2	5.0	9.0	4.7	5.7	6.3	4.7	6.0	6.0	7.0	5.7	4.0	5.8
MONUMENT (PST-5SQB)	4.3	9.0	4.7	6.0	6.7	4.7	5.7	6.3	6.3	6.0	4.3	5.8
PST-5DC24	5.0	9.0	5.0	6.0	6.3	5.0	5.3	5.7	6.0	6.3	4.3	5.8
GRAND PRIX (FC15-01P)	4.3	9.0	5.0	6.0	6.3	4.3	5.0	6.3	7.3	6.0	4.0	5.8
BAR-FA8230	4.3	9.0	4.7	6.3	6.0	4.7	5.0	6.0	6.3	6.7	4.3	5.8
PST-5BYOB	4.7	9.0	4.7	6.0	6.3	4.0	5.3	6.3	6.7	5.7	4.0	5.7
GRO-PRO (SE53D2)	5.0	9.0	5.0	6.0	7.0	4.0	6.0	5.7	6.3	4.7	4.0	5.7
ESCALADE	4.7	8.0	4.3	5.7	5.3	4.3	5.3	6.3	7.3	7.0	4.0	5.7
OG-WALK	4.0	9.0	4.7	5.7	5.3	5.3	5.0	5.7	8.0	5.3	3.7	5.6
PALOMAR	3.7	9.0	4.0	5.3	5.3	5.0	5.0	6.0	7.7	5.3	4.0	5.5
BAR FA 8228	4.0	8.7	4.0	5.7	5.7	4.3	5.3	5.7	6.7	6.0	4.0	5.5
KENTUCKY-31	3.0	9.0	2.0	5.0	3.7	3.3	4.0	4.0	9.0	5.7	3.0	4.7
LSD VALUE	1.3	0.5	1.0	0.9	0.8	0.8	0.7	1.0	1.1	1.5	0.8	0.3
C.V. (%)	14.6	3.5	11.1	9.2	7.7	10.0	7.0	8.9	11.6	14.9	10.3	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 19.

 SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
 2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	IA1	MS1	NC1	NE1	OK1	ON1	TN1	
TITAN MAX (TF456)	7.7	6.7	7.7	7.0	6.7	7.3	7.7	7.2
FAIRFIELD (SETF104)	8.3	6.7	7.3	7.0	6.7	7.3	7.0	7.2
PPG-TF 316	6.7	7.0	8.0	7.0	7.0	7.7	7.0	7.2
RH1	7.7	7.0	8.0	7.0	6.3	7.3	7.0	7.2
RAPTOR III	7.3	6.3	7.7	7.0	6.7	7.3	7.3	7.1
RC4	7.7	7.0	8.0	7.0	6.7	7.3	6.0	7.1
FIRECRACKER G-LS (PPG-TF 315)	7.7	7.0	7.3	7.0	7.0	7.0	6.7	7.1
TITANIUM G-LS (PPG-TF 255)	7.3	6.7	8.0	7.0	6.7	7.0	6.7	7.0
GALACTIC (SESCR1)	7.3	6.7	7.7	7.0	7.0	6.3	7.0	7.0
5LSS	7.0	6.7	7.7	7.0	6.7	7.7	6.3	7.0
DLFPS-321/3706	7.7	7.0	8.0	7.0	6.3	6.3	6.7	7.0
K18-WB1	7.7	6.7	7.3	7.0	6.3	8.0	6.0	7.0
NAI-ST5	7.3	6.7	7.7	7.0	6.7	6.7	7.0	7.0
RACEWAY (DLFPS-321/3696)	7.3	6.7	7.0	7.0	6.3	7.7	7.0	7.0
DLFPS-321/3708	7.3	6.7	7.3	7.0	7.0	6.7	7.0	7.0
PPG-TF 318	7.3	6.7	7.3	7.0	6.3	7.7	6.7	7.0
BONFIRE (JS DTT)	7.0	7.0	7.7	7.0	7.0	7.3	5.7	7.0
DYNAMITE G-LS (PPG-TF 254)	7.3	6.7	7.7	7.0	6.7	7.0	6.3	7.0
BGR-TF3	7.7	6.3	7.0	7.0	6.3	6.7	7.7	7.0
DLFPS-321/3695	7.0	6.7	7.3	7.0	6.7	7.3	6.7	7.0
JT 233	6.0	6.3	8.0	7.0	6.7	7.0	7.7	7.0
PPG-TF 257	7.0	6.3	7.0	7.0	7.0	7.3	7.0	7.0
ROWDIER (DLFPS-321/3699)	6.7	6.7	7.7	7.0	6.7	7.3	6.7	7.0
SR 8700 (TMT1)	7.0	7.0	7.7	7.0	6.7	6.7	6.7	7.0
DLFPS-321/3694	6.7	6.7	7.0	7.0	6.3	7.7	7.0	6.9
RH3	6.7	7.0	7.0	7.0	6.7	6.7	7.3	6.9
ROVER (PPG-TF 306)	7.0	6.3	7.7	7.0	6.3	7.3	6.7	6.9
SERENADE (PPG-TF 320)	7.0	6.7	8.0	7.0	6.7	7.0	6.0	6.9
STEALTH (PPG-TF 238)	8.0	6.0	7.7	7.0	6.3	7.3	6.0	6.9
TEACHER (PPG-TF 313)	7.3	7.0	7.3	7.0	6.0	7.3	6.3	6.9
DLFPS-321/3693	6.3	7.0	7.3	7.0	7.0	7.0	6.7	6.9
DLFPS-321/3703	7.7	6.3	7.0	7.0	6.7	7.0	6.7	6.9
TALLADEGA II (NAI-3N2)	7.3	6.7	7.0	7.0	6.7	7.0	6.7	6.9
GO-RH20	7.7	6.0	7.7	6.7	6.7	7.3	6.0	6.9
PST-5THM	7.7	6.3	7.7	7.0	6.0	6.3	7.0	6.9
BULLSEYE	7.0	7.0	7.0	7.0	6.0	6.7	7.3	6.9
FIRENZA II (PPG-TF 244)	7.0	7.0	8.0	7.0	6.7	6.3	6.0	6.9
NAI-ROS4	7.3	6.7	7.0	7.0	6.3	6.7	7.0	6.9
PPG-TF 231	7.0	7.0	7.3	7.0	6.7	8.0	5.0	6.9
PPG-TF 267	6.3	6.0	8.0	7.0	6.3	8.0	6.3	6.9
PST-5GLBS	7.7	7.0	7.3	7.0	6.3	6.7	6.0	6.9
PST-5TRN	7.0	6.3	8.0	7.0	6.7	7.0	6.0	6.9
RAD-TF105	7.3	7.0	6.7	7.0	6.0	7.3	6.7	6.9
SYMPHONY (PPG-TF 305)	6.3	7.0	7.3	7.0	6.3	6.7	7.3	6.9
TD2	6.7	7.0	7.7	7.0	6.3	6.7	6.7	6.9
BULLSEYE LTZ	8.0	6.3	7.3	7.0	7.0	6.7	5.7	6.9

TABLE 19.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	IA1	MS1	NC1	NE1	OK1	ON1	TN1	
GALLARDO (DLFPS-TF/3550)	5.7	6.0	7.7	7.0	6.3	7.0	8.0	6.8
PADRE 2	8.0	6.7	7.3	7.0	6.0	6.3	6.3	6.8
RS1	7.0	6.7	7.0	7.0	6.3	7.3	6.3	6.8
TRIAD (PPG-TF 323)	6.3	6.3	7.3	7.0	6.3	7.3	7.0	6.8
AH1	6.7	6.7	7.7	7.0	7.0	6.7	6.0	6.8
AVENGER III (PPG-TF 308)	7.3	6.7	7.3	7.0	6.7	7.0	5.7	6.8
BRAVO 2	7.3	7.0	7.0	7.0	6.0	7.0	6.3	6.8
DLFPS-321/3707	6.3	6.7	7.7	7.0	6.3	7.0	6.7	6.8
JT 517	7.3	6.3	7.0	7.0	6.7	7.0	6.3	6.8
K18-RS6	7.0	6.7	7.7	7.0	7.0	6.7	5.7	6.8
RHF	7.3	7.0	7.7	7.0	6.3	6.7	5.7	6.8
RHL2	7.0	6.7	7.0	7.0	6.3	7.0	6.7	6.8
CAPITAN (DLFPS-321/3705)	6.7	6.0	8.0	7.0	6.3	7.0	6.3	6.8
DEGAS (LTP-TF-111)	7.3	6.7	7.3	7.0	6.3	6.3	6.3	6.8
KIZZLE (K18-ROE)	7.7	6.3	7.3	7.0	6.7	6.3	6.0	6.8
OKEEFE (LTP-TF-122)	8.0	6.3	7.0	7.0	6.7	7.0	5.3	6.8
PST-5MINK	7.0	6.0	7.0	7.0	6.3	6.7	7.3	6.8
SETFM3	7.0	6.0	7.0	6.7	6.0	7.0	7.7	6.8
SPYDER 2LS (ZRC1)	7.0	6.7	7.0	6.7	6.7	7.3	6.0	6.8
TANK (PPG-TF 338)	5.3	7.0	7.7	7.0	6.3	7.0	7.0	6.8
XANADU (JT 268)	5.0	6.7	8.0	7.0	6.7	7.7	6.3	6.8
BENTLEY (DLFPS-321/3679)	7.3	6.3	6.3	7.0	6.7	6.7	7.0	6.8
HOUNDG NINE (DLFPS-321/3702)	7.0	6.3	7.0	7.0	7.0	7.0	6.0	6.8
ZION (BAR TF 134)	6.3	6.3	7.7	7.0	7.0	7.0	6.0	6.8
3B2	7.0	6.7	7.3	7.0	6.3	7.3	5.3	6.7
AST8218LM	7.7	6.0	6.0	6.7	6.0	7.3	7.3	6.7
GO-AOMK	7.7	6.0	6.7	7.0	6.3	6.3	7.0	6.7
PARAMOUNT	6.7	6.7	7.7	6.7	6.0	7.0	6.3	6.7
PPG-TF 262	7.3	6.7	7.7	7.0	6.0	7.0	5.3	6.7
A-TF31	7.3	5.7	6.7	6.7	6.3	6.7	7.7	6.7
DLFPS-TF/3553	6.7	6.0	7.0	7.0	6.7	7.0	6.7	6.7
DRAGSTER	7.0	6.3	7.3	7.0	6.3	7.3	5.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	6.0	7.7	6.7	6.7	6.7	6.7	6.7
NT-3	6.7	6.3	7.3	7.0	6.7	6.3	6.7	6.7
PPG-TF 249	6.3	6.7	7.7	7.0	6.3	6.7	6.3	6.7
PST-5GQ	7.3	6.0	7.3	7.0	6.3	6.7	6.3	6.7
GRO-PRO (SE53D2)	6.3	6.3	7.3	7.0	6.7	5.7	7.7	6.7
PST-5E6	7.3	6.3	8.0	7.0	6.0	5.7	6.7	6.7
ATF2116	7.0	6.7	7.0	7.0	6.3	6.3	6.3	6.7
FIREHAWK SLT	6.7	6.0	6.7	7.0	6.0	7.3	7.0	6.7
LIFEGUARD	6.7	7.0	7.0	6.7	6.3	6.7	6.3	6.7
AST8118LM	6.7	6.0	7.0	6.7	6.0	6.7	7.7	6.7
BANDIT	7.7	6.0	6.3	6.7	6.3	6.7	7.0	6.7
FASTLANE (BY-TF-169)	6.7	6.3	5.7	6.7	6.7	7.7	7.0	6.7
GLX ACED (PST-5DART)	7.0	6.7	7.0	7.0	6.3	6.7	6.0	6.7
TOUGH (NAI-TUE)	7.0	6.3	7.3	7.0	5.7	7.0	6.3	6.7
BLADERUNNER 3 (DLFPS-321/3701)	7.3	6.7	6.0	7.0	6.7	7.3	5.3	6.6

TABLE 19.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							
	IA1	MS1	NC1	NE1	OK1	ON1	TN1	MEAN
HEMI	7.7	6.0	7.0	7.0	6.0	7.0	5.7	6.6
PST-5DC24	7.7	6.0	7.0	7.0	6.0	7.0	5.7	6.6
PST-5MCMO	7.7	6.0	7.3	7.0	6.0	6.3	6.0	6.6
RAPTOR LS (PPG-TF 336)	6.7	6.7	6.3	7.0	6.0	7.0	6.7	6.6
TITAN GLX (TF445)	6.3	6.7	7.7	7.0	6.3	7.0	5.3	6.6
DAYBREAK (AH2)	6.7	6.3	6.7	7.0	6.3	6.7	6.7	6.6
COL-TF-148	7.7	6.7	6.7	7.0	6.0	6.7	5.7	6.6
ESTRENA	6.7	6.7	6.3	7.0	6.3	6.7	6.7	6.6
RDC	7.7	6.7	6.3	7.0	6.3	6.7	5.7	6.6
GRANDE 3	7.3	6.7	6.7	7.0	6.0	6.3	6.0	6.6
COPIOUS TF	7.7	6.0	6.0	7.0	6.0	7.7	5.7	6.6
K18-NSE	7.3	7.0	5.0	7.0	6.7	7.3	5.7	6.6
NAI-FQZ-17	7.3	6.3	7.0	7.0	6.0	7.0	5.3	6.6
RAD-TF131	7.0	6.7	5.0	7.0	5.3	8.3	6.7	6.6
PPG-TF 312	8.3	6.7	5.0	7.0	6.3	7.0	5.3	6.5
ATF1768	6.7	6.3	7.0	7.0	5.7	6.7	6.3	6.5
BAR 9FE MAS	7.3	6.0	6.7	7.0	5.7	6.7	6.3	6.5
ENDGAME (3N1)	6.3	6.0	7.0	6.7	6.7	7.3	5.7	6.5
MOONDANCE GLX	6.3	6.7	7.0	6.3	6.3	6.0	7.0	6.5
PST-5BYOB	6.3	6.0	8.0	7.0	6.7	5.7	6.0	6.5
PST-5DZM	6.3	6.3	6.3	7.0	6.3	6.7	6.7	6.5
ESCALADE	7.3	6.0	7.0	7.0	5.7	6.3	6.0	6.5
BAR-FA8230	7.3	6.3	6.0	7.0	6.3	6.7	5.7	6.5
BIRMINGHAM	7.3	6.0	6.7	7.0	6.0	5.7	6.7	6.5
PPG-TF 337	6.3	7.0	7.0	7.0	6.0	7.3	4.7	6.5
TANGO	7.0	6.0	7.3	7.0	5.7	6.7	5.7	6.5
MONUMENT (PST-5SQB)	6.7	6.7	7.3	7.0	6.0	5.7	5.7	6.4
NATURALLY GREEN	6.3	5.7	6.0	7.0	6.0	6.7	7.3	6.4
SE5STAR	6.7	6.3	7.3	7.0	6.0	6.0	5.7	6.4
SETFM2	6.7	6.3	6.7	7.0	6.0	5.7	6.3	6.4
GRAND PRIX (FC15-01P)	7.3	6.0	7.3	7.0	5.7	5.3	6.0	6.4
FAYETTE	6.3	6.3	6.3	6.7	6.3	7.0	5.3	6.3
LBF	6.7	5.7	6.7	7.0	5.7	6.0	6.7	6.3
PRO GOLD	6.7	6.3	7.0	7.0	5.3	5.7	6.3	6.3
OG-WALK	7.3	6.3	6.7	6.7	5.3	5.3	6.3	6.3
RAD-TF115 (TURBO SS)	7.0	5.3	6.0	7.0	4.3	8.0	6.3	6.3
PALOMAR	7.0	6.3	6.3	7.0	5.0	5.3	6.0	6.1
BAR FA 8228	7.0	6.0	6.0	6.7	5.7	5.3	6.0	6.1
KENTUCKY-31	7.3	5.0	5.0	6.7	4.0	4.7	5.3	5.4
LSD VALUE	1.5	0.8	1.2	0.3	0.9	1.1	1.8	0.5
C.V. (%)	13.6	7.4	10.6	3.0	9.3	9.7	17.9	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 20. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	OK1	ON1	TN1	UT1	
DLFPS-321/3708	6.3	7.3	6.0	7.7	8.0	7.0	7.1
5LSS	7.3	6.7	6.0	8.0	6.3	7.7	7.0
NT-3	7.3	7.0	6.3	7.7	6.7	7.0	7.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.0	6.7	8.0	6.3	7.0	6.9
TEACHER (PPG-TF 313)	6.7	7.0	6.0	8.3	6.3	7.3	6.9
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.7	6.3	7.3	6.7	7.3	6.9
AH1	7.0	7.3	6.3	7.3	6.3	7.0	6.9
DEGAS (LTP-TF-111)	7.3	7.7	6.3	7.0	5.7	7.0	6.8
DLFPS-321/3694	6.3	7.3	5.7	7.7	7.0	7.0	6.8
DLFPS-321/3695	7.0	7.0	6.7	7.3	6.0	7.0	6.8
DLFPS-321/3707	7.0	7.3	6.3	7.3	6.0	7.0	6.8
PPG-TF 262	7.0	6.7	6.3	7.3	6.7	7.0	6.8
TRIAD (PPG-TF 323)	6.0	7.3	6.3	7.7	6.7	7.0	6.8
DLFPS-321/3706	6.7	6.0	6.7	7.7	6.3	7.3	6.8
DLFPS-TF/3553	6.0	6.3	7.0	7.7	6.7	7.0	6.8
GO-RH20	6.7	7.3	6.3	7.3	5.7	7.3	6.8
RHF	6.3	6.7	6.7	7.3	6.0	7.7	6.8
PPG-TF 267	6.7	7.0	6.3	7.7	5.3	7.3	6.7
RAD-TF105	6.0	7.0	5.7	7.7	7.0	7.0	6.7
RC4	6.7	7.3	6.7	7.0	5.7	7.0	6.7
TANK (PPG-TF 338)	6.7	7.0	6.0	7.7	6.0	7.0	6.7
BANDIT	6.3	7.3	5.7	7.3	6.7	7.0	6.7
GALACTIC (SESCR1)	6.0	6.3	6.7	7.3	7.0	7.0	6.7
JT 233	6.7	8.3	6.0	7.3	5.0	7.0	6.7
NAI-ST5	6.3	7.0	6.3	8.0	5.7	7.0	6.7
RHL2	7.0	7.3	5.3	7.0	6.7	7.0	6.7
ROVER (PPG-TF 306)	6.3	7.0	6.3	7.3	6.3	7.0	6.7
BLADERUNNER 3 (DLFPS-321/3701)	6.7	6.7	6.3	7.7	5.7	7.0	6.7
BULLSEYE LTZ	6.0	7.3	6.7	7.7	5.3	7.0	6.7
CAPTAN (DLFPS-321/3705)	6.0	6.3	6.7	7.3	6.7	7.0	6.7
DLFPS-321/3703	6.3	7.3	6.3	7.0	6.0	7.0	6.7
PPG-TF 257	6.3	7.0	6.7	7.7	5.3	7.0	6.7
RAPTOR LS (PPG-TF 336)	7.0	6.7	6.0	7.3	5.7	7.3	6.7
ROWDIER (DLFPS-321/3699)	6.7	7.0	6.0	7.0	6.3	7.0	6.7
ZION (BAR TF 134)	6.0	7.0	6.3	8.0	5.7	7.0	6.7
DAYBREAK (AH2)	7.3	5.7	6.0	7.7	6.0	7.0	6.6
K18-NSE	6.0	6.7	6.7	7.7	5.3	7.3	6.6
K18-WB1	6.3	6.7	5.7	7.7	6.3	7.0	6.6
PARAMOUNT	7.0	7.0	5.7	7.0	6.0	7.0	6.6
RDC	6.3	7.0	6.0	7.7	5.3	7.3	6.6
SPYDER 2LS (ZRC1)	6.7	7.3	6.0	7.7	4.7	7.3	6.6
TITANIUM G-LS (PPG-TF 255)	6.7	7.7	6.3	7.0	5.0	7.0	6.6
DLFPS-321/3693	7.3	6.3	6.3	7.0	5.7	7.0	6.6
SERENADE (PPG-TF 320)	6.3	7.0	6.0	7.7	5.7	7.0	6.6
BONFIRE (JS DTT)	6.3	7.0	6.7	7.0	5.3	7.0	6.6
HEMI	6.7	7.3	5.7	7.0	6.0	6.7	6.6

