

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association, one member from the Sports Turf Managers Association of America (STMA), and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2018 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2022

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
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
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 USA	*47	Monument (PST-5SQB)	Site One Land. Supply	*91	Rover (PPG-TF 306)	Landmark Turf & Native Seed
4	DLFPS-321/3694	DLF USA	48	PST-5DZM	Pure Seed Testing	92	PPG-TF 318	Peak Plant Genetics LLC
5	DLFPS-321/3695	DLF USA	*49	GLX Revive (PST-5GLBS)	Pure Seed Testing	*93	Bullseye	Standard
*6	SR 8700 (TMT1)	DLF 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 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	TopShelf (BGR-TF3)	Berger International	*55	Copious TF	Site One Land. Supply	*99	Providence (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 USA	*57	Bravo 2	Site One Land. Supply	*101	Lafayette (GO-AOMK)	Grassland Oregon Seed
*14	Essential 2 (DLFPS-TF/3552)	DLF USA	58	NAI-FQZ-17	Lakeside Ag. Ventures	*102	Talladega II (NAI-3N2)	The Scotts Company
15	DLFPS-TF/3553	DLF USA	*59	Capitan (DLFPS-321/3705)	DLF USA	*103	Battle Hawk (NAI-ROS4)	Landmark Turf & Native Seed
*16	Bentley (DLFPS-321/3679)	DLF USA	60	DLFPS-321/3706	DLF USA	*104	Tough (NAI-TUE)	The Scotts Company
17	LBF	Tualatin Valley Seeds	61	DLFPS-321/3707	DLF USA	105	NAI-ST5	Landmark Turf & Native Seed
18	TD2	Pennington Seed	62	DLFPS-321/3708	DLF USA	*106	Gro-Pro (SE53D2)	Smith Seed Services, LLC
*19	Raceway (DLFPS-321/3696)	DLF USA	*63	Zion (BAR TF 134)	Barenbrug USA	107	SESSTAR	Smith Seed Services, LLC
*20	Rowdier (DLFPS-321/3699)	DLF USA	64	BAR-FA8230	Barenbrug USA	*108	Galactic (SESCR1)	Smith Seed Services, LLC
*21	Grande 3	DLF USA	*65	Clash (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	Expanse (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	DLF USA	*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	Falcon Supreme (RH1)	ProSeeds Marketing Inc.	*116	Raptor III	Standard
*29	O'Keefe (LTP-TF-122)	Lebanon Seaboard Corp.	73	Finelawn Supreme (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 USA	78	PPG-TF 316	Lewis Seed Co.	122	Estrena	Semillas Dalmau
*35	Houndog Nine (DLFPS-321/3702)	DLF USA	79	RC4	Semillas Fito	*123	AST818LM	Allied Seed LLC
36	DLFPS-321/3703	DLF USA	*80	Valsetz (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	DLF USA Seed
*39	Extravaganza (PST-5MCMO)	Pure Seed Testing	*83	Avenger III (PPG-TF 308)	Mountain View Seeds	*127	Escalade	DLF USA Seed
*40	Pro Gold	Integrated Seed Growers	*84	Titanium G-LS (PPG-TF 255)	Mountain View Seeds	*128	OG-WALK	DLF USA Seed
*41	Hellcat GLR (PST-5E6)	Turf Merchants	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	Oriole (PST-5BYOB)	Newsom Seed	*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 2023

TABLE A.

2022 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 CLAY 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+	NO IRRIGATION
KS1	SILTY CLAY LOAM	7.1-7.5	61-150	0-150	1.1-2.0	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	-	-	-	-	-	-	-	-
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	3.1-4.0	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	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
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	7.6-8.5	-	-	-	FULL SUN	2.1-2.5	TO PREVENT STRESS
UT2	SILT LOAM AND SILT	7.6-8.5	-	-	-	FULL SUN	2.1-2.5	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 2022

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	X
DE1			X	X	X	X	X	X	X	X	X		X	X	X
GA1	X	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	X	X			X		
MA1				X	X	X	X	X	X	X	X				
MD1				X	X	X	X	X	X	X	X			X	
MI1					X	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			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		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	X					
VA2				X	X	X	X	X	X	X					

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2022

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE WILTING	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	PINK SNOW MOLD
CT1	X	X	X								
DE1	X								X		
GA1											
IA1	X	X	X	X	X	X					
IA2	X	X	X								
IA3	X	X	X								
IN1		X						X	X		
KS1											
MA1											
MD1											
MI1			X								
MS1		X					X				
NC1	X		X						X		
NE1	X		X								
NJ1											
NJ2											
NJ3											
OK1	X	X	X	X	X	X	X			X	
ON1	X	X	X		X	X					
OR1											
TN1	X	X	X	X	X	X					
UT1											
UT2					X						
VA1	X								X		
VA2	X										

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2022

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

* MORE DATA FOR IA2, IA3 AND NJ3 IN TABLE 10, 13 AND 12.

TABLE 1.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2022 DATA

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

NAME	ENTRY #	CT1	NJ2	MD1	VA1	DE1	NC1	GA1	IN1	OK1	KS1	UT1	OR1	MEAN
* DAYBREAK (AH2)	69	6.9	7.4	7.8	6.8	7.1	7.0	8.0	6.5	5.8	4.8	7.2	6.5	7.3
* XANADU (JT 268)	75	6.8	6.8	7.7	6.7	7.0	6.6	7.9	6.3	5.7	4.4	7.1	6.4	7.1
* BONFIRE (JS DTT)	24	6.7	6.8	7.6	6.6	6.9	6.7	7.8	6.1	5.6	4.6	7.0	6.2	7.0
* FIRENZA II (PPG-TF 244)	76	6.7	6.8	7.6	6.6	6.9	6.6	7.8	6.2	5.6	4.3	7.0	6.3	7.0
* GRANDER (PPG-TF 267)	68	6.8	6.4	7.7	6.7	7.0	6.5	7.9	6.2	5.7	4.3	7.1	6.4	7.0
K18-RS6	70	6.6	6.9	7.6	6.5	6.8	6.6	7.8	6.2	5.5	4.5	6.9	6.2	7.0
PPG-TF 316	78	6.7	6.5	7.6	6.6	6.9	6.6	7.8	6.1	5.6	4.5	7.1	6.2	7.0
DLFPS-321/3707	61	6.7	6.7	7.6	6.6	6.9	6.6	7.8	6.1	5.5	4.5	7.0	6.2	7.0
* EXPANSE (PPG-TF 262)	67	6.8	6.3	7.7	6.7	6.9	6.4	7.8	6.2	5.7	4.2	7.1	6.4	7.0
* CLASH (AH1)	65	6.7	6.6	7.6	6.6	6.8	6.5	7.8	6.1	5.5	4.2	7.0	6.3	6.9
* CAPITAN (DLFPS-321/3705)	59	6.7	6.4	7.6	6.4	6.9	6.6	7.8	5.9	5.6	4.9	7.1	6.0	6.9
RS1	9	6.6	6.5	7.5	6.4	6.8	6.6	7.7	6.0	5.5	4.8	7.0	6.0	6.9
RC4	79	6.6	6.6	7.5	6.5	6.8	6.5	7.7	6.1	5.5	4.3	6.9	6.2	6.9
RHL2	115	6.7	7.1	7.7	6.6	6.9	6.8	7.9	6.2	5.6	4.6	7.0	6.3	6.9
5LSS	10	6.7	6.3	7.6	6.6	6.8	6.4	7.7	6.1	5.6	4.1	7.0	6.3	6.9
* DYNAMITE G-LS (PPG-TF 254)	82	6.7	6.2	7.6	6.5	6.9	6.4	7.8	6.0	5.6	4.5	7.1	6.1	6.9
* VALSETZ (PPG-TF 257)	80	6.7	6.2	7.6	6.5	6.8	6.5	7.7	6.0	5.6	4.5	7.1	6.1	6.9
TD2	18	6.7	6.1	7.6	6.5	6.9	6.5	7.7	6.0	5.6	4.5	7.1	6.1	6.9
RDC	25	6.6	6.5	7.5	6.5	6.8	6.4	7.7	6.0	5.5	4.2	6.9	6.2	6.9
* GALLARDO (DLFPS-TF/3550)	13	6.7	6.2	7.6	6.5	6.8	6.4	7.7	6.0	5.6	4.3	7.0	6.2	6.9
COL-TF-148	28	6.7	6.1	7.6	6.5	6.9	6.4	7.7	6.0	5.6	4.4	7.1	6.2	6.8
* BLADERUNNER 3 (DLFPS-321/3701)	34	6.7	6.0	7.6	6.5	6.9	6.4	7.7	6.0	5.6	4.4	7.1	6.1	6.8
FINELAWN SUPREME (RH3)	73	6.6	6.3	7.6	6.6	6.8	6.3	7.7	6.1	5.5	3.9	6.9	6.3	6.8
* SYMPHONY (PPG-TF 305)	77	6.6	6.2	7.5	6.5	6.8	6.4	7.7	5.9	5.5	4.5	7.0	6.1	6.8
* ZION (BAR TF 134)	63	6.6	6.2	7.5	6.5	6.8	6.4	7.7	5.9	5.5	4.5	7.0	6.1	6.8
* FALCON SUPREME (RH1)	72	6.6	6.1	7.5	6.5	6.8	6.4	7.7	5.9	5.5	4.5	7.0	6.1	6.8
* DEGAS (LTP-TF-111)	30	6.7	6.0	7.5	6.5	6.8	6.4	7.7	5.9	5.6	4.5	7.0	6.1	6.8
DLFPS-321/3708	62	6.7	6.0	7.6	6.5	6.8	6.4	7.7	6.0	5.6	4.4	7.1	6.1	6.8
K18-WB1	71	6.6	6.3	7.5	6.5	6.8	6.4	7.7	6.0	5.5	4.3	6.9	6.1	6.8
DLFPS-TF/3553	15	6.7	5.9	7.6	6.5	6.8	6.4	7.7	5.9	5.6	4.4	7.1	6.1	6.8
K18-NSE	32	6.5	6.5	7.4	6.4	6.7	6.4	7.6	6.0	5.4	4.2	6.8	6.1	6.8
* HOUND OG NINE (DLFPS-321/3702)	35	6.6	6.1	7.5	6.4	6.8	6.4	7.7	5.9	5.5	4.5	7.0	6.0	6.8
* OKEEFE (LTP-TF-122)	29	6.6	6.1	7.5	6.5	6.8	6.3	7.7	6.0	5.5	4.2	7.0	6.1	6.8
* STEALTH (PPG-TF 238)	81	6.6	6.2	7.5	6.5	6.8	6.3	7.7	6.0	5.5	4.1	6.9	6.1	6.8
DLFPS-321/3693	3	6.7	5.9	7.6	6.5	6.8	6.3	7.7	6.0	5.6	4.1	7.0	6.2	6.8
* ESSENTIAL 2 (DLFPS-TF/3552)	14	6.6	6.3	7.5	6.4	6.7	6.4	7.6	5.9	5.4	4.4	6.9	6.0	6.8
PPG-TF 249	66	6.7	5.8	7.6	6.5	6.8	6.3	7.7	6.0	5.6	4.2	7.1	6.2	6.8
* TITAN GLX (TF445)	129	6.7	6.8	7.6	6.5	6.9	6.8	7.8	6.1	5.6	4.9	7.1	6.1	6.8
DLFPS-321/3695	5	6.6	6.0	7.5	6.4	6.7	6.3	7.6	5.8	5.5	4.4	7.0	6.0	6.7
NT-3	8	6.6	5.8	7.5	6.4	6.7	6.3	7.6	5.8	5.5	4.3	7.0	6.0	6.7
DLFPS-321/3706	60	6.6	5.8	7.5	6.4	6.7	6.2	7.6	5.9	5.5	4.1	7.0	6.0	6.7
* FASTLANE (BY-TF-169)	33	6.5	5.9	7.4	6.3	6.7	6.3	7.6	5.7	5.4	4.6	6.9	5.8	6.7
* HELLCAT GLR (PST-5E6)	41	6.4	6.0	7.3	6.2	6.6	6.4	7.5	5.6	5.3	4.8	6.8	5.7	6.6
* TITANIUM G-LS (PPG-TF 255)	84	6.7	6.5	7.6	6.6	6.9	6.6	7.8	6.1	5.6	4.7	7.1	6.2	6.6
* SR 8700 (TMT1)	6	6.5	5.7	7.4	6.3	6.7	6.2	7.5	5.7	5.4	4.5	6.9	5.8	6.6
* GALACTIC (SESCR1)	108	6.6	6.6	7.5	6.5	6.8	6.5	7.7	6.1	5.5	4.4	6.9	6.1	6.6
* GLX REVIVE (PST-5GLBS)	49	6.5	5.8	7.3	6.2	6.6	6.3	7.5	5.6	5.4	4.8	6.9	5.7	6.6
* EXTRAVAGANZA (PST-5MCMO)	39	6.5	5.8	7.3	6.2	6.6	6.3	7.5	5.6	5.3	4.8	6.9	5.6	6.6