TABLE 20. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2021 DATA

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

NAME	CT1	IA1	OK1	ON1	TN1	UT1	MEAN
HOUNDG NINE (DLFPS-321/3702)	5.7	7.3	6.7	7.0	5.7	7.0	6.6
KIZZLE (K18-ROE)	6.3	6.7	6.7	7.3	5.3	7.0	6.6
NAI-ROS4	6.3	7.0	5.7	7.7	5.7	7.0	6.6
PPG-TF 249	6.3	6.3	6.3	6.7	6.7	7.0	6.6
RAPTOR III	6.3	7.3	6.3	6.7	6.0	6.7	6.6
TD2	6.3	6.7	5.7	7.0	6.7	7.0	6.6
TITAN GLX (TF445)	6.0	6.7	5.7	7.3	6.3	7.3	6.6
BENTLEY (DLFPS-321/3679)	7.0	6.3	6.0	7.3	5.7	7.0	6.6
GALLARDO (DLFPS-TF/3550)	6.0	6.3	7.0	7.0	6.0	7.0	6.6
RACEWAY (DLFPS-321/3696)	5.7	6.3	6.3	7.0	7.0	7.0	6.6
A-TF31	6.3	6.7	5.7	7.7	5.7	7.0	6.5
AVENGER III (PPG-TF 308)	6.7	7.0	6.0	7.7	4.7	7.0	6.5
BRAVO 2	6.0	8.0	5.7	6.3	6.3	6.7	6.5
K18-RS6	6.7	6.7	6.3	7.0	5.3	7.0	6.5
PPG-TF 231	5.7	7.3	6.3	7.3	5.3	7.0	6.5
PPG-TF 312	6.7	7.0	6.3	7.7	3.7	7.7	6.5
PPG-TF 316	6.3	7.3	6.7	7.3	4.3	7.0	6.5
RS1	6.7	5.7	6.3	7.0	6.3	7.0	6.5
TALLADEGA II (NAI-3N2)	5.7	6.3	6.3	7.3	6.3	7.0	6.5
BGR-TF3	6.3	7.0	6.0	6.3	6.7	6.7	6.5
DRAGSTER	5.0	6.7	6.0	8.0	6.0	7.0	6.4
NAI-FQZ-17	6.3	7.7	5.7	7.7	5.0	6.3	6.4
RH3	6.3	6.7	6.7	7.3	4.7	7.0	6.4
STEALTH (PPG-TF 238)	6.0	6.0	6.0	7.7	5.7	7.3	6.4
AST8118LM	5.7	7.0	5.7	7.0	6.7	6.7	6.4
COL-TF-148	6.3	6.7	6.0	7.3	5.0	7.3	6.4
DYNAMITE G-LS (PPG-TF 254)	6.0	6.0	6.3	6.7	6.3	7.3	6.4
FASTLANE (BY-TF-169)	6.0	6.3	6.3	7.7	5.3	7.0	6.4
PST-5DC24	6.0	7.7	6.0	6.0	6.3	6.7	6.4
SR 8700 (TMT1)	7.0	6.3	6.3	7.0	5.0	7.0	6.4
TITAN MAX (TF456)	6.3	6.3	5.7	7.7	5.3	7.3	6.4
TOUGH (NAI-TUE)	6.3	6.0	6.0	7.3	6.0	7.0	6.4
ESTRENA	5.3	7.0	5.7	7.7	5.3	7.3	6.4
GRO-PRO (SE53D2)	5.7	7.0	6.7	7.0	5.3	6.7	6.4
PPG-TF 318	6.0	7.7	6.0	7.0	4.7	7.0	6.4
COPIOUS TF	6.3	6.0	5.7	8.0	5.3	7.0	6.4
FAIRFIELD (SETF104)	6.7	6.7	6.3	7.3	4.3	7.0	6.4
FIREHAWK SLT	5.7	6.3	5.3	8.0	6.0	7.0	6.4
PST-5THM	5.3	7.3	6.7	6.3	6.0	6.7	6.4
TANGO	6.3	7.0	5.0	7.3	5.7	7.0	6.4
NATURALLY GREEN	5.7	7.0	5.7	6.7	6.7	6.3	6.3
3B2	5.7	7.3	6.3	6.3	5.3	7.0	6.3
AST8218LM	6.0	6.7	5.7	6.0	7.0	6.7	6.3
BULLSEYE	6.3	7.3	5.7	6.0	5.7	7.0	6.3
FIRENZA II (PPG-TF 244)	6.3	7.3	6.0	7.0	4.3	7.0	6.3
LIFEGUARD	5.7	7.3	6.3	6.3	5.3	7.0	6.3
MONUMENT (PST-5SQB)	5.3	6.7	6.3	7.3	5.3	7.0	6.3

TABLE 20. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	CT1	IA1	OK1	ON1	TN1	UT1	
PADRE 2	6.0	6.3	6.3	6.3	6.0	7.0	6.3
PST-5GQ	6.0	6.3	5.7	7.3	5.7	7.0	6.3
SETFM3	6.3	6.3	6.0	7.0	5.7	6.7	6.3
ENDGAME (3N1)	5.7	6.3	6.3	6.7	5.7	7.0	6.3
GLX ACED (PST-5DART)	5.7	7.0	6.7	7.0	4.3	7.0	6.3
PPG-TF 337	6.7	6.7	6.7	7.0	3.7	7.0	6.3
RH1	5.7	6.7	6.7	6.7	5.0	7.0	6.3
BAR 9FE MAS	6.0	8.0	5.0	6.7	4.7	7.0	6.2
JT 517	5.7	6.3	5.7	7.0	6.3	6.3	6.2
ATF1768	6.0	6.3	5.7	7.3	5.0	7.0	6.2
FAYETTE	6.7	7.7	5.7	6.3	4.0	7.0	6.2
GRANDE 3	6.3	5.7	6.0	6.3	6.0	7.0	6.2
SYMPHONY (PPG-TF 305)	5.7	6.3	6.3	7.3	4.7	7.0	6.2
XANADU (JT 268)	6.3	6.3	6.3	7.3	4.0	7.0	6.2
ATF2116	6.0	6.3	6.0	6.0	6.0	6.7	6.2
LBF	5.3	7.3	5.7	6.0	5.7	7.0	6.2
SE5STAR	6.0	6.7	6.0	7.0	4.3	7.0	6.2
PST-5DZM	6.3	6.7	6.0	7.0	3.7	7.0	6.1
GO-AOMK	5.3	6.3	6.3	6.7	5.3	6.7	6.1
OG-WALK	5.3	7.3	5.0	6.3	6.7	6.0	6.1
PST-5MINK	6.0	5.3	6.3	7.0	5.0	7.0	6.1
BAR-FA8230	5.3	6.3	6.0	6.7	5.3	6.7	6.1
BIRMINGHAM	5.0	7.0	5.3	6.3	6.0	6.7	6.1
OKEEFE (LTP-TF-122)	6.0	5.3	6.7	7.3	4.0	7.0	6.1
PST-5GLBS	6.0	5.7	6.0	6.3	5.0	7.0	6.0
RAD-TF115 (TURBO SS)	5.7	7.3	3.7	6.7	5.7	7.0	6.0
RAD-TF131	5.7	6.3	4.3	8.0	5.0	6.7	6.0
PST-5MCMO	5.7	6.0	6.0	6.7	4.3	7.0	5.9
BAR FA 8228	5.0	7.0	5.0	6.0	6.0	6.7	5.9
ESCALADE	5.0	6.7	6.0	6.3	5.0	6.7	5.9
MOONDANCE GLX	6.0	5.7	6.3	6.3	5.0	6.3	5.9
PRO GOLD	5.3	5.7	5.7	6.3	6.0	6.3	5.9
PST-5TRN	5.0	6.3	6.7	6.7	4.3	6.3	5.9
PST-5BYOB	5.7	5.7	6.0	6.3	5.0	6.3	5.8
SETFM2	5.7	6.0	5.7	5.7	5.3	6.3	5.8
PST-5E6	5.0	6.0	5.7	6.7	4.0	6.7	5.7
GRAND PRIX (FC15-01P)	5.0	6.0	5.3	6.3	4.7	6.0	5.6
PALOMAR	5.0	6.3	5.3	5.7	3.7	6.3	5.4
KENTUCKY-31	4.0	6.3	4.0	5.7	3.3	5.0	4.7
LSD VALUE	1.2	1.7	0.9	0.9	2.2	0.6	0.6
C.V. (%)	11.8	16.1	9.5	8.1	24.4	5.2	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 21.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	CT1	IA1	IN1	MI1	NC1	NE1	OK1	ON1	TN1	
ZION (BAR TF 134)	7.7	7.0	6.3	9.0	8.0	7.3	6.3	7.7	8.0	7.5
SPYDER 2LS (ZRC1)	9.0	6.7	6.7	9.0	7.7	7.7	6.0	7.3	7.3	7.5
TEACHER (PPG-TF 313)	8.3	7.0	6.0	8.7	7.7	7.7	5.7	7.7	8.7	7.5
AH1	8.3	6.7	6.0	9.0	8.3	8.0	6.3	7.7	6.3	7.4
DLFPS-321/3707	7.7	7.0	5.7	8.7	8.0	8.0	6.7	7.7	7.3	7.4
NAI-ROS4	8.0	6.3	6.3	9.0	8.0	8.0	6.0	7.7	7.3	7.4
PPG-TF 262	7.3	7.0	6.7	9.0	8.0	7.7	6.3	7.0	7.3	7.4
PPG-TF 316	7.3	6.3	7.0	9.0	8.0	8.0	6.0	7.3	7.3	7.4
PPG-TF 318	7.3	7.3	6.3	9.0	8.0	7.7	6.0	7.0	7.7	7.4
DLFPS-321/3706	7.7	6.3	6.7	8.7	7.3	7.3	6.0	7.3	8.7	7.3
PPG-TF 337	7.7	6.7	6.7	9.0	7.3	7.7	6.0	7.3	7.7	7.3
CAPTAN (DLFPS-321/3705)	7.3	6.7	6.0	9.0	7.7	8.0	6.3	7.0	7.7	7.3
DLFPS-TF/3553	7.7	7.3	6.3	8.7	7.3	7.7	7.0	7.3	6.3	7.3
ROVER (PPG-TF 306)	7.0	7.0	6.7	9.0	8.0	7.7	5.7	7.3	7.0	7.3
BLADERUNNER 3 (DLFPS-321/3701)	7.7	7.0	6.7	9.0	7.7	7.7	6.3	6.7	6.7	7.3
DRAGSTER	7.0	7.3	6.0	9.0	6.7	8.0	6.0	7.7	7.7	7.3
GO-RH20	8.0	6.7	5.7	9.0	7.7	7.7	5.7	7.7	7.3	7.3
K18-WB1	7.7	6.7	5.7	8.7	7.7	7.3	6.7	7.3	7.7	7.3
RH3	8.0	6.7	6.0	8.3	7.7	7.3	6.7	7.0	7.7	7.3
DAYBREAK (AH2)	8.3	6.3	5.3	9.0	8.0	8.0	5.7	7.3	7.0	7.2
DLFPS-321/3693	7.7	6.7	6.0	9.0	6.7	8.0	6.3	7.3	7.3	7.2
DYNAMITE G-LS (PPG-TF 254)	6.7	6.3	6.7	9.0	6.7	8.0	6.3	7.3	8.0	7.2
NT-3	8.3	6.3	6.0	8.7	7.7	7.7	6.0	7.0	7.3	7.2
TANK (PPG-TF 338)	7.0	7.0	6.0	8.7	7.7	8.0	6.3	7.7	6.7	7.2
TRIAD (PPG-TF 323)	8.0	7.3	5.7	9.0	7.7	7.3	6.0	7.3	6.7	7.2
GALACTIC (SESCR1)	8.0	6.7	6.0	9.0	8.0	7.3	6.7	7.0	6.0	7.2
PPG-TF 249	7.7	7.0	6.3	9.0	6.3	7.7	6.3	6.3	8.0	7.2
PST-5MCMO	6.7	7.3	6.3	9.0	7.7	7.7	6.3	6.3	7.3	7.2
DEGAS (LTP-TF-111)	7.3	6.7	6.3	9.0	7.0	8.0	5.7	7.0	7.7	7.2
K18-RS6	8.7	6.3	6.3	9.0	7.3	7.3	5.7	6.7	7.3	7.2
RHL2	6.7	6.7	6.0	9.0	8.0	7.0	6.3	7.3	7.3	7.1
FASTLANE (BY-TF-169)	6.3	7.0	6.3	9.0	7.0	7.7	6.3	7.3	7.3	7.1
RS1	8.0	6.3	6.0	9.0	7.3	8.0	6.0	7.3	6.3	7.1
TITANIUM G-LS (PPG-TF 255)	7.0	6.3	6.0	9.0	7.3	8.0	6.3	7.0	7.3	7.1
DLFPS-321/3708	7.0	6.0	6.0	8.3	8.0	8.0	6.0	7.3	7.3	7.1
RAPTOR LS (PPG-TF 336)	7.0	6.3	6.3	9.0	7.3	8.0	6.3	6.7	7.0	7.1
RDC	7.7	5.0	7.0	9.0	7.3	8.0	6.3	6.7	7.0	7.1
SERENADE (PPG-TF 320)	7.3	7.0	6.7	8.7	8.0	7.7	6.0	7.0	5.7	7.1
TD2	7.0	6.3	6.7	9.0	7.3	8.0	6.0	6.3	7.3	7.1
5LSS	8.7	6.0	6.7	9.0	6.7	7.3	5.7	7.3	6.3	7.1
DLFPS-321/3695	7.3	7.3	5.7	8.7	6.0	7.3	6.3	7.3	7.7	7.1
RHF	7.7	6.7	6.3	9.0	7.3	7.3	6.3	6.7	6.3	7.1
AVENGER III (PPG-TF 308)	7.3	6.7	5.7	9.0	7.3	7.7	6.0	7.0	7.0	7.1
FIRENZA II (PPG-TF 244)	7.3	6.3	6.3	9.0	8.0	7.7	6.0	7.0	6.0	7.1
K18-NSE	7.7	6.0	5.7	8.7	6.7	8.0	5.3	8.0	7.7	7.1
PPG-TF 312	8.0	6.3	5.3	9.0	6.3	7.7	6.7	7.3	7.0	7.1

TABLE 21.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	CT1	IA1	IN1	MI1	NC1	NE1	OK1	ON1	TN1	
TITAN GLX (TF445)	8.0	6.7	6.7	8.7	7.3	7.7	5.7	6.7	6.3	7.1
BULLSEYE LTZ	7.0	6.7	6.3	9.0	7.3	7.3	6.0	7.3	6.3	7.0
NAI-ST5	7.7	6.7	6.0	9.0	7.3	7.3	6.0	6.7	6.7	7.0
OKEEFE (LTP-TF-122)	7.3	6.3	5.7	9.0	7.0	8.0	6.3	7.3	6.3	7.0
PPG-TF 257	6.7	7.0	6.0	9.0	7.3	7.3	6.0	7.3	6.7	7.0
PPG-TF 267	6.7	6.7	6.7	9.0	6.7	7.7	6.3	7.3	6.3	7.0
RH1	7.0	6.7	5.7	9.0	7.3	7.7	6.0	7.0	7.0	7.0
TALLADEGA II (NAI-3N2)	7.0	6.3	5.7	9.0	7.0	7.7	6.3	7.3	7.0	7.0
RC4	7.7	6.7	5.7	9.0	7.0	7.7	6.3	6.7	6.7	7.0
RAD-TF105	6.3	6.7	6.0	9.0	7.0	7.3	5.3	7.0	8.3	7.0
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.7	6.3	9.0	6.7	7.3	6.7	7.0	6.3	7.0
PST-5GQ	5.7	6.7	6.0	9.0	7.3	7.7	6.0	7.7	7.0	7.0
TOUGH (NAI-TUE)	7.7	7.0	5.0	9.0	6.3	7.3	5.7	7.0	8.0	7.0
KIZZLE (K18-ROE)	6.7	6.7	5.7	8.7	7.7	7.7	6.3	7.0	6.7	7.0
PARAMOUNT	7.3	6.3	5.7	9.0	7.0	7.3	6.0	6.7	7.7	7.0
ESTRENA	7.3	7.0	6.3	9.0	5.3	7.3	6.0	7.0	7.3	7.0
SYMPHONY (PPG-TF 305)	7.0	6.7	5.7	9.0	7.3	8.0	6.3	7.0	5.7	7.0
PADRE 2	6.0	7.3	6.0	9.0	6.7	7.0	6.3	6.7	7.7	7.0
ROWDIER (DLFPS-321/3699)	8.0	6.3	5.7	9.0	6.0	7.7	6.0	7.0	7.0	7.0
SR 8700 (TMT1)	7.3	7.0	6.0	9.0	6.7	8.0	6.0	6.0	6.7	7.0
TITAN MAX (TF456)	8.0	6.0	6.0	9.0	7.3	8.0	6.0	6.7	5.7	7.0
FIREHAWK SLT	7.7	6.0	5.7	9.0	6.7	8.0	5.7	7.3	6.3	6.9
BENTLEY (DLFPS-321/3679)	7.0	7.0	6.3	9.0	5.3	7.7	6.3	6.7	7.0	6.9
BONFIRE (JS DTT)	7.3	6.0	6.3	8.7	7.0	7.3	6.0	6.7	7.0	6.9
SETFM3	6.3	7.0	5.7	9.0	7.3	7.7	5.7	6.7	7.0	6.9
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	5.7	6.0	9.0	7.7	7.0	5.7	6.7	7.3	6.9
GALLARDO (DLFPS-TF/3550)	7.0	6.7	5.3	9.0	7.3	7.7	6.7	7.0	5.3	6.9
GLX ACED (PST-5DART)	7.7	6.0	6.7	8.7	7.3	7.7	6.0	6.7	5.3	6.9
PPG-TF 231	7.3	6.7	5.7	8.7	6.3	7.3	6.7	7.0	6.3	6.9
XANADU (JT 268)	7.7	5.7	6.3	9.0	7.7	8.0	6.0	6.0	5.7	6.9
HEMI	7.3	6.7	4.3	9.0	7.0	7.7	5.7	7.0	7.3	6.9
JT 233	7.0	7.3	5.3	8.7	6.0	7.3	5.7	6.7	8.0	6.9
STEALTH (PPG-TF 238)	6.7	5.7	5.7	9.0	7.7	7.7	5.7	7.7	6.3	6.9
FAIRFIELD (SETF104)	8.0	6.7	4.3	9.0	7.7	7.3	6.0	6.3	6.3	6.9
BULLSEYE	8.0	7.0	4.7	8.7	6.7	7.0	5.7	6.3	7.7	6.9
DLFPS-321/3703	7.0	7.0	5.3	9.0	6.0	8.0	5.7	6.3	7.3	6.9
PST-5MINK	6.7	6.7	5.3	8.7	6.7	7.7	6.7	6.3	7.0	6.9
RACEWAY (DLFPS-321/3696)	6.0	7.0	5.7	9.0	6.0	7.7	5.7	7.0	7.7	6.9
GO-AOMK	5.3	7.7	5.3	8.7	6.3	7.3	6.3	6.7	7.7	6.8
PST-5DZM	6.0	7.0	5.7	8.7	7.0	7.0	6.0	6.3	7.7	6.8
SETFM2	5.7	7.3	5.7	9.0	6.3	7.3	6.0	6.3	7.7	6.8
HOUNDG NINE (DLFPS-321/3702)	6.3	6.7	5.0	9.0	7.3	8.0	6.3	6.0	6.3	6.8
RAPTOR III	7.0	6.0	5.3	9.0	6.3	7.7	5.7	6.7	7.3	6.8
MOONDANCE GLX	6.0	7.0	5.7	9.0	7.0	7.7	6.0	6.3	6.0	6.7
PST-5TRN	6.0	6.7	5.3	9.0	7.0	7.3	6.3	6.3	6.7	6.7
BGR-TF3	6.3	6.7	5.3	8.7	5.7	7.3	5.7	7.0	8.0	6.7
COL-TF-148	7.0	5.3	6.3	9.0	6.3	7.3	5.0	7.7	6.7	6.7

TABLE 21.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									
	CT1	IA1	IN1	MI1	NC1	NE1	OK1	ON1	TN1	MEAN
DLFPS-321/3694	6.7	5.7	5.0	9.0	5.7	7.7	5.7	7.3	8.0	6.7
GRO-PRO (SE53D2)	6.0	7.3	5.3	8.7	6.3	7.3	6.7	5.7	7.3	6.7
PST-5GLBS	6.0	6.3	6.0	8.7	7.7	7.3	6.0	6.0	6.7	6.7
ENDGAME (3N1)	6.0	6.7	6.0	9.0	7.0	7.0	6.0	6.3	6.3	6.7
3B2	6.0	5.7	5.3	9.0	7.0	7.3	5.3	6.7	8.0	6.7
ESCALADE	5.0	8.0	5.0	8.3	6.0	7.0	6.3	6.3	8.0	6.7
BAR-FA8230	6.0	7.3	5.0	9.0	6.3	7.3	6.0	6.0	7.0	6.7
PRO GOLD	5.0	7.0	5.7	8.3	6.0	7.3	6.0	6.7	8.0	6.7
SE5STAR	6.3	6.7	4.7	8.3	6.7	7.7	5.3	7.0	7.3	6.7
A-TF31	6.0	7.7	4.7	8.0	6.7	7.0	5.3	7.0	7.3	6.6
GRANDE 3	6.7	6.0	5.7	9.0	6.0	7.7	6.0	6.7	6.0	6.6
NATURALLY GREEN	6.7	6.7	4.3	8.0	5.7	8.0	5.7	6.7	8.0	6.6
PST-5BYOB	5.7	7.3	5.7	8.7	7.7	7.3	6.0	6.3	5.0	6.6
PST-5DC24	6.3	7.3	5.7	8.7	6.3	7.7	5.7	5.7	6.3	6.6
PST-5E6	5.7	6.7	5.7	8.7	7.3	7.7	5.7	6.0	6.3	6.6
PST-5THM	5.0	6.7	5.7	9.0	7.3	7.3	5.3	6.7	6.7	6.6
TANGO	6.3	6.3	5.3	8.7	6.7	7.7	5.3	6.3	7.0	6.6
BANDIT	6.3	7.0	5.0	8.7	5.7	7.7	5.7	6.7	7.0	6.6
JT 517	6.0	7.0	5.7	8.0	6.3	7.0	5.7	6.7	7.0	6.6
LIFEGUARD	5.7	6.0	6.0	8.7	7.0	7.3	5.7	6.3	6.3	6.6
ATF1768	5.7	6.3	5.0	8.3	7.0	7.3	5.7	6.7	7.0	6.6
ATF2116	5.7	7.0	5.7	8.7	6.7	7.3	6.0	6.0	6.0	6.6
NAI-FQZ-17	5.7	7.0	5.0	9.0	6.7	7.7	5.3	6.7	6.0	6.6
MONUMENT (PST-5SQB)	6.0	5.3	5.3	8.7	7.0	7.3	6.0	6.7	6.7	6.6
AST8118LM	6.0	7.3	4.7	8.7	5.0	7.7	5.7	6.3	7.3	6.5
BIRMINGHAM	7.0	7.0	4.3	8.7	5.7	7.0	5.7	6.3	7.0	6.5
FAYETTE	6.7	6.7	5.0	9.0	5.7	7.3	6.3	6.7	5.0	6.5
BRAVO 2	5.3	6.7	5.0	8.7	6.3	7.0	5.7	6.7	7.0	6.5
RAD-TF131	6.3	7.3	4.3	8.7	5.7	7.3	4.7	7.3	6.3	6.4
COPIOUS TF	7.0	5.0	4.7	8.0	5.7	7.7	5.7	7.0	7.0	6.4
BAR 9FE MAS	5.0	7.0	4.0	9.0	5.0	8.0	5.3	6.7	7.3	6.4
AST8218LM	5.0	7.0	4.7	8.7	5.3	7.7	5.7	6.0	7.0	6.3
LBF	5.7	6.0	5.0	8.7	5.0	8.0	5.7	6.7	6.3	6.3
PALOMAR	4.3	7.3	4.3	8.3	5.3	7.0	5.3	6.7	8.0	6.3
RAD-TF115 (TURBO SS)	6.7	6.7	3.7	8.7	5.3	7.3	4.0	7.0	6.7	6.2
OG-WALK	5.0	6.7	4.7	8.7	5.7	7.3	5.0	6.3	6.3	6.2
GRAND PRIX (FC15-01P)	5.0	5.7	5.0	8.0	6.7	7.3	5.3	5.3	6.7	6.1
BAR FA 8228	4.7	7.0	5.3	8.3	5.0	7.3	5.0	5.3	6.7	6.1
KENTUCKY-31	3.7	6.3	3.3	6.0	5.3	6.7	4.0	3.7	8.0	5.2
LSD VALUE	1.4	1.3	1.1	0.6	1.2	0.9	0.9	1.1	2.1	0.4
C.V. (%)	12.8	12.1	12.3	4.0	11.1	7.6	9.8	10.0	18.3	11.2

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

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

TABLE 22.