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2022 DATA

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

NAME	ENTRY #	CT1	NJ2	MD1	VA1	DE1	NC1	GA1	IN1	OK1	KS1	UT1	OR1	MEAN
* SPYDER 2LS (ZRC1)	89	6.7	6.5	7.6	6.6	6.9	6.5	7.8	6.1	5.6	4.4	7.0	6.3	6.6
RHF	117	6.7	6.5	7.6	6.5	6.8	6.5	7.7	6.1	5.5	4.4	7.0	6.2	6.6
DLFPS-321/3694	4	6.5	5.5	7.4	6.4	6.6	6.0	7.5	5.8	5.4	3.8	6.9	6.0	6.6
* GLX ACED (PST-5DART)	50	6.5	5.6	7.3	6.3	6.6	6.1	7.4	5.7	5.3	4.1	6.8	5.9	6.5
PST-5GQ	38	6.4	5.7	7.3	6.2	6.6	6.1	7.4	5.6	5.3	4.2	6.8	5.8	6.5
* RACEWAY (DLFPS-321/3696)	19	6.5	5.3	7.4	6.3	6.6	6.0	7.5	5.7	5.4	4.0	6.9	5.9	6.5
* ROVER (PPG-TF 306)	91	6.7	6.3	7.6	6.6	6.9	6.4	7.8	6.1	5.6	4.1	7.0	6.3	6.5
JT 233	74	6.5	5.5	7.3	6.3	6.6	5.9	7.4	5.8	5.3	3.6	6.8	6.0	6.5
* RAPTOR LS (PPG-TF 336)	87	6.7	6.3	7.6	6.6	6.8	6.4	7.7	6.1	5.6	4.2	7.0	6.2	6.5
* KIZZLE (K18-ROE)	31	6.6	5.1	7.4	6.3	6.6	6.0	7.5	5.6	5.4	4.2	7.0	5.8	6.5
PPG-TF 318	92	6.6	6.3	7.5	6.4	6.8	6.5	7.7	6.0	5.5	4.5	7.0	6.1	6.5
* PARAMOUNT	2	6.5	5.2	7.3	6.3	6.6	5.9	7.4	5.7	5.4	3.7	6.9	6.0	6.5
* BULLSEYE LTZ	96	6.7	6.2	7.6	6.6	6.9	6.3	7.8	6.1	5.6	4.0	7.0	6.3	6.5
* LIFE GUARD	44	6.5	5.4	7.3	6.2	6.6	6.1	7.4	5.5	5.3	4.4	6.9	5.7	6.5
* TRIAD (PPG-TF 323)	120	6.7	6.2	7.6	6.6	6.8	6.4	7.7	6.1	5.6	4.3	7.0	6.2	6.5
* BENTLEY (DLFPS-321/3679)	16	6.6	5.1	7.3	6.3	6.6	6.0	7.5	5.6	5.4	4.2	7.0	5.8	6.5
* PROVIDENCE (GO-RH20)	99	6.8	6.1	7.7	6.7	6.9	6.4	7.8	6.1	5.7	4.2	7.1	6.3	6.5
* AVENGER III (PPG-TF 308)	83	6.7	6.2	7.6	6.6	6.9	6.5	7.8	6.0	5.6	4.5	7.1	6.2	6.5
PST-5TRN	37	6.5	5.3	7.3	6.2	6.5	6.0	7.4	5.5	5.3	4.4	6.9	5.7	6.4
* ROWDIER (DLFPS-321/3699)	20	6.6	4.9	7.4	6.3	6.6	5.9	7.5	5.5	5.4	4.2	7.0	5.8	6.4
* TEACHER (PPG-TF 313)	118	6.7	6.1	7.6	6.5	6.8	6.4	7.7	6.0	5.6	4.4	7.1	6.1	6.4
* GRANDE 3	21	6.5	5.1	7.3	6.2	6.5	6.0	7.4	5.5	5.3	4.3	6.9	5.7	6.4
PPG-TF 337	88	6.7	6.1	7.6	6.5	6.8	6.4	7.7	6.0	5.6	4.4	7.1	6.2	6.4
* PADRE 2	56	6.5	4.9	7.3	6.3	6.6	5.7	7.4	5.6	5.4	3.7	6.9	5.9	6.4
PPG-TF 312	85	6.4	6.4	7.3	6.2	6.6	6.4	7.5	5.8	5.3	4.5	6.8	5.8	6.4
PST-5THM	42	6.4	5.1	7.2	6.0	6.5	6.1	7.4	5.3	5.3	4.7	6.9	5.5	6.4
* FIRECRACKER G-LS (PPG-TF 315)	86	6.6	6.1	7.5	6.5	6.8	6.4	7.7	5.9	5.5	4.4	7.0	6.1	6.4
* BATTLE HAWK (NAI-ROS4)	103	6.7	6.0	7.6	6.6	6.8	6.2	7.7	6.0	5.6	4.0	7.0	6.2	6.3
* DRAGSTER	98	6.6	6.0	7.5	6.4	6.7	6.4	7.6	5.8	5.5	4.6	7.0	6.0	6.3
* ENDGAME (3N1)	53	6.5	4.7	7.3	6.3	6.5	5.5	7.3	5.6	5.3	3.2	6.8	6.0	6.3
* SERENADE (PPG-TF 320)	119	6.7	5.9	7.6	6.6	6.8	6.3	7.7	6.0	5.6	4.2	7.1	6.2	6.3
PST-5DZM	48	6.5	4.6	7.2	6.1	6.5	5.7	7.3	5.4	5.3	4.0	6.9	5.6	6.3
DLFPS-321/3703	36	6.6	4.3	7.3	6.3	6.5	5.5	7.4	5.5	5.4	3.5	6.9	5.8	6.3
* TITAN MAX (TF456)	130	6.6	5.9	7.5	6.5	6.8	6.3	7.6	5.9	5.5	4.2	7.0	6.1	6.3
* TANK (PPG-TF 338)	121	6.7	5.8	7.5	6.5	6.8	6.2	7.6	5.9	5.5	4.0	7.0	6.1	6.2
ATF1768	12	6.3	4.7	7.1	6.0	6.4	5.8	7.2	5.2	5.2	4.2	6.8	5.4	6.2
NAI-ST5	105	6.7	5.7	7.5	6.5	6.8	6.2	7.6	5.9	5.5	4.0	7.0	6.1	6.2
ATF2116	7	6.4	4.3	7.1	5.9	6.4	5.7	7.2	5.1	5.2	4.3	6.8	5.3	6.1
JT 517	23	6.5	3.8	7.2	6.1	6.5	5.5	7.3	5.2	5.4	3.9	7.0	5.5	6.1
* ORIOLE (PST-5BYOB)	43	6.4	4.3	7.1	6.0	6.3	5.5	7.2	5.2	5.2	3.7	6.8	5.5	6.1
PST-5DC24	51	6.4	3.9	7.1	6.1	6.4	5.4	7.2	5.2	5.3	3.7	6.9	5.5	6.1
* MONUMENT (PST-5SQB)	47	6.2	4.6	7.0	5.9	6.2	5.5	7.1	5.2	5.0	3.7	6.6	5.4	6.1
* PRO GOLD	40	6.4	3.8	7.1	6.0	6.4	5.4	7.2	5.2	5.2	3.6	6.8	5.5	6.0
LBF	17	6.3	4.0	7.0	5.9	6.3	5.5	7.1	5.1	5.2	3.9	6.8	5.4	6.0
* MOONDANCE GLX	46	6.3	3.9	7.0	5.9	6.3	5.4	7.1	5.1	5.2	3.7	6.8	5.4	6.0
* FAIRFIELD (SETF104)	109	6.5	5.6	7.3	6.3	6.6	6.0	7.4	5.7	5.3	4.0	6.8	5.9	6.0
* TANGO	52	6.4	3.8	7.1	6.0	6.3	5.4	7.1	5.1	5.2	3.7	6.8	5.4	6.0

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2022 DATA

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

NAME	ENTRY #	CT1	NJ2	MD1	VA1	DE1	NC1	GA1	IN1	OK1	KS1	UT1	OR1	MEAN
* RAPTOR III	116	6.6	5.3	7.4	6.4	6.7	6.1	7.6	5.7	5.5	4.2	7.0	5.9	6.0
* FAYETTE	22	6.3	4.0	7.0	6.0	6.3	5.2	7.1	5.2	5.1	3.1	6.7	5.6	6.0
* COPIOUS TF	55	6.2	4.1	7.0	5.9	6.2	5.3	7.1	5.1	5.1	3.5	6.6	5.4	6.0
* HEMI	95	6.5	5.4	7.3	6.3	6.6	6.0	7.5	5.7	5.4	4.1	6.9	5.8	6.0
RAD-TF105	113	6.5	5.5	7.3	6.3	6.6	6.0	7.4	5.7	5.3	4.0	6.8	5.9	6.0
PST-5MINK	45	6.2	4.1	6.9	5.9	6.2	5.3	7.0	5.1	5.1	3.4	6.6	5.4	5.9
BAR-FA8230	64	6.2	4.0	6.9	5.7	6.2	5.6	7.0	4.9	5.0	4.3	6.7	5.0	5.9
* FIREHAWK SLT	94	6.7	5.2	7.5	6.5	6.7	6.0	7.6	5.8	5.6	3.9	7.1	6.1	5.9
* TOPSHELF (BGR-TF3)	11	6.3	3.6	7.0	5.9	6.2	5.2	7.0	5.0	5.1	3.5	6.7	5.3	5.9
* NATURALLY GREEN	1	6.2	3.6	6.9	5.8	6.2	5.3	7.0	4.9	5.1	3.8	6.7	5.2	5.9
PPG-TF 231	90	6.7	5.0	7.5	6.5	6.7	5.8	7.6	5.8	5.6	3.6	7.0	6.1	5.8
* BRAVO 2	57	6.3	3.1	7.0	5.9	6.2	5.0	7.0	5.0	5.1	3.1	6.7	5.4	5.8
NAI-FQZ-17	58	6.2	3.4	6.9	5.8	6.1	5.1	6.9	4.9	5.0	3.4	6.6	5.3	5.8
* BANDIT	54	6.3	3.1	6.9	5.9	6.2	5.0	6.9	4.9	5.1	3.2	6.7	5.3	5.8
BAR FA 8228	27	6.0	3.4	6.7	5.5	6.0	5.2	6.8	4.6	4.8	4.0	6.5	4.8	5.6
3B2	112	6.5	4.7	7.3	6.3	6.5	5.7	7.4	5.5	5.4	3.8	6.9	5.8	5.6
ESTRENA	122	6.4	4.7	7.2	6.3	6.4	5.4	7.3	5.6	5.3	2.9	6.7	6.0	5.5
BAR 9FE MAS	26	5.9	3.2	6.6	5.4	5.9	5.0	6.7	4.5	4.8	3.7	6.4	4.8	5.5
* GRO-PRO (SE53D2)	106	6.3	4.6	7.0	5.9	6.3	5.7	7.2	5.2	5.1	4.0	6.7	5.4	5.4
* TALLADEGA II (NAI-3N2)	102	6.5	4.4	7.3	6.3	6.5	5.5	7.3	5.5	5.4	3.4	6.9	5.8	5.4
SETFM3	111	6.4	4.3	7.2	6.1	6.4	5.6	7.3	5.3	5.3	3.8	6.8	5.6	5.4
* TOUGH (NAI-TUE)	104	6.3	4.2	7.0	6.0	6.3	5.4	7.1	5.2	5.2	3.6	6.7	5.5	5.2
* BULLSEYE	93	6.3	3.9	7.0	5.9	6.2	5.3	7.0	5.1	5.1	3.5	6.7	5.4	5.1
RAD-TF115 (TURBO SS)	97	6.1	4.0	6.9	5.8	6.1	5.2	7.0	5.1	5.0	3.3	6.5	5.4	5.1
* LAFAYETTE (GO-AOMK)	101	6.4	3.7	7.1	6.1	6.3	5.2	7.1	5.3	5.3	3.1	6.8	5.7	5.1
RAD-TF131	114	6.2	3.8	6.9	5.8	6.2	5.2	7.0	5.0	5.0	3.4	6.6	5.4	5.0
SETFM2	110	6.3	3.8	7.0	5.9	6.2	5.2	7.0	5.1	5.1	3.4	6.7	5.4	5.0
SE5STAR	107	6.2	3.7	6.9	5.8	6.2	5.2	7.0	5.0	5.0	3.5	6.6	5.3	4.9
A-TF31	125	6.3	3.6	7.0	5.9	6.2	5.1	7.0	5.1	5.1	3.1	6.7	5.5	4.9
* GRAND PRIX (FC15-01P)	131	6.0	3.8	6.7	5.6	6.0	5.2	6.8	4.8	4.9	3.5	6.5	5.1	4.9
* AST8218LM	124	6.2	3.5	6.8	5.8	6.1	5.1	6.9	4.9	5.0	3.4	6.6	5.2	4.8
* BIRMINGHAM	100	6.1	3.5	6.8	5.8	6.1	5.0	6.9	4.9	5.0	3.1	6.5	5.3	4.8
* AST8118LM	123	6.3	3.0	6.9	5.9	6.2	4.9	6.9	4.9	5.1	3.0	6.7	5.4	4.6
* ESCALADE	127	6.0	3.1	6.7	5.5	6.0	5.0	6.7	4.6	4.9	3.6	6.5	4.9	4.5
* PALOMAR	126	5.9	3.0	6.5	5.4	5.8	4.9	6.6	4.4	4.7	3.7	6.4	4.7	4.5
* OG-WALK	128	5.9	2.6	6.5	5.4	5.8	4.7	6.6	4.4	4.7	3.4	6.4	4.7	4.3
* KENTUCKY-31	132	4.9	1.3	5.4	4.1	4.8	3.9	5.5	3.1	3.7	3.2	5.5	3.3	3.1
LSL VALUE		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		7.5	9.2	6.6	7.8	7.4	8.1	6.5	8.6	9.0	12.0	7.1	8.3	7.8

* COMMERCIALY AVAILABLE IN THE USA IN 2023

** 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 */
 2022 DATA

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

NAME	ENTRY #	MS1	TN1	IA1	NE1	MEAN
JT 517	23	4.3	7.5	6.0	7.1	6.2
CAPITAN (DLFPS-321/3705)	59	4.6	7.4	5.8	7.0	6.2
PST-5THM	42	4.6	7.4	5.8	6.9	6.2
ROWDIER (DLFPS-321/3699)	20	4.3	7.4	5.9	7.0	6.2
ATF2116	7	4.5	7.4	5.8	6.9	6.2
GLX REVIVE (PST-5GLBS)	49	4.6	7.3	5.8	6.9	6.1
KIZZLE (K18-ROE)	31	4.3	7.3	5.9	7.0	6.1
EXTRAVAGANZA (PST-5MCMO)	39	4.6	7.3	5.7	6.9	6.1
DLFPS-TF/3553	15	4.2	7.3	5.9	7.0	6.1
BLADERUNNER 3 (DLFPS-321/3701)	34	4.2	7.3	5.9	7.0	6.1
TD2	18	4.2	7.3	5.9	7.0	6.1
BAR-FA8230	64	4.6	7.3	5.7	6.8	6.1
DYNAMITE G-LS (PPG-TF 254)	82	4.2	7.3	5.9	7.0	6.1
DEGAS (LTP-TF-111)	30	4.2	7.3	5.8	7.0	6.1
BENTLEY (DLFPS-321/3679)	16	4.2	7.3	5.9	7.0	6.1
COL-TF-148	28	4.1	7.3	5.9	7.0	6.1
DLFPS-321/3708	62	4.1	7.3	5.9	7.0	6.1
RS1	9	4.4	7.2	5.7	6.9	6.1
SR 8700 (TMT1)	6	4.3	7.2	5.8	6.9	6.1
PPG-TF 249	66	4.0	7.3	5.9	7.0	6.1
PPG-TF 316	78	4.2	7.2	5.8	7.0	6.1
DAYBREAK (AH2)	69	4.2	7.2	5.8	7.0	6.1
VALSETZ (PPG-TF 257)	80	4.2	7.2	5.8	7.0	6.0
HOUND OG NINE (DLFPS-321/3702)	35	4.2	7.2	5.8	7.0	6.0
NT-3	8	4.1	7.2	5.8	7.0	6.0
PST-5DC24	51	4.1	7.3	5.9	6.9	6.0
FALCON SUPREME (RH1)	72	4.2	7.2	5.8	6.9	6.0
HELLCAT GLR (PST-5E6)	41	4.5	7.2	5.7	6.8	6.0
GRANDER (PPG-TF 267)	68	4.0	7.2	5.9	7.1	6.0
GRANDE 3	21	4.2	7.2	5.8	6.9	6.0
PST-5TRN	37	4.3	7.2	5.7	6.9	6.0
FASTLANE (BY-TF-169)	33	4.3	7.2	5.7	6.9	6.0
SYMPHONY (PPG-TF 305)	77	4.2	7.2	5.8	6.9	6.0
PST-5DZM	48	4.1	7.2	5.8	6.9	6.0
ATF1768	12	4.3	7.2	5.7	6.8	6.0
TANGO	52	4.1	7.3	5.8	6.9	6.0
PRO GOLD	40	4.0	7.3	5.8	6.9	6.0
LIFEGUARD	44	4.3	7.2	5.7	6.8	6.0
LBF	17	4.2	7.2	5.8	6.8	6.0
EXPANSE (PPG-TF 262)	67	3.9	7.2	5.9	7.0	6.0
MOONDANCE GLX	46	4.1	7.2	5.8	6.8	6.0
DLFPS-321/3695	5	4.1	7.2	5.7	6.9	6.0
ZION (BAR TF 134)	63	4.1	7.2	5.7	6.9	6.0
GALLARDO (DLFPS-TF/3550)	13	4.0	7.2	5.8	7.0	6.0
NATURALLY GREEN	1	4.2	7.2	5.7	6.8	6.0
DLFPS-321/3703	36	3.8	7.2	5.9	7.0	6.0
XANADU (JT 268)	75	3.9	7.1	5.8	7.0	6.0
BONFIRE (JS DTT)	24	4.1	7.1	5.7	6.9	6.0