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

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	OK1	PA2	TN1	MEAN
PPG-TF 312	97.3	99.0	99.0	94.3	97.4
CAPITAN (DLFPS-321/3705)	97.0	99.0	98.7	94.7	97.3
DLFPS-321/3693	96.0	99.0	98.7	95.3	97.3
5LSS	98.0	99.0	99.0	92.0	97.0
DLFPS-321/3694	95.0	99.0	99.0	95.0	97.0
TD2	95.3	98.7	98.7	95.3	97.0
K18-RS6	96.0	99.0	98.7	93.7	96.8
K18-WB1	96.0	99.0	98.7	93.7	96.8
RH1	93.7	99.0	99.0	95.7	96.8
DEGAS (LTP-TF-111)	96.3	99.0	99.0	93.0	96.8
FASTLANE (BY-TF-169)	95.3	99.0	98.3	94.7	96.8
SPYDER 2LS (ZRC1)	94.0	99.0	98.7	95.0	96.7
COL-TF-148	96.0	99.0	98.3	93.3	96.7
DLFPS-321/3706	93.7	99.0	98.7	95.0	96.6
TEACHER (PPG-TF 313)	97.0	97.7	98.7	93.0	96.6
DAYBREAK (AH2)	94.3	99.0	98.7	94.3	96.6
FIRENZA II (PPG-TF 244)	95.7	99.0	99.0	92.3	96.5
PPG-TF 257	91.7	99.0	99.0	96.3	96.5
PRO GOLD	96.0	99.0	98.7	92.3	96.5
GRANDE 3	92.0	99.0	98.3	96.0	96.3
GALACTIC (SESCR1)	94.3	99.0	99.0	92.7	96.3
GO-RH20	93.7	99.0	99.0	93.0	96.2
K18-NSE	94.0	99.0	98.7	93.0	96.2
DLFPS-321/3695	92.7	99.0	98.7	94.0	96.1
SERENADE (PPG-TF 320)	95.7	99.0	98.7	91.0	96.1
SR 8700 (TMT1)	94.0	99.0	98.7	92.7	96.1
OKEEFE (LTP-TF-122)	93.7	99.0	98.3	93.3	96.1
NAI-ROS4	93.3	99.0	98.7	93.0	96.0
PADRE 2	95.3	99.0	98.7	91.0	96.0
PST-5GLBS	94.0	99.0	98.7	92.3	96.0
GALLARDO (DLFPS-TF/3550)	95.0	99.0	99.0	90.7	95.9
NT-3	94.7	98.7	99.0	91.3	95.9
RAPTOR LS (PPG-TF 336)	91.3	99.0	98.7	94.7	95.9
ZION (BAR TF 134)	93.7	99.0	98.7	92.3	95.9
AH1	94.3	99.0	99.0	91.3	95.9
RC4	94.3	99.0	98.3	92.0	95.9
DRAGSTER	93.3	99.0	98.7	92.3	95.8
RS1	94.3	99.0	98.3	91.7	95.8
DLFPS-321/3703	93.3	99.0	99.0	91.7	95.8
PST-5MCMO	95.3	99.0	98.0	90.7	95.8
RACEWAY (DLFPS-321/3696)	92.3	99.0	99.0	92.7	95.8
TITAN MAX (TF456)	94.0	99.0	98.3	91.7	95.8
KIZZLE (K18-ROE)	93.0	99.0	98.7	92.0	95.7
HOUND OG NINE (DLFPS-321/3702)	95.0	99.0	98.3	90.3	95.7
RDC	92.3	99.0	98.3	93.0	95.7
RAPTOR III	93.7	99.0	98.7	91.0	95.6
RHF	94.7	99.0	99.0	89.7	95.6

TABLE 22.
(CONT'D)

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

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	OK1	PA2	TN1	MEAN
PPG-TF 337	92.0	99.0	99.0	92.3	95.6
LIFEGUARD	94.7	99.0	98.7	89.7	95.5
PST-5E6	94.7	99.0	98.7	89.7	95.5
DLFPS-TF/3553	93.3	99.0	99.0	90.7	95.5
SYMPHONY (PPG-TF 305)	92.7	99.0	99.0	91.3	95.5
TANK (PPG-TF 338)	92.7	99.0	99.0	91.3	95.5
BENTLEY (DLFPS-321/3679)	91.3	99.0	98.7	92.7	95.4
BLADERUNNER 3 (DLFPS-321/3701)	94.7	99.0	98.7	89.3	95.4
PPG-TF 231	90.3	98.7	98.7	94.0	95.4
AVENGER III (PPG-TF 308)	90.3	99.0	99.0	93.3	95.4
BULLSEYE LTZ	91.3	99.0	99.0	92.3	95.4
FAYETTE	91.3	99.0	99.0	92.0	95.3
PARAMOUNT	91.7	99.0	98.3	92.3	95.3
RH3	93.3	99.0	98.7	90.0	95.3
ROVER (PPG-TF 306)	90.3	98.7	98.7	93.3	95.3
STEALTH (PPG-TF 238)	91.7	99.0	99.0	91.0	95.2
TITAN GLX (TF445)	92.3	99.0	98.7	90.7	95.2
TITANIUM G-LS (PPG-TF 255)	91.3	99.0	99.0	91.3	95.2
ESCALADE	93.7	99.0	99.0	88.7	95.1
JT 233	92.7	99.0	98.7	90.0	95.1
GLX ACED (PST-5DART)	92.3	99.0	99.0	90.0	95.1
NATURALLY GREEN	91.3	99.0	98.7	91.3	95.1
TRIAD (PPG-TF 323)	91.0	99.0	98.3	92.0	95.1
FIREHAWK SLT	92.7	97.7	99.0	90.7	95.0
LBF	89.0	99.0	98.3	93.7	95.0
PPG-TF 267	91.3	99.0	99.0	90.7	95.0
ESSENTIAL 2 (DLFPS-TF/3552)	92.7	98.7	98.7	89.7	94.9
FIRECRACKER G-LS (PPG-TF 315)	90.3	99.0	98.7	91.7	94.9
DLFPS-321/3707	90.0	99.0	98.3	92.3	94.9
RAD-TF105	89.3	99.0	99.0	92.3	94.9
PPG-TF 318	90.0	99.0	99.0	91.3	94.8
PPG-TF 262	92.0	99.0	98.7	89.3	94.8
3B2	93.0	97.7	98.7	89.3	94.7
BGR-TF3	91.7	99.0	98.7	89.3	94.7
ENDGAME (3N1)	90.7	99.0	98.7	90.3	94.7
ESTRENA	94.0	99.0	98.3	87.3	94.7
PST-5MINK	89.7	99.0	99.0	90.7	94.6
JT 517	90.0	99.0	98.3	91.0	94.6
PPG-TF 316	89.0	99.0	98.3	92.0	94.6
DYNAMITE G-LS (PPG-TF 254)	87.7	99.0	99.0	92.3	94.5
PST-5THM	90.7	99.0	99.0	89.3	94.5
RHL2	93.7	94.3	98.7	91.3	94.5
BIRMINGHAM	90.7	99.0	98.7	89.3	94.4
BAR-FA8230	93.0	99.0	98.3	87.3	94.4
MOONDANCE GLX	91.3	99.0	99.0	88.3	94.4
DLFPS-321/3708	87.0	99.0	99.0	92.3	94.3
GRO-PRO (SE53D2)	90.7	99.0	98.7	88.7	94.3

TABLE 22.
(CONT'D)

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

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	OK1	PA2	TN1	MEAN
PEG-TF 249	90.7	99.0	98.3	89.0	94.3
PST-5TRN	90.0	99.0	98.7	89.0	94.2
XANADU (JT 268)	93.0	97.7	98.7	87.0	94.1
BONFIRE (JS DTT)	88.0	99.0	99.0	90.3	94.1
PST-5GQ	90.3	99.0	98.0	89.0	94.1
FAIRFIELD (SETF104)	90.0	98.7	98.7	88.7	94.0
BAR 9FE MAS	92.0	99.0	99.0	86.0	94.0
NAI-ST5	91.3	98.7	98.7	87.3	94.0
PST-5BYOB	92.3	99.0	98.7	86.0	94.0
BRAVO 2	95.3	99.0	98.3	83.0	93.9
SETFM2	89.3	99.0	98.3	89.0	93.9
ATF1768	88.7	99.0	99.0	88.7	93.8
AST8118LM	89.3	99.0	98.7	88.3	93.8
COPIOUS TF	92.0	99.0	98.7	85.0	93.7
OG-WALK	89.3	98.7	98.7	88.0	93.7
ROWDIER (DLFPS-321/3699)	87.0	99.0	98.0	90.7	93.7
TALLADEGA II (NAI-3N2)	92.0	99.0	98.7	85.0	93.7
NAI-FQZ-17	88.7	99.0	98.3	88.0	93.5
SE5STAR	88.3	99.0	99.0	87.3	93.4
TANGO	89.3	99.0	98.7	86.3	93.3
HEMI	85.7	98.7	99.0	89.7	93.3
BULLSEYE	88.7	99.0	99.0	86.3	93.3
KENTUCKY-31	93.0	99.0	93.3	87.7	93.3
TOUGH (NAI-TUE)	88.3	99.0	98.7	86.7	93.2
SETFM3	86.7	99.0	99.0	87.7	93.1
BAR FA 8228	84.0	99.0	98.3	91.0	93.1
PST-5DC24	87.3	99.0	99.0	87.0	93.1
BANDIT	90.0	99.0	99.0	83.7	92.9
ATF2116	89.3	99.0	98.7	84.3	92.8
PST-5DZM	86.0	99.0	99.0	87.3	92.8
A-TF31	87.0	97.7	98.3	86.7	92.4
GO-AOMK	84.3	99.0	98.7	87.7	92.4
MONUMENT (PST-5SQB)	87.0	99.0	98.7	84.7	92.3
PALOMAR	86.3	99.0	98.0	85.7	92.3
GRAND PRIX (FC15-01P)	85.3	99.0	98.3	86.3	92.3
AST8218LM	85.3	99.0	98.0	85.3	91.9
RAD-TF131	83.0	76.3	98.3	84.7	85.6
RAD-TF115 (TURBO SS)	84.3	66.3	99.0	88.3	84.5
LSD VALUE	7.1	8.6	0.9	7.7	3.4
C.V. (%)	4.8	5.4	0.5	5.3	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 23.

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	PA2	TN1	MEAN
DRAGSTER	93.3	97.7	99.0	99.0	80.0	93.8
ATF2116	92.7	93.0	99.0	99.0	79.7	92.7
DYNAMITE G-LS (PPG-TF 254)	92.7	97.7	99.0	99.0	73.7	92.4
SERENADE (PPG-TF 320)	92.7	93.0	99.0	99.0	78.3	92.4
STEALTH (PPG-TF 238)	93.7	94.7	99.0	99.0	75.0	92.3
PPG-TF 249	90.3	95.3	99.0	99.0	77.7	92.3
BAR FA 8228	89.7	97.7	99.0	99.0	75.3	92.1
GLX ACED (PST-5DART)	90.7	91.0	99.0	99.0	81.0	92.1
AH1	92.7	86.7	99.0	99.0	83.0	92.1
RS1	95.3	88.3	99.0	99.0	78.7	92.1
TD2	91.3	91.3	99.0	99.0	79.7	92.1
BLADERUNNER 3 (DLFPS-321/3701)	92.3	90.3	99.0	99.0	78.7	91.9
PPG-TF 262	96.0	86.3	99.0	99.0	78.7	91.8
PRO GOLD	95.3	86.7	99.0	99.0	79.0	91.8
ATF1768	94.0	93.3	99.0	99.0	73.0	91.7
BAR 9FE MAS	89.0	91.7	99.0	99.0	79.3	91.6
RACEWAY (DLFPS-321/3696)	89.0	91.3	99.0	99.0	79.7	91.6
FIRECRACKER G-LS (PPG-TF 315)	89.3	88.3	99.0	99.0	82.0	91.5
TANGO	90.7	89.7	99.0	99.0	79.3	91.5
NT-3	92.0	90.7	99.0	99.0	76.7	91.5
DLFPS-321/3708	88.7	83.3	99.0	99.0	87.0	91.4
PPG-TF 257	91.3	93.0	99.0	99.0	74.7	91.4
DAYBREAK (AH2)	93.3	88.0	99.0	99.0	77.0	91.3
AVENGER III (PPG-TF 308)	95.3	93.0	97.7	99.0	71.3	91.3
BONFIRE (JS DTT)	93.7	88.3	99.0	99.0	76.3	91.3
PST-5THM	91.3	86.7	99.0	99.0	80.0	91.2
RHF	95.7	88.3	99.0	99.0	74.0	91.2
TALLADEGA II (NAI-3N2)	92.3	91.7	99.0	99.0	74.0	91.2
PST-5GLBS	88.3	97.7	99.0	99.0	71.7	91.1
RHL2	91.0	88.3	99.0	99.0	78.0	91.1
TITAN GLX (TF445)	95.0	89.3	99.0	99.0	73.0	91.1
DLFPS-321/3703	91.3	90.0	99.0	99.0	75.7	91.0
NATURALLY GREEN	88.0	95.0	99.0	99.0	74.0	91.0
K18-WB1	96.0	85.0	99.0	99.0	75.7	90.9
RAPTOR LS (PPG-TF 336)	95.0	90.0	99.0	99.0	71.7	90.9
ROWDIER (DLFPS-321/3699)	95.0	89.7	99.0	99.0	72.0	90.9
BANDIT	88.7	96.3	99.0	99.0	71.3	90.9
ESSENTIAL 2 (DLFPS-TF/3552)	96.0	83.3	99.0	99.0	76.7	90.8
PPG-TF 231	90.7	96.3	99.0	99.0	69.0	90.8
FIRENZA II (PPG-TF 244)	93.7	93.0	99.0	99.0	68.7	90.7
PST-5GQ	93.0	83.0	99.0	99.0	79.3	90.7
BRAVO 2	83.0	92.7	99.0	99.0	79.3	90.6
KIZZLE (K18-ROE)	89.7	88.0	99.0	99.0	77.0	90.5
OG-WALK	92.0	86.3	97.7	99.0	77.3	90.5
PARAMOUNT	90.7	88.3	99.0	99.0	75.3	90.5
BAR-FA8230	90.7	93.3	99.0	99.0	69.7	90.3
DLFPS-321/3693	93.7	86.3	99.0	99.0	73.3	90.3

TABLE 23.
(CONT'D)

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	PA2	TN1	MEAN
HEMI	94.0	83.0	99.0	99.0	76.0	90.2
PPG-TF 312	94.3	88.3	99.0	99.0	70.3	90.2
ESCALADE	86.0	96.0	99.0	99.0	70.7	90.1
PADRE 2	91.7	91.3	99.0	99.0	69.7	90.1
PPG-TF 267	90.0	94.3	99.0	99.0	68.3	90.1
AST8118LM	89.3	90.7	99.0	99.0	72.3	90.1
DLFPS-321/3695	93.3	83.3	99.0	99.0	75.7	90.1
RDC	95.0	93.0	99.0	99.0	64.3	90.1
CAPITAN (DLFPS-321/3705)	88.0	83.0	99.0	98.7	81.3	90.0
TITANIUM G-LS (PPG-TF 255)	94.3	93.0	99.0	99.0	64.7	90.0
TANK (PPG-TF 338)	88.7	88.0	99.0	99.0	75.0	89.9
TEACHER (PPG-TF 313)	91.3	89.7	99.0	99.0	70.7	89.9
TRIAD (PPG-TF 323)	90.0	83.0	99.0	99.0	78.7	89.9
BGR-TF3	85.3	93.0	99.0	99.0	73.3	89.9
COPIOUS TF	91.0	89.7	99.0	99.0	70.7	89.9
ENDGAME (3N1)	92.0	84.7	99.0	99.0	74.7	89.9
RH3	93.0	91.3	99.0	99.0	66.3	89.7
FASTLANE (BY-TF-169)	95.3	86.3	99.0	99.0	68.7	89.7
ROVER (PPG-TF 306)	91.0	86.0	99.0	99.0	73.3	89.7
PST-5BYOB	88.7	95.7	99.0	99.0	65.7	89.6
SE5STAR	92.3	94.3	99.0	99.0	63.3	89.6
SR 8700 (TMT1)	91.7	83.0	99.0	99.0	75.3	89.6
DLFPS-321/3706	93.7	81.3	99.0	98.7	74.7	89.5
SYMPHONY (PPG-TF 305)	91.3	93.0	99.0	99.0	64.7	89.4
RAD-TF105	90.7	81.3	99.0	99.0	76.7	89.3
GALLARDO (DLFPS-TF/3550)	92.0	90.3	99.0	99.0	66.3	89.3
SPYDER 2LS (ZRC1)	90.0	91.3	99.0	99.0	67.3	89.3
RC4	93.0	83.3	99.0	99.0	72.0	89.3
BENTLEY (DLFPS-321/3679)	88.7	91.3	99.0	99.0	68.0	89.2
PST-5DC24	90.3	86.7	96.0	99.0	74.0	89.2
PPG-TF 337	92.7	86.3	99.0	99.0	68.7	89.1
LIFEGUARD	93.7	83.0	97.7	99.0	72.0	89.1
MOONDANCE GLX	91.7	94.7	99.0	99.0	61.0	89.1
DLFPS-TF/3553	93.3	80.0	99.0	99.0	74.0	89.1
BULLSEYE	90.0	86.3	99.0	99.0	69.7	88.8
TOUGH (NAI-TUE)	92.7	83.3	99.0	99.0	70.0	88.8
GALACTIC (SESCR1)	89.7	83.0	99.0	99.0	73.0	88.7
XANADU (JT 268)	93.3	87.0	99.0	99.0	65.3	88.7
BIRMINGHAM	88.0	88.3	97.7	99.0	70.3	88.7
DEGAS (LTP-TF-111)	94.7	76.7	97.7	99.0	75.3	88.7
MONUMENT (PST-5SQB)	95.7	81.7	99.0	99.0	67.7	88.6
ZION (BAR TF 134)	90.3	81.7	99.0	98.7	73.3	88.6
DLFPS-321/3694	89.7	73.3	99.0	99.0	81.7	88.5
PST-5E6	92.3	86.3	99.0	99.0	66.0	88.5
HOUND OG NINE (DLFPS-321/3702)	85.7	88.0	99.0	99.0	70.7	88.5
FIREHAWK SLT	90.7	80.0	99.0	99.0	73.3	88.4
JT 517	89.0	88.0	97.7	99.0	68.0	88.3

TABLE 23.
(CONT'D)

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	PA2	TN1	MEAN
RH1	90.7	92.7	99.0	99.0	60.3	88.3
DLFPS-321/3707	85.3	86.7	99.0	99.0	71.3	88.3
PST-5TRN	89.0	94.7	97.7	99.0	60.7	88.2
ESTRENA	93.3	79.7	99.0	99.0	69.7	88.1
OKEEFE (LTP-TF-122)	95.3	84.7	99.0	99.0	62.7	88.1
PPG-TF 318	90.7	89.3	99.0	99.0	62.7	88.1
FAYETTE	91.7	97.7	99.0	99.0	53.0	88.1
NAI-ST5	93.7	86.3	99.0	99.0	62.3	88.1
GO-RH20	92.7	89.7	99.0	99.0	59.7	88.0
PALOMAR	88.3	93.0	99.0	99.0	60.7	88.0
K18-RS6	94.0	71.3	99.0	99.0	76.0	87.9
NAI-ROS4	93.3	85.0	99.0	99.0	63.0	87.9
COL-TF-148	92.7	79.7	99.0	99.0	67.7	87.6
3B2	83.3	86.3	99.0	99.0	70.0	87.5
GO-AOMK	88.7	90.0	97.7	99.0	62.0	87.5
A-TF31	87.7	83.0	99.0	99.0	68.3	87.4
GRANDE 3	90.3	85.0	97.7	99.0	64.7	87.3
GRO-PRO (SE53D2)	91.3	90.0	99.0	99.0	57.3	87.3
PST-5MINK	86.3	90.0	99.0	99.0	62.0	87.3
NAI-FQZ-17	81.3	81.3	99.0	99.0	74.0	86.9
5LSS	95.3	66.3	99.0	99.0	74.0	86.7
PST-5MCMO	84.7	86.7	97.7	99.0	64.7	86.5
LBF	82.7	85.0	97.7	99.0	68.0	86.5
GRAND PRIX (FC15-01P)	91.3	78.3	99.0	99.0	63.7	86.3
RAPTOR III	83.0	78.0	99.0	99.0	71.7	86.1
JT 233	92.0	78.0	99.0	99.0	62.3	86.1
PPG-TF 316	90.3	84.7	99.0	99.0	57.0	86.0
TITAN MAX (TF456)	93.0	81.3	99.0	99.0	57.3	85.9
BULLSEYE LTZ	92.3	70.0	99.0	99.0	68.3	85.7
SETFM2	78.3	88.0	96.3	99.0	66.3	85.6
PST-5DZM	92.7	76.7	99.0	99.0	58.3	85.1
K18-NSE	93.0	60.0	99.0	99.0	74.0	85.0
SETFM3	76.7	83.3	99.0	99.0	66.3	84.9
RAD-TF131	78.0	74.7	99.0	99.0	72.7	84.7
AST8218LM	88.3	91.3	69.7	99.0	74.0	84.5
KENTUCKY-31	94.3	69.3	96.3	97.0	64.0	84.2
FAIRFIELD (SETF104)	89.0	71.7	99.0	99.0	56.0	82.9
RAD-TF115 (TURBO SS)	88.0	50.0	99.0	99.0	66.3	80.5
LSD VALUE	8.0	23.7	7.2	0.3	21.4	6.7
C.V. (%)	5.5	16.9	4.6	0.2	18.7	10.5

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

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

TABLE 24.

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

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/							
NAME	IA1	NJ2	OK1	ON1	PA2	TN1	MEAN
K18-WB1	99.0	99.0	99.0	99	99.0	95.0	98.3
KENTUCKY-31	99.0	99.0	99.0	99	98.7	95.0	98.3
HOUNDG NINE (DLFPS-321/3702)	98.7	99.0	99.0	99	99.0	94.7	98.2
CAPITAN (DLFPS-321/3705)	99.0	99.0	99.0	99	99.0	93.7	98.1
GO-AOMK	98.3	99.0	99.0	99	99.0	94.3	98.1
NT-3	99.0	99.0	99.0	99	99.0	93.7	98.1
TOUGH (NAI-TUE)	99.0	99.0	99.0	99	99.0	93.7	98.1
DYNAMITE G-LS (PPG-TF 254)	98.7	99.0	99.0	99	99.0	93.7	98.1
PST-5MCMO	99.0	99.0	99.0	99	99.0	93.3	98.1
DLFPS-321/3708	98.7	97.7	99.0	99	99.0	94.7	98.0
PST-5GQ	99.0	99.0	99.0	99	98.7	93.0	97.9
3B2	99.0	99.0	99.0	99	99.0	92.3	97.9
JT 233	98.0	99.0	97.7	99	99.0	94.7	97.9
PPG-TF 257	99.0	99.0	99.0	99	99.0	92.3	97.9
PST-5E6	99.0	99.0	97.7	99	99.0	93.7	97.9
PST-5GLBS	99.0	99.0	99.0	99	99.0	92.3	97.9
RH1	99.0	97.7	99.0	99	99.0	93.7	97.9
DAYBREAK (AH2)	99.0	99.0	99.0	99	99.0	92.0	97.8
BULLSEYE	98.3	99.0	99.0	99	99.0	92.7	97.8
DLFPS-321/3694	99.0	97.7	99.0	99	99.0	93.3	97.8
DLFPS-321/3703	99.0	99.0	97.7	99	99.0	93.3	97.8
ESTRENA	98.3	97.7	99.0	99	99.0	94.0	97.8
FIREHAWK SLT	99.0	99.0	99.0	99	99.0	92.0	97.8
PPG-TF 267	99.0	99.0	99.0	99	99.0	92.0	97.8
PST-5THM	98.7	99.0	99.0	99	99.0	92.3	97.8
PST-5TRN	98.7	99.0	99.0	99	99.0	92.3	97.8
ZION (BAR TF 134)	98.3	99.0	98.3	99	99.0	93.3	97.8
AVENGER III (PPG-TF 308)	98.7	97.7	99.0	99	99.0	93.3	97.8
PPG-TF 318	99.0	97.7	99.0	99	99.0	93.0	97.8
PPG-TF 312	99.0	99.0	99.0	99	99.0	91.7	97.8
RS1	99.0	99.0	99.0	99	99.0	91.7	97.8
BLADERUNNER 3 (DLFPS-321/3701)	98.7	97.7	99.0	99	99.0	93.0	97.7
DRAGSTER	98.3	97.7	99.0	99	99.0	93.3	97.7
FASTLANE (BY-TF-169)	98.7	99.0	99.0	99	99.0	91.7	97.7
FIRENZA II (PPG-TF 244)	99.0	97.7	99.0	99	99.0	92.7	97.7
GRAND PRIX (FC15-01P)	98.7	99.0	99.0	99	99.0	91.7	97.7
GRO-PRO (SE53D2)	98.3	97.7	99.0	99	99.0	93.3	97.7
HEMI	99.0	97.7	99.0	99	99.0	92.7	97.7
MONUMENT (PST-5SQB)	99.0	97.7	99.0	99	99.0	92.7	97.7
NAI-ST5	98.7	99.0	99.0	99	99.0	91.7	97.7
RC4	98.3	97.7	99.0	99	99.0	93.3	97.7
SPYDER 2LS (ZRC1)	99.0	95.0	99.0	99	99.0	95.3	97.7
TITAN GLX (TF445)	99.0	97.7	99.0	99	99.0	92.7	97.7
XANADU (JT 268)	99.0	99.0	99.0	99	99.0	91.3	97.7
AST8218LM	98.3	97.7	99.0	99	99.0	93.0	97.7
BULLSEYE LTZ	98.3	97.7	99.0	99	99.0	93.0	97.7
ESSENTIAL 2 (DLFPS-TF/3552)	99.0	97.7	99.0	99	98.7	92.7	97.7

TABLE 24.
(CONT'D)

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

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IA1	NJ2	OK1	ON1	PA2	TN1	MEAN
NAI-ROS4	99.0	99.0	99.0	99	99.0	91.0	97.7
PADRE 2	99.0	97.7	99.0	99	99.0	92.3	97.7
PALOMAR	98.3	97.7	99.0	99	99.0	93.0	97.7
PPG-TF 316	99.0	97.7	99.0	99	99.0	92.3	97.7
PRO GOLD	99.0	96.3	99.0	99	99.0	93.7	97.7
PST-5DZM	99.0	97.7	97.7	99	99.0	93.7	97.7
RACEWAY (DLFPS-321/3696)	98.3	99.0	99.0	99	99.0	91.7	97.7
RH3	98.3	96.3	99.0	99	99.0	94.3	97.7
STEALTH (PPG-TF 238)	98.7	99.0	99.0	99	99.0	91.3	97.7
TITANIUM G-LS (PPG-TF 255)	99.0	97.7	99.0	99	99.0	92.0	97.6
TALLADEGA II (NAI-3N2)	99.0	99.0	99.0	99	99.0	90.7	97.6
GO-RH20	99.0	99.0	99.0	99	99.0	90.3	97.6
NATURALLY GREEN	99.0	99.0	99.0	99	99.0	90.3	97.6
PPG-TF 337	99.0	97.7	99.0	99	99.0	91.7	97.6
ROVER (PPG-TF 306)	98.7	97.7	99.0	99	99.0	92.0	97.6
TANGO	98.3	99.0	97.7	99	99.0	92.3	97.6
BENTLEY (DLFPS-321/3679)	98.3	96.0	99.0	99	99.0	94.0	97.6
RAPTOR LS (PPG-TF 336)	99.0	96.3	99.0	99	99.0	93.0	97.6
TEACHER (PPG-TF 313)	98.3	99.0	96.0	99	99.0	94.0	97.6
AH1	99.0	99.0	99.0	99	99.0	90.0	97.5
BAR FA 8228	98.0	99.0	99.0	99	99.0	91.0	97.5
BONFIRE (JS DTT)	99.0	99.0	99.0	99	99.0	90.0	97.5
DLFPS-321/3693	99.0	95.0	99.0	99	99.0	94.0	97.5
MOONDANCE GLX	99.0	99.0	99.0	99	99.0	90.0	97.5
RHF	99.0	97.7	99.0	99	99.0	91.3	97.5
TANK (PPG-TF 338)	98.7	96.3	99.0	99	99.0	93.0	97.5
AST8118LM	96.3	99.0	99.0	99	99.0	92.3	97.4
DEGAS (LTP-TF-111)	99.0	96.3	99.0	99	99.0	92.3	97.4
DLFPS-321/3707	99.0	96.3	97.7	99	99.0	93.7	97.4
PPG-TF 249	98.7	96.3	99.0	99	99.0	92.7	97.4
PPG-TF 262	98.3	97.7	99.0	99	99.0	91.7	97.4
SYMPHONY (PPG-TF 305)	99.0	96.3	99.0	99	99.0	92.3	97.4
5LSS	99.0	99.0	96.0	99	99.0	92.3	97.4
BGR-TF3	98.0	97.7	99.0	99	98.7	92.0	97.4
FIRECRACKER G-LS (PPG-TF 315)	98.7	97.7	99.0	99	99.0	91.0	97.4
GLX ACED (PST-5DART)	99.0	97.7	99.0	99	99.0	90.7	97.4
KIZZLE (K18-ROE)	99.0	97.7	99.0	99	99.0	90.7	97.4
LIFEGUARD	99.0	97.7	97.7	99	99.0	92.0	97.4
SR 8700 (TMT1)	99.0	97.7	99.0	99	99.0	90.7	97.4
COPIOUS TF	98.7	94.7	99.0	99	99.0	93.7	97.3
NAI-FQZ-17	98.3	99.0	99.0	99	99.0	89.7	97.3
PST-5MINK	98.7	96.3	97.7	99	99.0	93.3	97.3
ROWDIER (DLFPS-321/3699)	99.0	96.3	99.0	99	99.0	91.7	97.3
TITAN MAX (TF456)	99.0	97.7	99.0	99	99.0	90.0	97.3
A-TF31	98.3	99.0	99.0	99	99.0	89.3	97.3
ATF1768	99.0	96.3	99.0	99	99.0	91.3	97.3
DLFPS-321/3695	98.0	96.3	97.7	99	99.0	93.7	97.3

TABLE 24.
(CONT'D)

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

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/							MEAN
	IA1	NJ2	OK1	ON1	PA2	TN1		
RDC	98.3	97.7	99.0	99	99.0	90.7	97.3	
JT 517	98.0	96.0	99.0	99	99.0	92.3	97.2	
K18-RS6	99.0	97.7	97.7	99	99.0	91.0	97.2	
RAPTOR III	99.0	97.7	97.7	99	99.0	91.0	97.2	
OG-WALK	98.3	99.0	99.0	99	99.0	89.0	97.2	
COL-TF-148	99.0	99.0	96.0	99	99.0	91.0	97.2	
DLFPS-321/3706	99.0	96.3	96.0	99	99.0	93.7	97.2	
DLFPS-TF/3553	98.7	96.3	99.0	99	99.0	91.0	97.2	
PARAMOUNT	96.3	99.0	99.0	99	99.0	90.7	97.2	
ENDGAME (3N1)	98.7	99.0	99.0	99	99.0	88.0	97.1	
FAIRFIELD (SETF104)	98.7	97.7	96.0	99	99.0	92.3	97.1	
RAD-TF105	98.7	99.0	94.7	99	99.0	92.3	97.1	
SETFM3	97.7	97.7	96.3	99	99.0	93.0	97.1	
ATF2116	98.7	96.3	99.0	99	99.0	90.7	97.1	
BAR 9FE MAS	98.0	96.3	99.0	99	99.0	91.3	97.1	
SETFM2	97.7	96.3	99.0	99	99.0	91.7	97.1	
BRAVO 2	98.0	95.0	99.0	99	99.0	92.3	97.1	
TRIAD (PPG-TF 323)	98.0	97.7	96.0	99	99.0	92.7	97.1	
LBF	98.0	94.7	99.0	99	99.0	92.3	97.0	
PST-5DC24	98.3	97.7	97.7	99	99.0	90.3	97.0	
TD2	99.0	96.3	99.0	99	99.0	89.7	97.0	
OKEEFE (LTP-TF-122)	99.0	97.7	99.0	99	99.0	88.0	96.9	
RHL2	98.7	96.3	97.7	99	99.0	91.0	96.9	
GALLARDO (DLFPS-TF/3550)	98.3	97.7	99.0	99	99.0	88.3	96.9	
PST-5BYOB	98.7	99.0	99.0	99	99.0	86.7	96.9	
ESCALADE	96.3	96.0	99.0	99	99.0	91.7	96.8	
PPG-TF 231	99.0	97.7	99.0	99	99.0	87.0	96.8	
K18-NSE	99.0	96.3	93.0	99	99.0	94.3	96.8	
BAR-FA8230	98.7	97.7	99.0	99	99.0	86.3	96.6	
SERENADE (PPG-TF 320)	98.7	97.7	99.0	99	99.0	86.3	96.6	
FAYETTE	98.3	96.3	99.0	99	99.0	88.0	96.6	
BIRMINGHAM	97.0	96.0	99.0	99	99.0	89.3	96.6	
BANDIT	98.3	96.3	99.0	99	99.0	85.7	96.2	
GRANDE 3	99.0	97.7	99.0	99	99.0	83.3	96.2	
SE5STAR	98.7	97.7	89.3	99	99.0	92.7	96.1	
GALACTIC (SESCR1)	99.0	96.3	99.0	99	99.0	83.7	96.0	
RAD-TF131	97.7	96.3	89.7	99	99.0	92.3	95.7	
RAD-TF115 (TURBO SS)	98.3	96.0	79.7	99	99.0	91.3	93.9	
LSD VALUE	1.3	3.3	5.1	0	0.2	6.0	1.4	
C.V. (%)	0.8	2.1	3.2	0	0.1	4.1	2.3	

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 25.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	MS1	NAME	MS1	NAME	MS1
GRANDE 3	6.7	LIFEGUARD	6.0	TEACHER (PPG-TF 313)	6.0
3B2	6.0	MONUMENT (PST-5SQB)	6.0	TITAN GLX (TF445)	6.0
A-TF31	6.0	MOONDANCE GLX	6.0	TITAN MAX (TF456)	6.0
AH1	6.0	NAI-ROS4	6.0	TRIAD (PPG-TF 323)	6.0
DAYBREAK (AH2)	6.0	NAI-ST5	6.0	XANADU (JT 268)	6.0
AVENGER III (PPG-TF 308)	6.0	NATURALLY GREEN	6.0	ZION (BAR TF 134)	6.0
BANDIT	6.0	OKEEFE (LTP-TF-122)	6.0	5LSS	5.7
BAR 9FE MAS	6.0	PADRE 2	6.0	AST8118LM	5.7
BAR-FA8230	6.0	PALOMAR	6.0	AST8218LM	5.7
BENTLEY (DLFPS-321/3679)	6.0	PARAMOUNT	6.0	ATF1768	5.7
BLADERUNNER 3 (DLFPS-321/3701)	6.0	PPG-TF 231	6.0	ATF2116	5.7
BONFIRE (JS DTT)	6.0	PPG-TF 249	6.0	BAR FA 8228	5.7
BULLSEYE	6.0	PPG-TF 257	6.0	BGR-TF3	5.7
BULLSEYE LTZ	6.0	PPG-TF 262	6.0	BIRMINGHAM	5.7
CAPITAN (DLFPS-321/3705)	6.0	PPG-TF 267	6.0	COPIOUS TF	5.7
COL-TF-148	6.0	PPG-TF 312	6.0	DYNAMITE G-LS (PPG-TF 254)	5.7
DEGAS (LTP-TF-111)	6.0	PPG-TF 318	6.0	GO-RH20	5.7
DLFPS-321/3693	6.0	PPG-TF 337	6.0	HEMI	5.7
DLFPS-321/3694	6.0	PRO GOLD	6.0	JT 233	5.7
DLFPS-321/3695	6.0	PST-5BYOB	6.0	K18-RS6	5.7
DLFPS-321/3703	6.0	PST-5E6	6.0	KENTUCKY-31	5.7
DLFPS-321/3706	6.0	PST-5GLBS	6.0	LBF	5.7
DLFPS-321/3707	6.0	PST-5GQ	6.0	OG-WALK	5.7
DLFPS-TF/3553	6.0	PST-5MCMO	6.0	PPG-TF 316	5.7
DRAGSTER	6.0	PST-5MINK	6.0	PST-5DC24	5.7
ENDGAME (3N1)	6.0	PST-5THM	6.0	SE5STAR	5.7
ESCALADE	6.0	PST-5TRN	6.0	SETFM2	5.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	RACEWAY (DLFPS-321/3696)	6.0	SYMPHONY (PPG-TF 305)	5.7
ESTRENA	6.0	RAPTOR III	6.0	TANGO	5.7
FAIRFIELD (SETF104)	6.0	RAPTOR LS (PPG-TF 336)	6.0	TITANIUM G-LS (PPG-TF 255)	5.7
FASTLANE (BY-TF-169)	6.0	RC4	6.0	GO-AOMK	5.3
FAYETTE	6.0	RH1	6.0	NAI-FQZ-17	5.3
FIRECRACKER G-LS (PPG-TF 315)	6.0	RHF	6.0	NT-3	5.3
FIREHAWK SLT	6.0	RHL2	6.0	PST-5DZM	5.3
FIRENZA II (PPG-TF 244)	6.0	ROVER (PPG-TF 306)	6.0	RAD-TF105	5.3
GALACTIC (SESCR1)	6.0	ROWDIER (DLFPS-321/3699)	6.0	RAD-TF115 (TURBO SS)	5.3
GALLARDO (DLFPS-TF/3550)	6.0	RS1	6.0	RDC	5.3
GLX ACED (PST-5DART)	6.0	SERENADE (PPG-TF 320)	6.0	RH3	5.3
GRAND PRIX (FC15-01P)	6.0	SETFM3	6.0	TOUGH (NAI-TUE)	5.3
GRO-PRO (SE53D2)	6.0	SPYDER 2LS (ZRC1)	6.0	BRAVO 2	5.0
HOUNDG NINE (DLFPS-321/3702)	6.0	SR 8700 (TMT1)	6.0	DLFPS-321/3708	5.0
JT 517	6.0	STEALTH (PPG-TF 238)	6.0	RAD-TF131	5.0
K18-NSE	6.0	TALLADEGA II (NAI-3N2)	6.0		
K18-WB1	6.0	TANK (PPG-TF 338)	6.0	LSD VALUE	0.5
KIZZLE (K18-ROE)	6.0	TD2	6.0	C.V. (%)	5.0

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

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

TABLE 26.

 TYPHULA BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
 2021 DATA

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

NAME	PA2	NAME	PA2	NAME	PA2
A-TF31	8.7	NATURALLY GREEN	4.7	TALLADEGA II (NAI-3N2)	3.3
DLFPS-321/3694	7.3	PPG-TF 312	4.7	TANGO	3.3
PST-5DZM	7.3	TRIAD (PPG-TF 323)	4.7	BAR 9FE MAS	3.0
AST8118LM	7.0	BGR-TF3	4.3	ESSENTIAL 2 (DLFPS-TF/3552)	3.0
JT 233	7.0	BLADERUNNER 3 (DLFPS-321/3701)	4.3	GALACTIC (SESCR1)	3.0
NT-3	7.0	DLFPS-321/3693	4.3	GLX ACED (PST-5DART)	3.0
PARAMOUNT	7.0	NAI-ROS4	4.3	LBF	3.0
RAD-TF115 (TURBO SS)	7.0	PALOMAR	4.3	NAI-ST5	3.0
AST8218LM	6.7	PST-5GQ	4.3	OG-WALK	3.0
BULLSEYE LTZ	6.7	RAPTOR III	4.3	PPG-TF 337	3.0
SETFM2	6.7	SE5STAR	4.3	RHF	3.0
PADRE 2	6.3	SERENADE (PPG-TF 320)	4.3	RS1	3.0
RAD-TF131	6.3	SR 8700 (TMT1)	4.3	TANK (PPG-TF 338)	3.0
COL-TF-148	6.0	TITANIUM G-LS (PPG-TF 255)	4.3	BONFIRE (JS DTT)	2.7
COPIOUS TF	6.0	XANADU (JT 268)	4.3	DYNAMITE G-LS (PPG-TF 254)	2.7
HEMI	6.0	BULLSEYE	4.0	FIREHAWK SLT	2.7
MOONDANCE GLX	6.0	DLFPS-321/3703	4.0	K18-RS6	2.7
PRO GOLD	6.0	FASTLANE (BY-TF-169)	4.0	PPG-TF 267	2.7
RC4	6.0	FAYETTE	4.0	RHL2	2.7
ATF2116	5.7	HOUNDOG NINE (DLFPS-321/3702)	4.0	AH1	2.3
BANDIT	5.7	LIFEGUARD	4.0	BIRMINGHAM	2.3
DEGAS (LTP-TF-111)	5.7	PST-5DC24	4.0	DLFPS-321/3706	2.3
GO-AOMK	5.7	PST-5TRN	4.0	NAI-FQZ-17	2.3
KIZZLE (K18-ROE)	5.7	SYMPHONY (PPG-TF 305)	4.0	PPG-TF 262	2.3
MONUMENT (PST-5SQB)	5.7	TD2	4.0	RAD-TF105	2.3
OKEEFE (LTP-TF-122)	5.7	ZION (BAR TF 134)	4.0	RAPTOR LS (PPG-TF 336)	2.3
ROVER (PPG-TF 306)	5.7	3B2	3.7	ROWDIER (DLFPS-321/3699)	2.3
ESCALADE	5.3	5LSS	3.7	TITAN MAX (TF456)	2.3
ESTRENA	5.3	DAYBREAK (AH2)	3.7	ATF1768	2.0
GRANDE 3	5.3	BAR-FA8230	3.7	GALLARDO (DLFPS-TF/3550)	2.0
PST-5MINK	5.3	DLFPS-TF/3553	3.7	K18-WB1	2.0
PST-5THM	5.3	DRAGSTER	3.7	PPG-TF 318	2.0
TOUGH (NAI-TUE)	5.3	ENDGAME (3N1)	3.7	PST-5BYOB	2.0
JT 517	5.0	K18-NSE	3.7	RH1	2.0
PPG-TF 316	5.0	PPG-TF 249	3.7	RH3	2.0
PST-5E6	5.0	PST-5GLBS	3.7	SPYDER 2LS (ZRC1)	2.0
RDC	5.0	RACEWAY (DLFPS-321/3696)	3.7	TEACHER (PPG-TF 313)	2.0
SETFM3	5.0	BENTLEY (DLFPS-321/3679)	3.3	BRAVO 2	1.7
STEALTH (PPG-TF 238)	5.0	FAIRFIELD (SETF104)	3.3	DLFPS-321/3707	1.7
TITAN GLX (TF445)	5.0	FIRECRACKER G-LS (PPG-TF 315)	3.3	KENTUCKY-31	1.7
AVENGER III (PPG-TF 308)	4.7	FIRENZA II (PPG-TF 244)	3.3	PPG-TF 231	1.7
BAR FA 8228	4.7	GO-RH20	3.3	DLFPS-321/3708	1.3
CAPITAN (DLFPS-321/3705)	4.7	GRAND PRIX (FC15-01P)	3.3		
DLFPS-321/3695	4.7	PPG-TF 257	3.3	LSD VALUE	3.9
GRO-PRO (SE53D2)	4.7	PST-5MCMO	3.3	C.V. (%)	58.7

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 27.