TABLE 2.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2022 DATA

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

NAME	ENTRY #	MS1	TN1	IA1	NE1	MEAN
DLFPS-321/3693	3	3.9	7.2	5.8	7.0	6.0
RACEWAY (DLFPS-321/3696)	19	4.0	7.2	5.8	6.9	6.0
DLFPS-321/3706	60	3.9	7.1	5.8	6.9	5.9
BAR FA 8228	27	4.4	7.2	5.6	6.6	5.9
DLFPS-321/3707	61	4.0	7.1	5.7	6.9	5.9
TOPSHELF (BGR-TF3)	11	4.0	7.2	5.7	6.8	5.9
K18-WB1	71	4.0	7.1	5.7	6.9	5.9
ESSENTIAL 2 (DLFPS-TF/3552)	14	4.0	7.1	5.7	6.8	5.9
OKEEFE (LTP-TF-122)	29	3.9	7.1	5.7	6.9	5.9
ORIOLE (PST-5BYOB)	43	3.9	7.1	5.7	6.8	5.9
PADRE 2	56	3.8	7.1	5.8	6.9	5.9
BANDIT	54	3.8	7.2	5.8	6.8	5.9
BRAVO 2	57	3.7	7.2	5.8	6.8	5.9
PST-5GQ	38	4.0	7.1	5.6	6.8	5.9
STEALTH (PPG-TF 238)	81	3.8	7.1	5.7	6.9	5.9
FIRENZA II (PPG-TF 244)	76	3.8	7.0	5.7	6.9	5.9
5LSS	10	3.8	7.0	5.7	6.9	5.9
NAI-FQZ-17	58	3.9	7.1	5.7	6.7	5.9
CLASH (AH1)	65	3.8	7.0	5.7	6.9	5.9
PARAMOUNT	2	3.7	7.1	5.7	6.8	5.8
RC4	79	3.8	7.0	5.6	6.8	5.8
K18-RS6	70	3.9	7.0	5.6	6.8	5.8
GLX ACED (PST-5DART)	50	3.9	7.0	5.6	6.8	5.8
BAR 9FE MAS	26	4.2	7.0	5.5	6.5	5.8
TITAN GLX (TF445)	129	4.4	7.2	5.8	7.0	5.8
TITANIUM G-LS (PPG-TF 255)	84	4.3	7.3	5.8	7.0	5.8
DLFPS-321/3694	4	3.7	7.0	5.7	6.8	5.8
RDC	25	3.8	7.0	5.6	6.8	5.8
COPIOUS TF	55	3.8	7.0	5.6	6.7	5.8
FINELAWN SUPREME (RH3)	73	3.6	6.9	5.6	6.8	5.8
DRAGSTER	98	4.3	7.2	5.8	6.9	5.8
AVENGER III (PPG-TF 308)	83	4.2	7.3	5.9	7.0	5.7
RAPTOR III	116	4.2	7.3	5.9	7.0	5.7
MONUMENT (PST-5SQB)	47	3.8	6.9	5.5	6.6	5.7
K18-NSE	32	3.7	6.9	5.5	6.7	5.7
PST-5MINK	45	3.6	6.9	5.6	6.6	5.7
TEACHER (PPG-TF 313)	118	4.1	7.2	5.8	7.0	5.7
ENDGAME (3N1)	53	3.3	6.9	5.7	6.8	5.7
JT 233	74	3.5	6.9	5.6	6.7	5.7
FAYETTE	22	3.4	6.9	5.6	6.7	5.7
SERENADE (PPG-TF 320)	119	4.1	7.3	5.9	7.0	5.7
PPG-TF 337	88	4.1	7.2	5.8	7.0	5.7
FIRECRACKER G-LS (PPG-TF 315)	86	4.1	7.2	5.8	6.9	5.7
PPG-TF 318	92	4.1	7.2	5.7	6.9	5.6
SETFM3	111	4.1	7.2	5.8	6.9	5.6
ESCALADE	127	4.2	7.1	5.6	6.6	5.6
PALOMAR	126	4.2	7.1	5.5	6.5	5.6
FIREHAWK SLT	94	4.0	7.3	5.9	7.1	5.6

TABLE 2.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2022 DATA

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

NAME	ENTRY #	MS1	TN1	IA1	NE1	MEAN
HEMI	95	4.1	7.2	5.8	6.9	5.6
3B2	112	4.0	7.2	5.9	6.9	5.6
GRO-PRO (SE53D2)	106	4.1	7.1	5.6	6.7	5.6
TRIAD (PPG-TF 323)	120	4.0	7.2	5.8	7.0	5.6
PROVIDENCE (GO-RH20)	99	3.9	7.2	5.9	7.0	5.6
TITAN MAX (TF456)	130	4.0	7.2	5.8	6.9	5.6
RHL2	115	4.0	7.1	5.7	6.9	5.6
SPYDER 2LS (ZRC1)	89	4.0	7.1	5.8	6.9	5.6
NAI-ST5	105	3.9	7.2	5.8	7.0	5.5
OG-WALK	128	4.0	7.0	5.5	6.5	5.5
RAPTOR LS (PPG-TF 336)	87	3.9	7.1	5.8	6.9	5.5
RHF	117	3.9	7.1	5.7	6.9	5.5
PPG-TF 231	90	3.8	7.2	5.9	7.0	5.5
TANK (PPG-TF 338)	121	3.9	7.1	5.8	6.9	5.5
GALACTIC (SESCR1)	108	4.0	7.0	5.6	6.8	5.5
PPG-TF 312	85	4.0	6.9	5.5	6.7	5.5
AST8218LM	124	3.9	7.1	5.6	6.7	5.5
SE5STAR	107	3.9	7.0	5.6	6.7	5.5
TOUGH (NAI-TUE)	104	3.8	7.1	5.7	6.8	5.4
RAD-TF105	113	3.9	7.0	5.7	6.8	5.4
FAIRFIELD (SETF104)	109	3.8	7.0	5.6	6.8	5.4
ROVER (PPG-TF 306)	91	3.8	7.1	5.7	6.9	5.4
AST8118LM	123	3.7	7.2	5.8	6.8	5.4
BULLSEYE	93	3.8	7.1	5.7	6.7	5.4
SETFM2	110	3.8	7.1	5.7	6.7	5.4
BATTLE HAWK (NAI-ROS4)	103	3.8	7.1	5.8	6.9	5.4
BULLSEYE LTZ	96	3.7	7.1	5.8	6.9	5.4
TALLADEGA II (NAI-3N2)	102	3.7	7.1	5.8	6.9	5.4
GRAND PRIX (FC15-01P)	131	3.9	6.9	5.5	6.5	5.4
RAD-TF131	114	3.7	7.0	5.6	6.7	5.3
LAFAYETTE (GO-AOMK)	101	3.6	7.1	5.8	6.9	5.3
A-TF31	125	3.6	7.0	5.7	6.7	5.3
BIRMINGHAM	100	3.5	6.9	5.5	6.6	5.2
RAD-TF115 (TURBO SS)	97	3.5	6.9	5.5	6.6	5.2
KENTUCKY-31	132	3.9	6.4	4.7	5.7	5.2
ESTRENA	122	3.0	6.8	5.6	6.7	4.9
LSD VALUE		0.8	0.8	0.8	0.8	0.8
C.V. (%)		12.1	6.8	8.5	7.1	8.4

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TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				MEAN
	ENTRY #	NJ1	MI1	ON1	
BULLSEYE LTZ	96	7.4	7.2	6.4	7.0
ESTRENA	122	7.8	6.9	6.2	7.0
GRANDER (PPG-TF 267)	68	7.1	7.3	6.5	7.0
EXPANSE (PPG-TF 262)	67	7.2	7.2	6.5	7.0
FINELAWN SUPREME (RH3)	73	7.4	7.1	6.3	6.9
PROVIDENCE (GO-RH20)	99	7.0	7.2	6.5	6.9
PPG-TF 231	90	7.1	7.2	6.5	6.9
XANADU (JT 268)	75	7.1	7.2	6.4	6.9
BATTLE HAWK (NAI-ROS4)	103	7.1	7.1	6.4	6.9
ROVER (PPG-TF 306)	91	7.1	7.1	6.4	6.9
ENDGAME (3N1)	53	7.4	7.0	6.3	6.9
5LSS	10	7.1	7.1	6.4	6.9
DAYBREAK (AH2)	69	6.9	7.3	6.5	6.9
FIRENZA II (PPG-TF 244)	76	7.0	7.1	6.3	6.8
CLASH (AH1)	65	7.0	7.1	6.3	6.8
FIREHAWK SLT	94	6.7	7.2	6.5	6.8
TANK (PPG-TF 338)	121	6.8	7.1	6.4	6.8
RAPTOR LS (PPG-TF 336)	87	6.8	7.1	6.4	6.8
DLFPS-321/3693	3	6.8	7.1	6.4	6.8
NAI-ST5	105	6.7	7.1	6.4	6.8
SPYDER 2LS (ZRC1)	89	6.7	7.1	6.4	6.8
SERENADE (PPG-TF 320)	119	6.6	7.2	6.5	6.8
PPG-TF 249	66	6.6	7.2	6.5	6.7
JT 233	74	7.1	7.0	6.2	6.7
TRIAD (PPG-TF 323)	120	6.7	7.1	6.4	6.7
OKEEFE (LTP-TF-122)	29	6.7	7.1	6.3	6.7
STEALTH (PPG-TF 238)	81	6.7	7.1	6.3	6.7
GALLARDO (DLFPS-TF/3550)	13	6.6	7.1	6.4	6.7
TALLADEGA II (NAI-3N2)	102	6.7	7.0	6.4	6.7
RHL2	115	6.6	7.1	6.3	6.7
RHF	117	6.6	7.1	6.3	6.7
RC4	79	6.7	7.0	6.3	6.7
PPG-TF 316	78	6.4	7.1	6.4	6.7
COL-TF-148	28	6.4	7.2	6.4	6.7
PPG-TF 337	88	6.4	7.1	6.4	6.7
DLFPS-321/3703	36	6.5	7.1	6.4	6.7
BLADERUNNER 3 (DLFPS-321/3701)	34	6.4	7.2	6.5	6.7
RDC	25	6.7	7.0	6.2	6.7
PARAMOUNT	2	6.7	7.0	6.3	6.7
AVENGER III (PPG-TF 308)	83	6.3	7.2	6.4	6.7
DLFPS-321/3694	4	6.7	7.0	6.3	6.6
K18-RS6	70	6.7	7.0	6.2	6.6
BONFIRE (JS DTT)	24	6.5	7.1	6.3	6.6
DLFPS-321/3707	61	6.5	7.1	6.3	6.6
TITAN MAX (TF456)	130	6.5	7.1	6.4	6.6
PADRE 2	56	6.6	7.0	6.3	6.6
DLFPS-321/3708	62	6.3	7.1	6.4	6.6
DYNAMITE G-LS (PPG-TF 254)	82	6.3	7.1	6.4	6.6

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				MEAN
	ENTRY #	NJ1	MI1	ON1	
DLFPS-321/3706	60	6.5	7.1	6.3	6.6
TEACHER (PPG-TF 313)	118	6.3	7.1	6.4	6.6
VALSETZ (PPG-TF 257)	80	6.3	7.1	6.4	6.6
LAFAYETTE (GO-AOMK)	101	6.6	6.9	6.3	6.6
TD2	18	6.2	7.1	6.4	6.6
GALACTIC (SESCR1)	108	6.4	7.0	6.3	6.6
DLFPS-TF/3553	15	6.1	7.1	6.4	6.5
K18-WB1	71	6.3	7.0	6.3	6.5
K18-NSE	32	6.6	6.9	6.1	6.5
TITANIUM G-LS (PPG-TF 255)	84	6.0	7.1	6.4	6.5
DEGAS (LTP-TF-111)	30	6.1	7.1	6.4	6.5
FIRECRACKER G-LS (PPG-TF 315)	86	6.2	7.0	6.3	6.5
SYMPHONY (PPG-TF 305)	77	6.1	7.1	6.4	6.5
FAYETTE	22	6.5	6.8	6.1	6.5
ZION (BAR TF 134)	63	6.1	7.0	6.3	6.5
FALCON SUPREME (RH1)	72	6.1	7.1	6.4	6.5
3B2	112	6.1	7.0	6.4	6.5
NT-3	8	6.0	7.0	6.4	6.5
RACEWAY (DLFPS-321/3696)	19	6.1	7.0	6.3	6.5
HOUNDG NINE (DLFPS-321/3702)	35	6.0	7.1	6.4	6.5
RAPTOR III	116	6.0	7.1	6.4	6.5
PPG-TF 318	92	6.1	7.0	6.3	6.5
ESSENTIAL 2 (DLFPS-TF/3552)	14	6.1	7.0	6.3	6.5
RAD-TF105	113	6.2	6.9	6.2	6.4
FAIRFIELD (SETF104)	109	6.2	6.9	6.2	6.4
DLFPS-321/3695	5	6.0	7.0	6.3	6.4
TITAN GLX (TF445)	129	5.8	7.1	6.4	6.4
GLX ACED (PST-5DART)	50	6.1	6.9	6.2	6.4
HEMI	95	5.9	7.0	6.3	6.4
DRAGSTER	98	5.7	7.0	6.3	6.3
A-TF31	125	6.0	6.8	6.2	6.3
BENTLEY (DLFPS-321/3679)	16	5.6	7.0	6.4	6.3
ROWDIER (DLFPS-321/3699)	20	5.5	7.0	6.4	6.3
RS1	9	5.6	7.0	6.3	6.3
KIZZLE (K18-ROE)	31	5.5	7.0	6.4	6.3
AST8118LM	123	5.8	6.8	6.3	6.3
BRAVO 2	57	5.8	6.8	6.3	6.3
CAPITAN (DLFPS-321/3705)	59	5.3	7.1	6.4	6.3
PST-5GQ	38	5.7	6.9	6.2	6.3
PST-5DC24	51	5.5	6.9	6.3	6.2
SETFM3	111	5.5	6.9	6.3	6.2
SR 8700 (TMT1)	6	5.4	7.0	6.3	6.2
PRO GOLD	40	5.5	6.9	6.3	6.2
JT 517	23	5.2	7.0	6.4	6.2
PST-5DZM	48	5.4	6.9	6.3	6.2
FASTLANE (BY-TF-169)	33	5.4	6.9	6.3	6.2
PPG-TF 312	85	5.7	6.8	6.1	6.2
TOUGH (NAI-TUE)	104	5.6	6.8	6.2	6.2

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				MEAN
	ENTRY #	NJ1	MI1	ON1	
ORIOLE (PST-5BYOB)	43	5.5	6.8	6.2	6.2
PST-5MINK	45	5.8	6.7	6.1	6.2
BANDIT	54	5.5	6.8	6.2	6.2
SETFM2	110	5.6	6.7	6.1	6.1
COPIOUS TF	55	5.6	6.7	6.1	6.1
BULLSEYE	93	5.5	6.7	6.1	6.1
TANGO	52	5.3	6.8	6.3	6.1
GRANDE 3	21	5.2	6.9	6.3	6.1
RAD-TF115 (TURBO SS)	97	5.8	6.6	6.0	6.1
LIFEGUARD	44	5.2	6.9	6.2	6.1
BIRMINGHAM	100	5.6	6.6	6.0	6.1
PST-5TRN	37	5.1	6.9	6.2	6.1
RAD-TF131	114	5.5	6.7	6.1	6.1
TOPSHELF (BGR-TF3)	11	5.2	6.8	6.2	6.1
MOONDANCE GLX	46	5.1	6.8	6.2	6.0
NAI-FQZ-17	58	5.2	6.7	6.1	6.0
MONUMENT (PST-5SQB)	47	5.3	6.6	6.0	6.0
SE5STAR	107	5.2	6.7	6.1	6.0
GRO-PRO (SE53D2)	106	5.0	6.7	6.1	6.0
LBF	17	4.9	6.8	6.2	5.9
AST8218LM	124	5.1	6.6	6.1	5.9
GLX REVIVE (PST-5GLBS)	49	4.6	6.9	6.3	5.9
HELLCAT GLR (PST-5E6)	41	4.7	6.8	6.2	5.9
EXTRAVAGANZA (PST-5MCMO)	39	4.6	6.8	6.2	5.9
ATF1768	12	4.6	6.7	6.2	5.8
PST-5THM	42	4.2	6.8	6.2	5.8
ATF2116	7	4.2	6.8	6.2	5.7
NATURALLY GREEN	1	4.4	6.7	6.1	5.7
GRAND PRIX (FC15-01P)	131	4.6	6.5	5.9	5.7
ESCALADE	127	3.9	6.5	6.0	5.5
BAR-FA8230	64	3.5	6.6	6.1	5.4
OG-WALK	128	3.8	6.3	5.9	5.3
BAR 9FE MAS	26	3.6	6.4	5.9	5.3
BAR FA 8228	27	3.3	6.4	6.0	5.2
PALOMAR	126	3.5	6.3	5.9	5.2
KENTUCKY-31	132	0.7	5.3	4.9	3.6
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		8.2	7.0	7.7	7.6