RED THREAD RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	MO1	NAME	MO1	NAME	MO1
3B2	9.0	JT 233	9.0	RH1	9.0
A-TF31	9.0	JT 517	9.0	RH3	9.0
AH1	9.0	K18-NSE	9.0	RHF	9.0
AST8118LM	9.0	K18-RS6	9.0	RHL2	9.0
AST8218LM	9.0	K18-WB1	9.0	ROVER (PPG-TF 306)	9.0
ATF1768	9.0	KENTUCKY-31	9.0	RS1	9.0
ATF2116	9.0	KIZZLE (K18-ROE)	9.0	SE5STAR	9.0
BANDIT	9.0	LIFEGUARD	9.0	SERENADE (PPG-TF 320)	9.0
BAR 9FE MAS	9.0	MONUMENT (PST-5SQB)	9.0	SETFM2	9.0
BAR-FA8230	9.0	MOONDANCE GLX	9.0	SETFM3	9.0
BENTLEY (DLFPS-321/3679)	9.0	NAI-FQZ-17	9.0	SPYDER 2LS (ZRC1)	9.0
BIRMINGHAM	9.0	NAI-ROS4	9.0	SR 8700 (TMT1)	9.0
BLADERUNNER 3 (DLFPS-321/3701)	9.0	NAI-ST5	9.0	STEALTH (PPG-TF 238)	9.0
BONFIRE (JS DTT)	9.0	NATURALLY GREEN	9.0	SYMPHONY (PPG-TF 305)	9.0
BRAVO 2	9.0	NT-3	9.0	TALLADEGA II (NAI-3N2)	9.0
BULLSEYE	9.0	OG-WALK	9.0	TANGO	9.0
CAPITAN (DLFPS-321/3705)	9.0	OKEEFE (LTP-TF-122)	9.0	TD2	9.0
COL-TF-148	9.0	PADRE 2	9.0	TITAN GLX (TF445)	9.0
COPIOUS TF	9.0	PALOMAR	9.0	TITAN MAX (TF456)	9.0
DEGAS (LTP-TF-111)	9.0	PARAMOUNT	9.0	TOUGH (NAI-TUE)	9.0
DLFPS-321/3693	9.0	PPG-TF 231	9.0	TRIAD (PPG-TF 323)	9.0
DLFPS-321/3694	9.0	PPG-TF 249	9.0	XANADU (JT 268)	9.0
DLFPS-321/3695	9.0	PPG-TF 262	9.0	ZION (BAR TF 134)	9.0
DLFPS-321/3703	9.0	PPG-TF 267	9.0	DAYBREAK (AH2)	8.7
DLFPS-321/3706	9.0	PPG-TF 312	9.0	AVENGER III (PPG-TF 308)	8.7
DLFPS-321/3707	9.0	PPG-TF 316	9.0	BAR FA 8228	8.7
DLFPS-321/3708	9.0	PPG-TF 318	9.0	FAYETTE	8.7
DLFPS-TF/3553	9.0	PPG-TF 337	9.0	GALLARDO (DLFPS-TF/3550)	8.7
ENDGAME (3N1)	9.0	PRO GOLD	9.0	GRAND PRIX (FC15-01P)	8.7
ESCALADE	9.0	PST-5BYOB	9.0	PPG-TF 257	8.7
ESSENTIAL 2 (DLFPS-TF/3552)	9.0	PST-5DC24	9.0	PST-5E6	8.7
ESTRENA	9.0	PST-5DZM	9.0	ROWDIER (DLFPS-321/3699)	8.7
FAIRFIELD (SETF104)	9.0	PST-5GLBS	9.0	TANK (PPG-TF 338)	8.7
FASTLANE (BY-TF-169)	9.0	PST-5GQ	9.0	TEACHER (PPG-TF 313)	8.7
FIRECRACKER G-LS (PPG-TF 315)	9.0	PST-5MCMO	9.0	TITANIUM G-LS (PPG-TF 255)	8.7
FIREHAWK SLT	9.0	PST-5MINK	9.0	5LSS	8.3
FIRENZA II (PPG-TF 244)	9.0	PST-5THM	9.0	BULLSEYE LTZ	8.3
GALACTIC (SESCR1)	9.0	PST-5TRN	9.0	DRAGSTER	8.3
GLX ACED (PST-5DART)	9.0	RACEWAY (DLFPS-321/3696)	9.0	DYNAMITE G-LS (PPG-TF 254)	8.3
GO-AOMK	9.0	RAD-TF105	9.0	LBF	8.3
GO-RH20	9.0	RAD-TF131	9.0	RAD-TF115 (TURBO SS)	8.3
GRANDE 3	9.0	RAPTOR I II	9.0	BGR-TF3	8.0
GRO-PRO (SE53D2)	9.0	RAPTOR LS (PPG-TF 336)	9.0		
HEMI	9.0	RC4	9.0	LSD VALUE	0.5
HOUNDG NINE (DLFPS-321/3702)	9.0	RDC	9.0	C.V. (%)	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 28.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/				
NAME	DE1	NC1	VA1	MEAN
CAPITAN (DLFPS-321/3705)	7.7	7.7	6.7	7.3
TD2	6.7	7.7	6.3	6.9
TITAN GLX (TF445)	6.3	7.3	7.0	6.9
DAYBREAK (AH2)	7.7	7.0	5.7	6.8
BULLSEYE LTZ	6.0	7.7	6.7	6.8
TITANIUM G-LS (PPG-TF 255)	6.7	7.7	6.0	6.8
SERENADE (PPG-TF 320)	6.3	7.3	6.7	6.8
COL-TF-148	6.3	7.0	6.7	6.7
TANK (PPG-TF 338)	6.3	7.3	6.3	6.7
AH1	7.0	7.7	5.0	6.6
RH3	6.7	7.0	6.0	6.6
BLADERUNNER 3 (DLFPS-321/3701)	6.3	6.3	7.0	6.6
GO-RH20	7.0	7.3	5.3	6.6
ROVER (PPG-TF 306)	6.0	7.3	6.3	6.6
ZION (BAR TF 134)	6.3	7.0	6.3	6.6
BONFIRE (JS DTT)	6.7	6.7	6.0	6.4
DEGAS (LTP-TF-111)	6.7	6.0	6.7	6.4
PPG-TF 249	6.7	6.7	6.0	6.4
RAPTOR LS (PPG-TF 336)	7.0	5.7	6.7	6.4
DLFPS-321/3695	7.0	6.3	6.0	6.4
RH1	6.3	7.7	5.3	6.4
TITAN MAX (TF456)	6.7	7.3	5.3	6.4
TRIAD (PPG-TF 323)	5.7	7.3	6.3	6.4
DLFPS-321/3708	6.3	6.3	6.3	6.3
K18-WB1	6.3	7.3	5.3	6.3
NAI-ROS4	6.7	6.7	5.7	6.3
PPG-TF 316	6.3	6.7	6.0	6.3
RHL2	6.0	6.7	6.3	6.3
3B2	6.7	7.0	5.0	6.2
DLFPS-321/3707	5.7	7.3	5.7	6.2
DRAGSTER	6.3	6.7	5.7	6.2
FASTLANE (BY-TF-169)	6.3	5.7	6.7	6.2
GALACTIC (SESCR1)	6.0	6.7	6.0	6.2
KIZZLE (K18-ROE)	5.7	7.0	6.0	6.2
PPG-TF 231	6.0	7.0	5.7	6.2
PPG-TF 262	6.7	6.7	5.3	6.2
RDC	6.7	6.3	5.7	6.2
DYNAMITE G-LS (PPG-TF 254)	6.3	7.0	5.3	6.2
PST-5E6	6.0	6.3	6.3	6.2
DLFPS-321/3703	6.7	6.0	5.7	6.1
SPYDER 2LS (ZRC1)	6.7	5.7	6.0	6.1
5LSS	5.7	6.3	6.3	6.1
DLFPS-321/3693	6.3	6.3	5.7	6.1
FIRECRACKER G-LS (PPG-TF 315)	6.3	6.3	5.7	6.1
HEMI	6.0	6.0	6.3	6.1
HOUNDOG NINE (DLFPS-321/3702)	6.0	6.0	6.3	6.1

TABLE 28.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	DE1	NC1	VA1	MEAN
NT-3	6.3	5.7	6.3	6.1
PPG-TF 318	5.0	7.0	6.3	6.1
PPG-TF 337	6.0	6.3	6.0	6.1
ROWDIER (DLFPS-321/3699)	5.3	7.3	5.7	6.1
DLFPS-321/3694	6.7	6.0	5.3	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	6.0	6.0	6.0
MOONDANCE GLX	6.3	6.3	5.3	6.0
OKEEFE (LTP-TF-122)	6.0	5.7	6.3	6.0
PARAMOUNT	6.7	5.7	5.7	6.0
PST-5GLBS	6.3	6.0	5.7	6.0
PST-5TRN	7.0	5.3	5.7	6.0
RHF	6.3	5.7	6.0	6.0
SR 8700 (TMT1)	6.3	6.0	5.7	6.0
STEALTH (PPG-TF 238)	6.3	6.0	5.7	6.0
K18-NSE	6.7	4.7	6.3	5.9
PPG-TF 312	6.7	4.3	6.7	5.9
PST-5BYOB	5.3	7.7	4.7	5.9
PST-5THM	5.7	7.0	5.0	5.9
RACEWAY (DLFPS-321/3696)	6.0	5.7	6.0	5.9
FIRENZA II (PPG-TF 244)	5.3	6.3	6.0	5.9
LIFEGUARD	6.0	6.3	5.3	5.9
RC4	6.0	7.3	4.3	5.9
TALLADEGA II (NAI-3N2)	6.3	6.3	5.0	5.9
AVENGER III (PPG-TF 308)	6.7	5.7	5.0	5.8
BENTLEY (DLFPS-321/3679)	6.7	5.0	5.7	5.8
RAPTOR III	6.0	5.7	5.7	5.8
ATF1768	5.3	5.7	6.3	5.8
DLFPS-321/3706	5.3	6.3	5.7	5.8
PPG-TF 257	5.3	6.7	5.3	5.8
RS1	5.3	5.7	6.3	5.8
DLFPS-TF/3553	5.7	5.0	6.3	5.7
FAIRFIELD (SETF104)	5.0	6.0	6.0	5.7
GALLARDO (DLFPS-TF/3550)	5.7	5.7	5.7	5.7
GRANDE 3	6.0	6.0	5.0	5.7
GRO-PRO (SE53D2)	6.3	6.3	4.3	5.7
K18-RS6	6.0	6.3	4.7	5.7
NAI-ST5	5.7	6.0	5.3	5.7
PPG-TF 267	5.7	6.7	4.7	5.7
PST-5GQ	6.3	5.7	5.0	5.7
TEACHER (PPG-TF 313)	6.3	5.3	5.3	5.7
TOUGH (NAI-TUE)	5.3	7.0	4.7	5.7
KENTUCKY-31	5.0	6.7	5.0	5.6
MONUMENT (PST-5SQB)	6.0	6.0	4.7	5.6
PST-5MCMO	5.7	5.7	5.3	5.6
ENDGAME (3N1)	5.0	6.3	5.3	5.6
JT 233	6.3	5.3	5.0	5.6
PST-5DC24	5.3	6.0	5.3	5.6

TABLE 28.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/				
NAME	DE1	NC1	VA1	MEAN
SYMPHONY (PPG-TF 305)	5.0	6.3	5.3	5.6
XANADU (JT 268)	6.3	6.0	4.3	5.6
BAR-FA8230	5.3	5.0	6.0	5.4
ESTRENA	6.0	5.3	5.0	5.4
FIREHAWK SLT	5.0	6.0	5.3	5.4
JT 517	5.0	5.3	6.0	5.4
SE5STAR	5.3	6.7	4.3	5.4
ATF2116	5.7	5.7	4.7	5.3
PRO GOLD	5.7	5.7	4.7	5.3
PADRE 2	6.3	5.3	4.0	5.2
BULLSEYE	5.0	6.3	4.3	5.2
GLX ACED (PST-5DART)	5.7	4.7	5.0	5.1
LBF	6.3	4.7	4.3	5.1
SETFM3	5.0	5.3	5.0	5.1
PST-5MINK	5.0	5.0	5.0	5.0
FAYETTE	6.0	4.7	4.0	4.9
RAD-TF105	5.0	5.0	4.7	4.9
AST8118LM	5.0	5.3	4.3	4.9
BIRMINGHAM	5.3	4.3	5.0	4.9
BAR FA 8228	5.3	4.3	4.7	4.8
BRAVO 2	4.7	5.7	4.0	4.8
NATURALLY GREEN	5.7	4.7	4.0	4.8
PST-5DZM	4.7	4.3	5.3	4.8
RAD-TF115 (TURBO SS)	4.3	4.3	5.7	4.8
AST8218LM	5.0	4.7	4.3	4.7
BAR 9FE MAS	4.7	5.0	4.3	4.7
BGR-TF3	6.0	4.0	4.0	4.7
ESCALADE	4.3	5.7	4.0	4.7
A-TF31	4.0	5.7	4.0	4.6
GO-AOMK	5.0	5.3	3.3	4.6
NAI-FQZ-17	4.3	4.3	5.0	4.6
BANDIT	5.0	4.3	4.0	4.4
COPIOUS TF	5.0	4.0	4.3	4.4
GRAND PRIX (FC15-01P)	4.3	4.7	4.3	4.4
OG-WALK	4.3	5.3	3.3	4.3
PALOMAR	4.7	4.7	3.7	4.3
TANGO	4.3	4.0	4.7	4.3
RAD-TF131	4.3	3.7	4.3	4.1
SETFM2	4.0	4.7	3.3	4.0
LSD VALUE	1.4	1.9	1.7	1.0
C.V. (%)	14.6	19.2	19.6	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 29.

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1	OK1	MEAN
DRAGSTER	9.0	7.7	8.3
KENTUCKY-31	9.0	7.7	8.3
BULLSEYE	9.0	7.0	8.0
PPG-TF 249	9.0	7.0	8.0
PPG-TF 257	8.7	7.3	8.0
SE5STAR	9.0	7.0	8.0
GALACTIC (SESCR1)	9.0	6.7	7.8
MOONDANCE GLX	9.0	6.7	7.8
NAI-FQZ-17	9.0	6.7	7.8
PST-5TRN	8.7	7.0	7.8
FAYETTE	8.3	7.0	7.7
GO-RH20	8.3	7.0	7.7
RDC	8.3	7.0	7.7
3B2	9.0	6.3	7.7
COPIOUS TF	9.0	6.3	7.7
GO-AOMK	9.0	6.3	7.7
GRO-PRO (SE53D2)	8.7	6.7	7.7
LBF	9.0	6.3	7.7
PPG-TF 231	9.0	6.3	7.7
PST-5BYOB	9.0	6.3	7.7
SERENADE (PPG-TF 320)	8.7	6.7	7.7
TALLADEGA II (NAI-3N2)	9.0	6.3	7.7
TANGO	9.0	6.3	7.7
XANADU (JT 268)	8.0	7.3	7.7
AST8218LM	8.7	6.3	7.5
BAR 9FE MAS	9.0	6.0	7.5
BAR FA 8228	9.0	6.0	7.5
DLFPS-321/3693	8.7	6.3	7.5
DYNAMITE G-LS (PPG-TF 254)	8.3	6.7	7.5
ESCALADE	9.0	6.0	7.5
ESTRENA	9.0	6.0	7.5
KIZZLE (K18-ROE)	9.0	6.0	7.5
LIFEGUARD	9.0	6.0	7.5
NATURALLY GREEN	9.0	6.0	7.5
PADRE 2	9.0	6.0	7.5
PPG-TF 318	8.3	6.7	7.5
STEALTH (PPG-TF 238)	8.0	7.0	7.5
SYMPHONY (PPG-TF 305)	8.0	7.0	7.5
ATF2116	9.0	5.7	7.3
BANDIT	9.0	5.7	7.3
GALLARDO (DLFPS-TF/3550)	8.3	6.3	7.3
PPG-TF 267	8.0	6.7	7.3
PPG-TF 316	9.0	5.7	7.3
PST-5GLBS	7.7	7.0	7.3
PST-5GQ	9.0	5.7	7.3
PST-5MINK	9.0	5.7	7.3

TABLE 29.
(CONT'D)

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1	OK1	MEAN
TOUGH (NAI-TUE)	9.0	5.7	7.3
ATF1768	8.7	6.0	7.3
DLFPS-321/3695	8.7	6.0	7.3
RAD-TF131	8.7	6.0	7.3
AH1	8.3	6.0	7.2
CAPITAN (DLFPS-321/3705)	8.3	6.0	7.2
DLFPS-321/3706	8.3	6.0	7.2
GLX ACED (PST-5DART)	8.3	6.0	7.2
NAI-ROS4	8.3	6.0	7.2
RH3	8.3	6.0	7.2
TEACHER (PPG-TF 313)	8.3	6.0	7.2
AST8118LM	9.0	5.3	7.2
BAR-FA8230	9.0	5.3	7.2
BENTLEY (DLFPS-321/3679)	8.7	5.7	7.2
BGR-TF3	8.7	5.7	7.2
ESSENTIAL 2 (DLFPS-TF/3552)	9.0	5.3	7.2
FIRECRACKER G-LS (PPG-TF 315)	8.7	5.7	7.2
GRANDE 3	9.0	5.3	7.2
HOUNDOG NINE (DLFPS-321/3702)	8.7	5.7	7.2
JT 517	8.7	5.7	7.2
OG-WALK	9.0	5.3	7.2
PALOMAR	9.0	5.3	7.2
PRO GOLD	8.7	5.7	7.2
PST-5DC24	9.0	5.3	7.2
RAD-TF105	9.0	5.3	7.2
RHL2	7.0	7.3	7.2
SR 8700 (TMT1)	9.0	5.3	7.2
ZION (BAR TF 134)	9.0	5.3	7.2
BRAVO 2	9.0	5.0	7.0
COL-TF-148	8.7	5.3	7.0
DEGAS (LTP-TF-111)	9.0	5.0	7.0
DLFPS-321/3703	9.0	5.0	7.0
ENDGAME (3N1)	8.7	5.3	7.0
FAIRFIELD (SETF104)	9.0	5.0	7.0
GRAND PRIX (FC15-01P)	9.0	5.0	7.0
PPG-TF 262	8.3	5.7	7.0
PST-5E6	9.0	5.0	7.0
PST-5THM	8.3	5.7	7.0
RAPTOR LS (PPG-TF 336)	8.3	5.7	7.0
RH1	8.3	5.7	7.0
RHF	7.7	6.3	7.0
ROWDIER (DLFPS-321/3699)	8.0	6.0	7.0
DAYBREAK (AH2)	7.7	6.0	6.8
BIRMINGHAM	9.0	4.7	6.8
BLADERUNNER 3 (DLFPS-321/3701)	7.7	6.0	6.8
BONFIRE (JS DTT)	8.0	5.7	6.8
DLFPS-321/3707	8.0	5.7	6.8

TABLE 29.
(CONT'D)

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	IN1	OK1	MEAN
DLFPS-TF/3553	8.0	5.7	6.8
HEMI	8.3	5.3	6.8
JT 233	9.0	4.7	6.8
NAI-ST5	8.3	5.3	6.8
RAPTOR III	8.0	5.7	6.8
ROVER (PPG-TF 306)	7.7	6.0	6.8
SETFM2	9.0	4.7	6.8
TITAN MAX (TF456)	8.3	5.3	6.8
FIRENZA II (PPG-TF 244)	7.3	6.3	6.8
PPG-TF 337	7.3	6.3	6.8
TANK (PPG-TF 338)	8.7	5.0	6.8
FASTLANE (BY-TF-169)	7.7	5.7	6.7
K18-WB1	7.7	5.7	6.7
RACEWAY (DLFPS-321/3696)	8.3	5.0	6.7
TD2	6.7	6.7	6.7
TITAN GLX (TF445)	7.7	5.7	6.7
A-TF31	8.7	4.7	6.7
AVENGER III (PPG-TF 308)	7.3	6.0	6.7
OKEEFE (LTP-TF-122)	7.3	6.0	6.7
PARAMOUNT	8.0	5.3	6.7
PST-5DZM	8.7	4.7	6.7
RS1	8.0	5.3	6.7
SETFM3	8.0	5.3	6.7
BULLSEYE LTZ	8.7	4.3	6.5
K18-RS6	7.7	5.3	6.5
MONUMENT (PST-5SQB)	9.0	4.0	6.5
TITANIUM G-LS (PPG-TF 255)	7.7	5.3	6.5
TRIAD (PPG-TF 323)	8.3	4.7	6.5
DLFPS-321/3708	8.0	4.7	6.3
FIREHAWK SLT	8.0	4.7	6.3
PPG-TF 312	7.0	5.7	6.3
PST-5MCMO	7.7	5.0	6.3
RC4	7.7	5.0	6.3
NT-3	7.3	5.3	6.3
DLFPS-321/3694	7.7	4.7	6.2
RAD-TF115 (TURBO SS)	7.3	5.0	6.2
SPYDER 2LS (ZRC1)	7.0	5.3	6.2
K18-NSE	7.7	4.0	5.8
5LSS	7.3	4.0	5.7
LSD VALUE	1.9	2.3	1.5
C.V. (%)	13.9	24.6	18.3

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 30.

BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	MO1	PA2	MEAN
A-TF31	9	9.0	9.0
BIRMINGHAM	9	9.0	9.0
ENDGAME (3N1)	9	9.0	9.0
KIZZLE (K18-ROE)	9	9.0	9.0
PARAMOUNT	9	9.0	9.0
TALLADEGA II (NAI-3N2)	9	9.0	9.0
AST8218LM	9	8.7	8.8
ATF2116	9	8.7	8.8
BAR FA 8228	9	8.7	8.8
BULLSEYE	9	8.7	8.8
COPIOUS TF	9	8.7	8.8
DLFPS-321/3695	9	8.7	8.8
ESCALADE	9	8.7	8.8
JT 233	9	8.7	8.8
JT 517	9	8.7	8.8
MOONDANCE GLX	9	8.7	8.8
PALOMAR	9	8.7	8.8
RHF	9	8.7	8.8
SYMPHONY (PPG-TF 305)	9	8.7	8.8
TANGO	9	8.7	8.8
FAYETTE	9	8.3	8.7
FIRENZA II (PPG-TF 244)	9	8.3	8.7
GLX ACED (PST-5DART)	9	8.3	8.7
GO-AOMK	9	8.3	8.7
MONUMENT (PST-5SQB)	9	8.3	8.7
NAI-FQZ-17	9	8.3	8.7
NAI-ROS4	9	8.3	8.7
OKEEFE (LTP-TF-122)	9	8.3	8.7
PADRE 2	9	8.3	8.7
PPG-TF 262	9	8.3	8.7
PST-5BYOB	9	8.3	8.7
PST-5DC24	9	8.3	8.7
XANADU (JT 268)	9	8.3	8.7
3B2	9	8.0	8.5
AST8118LM	9	8.0	8.5
BLADERUNNER 3 (DLFPS-321/3701)	9	8.0	8.5
COL-TF-148	9	8.0	8.5
DRAGSTER	9	8.0	8.5
ESTRENA	9	8.0	8.5
GALLARDO (DLFPS-TF/3550)	9	8.0	8.5
GO-RH20	9	8.0	8.5
GRAND PRIX (FC15-01P)	9	8.0	8.5
LIFEGUARD	9	8.0	8.5
NATURALLY GREEN	9	8.0	8.5
OG-WALK	9	8.0	8.5
PST-5GLBS	9	8.0	8.5

TABLE 30.
(CONT'D)

BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	MO1	PA2	MEAN
PST-5GQ	9	8.0	8.5
PST-5MINK	9	8.0	8.5
RACEWAY (DLFPS-321/3696)	9	8.0	8.5
RC4	9	8.0	8.5
RDC	9	8.0	8.5
ROWDIER (DLFPS-321/3699)	9	8.0	8.5
BAR 9FE MAS	9	7.7	8.3
BONFIRE (JS DTT)	9	7.7	8.3
DEGAS (LTP-TF-111)	9	7.7	8.3
DLFPS-321/3693	9	7.7	8.3
DLFPS-321/3694	9	7.7	8.3
DYNAMITE G-LS (PPG-TF 254)	9	7.7	8.3
ESSENTIAL 2 (DLFPS-TF/3552)	9	7.7	8.3
GRO-PRO (SE53D2)	9	7.7	8.3
PPG-TF 316	9	7.7	8.3
PST-5DZM	9	7.7	8.3
PST-5E6	9	7.7	8.3
PST-5THM	9	7.7	8.3
PST-5TRN	9	7.7	8.3
RH1	9	7.7	8.3
RH3	9	7.7	8.3
SETFM3	9	7.7	8.3
SR 8700 (TMT1)	9	7.7	8.3
TD2	9	7.7	8.3
TITAN GLX (TF445)	9	7.7	8.3
TOUGH (NAI-TUE)	9	7.7	8.3
TRIAD (PPG-TF 323)	9	7.7	8.3
BANDIT	9	7.3	8.2
BRAVO 2	9	7.3	8.2
BULLSEYE LTZ	9	7.3	8.2
DLFPS-321/3703	9	7.3	8.2
DLFPS-TF/3553	9	7.3	8.2
K18-NSE	9	7.3	8.2
LBF	9	7.3	8.2
PST-5MCMO	9	7.3	8.2
ROVER (PPG-TF 306)	9	7.3	8.2
SE5STAR	9	7.3	8.2
TANK (PPG-TF 338)	9	7.3	8.2
TEACHER (PPG-TF 313)	9	7.3	8.2
DAYBREAK (AH2)	9	7.0	8.0
FIREHAWK SLT	9	7.0	8.0
GRANDE 3	9	7.0	8.0
HEMI	9	7.0	8.0
HOUNDOG NINE (DLFPS-321/3702)	9	7.0	8.0
KENTUCKY-31	9	7.0	8.0
PPG-TF 249	9	7.0	8.0
PRO GOLD	9	7.0	8.0

TABLE 30.
(CONT'D)

BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/			
NAME	MO1	PA2	MEAN
RAD-TF105	9	7.0	8.0
SERENADE (PPG-TF 320)	9	7.0	8.0
SETFM2	9	7.0	8.0
BENTLEY (DLFPS-321/3679)	9	6.7	7.8
CAPITAN (DLFPS-321/3705)	9	6.7	7.8
FASTLANE (BY-TF-169)	9	6.7	7.8
FIRECRACKER G-LS (PPG-TF 315)	9	6.7	7.8
NAI-ST5	9	6.7	7.8
PPG-TF 231	9	6.7	7.8
5LSS	9	6.3	7.7
AVENGER III (PPG-TF 308)	9	6.3	7.7
BAR-FA8230	9	6.3	7.7
BGR-TF3	9	6.3	7.7
K18-WB1	9	6.3	7.7
PPG-TF 257	9	6.3	7.7
PPG-TF 267	9	6.3	7.7
RAPTOR III	9	6.3	7.7
RHL2	9	6.3	7.7
STEALTH (PPG-TF 238)	9	6.3	7.7
AH1	9	6.0	7.5
GALACTIC (SESCR1)	9	6.0	7.5
K18-RS6	9	6.0	7.5
NT-3	9	6.0	7.5
PPG-TF 337	9	6.0	7.5
ZION (BAR TF 134)	9	6.0	7.5
ATF1768	9	5.7	7.3
DLFPS-321/3706	9	5.7	7.3
PPG-TF 312	9	5.7	7.3
PPG-TF 318	9	5.7	7.3
TITAN MAX (TF456)	9	5.7	7.3
DLFPS-321/3708	9	5.3	7.2
RAD-TF115 (TURBO SS)	9	5.3	7.2
RAPTOR LS (PPG-TF 336)	9	5.3	7.2
RS1	9	5.3	7.2
SPYDER 2LS (ZRC1)	9	5.3	7.2
TITANIUM G-LS (PPG-TF 255)	9	5.0	7.0
DLFPS-321/3707	9	4.7	6.8
FAIRFIELD (SETF104)	9	4.7	6.8
RAD-TF131	9	4.0	6.5
LSD VALUE	0	2.8	1.4
C.V. (%)	0	23.7	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 31.

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	ON1	NAME	ON1	NAME	ON1
DLFPS-321/3708	9.0	ESCALADE	8.3	PRO GOLD	8.0
FIRECRACKER G-LS (PPG-TF 315)	9.0	ESSENTIAL 2 (DLFPS-TF/3552)	8.3	PST-5DC24	8.0
TEACHER (PPG-TF 313)	9.0	FASTLANE (BY-TF-169)	8.3	PST-5E6	8.0
AH1	8.7	FIRENZA II (PPG-TF 244)	8.3	PST-5GLBS	8.0
ATF1768	8.7	GALLARDO (DLFPS-TF/3550)	8.3	PST-5MCMO	8.0
BAR-FA8230	8.7	JT 233	8.3	RACEWAY (DLFPS-321/3696)	8.0
BLADERUNNER 3 (DLFPS-321/3701)	8.7	K18-NSE	8.3	RAD-TF105	8.0
BONFIRE (JS DTT)	8.7	KIZZLE (K18-ROE)	8.3	RAPTOR LS (PPG-TF 336)	8.0
DLFPS-321/3693	8.7	MONUMENT (PST-5SQB)	8.3	RC4	8.0
DLFPS-321/3695	8.7	NATURALLY GREEN	8.3	RDC	8.0
DRAGSTER	8.7	PARAMOUNT	8.3	RHF	8.0
ESTRENA	8.7	PPG-TF 249	8.3	TANGO	8.0
GO-RH20	8.7	PPG-TF 312	8.3	TANK (PPG-TF 338)	8.0
HOUNDDOG NINE (DLFPS-321/3702)	8.7	PST-5DZM	8.3	TITANIUM G-LS (PPG-TF 255)	8.0
K18-WB1	8.7	PST-5THM	8.3	XANADU (JT 268)	8.0
NAI-FQZ-17	8.7	RAD-TF131	8.3	ZION (BAR TF 134)	8.0
NAI-ROS4	8.7	RH3	8.3	BGR-TF3	7.7
NT-3	8.7	RHL2	8.3	DLFPS-TF/3553	7.7
OG-WALK	8.7	ROWDIER (DLFPS-321/3699)	8.3	FAIRFIELD (SETF104)	7.7
PPG-TF 257	8.7	SE5STAR	8.3	FIREHAWK SLT	7.7
PPG-TF 267	8.7	SETFM3	8.3	GRANDE 3	7.7
PPG-TF 316	8.7	SPYDER 2LS (ZRC1)	8.3	HEMI	7.7
RH1	8.7	TALLADEGA II (NAI-3N2)	8.3	JT 517	7.7
RS1	8.7	TD2	8.3	LIFEGUARD	7.7
SR 8700 (TMT1)	8.7	AVENGER III (PPG-TF 308)	8.0	PADRE 2	7.7
STEALTH (PPG-TF 238)	8.7	BAR 9FE MAS	8.0	PST-5BYOB	7.7
SYMPHONY (PPG-TF 305)	8.7	BENTLEY (DLFPS-321/3679)	8.0	PST-5GQ	7.7
TITAN GLX (TF445)	8.7	BULLSEYE	8.0	PST-5TRN	7.7
TITAN MAX (TF456)	8.7	COL-TF-148	8.0	RAPTOR III	7.7
3B2	8.3	DLFPS-321/3703	8.0	ROVER (PPG-TF 306)	7.7
5LSS	8.3	DLFPS-321/3706	8.0	SETFM2	7.7
A-TF31	8.3	FAYETTE	8.0	TOUGH (NAI-TUE)	7.7
DAYBREAK (AH2)	8.3	GALACTIC (SESCR1)	8.0	AST8218LM	7.3
AST8118LM	8.3	GO-AOMK	8.0	BIRMINGHAM	7.3
ATF2116	8.3	GRAND PRIX (FC15-01P)	8.0	DEGAS (LTP-TF-111)	7.3
BANDIT	8.3	GRO-PRO (SE53D2)	8.0	GLX ACED (PST-5DART)	7.3
BAR FA 8228	8.3	K18-RS6	8.0	PALOMAR	7.3
BRAVO 2	8.3	KENTUCKY-31	8.0	PPG-TF 318	7.3
BULLSEYE LTZ	8.3	LBF	8.0	PST-5MINK	7.3
CAPITAN (DLFPS-321/3705)	8.3	MOONDANCE GLX	8.0	SERENADE (PPG-TF 320)	7.3
COPIOUS TF	8.3	NAI-ST5	8.0	RAD-TF115 (TURBO SS)	7.0
DLFPS-321/3694	8.3	ORKEFE (LTP-TF-122)	8.0	TRIAD (PPG-TF 323)	7.0
DLFPS-321/3707	8.3	PPG-TF 231	8.0		
DYNAMITE G-LS (PPG-TF 254)	8.3	PPG-TF 262	8.0	LSD VALUE	1.2
ENDGAME (3N1)	8.3	PPG-TF 337	8.0	C.V. (%)	8.9

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

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

TABLE 32.

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

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					
NAME	IA1	NAME	IA1	NAME	IA1
AST8118LM	6.0	BENTLEY (DLFPS-321/3679)	4.7	GALACTIC (SESCR1)	4.3
BGR-TF3	6.0	BULLSEYE LTZ	4.7	GLX ACED (PST-5DART)	4.3
A-TF31	5.7	CAPITAN (DLFPS-321/3705)	4.7	GRAND PRIX (FC15-01P)	4.3
AST8218LM	5.7	COPIOUS TF	4.7	HEMI	4.3
BIRMINGHAM	5.7	DEGAS (LTP-TF-111)	4.7	KIZZLE (K18-ROE)	4.3
ESCALADE	5.7	DLFPS-321/3695	4.7	NAI-ROS4	4.3
LBF	5.7	DLFPS-321/3703	4.7	NT-3	4.3
RAD-TF115 (TURBO SS)	5.7	DLFPS-321/3706	4.7	OKEEFE (LTP-TF-122)	4.3
BANDIT	5.3	DLFPS-321/3707	4.7	PPG-TF 231	4.3
BAR 9FE MAS	5.3	DLFPS-321/3708	4.7	PPG-TF 262	4.3
BAR FA 8228	5.3	ESSENTIAL 2 (DLFPS-TF/3552)	4.7	PPG-TF 318	4.3
GO-AOMK	5.3	ESTRENA	4.7	PPG-TF 337	4.3
JT 233	5.3	FAIRFIELD (SETF104)	4.7	PRO GOLD	4.3
PALOMAR	5.3	FASTLANE (BY-TF-169)	4.7	PST-5DZM	4.3
PARAMOUNT	5.3	FIRECRACKER G-LS (PPG-TF 315)	4.7	PST-5E6	4.3
PST-5DC24	5.3	FIRENZA II (PPG-TF 244)	4.7	PST-5MCMO	4.3
RACEWAY (DLFPS-321/3696)	5.3	GO-RH20	4.7	PST-5THM	4.3
RAD-TF131	5.3	GRANDE 3	4.7	PST-5TRN	4.3
RC4	5.3	NAI-ST5	4.7	RAPTOR III	4.3
SETFM2	5.3	PADRE 2	4.7	RH1	4.3
ATF1768	5.0	PPG-TF 249	4.7	RH3	4.3
ATF2116	5.0	PPG-TF 267	4.7	RHF	4.3
AVENGER III (PPG-TF 308)	5.0	PPG-TF 316	4.7	RS1	4.3
BLADERUNNER 3 (DLFPS-321/3701)	5.0	PST-SBYOB	4.7	SE5STAR	4.3
BRAVO 2	5.0	PST-5GLBS	4.7	TALLADEGA II (NAI-3N2)	4.3
DLFPS-TF/3553	5.0	RHL2	4.7	DAYBREAK (AH2)	4.0
ENDGAME (3N1)	5.0	ROVER (PPG-TF 306)	4.7	BONFIRE (JS DTT)	4.0
FAYETTE	5.0	SERENADE (PPG-TF 320)	4.7	DLFPS-321/3694	4.0
GALLARDO (DLFPS-TF/3550)	5.0	SR 8700 (TMT1)	4.7	FIREHAWK SLT	4.0
GRO-PRO (SE53D2)	5.0	STEALTH (PPG-TF 238)	4.7	K18-NSE	4.0
HOUND OG NINE (DLFPS-321/3702)	5.0	SYMPHONY (PPG-TF 305)	4.7	K18-RS6	4.0
JT 517	5.0	TD2	4.7	K18-WB1	4.0
NAI-FQZ-17	5.0	TITAN GLX (TF445)	4.7	LIFEGUARD	4.0
NATURALLY GREEN	5.0	TITANIUM G-LS (PPG-TF 255)	4.7	MONUMENT (PST-5SQB)	4.0
OG-WALK	5.0	TOUGH (NAI-TUE)	4.7	MOONDANCE GLX	4.0
PPG-TF 257	5.0	XANADU (JT 268)	4.7	PST-5GQ	4.0
PST-5MINK	5.0	ZION (BAR TF 134)	4.7	RAPTOR LS (PPG-TF 336)	4.0
RAD-TF105	5.0	3B2	4.3	SPYDER 2LS (ZRC1)	4.0
ROWDIER (DLFPS-321/3699)	5.0	5LSS	4.3	TITAN MAX (TF456)	4.0
SETFM3	5.0	AH1	4.3	PPG-TF 312	3.7
TANGO	5.0	BULLSEYE	4.3	RDC	3.7
TANK (PPG-TF 338)	5.0	COL-TF-148	4.3	KENTUCKY-31	3.0
TEACHER (PPG-TF 313)	5.0	DLFPS-321/3693	4.3		
TRIAD (PPG-TF 323)	5.0	DRAGSTER	4.3	LSD VALUE	1.0
BAR-FA8230	4.7	DYNAMITE G-LS (PPG-TF 254)	4.3	C.V. (%)	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 33.

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

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

NAME	IA1	NE1	PA2	MEAN
RAD-TF131	5.0	7.7	7.7	6.8
COPIOUS TF	5.3	8.0	7.0	6.8
NATURALLY GREEN	5.3	8.0	7.0	6.8
ROWDIER (DLFPS-321/3699)	5.0	8.0	7.3	6.8
A-TF31	5.0	8.0	7.0	6.7
NAI-FQZ-17	5.0	8.0	7.0	6.7
RAD-TF115 (TURBO SS)	5.0	8.0	7.0	6.7
SETFM2	5.0	7.7	7.3	6.7
BANDIT	4.7	8.0	7.0	6.6
DLFPS-321/3708	5.0	8.0	6.7	6.6
PPG-TF 257	4.7	8.0	7.0	6.6
AST8118LM	5.3	8.0	6.3	6.6
AST8218LM	5.0	7.7	6.7	6.4
AVENGER III (PPG-TF 308)	5.0	7.7	6.7	6.4
GALLARDO (DLFPS-TF/3550)	4.7	8.0	6.7	6.4
NT-3	4.7	7.7	7.0	6.4
PST-5DC24	5.0	7.7	6.7	6.4
SETFM3	5.0	7.7	6.7	6.4
TD2	4.7	8.0	6.7	6.4
TITANIUM G-LS (PPG-TF 255)	4.7	8.0	6.7	6.4
ATF2116	5.3	7.3	6.7	6.4
BGR-TF3	5.3	7.0	7.0	6.4
BLADERUNNER 3 (DLFPS-321/3701)	5.0	7.3	7.0	6.4
JT 517	4.7	7.3	7.3	6.4
OG-WALK	5.0	7.3	7.0	6.4
RACEWAY (DLFPS-321/3696)	5.0	8.0	6.3	6.4
TRIAD (PPG-TF 323)	4.7	7.3	7.3	6.4
AH1	4.3	8.0	6.7	6.3
BIRMINGHAM	5.0	8.0	6.0	6.3
DLFPS-321/3703	5.0	8.0	6.0	6.3
DYNAMITE G-LS (PPG-TF 254)	5.0	7.7	6.3	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	5.0	7.3	6.7	6.3
FIRENZA II (PPG-TF 244)	4.3	7.7	7.0	6.3
GRANDE 3	4.3	8.0	6.7	6.3
JT 233	4.7	8.0	6.3	6.3
RC4	4.7	7.7	6.7	6.3
RH1	4.7	8.0	6.3	6.3
RHL2	4.7	7.7	6.7	6.3
TANGO	4.7	7.7	6.7	6.3
TANK (PPG-TF 338)	4.7	7.3	7.0	6.3
BAR 9FE MAS	5.0	7.0	6.7	6.2
BAR FA 8228	4.7	8.0	6.0	6.2
DLFPS-321/3693	4.7	7.7	6.3	6.2
DLFPS-321/3694	4.7	7.3	6.7	6.2
DLFPS-321/3695	4.7	7.3	6.7	6.2
DLFPS-321/3707	4.3	7.7	6.7	6.2

TABLE 33.
(CONT'D)

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

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

NAME	IA1	NE1	PA2	MEAN
FASTLANE (BY-TF-169)	4.3	7.7	6.7	6.2
FAYETTE	5.0	7.0	6.7	6.2
GLX ACED (PST-5DART)	4.7	8.0	6.0	6.2
GRO-PRO (SE53D2)	4.7	8.0	6.0	6.2
PALOMAR	4.7	8.0	6.0	6.2
PARAMOUNT	5.0	7.7	6.0	6.2
PPG-TF 262	4.7	7.7	6.3	6.2
RAD-TF105	4.7	7.7	6.3	6.2
TEACHER (PPG-TF 313)	4.0	8.0	6.7	6.2
TOUGH (NAI-TUE)	4.7	7.0	7.0	6.2
XANADU (JT 268)	5.0	7.0	6.7	6.2
ZION (BAR TF 134)	4.7	8.0	6.0	6.2
ATF1768	5.3	7.3	6.0	6.2
BONFIRE (JS DTT)	4.3	8.0	6.3	6.2
COL-TF-148	4.3	8.0	6.3	6.2
DEGAS (LTP-TF-111)	4.3	8.0	6.3	6.2
ESCALADE	4.3	8.0	6.3	6.2
ESTRENA	4.3	8.0	6.3	6.2
GALACTIC (SESCR1)	4.3	8.0	6.3	6.2
GO-AOMK	5.0	7.3	6.3	6.2
NAI-ST5	4.3	7.0	7.3	6.2
PPG-TF 267	4.3	8.0	6.3	6.2
RAPTOR LS (PPG-TF 336)	4.3	8.0	6.3	6.2
TALLADEGA II (NAI-3N2)	4.3	8.0	6.3	6.2
BENTLEY (DLFPS-321/3679)	4.7	7.7	6.0	6.1
DLFPS-TF/3553	4.7	7.7	6.0	6.1
PST-5GLBS	4.7	7.7	6.0	6.1
TITAN GLX (TF445)	4.7	7.7	6.0	6.1
3B2	4.7	7.3	6.3	6.1
5LSS	4.3	7.7	6.3	6.1
BULLSEYE	4.3	8.0	6.0	6.1
BULLSEYE LTZ	4.3	8.0	6.0	6.1
DRAGSTER	4.0	8.0	6.3	6.1
ENDGAME (3N1)	5.0	6.3	7.0	6.1
FAIRFIELD (SETF104)	4.3	8.0	6.0	6.1
FIRECRACKER G-LS (PPG-TF 315)	4.3	7.7	6.3	6.1
GO-RH20	4.7	7.3	6.3	6.1
LBF	5.0	7.3	6.0	6.1
OKEEFE (LTP-TF-122)	4.3	7.3	6.7	6.1
PPG-TF 318	4.7	7.3	6.3	6.1
PST-5TRN	4.3	8.0	6.0	6.1
RAPTOR III	4.3	8.0	6.0	6.1
RS1	4.3	7.7	6.3	6.1
SE5STAR	4.3	8.0	6.0	6.1
SYMPHONY (PPG-TF 305)	4.3	8.0	6.0	6.1
TITAN MAX (TF456)	4.3	7.7	6.3	6.1
DAYBREAK (AH2)	4.3	7.7	6.0	6.0

TABLE 33.
(CONT'D)

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

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

NAME	IA1	NE1	PA2	MEAN
CAPITAN (DLFPS-321/3705)	4.0	8.0	6.0	6.0
FIREHAWK SLT	4.3	8.0	5.7	6.0
HOUNDOG NINE (DLFPS-321/3702)	5.0	7.0	6.0	6.0
K18-WB1	4.7	7.0	6.3	6.0
KIZZLE (K18-ROE)	4.3	7.3	6.3	6.0
PPG-TF 337	4.0	8.0	6.0	6.0
PST-5MCMO	4.3	7.7	6.0	6.0
RDC	4.0	7.7	6.3	6.0
RHF	4.0	8.0	6.0	6.0
ROVER (PPG-TF 306)	4.3	7.3	6.3	6.0
SR 8700 (TMT1)	4.3	7.3	6.3	6.0
K18-NSE	4.0	8.0	5.7	5.9
MOONDANCE GLX	4.0	8.0	5.7	5.9
PPG-TF 312	4.7	7.3	5.7	5.9
PPG-TF 316	5.0	6.0	6.7	5.9
RH3	4.0	7.7	6.0	5.9
SERENADE (PPG-TF 320)	4.0	7.7	6.0	5.9
DLFPS-321/3706	4.0	7.3	6.3	5.9
K18-RS6	4.3	7.0	6.3	5.9
NAI-ROS4	4.0	7.3	6.3	5.9
PPG-TF 231	4.0	7.3	6.3	5.9
SPYDER 2LS (ZRC1)	4.0	7.3	6.3	5.9
STEALTH (PPG-TF 238)	4.0	7.3	6.3	5.9
BRAVO 2	4.7	6.0	6.7	5.8
PST-5THM	4.7	7.0	5.7	5.8
MONUMENT (PST-5SQB)	4.0	8.0	5.3	5.8
PADRE 2	4.3	6.3	6.7	5.8
PPG-TF 249	5.0	6.0	6.3	5.8
PST-5DZM	4.3	7.0	6.0	5.8
PST-5GQ	4.3	7.3	5.7	5.8
PST-5MINK	5.0	6.3	6.0	5.8
BAR-FA8230	4.0	7.0	6.0	5.7
LIFEGUARD	4.3	7.0	5.7	5.7
PST-5E6	4.3	7.0	5.7	5.7
GRAND PRIX (FC15-01P)	4.3	6.0	6.3	5.6
PRO GOLD	4.7	6.7	5.0	5.4
PST-5BYOB	4.3	6.3	5.7	5.4
HEMI	4.3	6.0	5.3	5.2
KENTUCKY-31	3.3	6.0	3.0	4.1
LSD VALUE	0.8	0.7	1.1	0.5
C.V. (%)	10.7	5.4	10.3	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 34.