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

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2022 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
DAYBREAK (AH2)	7.0	7.0	7.5	7.2
FIRENZA II (PPG-TF 244)	6.6	7.3	6.9	6.9
CLASH (AH1)	6.9	7.0	6.8	6.9
XANADU (JT 268)	6.5	7.4	6.6	6.8
BULLSEYE LTZ	6.7	7.5	6.2	6.8
SOUTHSIDE (PPG-TF 267)	6.8	7.5	6.1	6.8
COL-TF-148	7.1	6.6	6.6	6.8
K18-RS6	6.5	6.8	6.9	6.8
5LSS	6.9	7.2	6.1	6.7
FINELAWN SUPREME (RH3)	6.5	7.7	5.9	6.7
BONFIRE (JS DTT)	6.7	6.4	7.0	6.7
PROVIDENCE (GO-RH20)	6.6	7.4	6.0	6.7
BATTLE HAWK (NAI-ROS4)	6.8	7.1	6.1	6.7
ROVER (PPG-TF 306)	6.8	6.9	6.4	6.7
RC4	6.5	6.8	6.7	6.7
RHF	6.5	7.0	6.4	6.7
RHL2	6.6	6.4	7.0	6.7
TRIAD (PPG-TF 323)	6.6	7.0	6.3	6.6
EXPANSE (PPG-TF 262)	6.6	7.2	6.0	6.6
RDC	6.7	6.7	6.5	6.6
SPYDER 2LS (ZRC1)	6.7	6.8	6.3	6.6
OKEEFE (LTP-TF-122)	6.8	6.6	6.4	6.6
GALLARDO (DLFPS-TF/3550)	6.6	6.9	6.1	6.6
DLFPS-321/3693	6.8	6.7	6.1	6.5
TITAN GLX (TF445)	6.6	6.1	6.8	6.5
RAPTOR LS (PPG-TF 336)	6.7	6.8	6.1	6.5
TANK (PPG-TF 338)	6.6	7.0	6.0	6.5
PPG-TF 249	6.7	6.7	6.1	6.5
TITANIUM G-LS (PPG-TF 255)	6.8	6.3	6.5	6.5
DLFPS-321/3707	6.5	6.3	6.6	6.5
TEACHER (PPG-TF 313)	6.7	6.4	6.3	6.5
SERENADE (PPG-TF 320)	6.7	6.9	5.8	6.5
GALACTIC (SESCR1)	6.6	6.2	6.6	6.4
K18-NSE	6.8	6.1	6.5	6.4
DYNAMITE G-LS (PPG-TF 254)	6.7	6.4	6.2	6.4
ZION (BAR TF 134)	6.7	6.2	6.3	6.4
STEALTH (PPG-TF 238)	6.8	6.5	6.0	6.4
TITAN MAX (TF456)	6.7	6.6	5.9	6.4
NAI-ST5	6.7	6.9	5.6	6.4
DLFPS-321/3708	6.6	6.4	6.1	6.4
PPG-TF 316	6.4	6.6	6.1	6.4
JT 233	6.6	6.8	5.7	6.4
PPG-TF 337	6.6	6.4	6.0	6.4
SYMPHONY (PPG-TF 305)	6.6	6.1	6.3	6.3

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2022 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
DLFPS-321/3694	6.6	6.4	6.0	6.3
TD2	6.8	6.0	6.1	6.3
AVENGER III (PPG-TF 308)	6.7	6.2	6.0	6.3
ESTRENA	6.4	7.6	4.9	6.3
VALSETZ (PPG-TF 257)	6.6	6.0	6.2	6.3
HOUNDG NINE (DLFPS-321/3702)	6.7	6.0	6.2	6.3
DEGAS (LTP-TF-111)	6.7	6.1	6.0	6.3
PARAMOUNT	6.8	6.5	5.5	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.6	6.5	5.7	6.3
DLFPS-321/3695	6.8	5.5	6.4	6.2
K18-WB1	6.5	6.0	6.2	6.2
PPG-TF 318	6.6	5.7	6.5	6.2
DLFPS-TF/3553	6.6	6.1	6.0	6.2
FAIRFIELD (SETF104)	6.4	6.7	5.5	6.2
ESSENTIAL 2 (DLFPS-TF/3552)	6.5	6.0	6.1	6.2
PPG-TF 231	6.7	6.9	5.0	6.2
RS1	6.8	5.4	6.4	6.2
FIREHAWK SLT	6.5	6.9	5.1	6.2
NT-3	6.9	6.0	5.7	6.2
FALCON SUPREME (RH1)	6.3	6.4	5.9	6.2
DRAGSTER	6.7	5.6	6.3	6.2
ENDGAME (3N1)	6.6	7.2	4.7	6.2
FIRECRACKER G-LS (PPG-TF 315)	6.6	5.8	6.1	6.1
DLFPS-321/3706	6.7	6.3	5.4	6.1
RAPTOR III	6.6	6.3	5.5	6.1
GLX ACED (PST-5DART)	6.3	6.3	5.7	6.1
RAD-TF105	6.5	6.3	5.4	6.1
RACEWAY (DLFPS-321/3696)	6.5	6.3	5.3	6.0
HEMI	6.6	6.0	5.3	6.0
PPG-TF 312	6.7	4.7	6.6	6.0
CAPITAN (DLFPS-321/3705)	6.5	5.2	6.1	6.0
PST-5GQ	6.4	5.7	5.8	6.0
SR 8700 (TMT1)	6.7	5.1	6.0	6.0
FASTLANE (BY-TF-169)	6.4	5.0	6.3	5.9
BENTLEY (DLFPS-321/3679)	6.3	6.1	5.0	5.8
PADRE 2	6.5	6.4	4.6	5.8
HELLCAT GLR (PST-5E6)	6.5	5.2	5.7	5.8
DLFPS-321/3703	6.5	6.7	4.2	5.8
3B2	6.5	6.0	4.8	5.8
GLX REVIVE (PST-5GLBS)	6.6	4.8	5.9	5.8
TALLADEGA II (NAI-3N2)	6.7	6.3	4.2	5.7
ROWDIER (DLFPS-321/3699)	6.6	5.5	5.0	5.7
GRANDE 3	6.5	4.9	5.5	5.7
EXTRAVAGANZA (PST-5MCMO)	6.4	4.8	5.7	5.6
PST-5TRN	6.4	5.2	5.2	5.6

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS IN THE NORTHEAST REGION 1/
2022 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ1	NJ2	MEAN
LIFEGUARD	6.4	5.1	5.3	5.6
PST-5DZM	6.4	6.0	4.5	5.6
FAYETTE	6.4	6.5	3.9	5.6
KIZZLE (K18-ROE)	6.5	5.3	5.0	5.6
LAFAYETTE (GO-AOMK)	6.3	6.9	3.6	5.6
RAD-TF115 (TURBO SS)	6.2	5.9	4.1	5.4
PST-5MINK	6.2	5.6	4.4	5.4
MONUMENT (PST-5SQB)	6.4	5.0	4.8	5.4
COPIOUS TF	6.5	5.3	4.3	5.4
SETFM3	6.5	5.5	4.1	5.3
PST-5DC24	6.4	5.7	3.9	5.3
A-TF31	6.1	6.3	3.5	5.3
BULLSEYE	6.4	5.3	4.2	5.3
GRO-PRO (SE53D2)	6.1	4.9	4.8	5.3
TOUGH (NAI-TUE)	6.5	5.1	4.2	5.3
PST-5THM	6.6	4.3	4.8	5.2
RAD-TF131	6.3	5.7	3.8	5.2
PRO GOLD	6.2	5.7	3.7	5.2
SETFM2	6.2	5.7	3.7	5.2
TANGO	6.3	5.3	4.0	5.2
ORIOLE (PST-5BYOB)	6.1	5.5	3.9	5.2
AST8118LM	6.1	6.2	3.1	5.2
JT 517	6.5	5.3	3.6	5.1
SE5STAR	6.5	5.2	3.7	5.1
ATF1768	6.1	4.4	4.8	5.1
LBF	6.3	5.1	3.9	5.1
MOONDANCE GLX	6.4	4.9	3.9	5.1
TOPSHELF (BGR-TF3)	6.3	5.3	3.6	5.0
BRAVO 2	6.2	5.9	2.8	4.9
BIRMINGHAM	5.9	5.5	3.4	4.9
AST8218LM	6.2	4.8	3.8	4.9
ATF2116	6.1	4.3	4.1	4.9
BANDIT	6.3	5.3	3.0	4.8
NAI-FQZ-17	6.2	5.1	3.2	4.8
NATURALLY GREEN	6.1	4.7	3.6	4.8
BAR-FA8230	6.0	3.8	4.0	4.6
GRAND PRIX (FC15-01P)	6.0	4.4	3.5	4.6
BAR FA 8228	6.2	3.6	3.5	4.5
ESCALADE	6.2	3.7	3.1	4.3
PALOMAR	5.9	3.4	3.2	4.2
BAR 9FE MAS	6.3	2.7	3.5	4.2
OG-WALK	6.0	3.5	2.7	4.1
KENTUCKY-31	4.9	1.0	1.1	2.3
LSD VALUE	0.4	1.4	0.9	0.6
C.V. (%)	3.5	15.1	11.0	10.7