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

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

NAME	GA1	IA1	NC1	ON1	UT1	MEAN
PPG-TF 267	7.7	6.0	8.0	7.3	5.3	6.9
RAD-TF115 (TURBO SS)	7.0	6.0	8.0	7.7	5.7	6.9
DLFPS-321/3708	7.3	6.7	8.0	6.7	5.3	6.8
PPG-TF 231	8.0	6.0	8.0	7.0	5.0	6.8
SETFM2	8.0	6.7	7.7	6.7	5.0	6.8
XANADU (JT 268)	7.3	6.3	8.0	6.7	5.7	6.8
BGR-TF3	8.0	6.7	7.7	6.7	4.7	6.7
AST8118LM	7.3	7.0	8.0	7.0	4.3	6.7
AVENGER III (PPG-TF 308)	7.3	6.0	8.0	6.7	5.7	6.7
RACEWAY (DLFPS-321/3696)	8.0	5.7	8.0	7.3	4.7	6.7
RAD-TF105	8.0	6.3	8.0	6.7	4.7	6.7
BONFIRE (JS DTT)	7.7	5.3	8.0	6.7	5.7	6.7
DLFPS-321/3693	7.3	5.7	8.0	6.7	5.7	6.7
DLFPS-321/3694	7.7	5.0	8.0	7.0	5.7	6.7
DRAGSTER	7.7	5.0	8.0	7.0	5.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	7.7	5.7	8.0	6.7	5.3	6.7
FIRECRACKER G-LS (PPG-TF 315)	7.7	5.3	7.7	6.3	6.3	6.7
LBF	7.7	6.3	7.7	7.0	4.7	6.7
NAI-ST5	8.0	5.7	7.7	6.7	5.3	6.7
PPG-TF 257	7.3	5.7	8.0	6.7	5.7	6.7
PPG-TF 316	7.0	6.0	8.0	6.7	5.7	6.7
RAD-TF131	7.7	7.0	7.7	6.3	4.7	6.7
SERENADE (PPG-TF 320)	7.7	5.7	8.0	6.7	5.3	6.7
PPG-TF 262	7.3	5.3	8.0	7.3	5.3	6.7
RC4	7.3	5.7	8.0	6.3	6.0	6.7
ROWDIER (DLFPS-321/3699)	7.3	6.3	8.0	6.7	5.0	6.7
TOUGH (NAI-TUE)	7.3	6.3	7.7	7.3	4.7	6.7
BANDIT	7.3	6.0	8.0	7.0	4.7	6.6
BLADERUNNER 3 (DLFPS-321/3701)	7.3	6.0	8.0	6.3	5.3	6.6
BRAVO 2	8.0	6.3	8.0	6.0	4.7	6.6
COPIOUS TF	7.7	6.0	8.0	6.7	4.7	6.6
DLFPS-TF/3553	7.0	5.3	8.0	7.0	5.7	6.6
ENDGAME (3N1)	7.0	6.0	8.0	7.0	5.0	6.6
FAIRFIELD (SETF104)	7.3	6.7	8.0	6.3	4.7	6.6
FASTLANE (BY-TF-169)	7.7	5.7	8.0	6.7	5.0	6.6
GALACTIC (SESCR1)	7.3	5.0	8.0	6.7	6.0	6.6
JT 233	7.3	6.3	8.0	6.7	4.7	6.6
JT 517	8.0	6.0	7.7	7.0	4.3	6.6
PPG-TF 318	7.0	5.7	8.0	7.0	5.3	6.6
TRIAD (PPG-TF 323)	7.3	5.7	7.7	7.0	5.3	6.6
AST8218LM	8.0	6.7	8.0	5.7	4.3	6.5
GO-AOMK	7.7	7.0	8.0	6.0	4.0	6.5
PPG-TF 337	7.7	5.0	8.0	7.0	5.0	6.5
RAPTOR III	7.0	6.0	8.0	6.7	5.0	6.5
RAPTOR LS (PPG-TF 336)	7.7	5.7	8.0	5.7	5.7	6.5
ROVER (PPG-TF 306)	7.0	6.0	8.0	6.7	5.0	6.5

TABLE 34.
(CONT'D)

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

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

NAME	GA1	IA1	NC1	ON1	UT1	MEAN
RS1	7.0	5.3	7.7	6.7	6.0	6.5
DLFPS-321/3707	7.3	6.0	8.0	6.0	5.3	6.5
DYNAMITE G-LS (PPG-TF 254)	7.3	6.0	8.0	6.0	5.3	6.5
GALLARDO (DLFPS-TF/3550)	7.3	5.7	8.0	7.0	4.7	6.5
GO-RH20	7.3	5.0	8.0	7.0	5.3	6.5
K18-WB1	7.3	5.0	8.0	6.7	5.7	6.5
PST-5DC24	6.3	7.0	8.0	6.3	5.0	6.5
RHL2	7.3	5.3	8.0	6.0	6.0	6.5
TD2	7.3	5.7	8.0	6.0	5.7	6.5
A-TF31	7.7	6.3	8.0	6.0	4.3	6.5
AH1	7.3	4.7	8.0	7.0	5.3	6.5
BENTLEY (DLFPS-321/3679)	7.0	6.7	7.7	6.3	4.7	6.5
BIRMINGHAM	7.7	6.3	7.7	6.0	4.7	6.5
DLFPS-321/3695	7.3	5.0	8.0	6.7	5.3	6.5
FIREHAWK SLT	7.7	4.7	8.0	7.0	5.0	6.5
FIRENZA II (PPG-TF 244)	7.0	5.3	8.0	6.7	5.3	6.5
NAI-ROS4	7.0	5.0	8.0	7.0	5.3	6.5
RHF	7.0	5.0	8.0	6.7	5.7	6.5
SPYDER 2LS (ZRC1)	7.0	4.7	8.0	7.3	5.3	6.5
DLFPS-321/3703	7.3	6.0	8.0	6.0	5.0	6.5
GRANDE 3	7.3	5.3	7.7	7.0	5.0	6.5
PST-5DZM	7.3	5.7	8.0	6.3	5.0	6.5
PST-5MINK	7.0	6.3	8.0	6.3	4.7	6.5
STEALTH (PPG-TF 238)	7.7	5.3	8.0	6.3	5.0	6.5
SYMPHONY (PPG-TF 305)	7.7	5.3	8.0	6.3	5.0	6.5
ATF2116	8.0	6.7	8.0	5.3	4.0	6.4
BULLSEYE LTZ	7.0	5.7	8.0	6.3	5.0	6.4
CAPITAN (DLFPS-321/3705)	7.3	5.0	8.0	6.0	5.7	6.4
FAYETTE	7.0	5.7	8.0	6.3	5.0	6.4
HEMI	7.3	5.3	8.0	6.7	4.7	6.4
HOUNDOG NINE (DLFPS-321/3702)	7.3	5.7	8.0	6.3	4.7	6.4
NATURALLY GREEN	7.3	6.0	8.0	6.0	4.7	6.4
OKEEFE (LTP-TF-122)	7.0	5.3	8.0	7.0	4.7	6.4
PADRE 2	7.0	6.0	8.0	6.3	4.7	6.4
TALLADEGA II (NAI-3N2)	7.7	5.0	8.0	7.0	4.3	6.4
TANGO	7.3	6.0	8.0	6.0	4.7	6.4
TITANIUM G-LS (PPG-TF 255)	7.0	5.7	8.0	6.3	5.0	6.4
ZION (BAR TF 134)	7.3	4.7	8.0	6.3	5.7	6.4
NT-3	7.3	5.0	8.0	6.3	5.3	6.4
DAYBREAK (AH2)	7.0	4.7	8.0	6.3	5.7	6.3
KIZZLE (K18-ROE)	7.0	4.7	8.0	7.0	5.0	6.3
PST-5THM	7.0	5.7	8.0	6.3	4.7	6.3
SR 8700 (TMT1)	7.0	5.7	8.0	6.0	5.0	6.3
NAI-FQZ-17	7.3	6.0	8.0	6.3	4.0	6.3
SETFM3	6.3	6.0	8.0	6.3	5.0	6.3
TANK (PPG-TF 338)	7.3	5.0	8.0	6.3	5.0	6.3
TEACHER (PPG-TF 313)	7.0	4.3	8.0	7.0	5.3	6.3

TABLE 34.
(CONT'D)

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

NAME	FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/					MEAN
	GA1	IA1	NC1	ON1	UT1	
TITAN GLX (TF445)	7.3	5.7	8.0	6.3	4.3	6.3
3B2	6.7	5.0	8.0	7.0	4.7	6.3
BAR 9FE MAS	7.0	5.7	7.7	6.0	5.0	6.3
COL-TF-148	7.3	4.7	8.0	6.7	4.7	6.3
PARAMOUNT	6.7	5.3	7.7	6.7	5.0	6.3
PPG-TF 249	7.0	5.0	7.7	6.7	5.0	6.3
PST-5GQ	7.0	5.7	8.0	6.0	4.7	6.3
BULLSEYE	7.3	5.0	8.0	6.7	4.3	6.3
DLFPS-321/3706	7.0	4.7	8.0	6.3	5.3	6.3
GLX ACED (PST-5DART)	6.7	5.3	8.0	6.3	5.0	6.3
PST-5GLBS	7.0	5.3	8.0	6.0	5.0	6.3
RH1	7.0	5.0	8.0	6.3	5.0	6.3
BAR-FA8230	6.7	5.7	8.0	6.0	4.7	6.2
ATF1768	7.0	5.7	8.0	6.0	4.3	6.2
MOONDANCE GLX	7.0	5.0	8.0	6.0	5.0	6.2
PALOMAR	7.3	5.7	8.0	6.0	4.0	6.2
PST-5TRN	7.0	5.0	8.0	6.0	5.0	6.2
TITAN MAX (TF456)	7.0	4.7	8.0	6.3	5.0	6.2
GRAND PRIX (FC15-01P)	7.7	5.7	8.0	5.3	4.0	6.1
LIFEGUARD	7.0	4.7	7.7	6.3	5.0	6.1
RDC	6.0	4.7	7.7	6.3	6.0	6.1
RH3	6.7	4.3	8.0	6.0	5.7	6.1
SE5STAR	7.0	5.7	8.0	6.0	4.0	6.1
K18-NSE	7.0	4.0	8.0	6.3	5.3	6.1
OG-WALK	7.0	6.0	7.3	6.3	4.0	6.1
PST-5BYOB	7.0	5.0	8.0	6.3	4.3	6.1
PPG-TF 312	7.0	4.0	8.0	5.7	5.7	6.1
PST-5MCMO	6.7	5.0	8.0	6.0	4.7	6.1
DEGAS (LTP-TF-111)	6.3	4.7	8.0	6.0	5.3	6.1
MONUMENT (PST-5SQB)	6.0	6.3	8.0	5.3	4.7	6.1
K18-RS6	7.0	4.3	7.3	6.3	5.3	6.1
ESCALADE	6.0	5.7	8.0	5.7	4.7	6.0
ESTRENA	5.7	4.7	8.0	6.7	5.0	6.0
5LSS	7.0	4.7	7.0	6.0	5.3	6.0
BAR FA 8228	7.0	6.0	8.0	5.0	4.0	6.0
PRO GOLD	7.3	5.0	8.0	5.3	4.3	6.0
GRO-PRO (SE53D2)	7.3	5.0	7.7	5.0	4.7	5.9
PST-5E6	7.0	4.0	8.0	5.3	5.0	5.9
KENTUCKY-31	5.0	4.3	6.7	3.3	3.3	4.5
LSD VALUE	0.9	1.2	0.5	1.3	1.0	0.5
C.V. (%)	8.0	13.6	3.7	12.3	12.7	9.9

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

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

TABLE 35.

FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

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

NAME	GA1	NAME	GA1	NAME	GA1
AST8218LM	7.7	GO-RH20	6.7	DLFPS-321/3708	6.3
NAI-ST5	7.7	GRAND PRIX (FC15-01P)	6.7	ENDGAME (3N1)	6.3
DRAGSTER	7.3	GRO-PRO (SE53D2)	6.7	FAIRFIELD (SETF104)	6.3
PPG-TF 267	7.3	HOUNDOG NINE (DLFPS-321/3702)	6.7	HEMI	6.3
PST-5BYOB	7.3	K18-NSE	6.7	JT 233	6.3
RAD-TF105	7.3	K18-WB1	6.7	KIZZLE (K18-ROE)	6.3
RAD-TF131	7.3	LBF	6.7	MONUMENT (PST-5SQB)	6.3
TALLADEGA II (NAI-3N2)	7.3	MOONDANCE GLX	6.7	NAI-ROS4	6.3
5LSS	7.0	NAI-FQZ-17	6.7	NT-3	6.3
DAYBREAK (AH2)	7.0	NATURALLY GREEN	6.7	PARAMOUNT	6.3
ATF2116	7.0	OG-WALK	6.7	PPG-TF 318	6.3
BENTLEY (DLFPS-321/3679)	7.0	OKEEFE (LTP-TF-122)	6.7	PPG-TF 337	6.3
BRAVO 2	7.0	PALOMAR	6.7	PST-5GLBS	6.3
CAPITAN (DLFPS-321/3705)	7.0	PPG-TF 257	6.7	PST-5GQ	6.3
COPIOUS TF	7.0	PPG-TF 312	6.7	PST-5MCMO	6.3
DLFPS-321/3694	7.0	PPG-TF 316	6.7	PST-5MINK	6.3
DLFPS-321/3706	7.0	RAPTOR LS (PPG-TF 336)	6.7	PST-5THM	6.3
DLFPS-321/3707	7.0	RC4	6.7	PST-5TRN	6.3
DYNAMITE G-LS (PPG-TF 254)	7.0	RH1	6.7	RAD-TF115 (TURBO SS)	6.3
FASTLANE (BY-TF-169)	7.0	RHF	6.7	RAPTOR III	6.3
FIRECRACKER G-LS (PPG-TF 315)	7.0	RHL2	6.7	RDC	6.3
FIREHAWK SLT	7.0	RS1	6.7	RH3	6.3
GALLARDO (DLFPS-TF/3550)	7.0	SERENADE (PPG-TF 320)	6.7	ROVER (PPG-TF 306)	6.3
GO-AOMK	7.0	SETFM2	6.7	ROWDIER (DLFPS-321/3699)	6.3
GRANDE 3	7.0	SPYDER 2LS (ZRC1)	6.7	SETFM3	6.3
LIFEGUARD	7.0	STEALTH (PPG-TF 238)	6.7	SR 8700 (TMT1)	6.3
PADRE 2	7.0	SYMPHONY (PPG-TF 305)	6.7	TITANIUM G-LS (PPG-TF 255)	6.3
PPG-TF 231	7.0	TANGO	6.7	ZION (BAR TF 134)	6.3
PPG-TF 262	7.0	TANK (PPG-TF 338)	6.7	ATF1768	6.0
PRO GOLD	7.0	TD2	6.7	BAR FA 8228	6.0
PST-5DZM	7.0	TEACHER (PPG-TF 313)	6.7	DLFPS-321/3695	6.0
RACEWAY (DLFPS-321/3696)	7.0	TITAN GLX (TF445)	6.7	ESTRENA	6.0
TRIAD (PPG-TF 323)	7.0	TOUGH (NAI-TUE)	6.7	FAYETTE	6.0
3B2	6.7	XANADU (JT 268)	6.7	GLX ACED (PST-5DART)	6.0
AST8118LM	6.7	JT 517	6.5	K18-RS6	6.0
BGR-TF3	6.7	A-TF31	6.3	PPG-TF 249	6.0
BIRMINGHAM	6.7	AH1	6.3	PST-5E6	6.0
BONFIRE (JS DTT)	6.7	AVENGER III (PPG-TF 308)	6.3	TITAN MAX (TF456)	6.0
BULLSEYE	6.7	BANDIT	6.3	ESCALADE	5.7
COL-TF-148	6.7	BAR 9FE MAS	6.3	KENTUCKY-31	5.7
DLFPS-321/3693	6.7	BAR-FA8230	6.3	PST-5DC24	5.7
DLFPS-TF/3553	6.7	BLADERUNNER 3 (DLFPS-321/3701)	6.3	SE5STAR	5.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	BULLSEYE LTZ	6.3		
FIRENZA II (PPG-TF 244)	6.7	DEGAS (LTP-TF-111)	6.3	LSD VALUE	1.1
GALACTIC (SESCR1)	6.7	DLFPS-321/3703	6.3	C.V. (%)	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 36.

TURF UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS 1/
2021 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/

NAME	UT1	NAME	UT1	NAME	UT1
5LSS	7.3	BLADERUNNER 3 (DLFPS-321/3701)	6.7	BAR 9FE MAS	6.3
CAPITAN (DLFPS-321/3705)	7.3	BULLSEYE LTZ	6.7	BENTLEY (DLFPS-321/3679)	6.3
DLFPS-321/3694	7.3	DLFPS-321/3703	6.7	BIRMINGHAM	6.3
K18-RS6	7.3	DLFPS-321/3707	6.7	COPIOUS TF	6.3
PARAMOUNT	7.3	ESTRENA	6.7	ENDGAME (3N1)	6.3
PST-5DZM	7.3	FAIRFIELD (SETF104)	6.7	ESSENTIAL 2 (DLFPS-TF/3552)	6.3
RH3	7.3	FAYETTE	6.7	FASTLANE (BY-TF-169)	6.3
RHF	7.3	FIREHAWK SLT	6.7	GLX ACED (PST-5DART)	6.3
TRIAD (PPG-TF 323)	7.3	FIRENZA II (PPG-TF 244)	6.7	GO-AOMK	6.3
DAYBREAK (AH2)	7.0	GALACTIC (SESCR1)	6.7	KIZZLE (K18-ROE)	6.3
ATF1768	7.0	GRANDE 3	6.7	LBF	6.3
AVENGER III (PPG-TF 308)	7.0	HEMI	6.7	LIFEGUARD	6.3
BONFIRE (JS DTT)	7.0	HOUNDOG NINE (DLFPS-321/3702)	6.7	NAI-FQZ-17	6.3
BULLSEYE	7.0	JT 233	6.7	PST-5E6	6.3
COL-TF-148	7.0	K18-NSE	6.7	PST-5GQ	6.3
DEGAS (LTP-TF-111)	7.0	K18-WB1	6.7	PST-5MINK	6.3
DLFPS-321/3693	7.0	NAI-ROS4	6.7	PST-5THM	6.3
DLFPS-321/3695	7.0	NAI-ST5	6.7	PST-5TRN	6.3
DLFPS-321/3706	7.0	OKEEFE (LTP-TF-122)	6.7	RAD-TF105	6.3
DLFPS-321/3708	7.0	PADRE 2	6.7	RAD-TF131	6.3
DLFPS-TF/3553	7.0	PPG-TF 267	6.7	ROWDIER (DLFPS-321/3699)	6.3
DRAGSTER	7.0	PPG-TF 312	6.7	RS1	6.3
DYNAMITE G-LS (PPG-TF 254)	7.0	PPG-TF 316	6.7	SE5STAR	6.3
FIRECRACKER G-LS (PPG-TF 315)	7.0	PPG-TF 318	6.7	SETFM2	6.3
GALLARDO (DLFPS-TF/3550)	7.0	PPG-TF 337	6.7	SPYDER 2LS (ZRC1)	6.3
GO-RH20	7.0	PRO GOLD	6.7	TITAN GLX (TF445)	6.3
MONUMENT (PST-5SQB)	7.0	PST-5DC24	6.7	BAR FA 8228	6.0
NT-3	7.0	PST-5MCMO	6.7	BAR-FA8230	6.0
PPG-TF 231	7.0	RAPTOR LS (PPG-TF 336)	6.7	BGR-TF3	6.0
PPG-TF 249	7.0	RDC	6.7	BRAVO 2	6.0
PPG-TF 257	7.0	RH1	6.7	ESCALADE	6.0
PPG-TF 262	7.0	ROVER (PPG-TF 306)	6.7	GRAND PRIX (FC15-01P)	6.0
RACEWAY (DLFPS-321/3696)	7.0	SERENADE (PPG-TF 320)	6.7	GRO-PRO (SE53D2)	6.0
RAD-TF115 (TURBO SS)	7.0	SR 8700 (TMT1)	6.7	JT 517	6.0
RAPTOR III	7.0	STEALTH (PPG-TF 238)	6.7	PST-5BYOB	6.0
RC4	7.0	SYMPHONY (PPG-TF 305)	6.7	PST-5GLBS	6.0
RHL2	7.0	TANGO	6.7	SETFM3	6.0
TALLADEGA II (NAI-3N2)	7.0	TOUGH (NAI-TUE)	6.7	MOONDANCE GLX	5.7
TANK (PPG-TF 338)	7.0	XANADU (JT 268)	6.7	NATURALLY GREEN	5.7
TD2	7.0	ZION (BAR TF 134)	6.7	OG-WALK	5.7
TEACHER (PPG-TF 313)	7.0	A-TF31	6.3	KENTUCKY-31	5.3
TITAN MAX (TF456)	7.0	AST8118LM	6.3	PALOMAR	5.3
TITANIUM G-LS (PPG-TF 255)	7.0	AST8218LM	6.3		
3B2	6.7	ATF2116	6.3	LSD VALUE	0.8
AH1	6.7	BANDIT	6.3	C.V. (%)	7.6

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

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

TABLE 37.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
 AT NEWARK, DE 1/
 2021 DATA

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

NAME	JUNE	JULY	AUGUST	MEAN
DAYBREAK (AH2)	9.0	7.0	7.7	7.9
CAPITAN (DLFPS-321/3705)	8.3	6.7	7.7	7.6
AVENGER III (PPG-TF 308)	9.0	6.7	6.7	7.4
BLADERUNNER 3 (DLFPS-321/3701)	9.0	7.0	6.3	7.4
BONFIRE (JS DTT)	8.3	7.3	6.7	7.4
GO-RH20	8.3	7.0	7.0	7.4
NAI-ROS4	9.0	6.7	6.7	7.4
PST-5TRN	9.0	6.3	7.0	7.4
RAPTOR LS (PPG-TF 336)	8.7	6.7	7.0	7.4
RH3	8.7	7.0	6.7	7.4
BENTLEY (DLFPS-321/3679)	8.7	6.7	6.7	7.3
DLFPS-321/3703	9.0	6.3	6.7	7.3
GRO-PRO (SE53D2)	9.0	6.7	6.3	7.3
HOUNDOG NINE (DLFPS-321/3702)	9.0	7.0	6.0	7.3
PPG-TF 312	8.7	6.7	6.7	7.3
RDC	8.7	6.7	6.7	7.3
DEGAS (LTP-TF-111)	8.7	6.3	6.7	7.2
DYNAMITE G-LS (PPG-TF 254)	9.0	6.3	6.3	7.2
FIRECRACKER G-LS (PPG-TF 315)	8.7	6.7	6.3	7.2
JT 233	9.0	6.3	6.3	7.2
MOONDANCE GLX	8.7	6.7	6.3	7.2
PPG-TF 249	8.7	6.3	6.7	7.2
PPG-TF 316	8.7	6.7	6.3	7.2
SPYDER 2LS (ZRC1)	8.7	6.3	6.7	7.2
XANADU (JT 268)	8.7	6.7	6.3	7.2
ZION (BAR TF 134)	8.7	6.7	6.3	7.2
DLFPS-321/3695	8.7	5.7	7.0	7.1
K18-NSE	8.3	6.3	6.7	7.1
LBF	8.7	6.3	6.3	7.1
PARAMOUNT	8.7	6.0	6.7	7.1
PPG-TF 262	8.7	6.0	6.7	7.1
RHF	8.7	6.3	6.3	7.1
SERENADE (PPG-TF 320)	8.3	6.7	6.3	7.1
STEALTH (PPG-TF 238)	8.3	6.7	6.3	7.1
3B2	8.0	6.3	6.7	7.0
5LSS	9.0	6.3	5.7	7.0
COL-TF-148	8.3	6.3	6.3	7.0
GLX ACED (PST-5DART)	9.0	6.3	5.7	7.0
PST-5GLBS	8.7	6.0	6.3	7.0
PST-5GQ	8.7	6.0	6.3	7.0
TANK (PPG-TF 338)	8.0	6.7	6.3	7.0
TITAN GLX (TF445)	8.3	6.3	6.3	7.0
BULLSEYE LTZ	8.0	6.7	6.0	6.9
DLFPS-321/3708	8.0	6.3	6.3	6.9
ESSENTIAL 2 (DLFPS-TF/3552)	8.7	6.0	6.0	6.9

TABLE 37.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT NEWARK, DE 1/
2021 DATA

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

NAME	JUNE	JULY	AUGUST	MEAN
ESTRENA	8.3	6.3	6.0	6.9
FASTLANE (BY-TF-169)	8.3	6.0	6.3	6.9
LIFEGUARD	8.7	6.0	6.0	6.9
OKEEFE (LTP-TF-122)	8.7	6.0	6.0	6.9
PADRE 2	8.0	6.3	6.3	6.9
PPG-TF 231	8.7	6.0	6.0	6.9
PPG-TF 337	8.3	6.3	6.0	6.9
PRO GOLD	8.0	7.0	5.7	6.9
PST-5MCMO	8.3	6.7	5.7	6.9
RACEWAY (DLFPS-321/3696)	8.7	6.0	6.0	6.9
RHL2	8.7	6.0	6.0	6.9
SR 8700 (TMT1)	8.7	5.7	6.3	6.9
TALLADEGA II (NAI-3N2)	7.7	6.7	6.3	6.9
TD2	7.7	6.3	6.7	6.9
TITAN MAX (TF456)	8.0	6.0	6.7	6.9
DLFPS-321/3694	7.7	6.0	6.7	6.8
DRAGSTER	7.7	6.3	6.3	6.8
HEMI	8.7	5.7	6.0	6.8
K18-RS6	8.3	6.0	6.0	6.8
KENTUCKY-31	8.7	6.7	5.0	6.8
KIZZLE (K18-ROE)	8.7	6.0	5.7	6.8
NAI-ST5	8.7	6.0	5.7	6.8
NT-3	8.3	5.7	6.3	6.8
PST-5THM	8.7	6.0	5.7	6.8
RAPTOR III	8.3	6.0	6.0	6.8
RC4	8.7	5.7	6.0	6.8
AH1	7.0	6.0	7.0	6.7
FIREHAWK SLT	9.0	6.0	5.0	6.7
GALLARDO (DLFPS-TF/3550)	8.7	5.7	5.7	6.7
GRANDE 3	8.0	6.0	6.0	6.7
MONUMENT (PST-5SQB)	8.7	5.3	6.0	6.7
PST-5BYOB	8.7	6.0	5.3	6.7
RS1	8.3	6.3	5.3	6.7
TITANIUM G-LS (PPG-TF 255)	7.0	6.3	6.7	6.7
TRIAD (PPG-TF 323)	8.0	6.3	5.7	6.7
ATF2116	8.7	5.3	5.7	6.6
DLFPS-321/3693	8.0	5.3	6.3	6.6
DLFPS-321/3706	8.3	6.0	5.3	6.6
K18-WB1	8.0	5.3	6.3	6.6
PPG-TF 257	8.7	5.7	5.3	6.6
PST-5DC24	8.7	5.7	5.3	6.6
PST-5E6	7.7	6.0	6.0	6.6
RH1	8.3	5.0	6.3	6.6
ROVER (PPG-TF 306)	8.3	5.3	6.0	6.6
ROWDIER (DLFPS-321/3699)	8.0	6.3	5.3	6.6

TABLE 37.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT NEWARK, DE 1/
2021 DATA

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

NAME	JUNE	JULY	AUGUST	MEAN
SYMPHONY (PPG-TF 305)	9.0	5.7	5.0	6.6
TEACHER (PPG-TF 313)	7.3	6.0	6.3	6.6
TOUGH (NAI-TUE)	8.3	6.0	5.3	6.6
AST8118LM	8.7	5.7	5.0	6.4
ATF1768	8.7	5.3	5.3	6.4
BAR-FA8230	8.0	6.0	5.3	6.4
DLFPS-321/3707	7.7	6.0	5.7	6.4
FAYETTE	8.0	5.3	6.0	6.4
PPG-TF 267	8.0	5.7	5.7	6.4
AST8218LM	8.3	5.7	5.0	6.3
BANDIT	8.3	5.7	5.0	6.3
ENDGAME (3N1)	8.0	6.0	5.0	6.3
GALACTIC (SESCR1)	7.3	5.7	6.0	6.3
JT 517	8.0	6.0	5.0	6.3
NATURALLY GREEN	8.0	5.3	5.7	6.3
SE5STAR	8.0	5.7	5.3	6.3
BIRMINGHAM	8.0	5.3	5.3	6.2
DLFPS-TF/3553	7.7	5.3	5.7	6.2
FIRENZA II (PPG-TF 244)	8.0	5.3	5.3	6.2
PPG-TF 318	8.3	5.3	5.0	6.2
PST-5DZM	8.0	6.0	4.7	6.2
BULLSEYE	7.7	5.7	5.0	6.1
FAIRFIELD (SETF104)	7.7	5.7	5.0	6.1
GO-AOMK	8.0	5.3	5.0	6.1
PST-5MINK	8.3	5.0	5.0	6.1
RAD-TF115 (TURBO SS)	8.3	5.7	4.3	6.1
BAR FA 8228	7.3	5.3	5.3	6.0
BRAVO 2	8.3	5.0	4.7	6.0
COPIOUS TF	8.3	4.7	5.0	6.0
OG-WALK	7.7	6.0	4.3	6.0
SETFM3	7.7	5.3	5.0	6.0
BGR-TF3	7.3	4.3	6.0	5.9
NAI-FQZ-17	8.0	5.3	4.3	5.9
RAD-TF105	7.7	5.0	5.0	5.9
PALOMAR	7.3	5.3	4.7	5.8
TANGO	8.0	5.0	4.3	5.8
BAR 9FE MAS	7.3	5.0	4.7	5.7
RAD-TF131	7.7	5.0	4.3	5.7
SETFM2	7.3	5.7	4.0	5.7
GRAND PRIX (FC15-01P)	7.7	4.7	4.3	5.6
ESCALADE	7.0	5.0	4.3	5.4
A-TF31	6.7	4.7	4.0	5.1
LSD VALUE	2.6	1.9	1.6	1.0
C.V. (%)	9.6	13.4	14.6	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 38.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA

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

NAME	JUNE	JULY	MEAN
CAPITAN (DLFPS-321/3705)	7.7	6.7	7.2
TITANIUM G-LS (PPG-TF 255)	7.7	6.3	7.0
GO-RH20	7.3	6.3	6.8
PST-5BYOB	7.7	6.0	6.8
ROVER (PPG-TF 306)	7.3	6.0	6.7
TITAN MAX (TF456)	7.3	6.0	6.7
BONFIRE (JS DTT)	6.7	6.3	6.5
COL-TF-148	7.0	6.0	6.5
TITAN GLX (TF445)	7.3	5.7	6.5
DLFPS-321/3707	7.3	5.3	6.3
K18-WB1	7.3	5.3	6.3
RH3	7.0	5.7	6.3
RHL2	6.7	6.0	6.3
TANK (PPG-TF 338)	7.3	5.3	6.3
TD2	7.7	5.0	6.3
TRIAD (PPG-TF 323)	7.3	5.3	6.3
3B2	7.0	5.3	6.2
AH1	7.7	4.7	6.2
DAYBREAK (AH2)	7.0	5.3	6.2
BULLSEYE LTZ	7.7	4.7	6.2
DLFPS-321/3695	6.3	6.0	6.2
FIRENZA II (PPG-TF 244)	6.3	6.0	6.2
PPG-TF 231	7.0	5.3	6.2
PPG-TF 318	7.0	5.3	6.2
RC4	7.3	5.0	6.2
RH1	7.7	4.7	6.2
TOUGH (NAI-TUE)	7.0	5.3	6.2
KIZZLE (K18-ROE)	7.0	5.0	6.0
PPG-TF 262	6.7	5.3	6.0
PST-5THM	7.0	5.0	6.0
ROWDIER (DLFPS-321/3699)	7.3	4.7	6.0
SERENADE (PPG-TF 320)	7.3	4.7	6.0
ZION (BAR TF 134)	7.0	5.0	6.0
DRAGSTER	6.7	5.0	5.8
DYNAMITE G-LS (PPG-TF 254)	7.0	4.7	5.8
NAI-ROS4	6.7	5.0	5.8
PARAMOUNT	5.7	6.0	5.8
TALLADEGA II (NAI-3N2)	6.3	5.3	5.8
DLFPS-321/3708	6.3	5.0	5.7
GRANDE 3	6.0	5.3	5.7
HEMI	6.0	5.3	5.7
PPG-TF 257	6.7	4.7	5.7
PPG-TF 337	6.3	5.0	5.7
RDC	6.3	5.0	5.7
SR 8700 (TMT1)	6.0	5.3	5.7

TABLE 38.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA

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

NAME	JUNE	JULY	MEAN
XANADU (JT 268)	6.0	5.3	5.7
5LSS	6.3	4.7	5.5
AVENGER III (PPG-TF 308)	5.7	5.3	5.5
BLADERUNNER 3 (DLFPS-321/3701)	6.3	4.7	5.5
GALACTIC (SESCR1)	6.7	4.3	5.5
LIFEGUARD	6.3	4.7	5.5
MOONDANCE GLX	6.3	4.7	5.5
PADRE 2	5.3	5.7	5.5
PPG-TF 267	6.7	4.3	5.5
PPG-TF 316	6.7	4.3	5.5
PST-5E6	6.3	4.7	5.5
PST-5GLBS	6.0	5.0	5.5
RAPTOR LS (PPG-TF 336)	5.7	5.3	5.5
RHF	5.7	5.3	5.5
SPYDER 2LS (ZRC1)	5.7	5.3	5.5
DEGAS (LTP-TF-111)	6.0	4.7	5.3
DLFPS-321/3693	6.3	4.3	5.3
DLFPS-321/3706	6.3	4.3	5.3
FASTLANE (BY-TF-169)	5.7	5.0	5.3
FIRECRACKER G-LS (PPG-TF 315)	6.3	4.3	5.3
GRO-PRO (SE53D2)	6.3	4.3	5.3
K18-RS6	6.3	4.3	5.3
PPG-TF 249	6.7	4.0	5.3
PRO GOLD	5.7	5.0	5.3
PST-5DC24	6.0	4.7	5.3
RS1	5.7	5.0	5.3
SE5STAR	6.7	4.0	5.3
ATF2116	5.7	4.7	5.2
DLFPS-321/3694	6.0	4.3	5.2
ENDGAME (3N1)	6.3	4.0	5.2
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	4.3	5.2
FIREHAWK SLT	6.0	4.3	5.2
HOUNDOG NINE (DLFPS-321/3702)	6.0	4.3	5.2
JT 233	5.3	5.0	5.2
NAI-ST5	6.0	4.3	5.2
SYMPHONY (PPG-TF 305)	6.3	4.0	5.2
ATF1768	5.7	4.3	5.0
BULLSEYE	6.3	3.7	5.0
DLFPS-321/3703	6.0	4.0	5.0
KENTUCKY-31	6.7	3.3	5.0
MONUMENT (PST-5SQB)	6.0	4.0	5.0
RACEWAY (DLFPS-321/3696)	5.7	4.3	5.0
STEALTH (PPG-TF 238)	6.0	4.0	5.0
TEACHER (PPG-TF 313)	5.3	4.7	5.0
BRAVO 2	5.7	4.0	4.8

TABLE 38.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT RALEIGH, NC 1/
2021 DATA

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

NAME	JUNE	JULY	MEAN
GALLARDO (DLFPS-TF/3550)	5.7	4.0	4.8
OKEEFE (LTP-TF-122)	5.7	4.0	4.8
RAPTOR III	5.7	4.0	4.8
DLFPS-TF/3553	5.0	4.3	4.7
ESCALADE	5.7	3.7	4.7
ESTRENA	5.3	4.0	4.7
NT-3	5.7	3.7	4.7
PST-5TRN	5.3	4.0	4.7
SETFM3	5.3	4.0	4.7
A-TF31	5.7	3.3	4.5
FAIRFIELD (SETF104)	6.0	3.0	4.5
FAYETTE	4.7	4.3	4.5
GLX ACED (PST-5DART)	4.7	4.3	4.5
GO-AOMK	5.3	3.7	4.5
JT 517	5.3	3.7	4.5
OG-WALK	5.3	3.7	4.5
PST-5GQ	5.7	3.3	4.5
PST-5MCMO	5.7	3.3	4.5
RAD-TF105	5.0	4.0	4.5
AST8118LM	5.3	3.3	4.3
BAR-FA8230	5.0	3.7	4.3
LBF	4.7	4.0	4.3
NAI-FQZ-17	4.3	4.3	4.3
PST-5MINK	5.0	3.7	4.3
AST8218LM	4.7	3.7	4.2
GRAND PRIX (FC15-01P)	4.7	3.7	4.2
K18-NSE	4.7	3.7	4.2
NATURALLY GREEN	4.7	3.7	4.2
SETFM2	4.7	3.7	4.2
BAR 9FE MAS	5.0	3.0	4.0
BENTLEY (DLFPS-321/3679)	5.0	3.0	4.0
PPG-TF 312	4.3	3.7	4.0
BANDIT	4.3	3.3	3.8
BAR FA 8228	4.3	3.3	3.8
BIRMINGHAM	4.3	3.3	3.8
COPIOUS TF	4.0	3.7	3.8
PALOMAR	4.7	3.0	3.8
PST-5DZM	4.3	3.3	3.8
BGR-TF3	4.0	3.3	3.7
RAD-TF115 (TURBO SS)	4.3	3.0	3.7
TANGO	4.0	3.3	3.7
RAD-TF131	3.7	3.0	3.3
LSD VALUE	2.3	2.0	1.7
C.V. (%)	19.2	22.3	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.

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS */
2021 DATA

TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
3B2	5.9	9.5	FIRENZA II (PPG-TF 244)	6.3	47.6
5LSS	6.2	33.3	GALACTIC (SESCR1)	6.2	42.9
A-TF31	5.5	0.0	GALLARDO (DLFPS-TF/3550)	6.2	61.9
AH1	6.4	66.7	GLX ACED (PST-5DART)	5.9	4.8
DAYBREAK (AH2)	6.4	66.7	GO-AOMK	5.6	4.8
AST8118LM	5.5	4.8	GO-RH20	6.3	52.4
AST8218LM	5.4	4.8	GRAND PRIX (FC15-01P)	5.3	0.0
ATF1768	5.7	9.5	GRANDE 3	5.8	4.8
ATF2116	5.7	4.8	GRO-PRO (SE53D2)	5.6	4.8
AVENGER III (PPG-TF 308)	6.3	47.6	HEMI	6.0	14.3
BANDIT	5.5	9.5	HOUND DOG NINE (DLFPS-321/3702)	6.2	52.4
BAR 9FE MAS	5.3	4.8	JT 233	6.0	9.5
BAR FA 8228	5.2	9.5	JT 517	5.7	14.3
BAR-FA8230	5.5	9.5	K18-NSE	6.1	28.6
BENTLEY (DLFPS-321/3679)	6.0	23.8	K18-RS6	6.3	57.1
BGR-TF3	5.5	9.5	K18-WB1	6.2	28.6
BIRMINGHAM	5.5	4.8	KENTUCKY-31	4.0	0.0
BLADERUNNER 3 (DLFPS-321/3701)	6.2	42.9	KIZZLE (K18-ROE)	6.1	9.5
BONFIRE (JS DTT)	6.2	38.1	LBF	5.6	9.5
BRAVO 2	5.6	4.8	LIFEGUARD	5.8	9.5
BULLSEYE	5.6	9.5	MONUMENT (PST-5SQB)	5.5	4.8
BULLSEYE LTZ	6.2	33.3	MOONDANCE GLX	5.7	4.8
CAPITAN (DLFPS-321/3705)	6.3	57.1	NAI-FQZ-17	5.5	9.5
COL-TF-148	6.2	42.9	NAI-ROS4	6.2	38.1
COPIOUS TF	5.6	4.8	NAI-ST5	6.2	42.9
DEGAS (LTP-TF-111)	6.2	38.1	NATURALLY GREEN	5.5	9.5
DLFPS-321/3693	6.1	14.3	NT-3	6.1	28.6
DLFPS-321/3694	5.9	19.0	OG-WALK	5.1	4.8
DLFPS-321/3695	6.1	47.6	OKEEFE (LTP-TF-122)	6.1	23.8
DLFPS-321/3703	5.9	14.3	PADRE 2	6.0	4.8
DLFPS-321/3706	6.1	33.3	PALOMAR	5.2	0.0
DLFPS-321/3707	6.3	42.9	PARAMOUNT	6.0	23.8
DLFPS-321/3708	6.2	47.6	PPG-TF 231	6.0	28.6
DLFPS-TF/3553	6.2	47.6	PPG-TF 249	6.1	28.6
DRAGSTER	6.0	28.6	PPG-TF 257	6.1	23.8
DYNAMITE G-LS (PPG-TF 254)	6.2	47.6	PPG-TF 262	6.4	85.7
ENDGAME (3N1)	5.9	19.0	PPG-TF 267	6.3	38.1
ESCALADE	5.3	4.8	PPG-TF 312	6.0	38.1
ESSENTIAL 2 (DLFPS-TF/3552)	6.2	28.6	PPG-TF 316	6.3	61.9
ESTRENA	5.8	9.5	PPG-TF 318	6.0	23.8
FAIRFIELD (SETF104)	5.8	4.8	PPG-TF 337	6.2	42.9
FASTLANE (BY-TF-169)	6.2	57.1	PRO GOLD	5.6	4.8
FAYETTE	5.7	9.5	PST-5BYOB	5.8	4.8
FIRECRACKER G-LS (PPG-TF 315)	6.2	38.1	PST-5DC24	5.7	9.5
FIREHAWK SLT	6.0	19.0	PST-5DZM	5.7	0.0

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS
(CONT'D) 2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PST-5E6	5.9	19.0
PST-5GLBS	5.9	19.0
PST-5GQ	5.9	14.3
PST-5MCMO	5.9	19.0
PST-5MINK	5.5	0.0
PST-5THM	5.7	4.8
PST-5TRN	5.8	4.8
RACEWAY (DLFPS-321/3696)	6.0	23.8
RAD-TF105	5.8	9.5
RAD-TF115 (TURBO SS)	5.4	9.5
RAD-TF131	5.4	9.5
RAPTOR III	6.0	14.3
RAPTOR LS (PPG-TF 336)	6.3	52.4
RC4	6.1	19.0
RDC	6.2	47.6
RH1	6.2	33.3
RH3	6.2	33.3
RHF	6.1	38.1
RHL2	6.3	57.1
ROVER (PPG-TF 306)	6.2	38.1
ROWDIER (DLFPS-321/3699)	6.1	19.0
RS1	6.2	38.1
SE5STAR	5.5	0.0
SERENADE (PPG-TF 320)	6.3	47.6
SETFM2	5.5	14.3
SETFM3	5.7	4.8
SPYDER 2LS (ZRC1)	6.3	57.1
SR 8700 (TMT1)	6.1	28.6
STEALTH (PPG-TF 238)	6.1	33.3
SYMPHONY (PPG-TF 305)	6.2	57.1
TALLADEGA II (NAI-3N2)	6.0	4.8
TANGO	5.7	9.5
TANK (PPG-TF 338)	6.2	38.1
TD2	6.3	61.9
TEACHER (PPG-TF 313)	6.2	47.6
TITAN GLX (TF445)	6.3	38.1
TITAN MAX (TF456)	6.1	19.0
TITANIUM G-LS (PPG-TF 255)	6.3	61.9
TOUGH (NAI-TUE)	5.9	19.0
TRIAD (PPG-TF 323)	6.3	47.6
XANADU (JT 268)	6.2	57.1
ZION (BAR TF 134)	6.3	47.6
LSD VALUE	0.2	
C.V. (%)	7.6	

*/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
 **/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
 1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
 2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.