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

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SEVEN LOCATIONS 1/
IN THE TRANSITION REGION
2022 DATA

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

NAME	DE1	KS1	MD1	NC1	OK1	TN1	VA1	MEAN
DAYBREAK (AH2)	7.2	4.8	7.7	7.1	5.8	7.3	6.4	6.6
RHL2	6.9	5.1	7.7	6.8	5.3	7.7	6.7	6.6
CAPITAN (DLFPS-321/3705)	7.0	4.7	7.5	7.2	5.9	7.2	6.3	6.5
TITANIUM G-LS (PPG-TF 255)	6.9	4.9	7.5	6.8	5.7	7.2	6.8	6.5
EXPANSE (PPG-TF 262)	6.6	4.5	8.0	6.9	5.8	7.5	6.4	6.5
RS1	6.9	4.7	7.7	7.1	5.3	7.4	6.8	6.5
PROVIDENCE (GO-RH20)	7.0	4.2	7.8	7.0	5.9	7.2	6.7	6.5
PPG-TF 316	6.8	5.0	7.6	6.8	5.8	7.0	6.7	6.5
AVENGER III (PPG-TF 308)	6.9	4.4	7.7	6.8	5.8	7.4	6.5	6.5
TITAN GLX (TF445)	6.9	5.1	7.6	6.4	5.3	7.3	6.9	6.5
FALCON SUPREME (RH1)	6.7	5.2	7.5	6.8	5.4	7.3	6.5	6.5
XANADU (JT 268)	6.9	5.0	7.7	6.7	5.8	6.5	6.5	6.4
GRANDER (PPG-TF 267)	6.7	4.8	7.6	6.6	5.8	7.3	6.3	6.4
TD2	7.0	4.2	7.4	6.5	5.6	7.3	7.1	6.4
K18-WB1	6.9	4.7	7.6	6.3	5.6	7.4	6.5	6.4
DLFPS-321/3707	6.7	4.2	7.7	7.0	5.6	7.1	6.6	6.4
K18-RS6	6.9	5.1	7.5	6.6	5.5	7.3	6.1	6.4
PPG-TF 318	6.6	4.4	7.6	6.4	5.8	7.1	6.9	6.4
GALACTIC (SESCR1)	6.7	4.2	7.6	7.2	5.6	7.0	6.5	6.4
SPYDER 2LS (ZRC1)	6.9	4.8	7.6	6.4	5.7	6.9	6.6	6.4
BLADERUNNER 3 (DLFPS-321/3701)	7.0	4.5	7.4	6.5	5.6	7.1	6.8	6.4
PPG-TF 337	7.0	4.2	7.7	6.5	5.6	7.3	6.5	6.4
FINELAWN SUPREME (RH3)	6.6	4.8	7.6	6.7	5.6	6.9	6.5	6.4
VALSETZ (PPG-TF 257)	6.6	4.0	7.6	6.8	5.8	7.4	6.5	6.4
NT-3	7.0	4.6	7.5	6.2	5.5	7.3	6.5	6.4
DLFPS-321/3708	6.7	4.2	7.5	6.1	5.5	7.7	6.8	6.4
FIRECRACKER G-LS (PPG-TF 315)	6.9	4.4	7.5	6.2	5.7	7.5	6.5	6.4
DEGAS (LTP-TF-111)	6.6	4.9	7.6	6.0	5.4	7.2	6.8	6.3
BONFIRE (JS DTT)	6.7	4.5	7.5	6.3	5.6	7.1	6.6	6.3
RC4	6.6	4.2	7.5	6.4	5.7	7.1	6.8	6.3
DLFPS-321/3706	6.5	4.2	7.6	6.5	5.6	7.2	6.8	6.3
SERENADE (PPG-TF 320)	6.4	4.3	7.6	6.6	5.4	7.3	6.7	6.3
DYNAMITE G-LS (PPG-TF 254)	6.9	4.6	7.7	6.0	5.6	7.2	6.4	6.3
GALLARDO (DLFPS-TF/3550)	6.7	4.7	7.4	6.4	5.7	6.7	6.7	6.3
FIRENZA II (PPG-TF 244)	6.8	3.8	7.6	6.9	5.8	6.6	6.7	6.3
EXTRAVAGANZA (PST-5MCMO)	6.4	5.0	7.3	6.4	5.3	7.6	6.0	6.3
ROVER (PPG-TF 306)	6.9	3.6	7.7	6.8	5.3	7.4	6.5	6.3
RAPTOR LS (PPG-TF 336)	6.9	4.2	7.6	6.2	5.5	7.0	6.6	6.3
TRIAD (PPG-TF 323)	6.4	4.8	7.8	6.2	5.2	7.2	6.5	6.3
BULLSEYE LTZ	6.8	3.9	7.6	6.4	5.3	7.3	6.9	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	4.0	7.4	6.9	5.6	7.0	6.5	6.3
PPG-TF 312	7.2	3.7	7.4	6.2	5.6	7.1	6.9	6.3
DLFPS-TF/3553	6.8	4.2	7.6	6.5	5.3	7.3	6.5	6.3
HELLCAT GLR (PST-5E6)	6.6	5.3	7.2	6.5	5.0	7.1	6.2	6.3

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SEVEN LOCATIONS 1/
IN THE TRANSITION REGION
2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	DE1	KS1	MD1	NC1	OK1	TN1	VA1	
RDC	6.7	4.6	7.3	6.3	5.5	7.0	6.6	6.3
STEALTH (PPG-TF 238)	6.9	4.2	7.6	6.7	5.7	6.6	6.2	6.3
TEACHER (PPG-TF 313)	6.7	4.6	7.6	5.9	5.2	7.5	6.4	6.3
TITAN MAX (TF456)	6.6	4.3	7.5	6.3	5.3	7.4	6.4	6.3
FASTLANE (BY-TF-169)	7.0	4.4	7.4	5.5	5.7	7.3	6.5	6.3
HEMI	6.6	4.3	7.3	6.4	5.4	7.4	6.4	6.3
PADRE 2	6.6	3.9	7.5	6.4	5.7	7.4	6.4	6.3
5LSS	7.2	4.3	7.4	6.1	4.9	7.0	6.8	6.2
HOUNDOG NINE (DLFPS-321/3702)	6.9	4.5	7.4	5.9	5.5	7.1	6.5	6.2
RHF	7.1	4.7	7.7	6.3	5.2	6.7	5.9	6.2
TANK (PPG-TF 338)	6.7	4.0	7.6	6.1	5.6	7.4	6.2	6.2
ZION (BAR TF 134)	6.6	4.8	7.4	5.9	5.3	7.3	6.3	6.2
DLFPS-321/3695	6.7	3.6	7.5	5.9	5.6	7.4	6.8	6.2
SYMPHONY (PPG-TF 305)	6.6	4.2	7.8	6.2	5.8	6.6	6.5	6.2
COL-TF-148	7.0	4.1	7.6	5.6	5.2	7.6	6.4	6.2
DRAGSTER	6.6	4.5	7.5	5.6	5.4	7.4	6.5	6.2
DLFPS-321/3693	7.0	3.8	7.6	6.1	5.5	7.1	6.4	6.2
GLX REVIVE (PST-5GLBS)	6.6	4.9	7.1	6.3	5.4	7.3	5.9	6.2
NAI-ST5	6.7	4.1	7.6	6.5	5.4	6.9	6.2	6.2
CLASH (AH1)	6.9	3.4	7.3	7.0	5.7	7.0	6.0	6.2
FIREHAWK SLT	6.7	4.5	7.7	5.5	5.5	7.4	6.0	6.2
OKEEFE (LTP-TF-122)	7.1	3.9	7.5	5.8	5.6	6.8	6.7	6.2
KIZZLE (K18-ROE)	6.7	3.7	7.3	6.3	5.8	7.1	6.4	6.2
K18-NSE	7.0	4.3	7.8	6.3	4.6	7.1	6.2	6.2
BENTLEY (DLFPS-321/3679)	6.6	5.2	7.4	5.3	5.7	7.1	6.0	6.2
SR 8700 (TMT1)	6.8	3.6	7.1	6.1	5.7	7.5	6.5	6.2
BATTLE HAWK (NAI-ROS4)	6.9	3.6	7.3	6.2	5.3	7.3	6.6	6.2
RAPTOR III	6.9	4.2	7.5	5.8	5.3	7.3	6.2	6.2
PPG-TF 249	6.5	4.1	7.3	5.7	5.8	7.2	6.5	6.2
ROWDIER (DLFPS-321/3699)	6.9	4.0	7.5	5.6	5.4	7.4	6.3	6.2
LIFEGUARD	6.8	4.4	7.4	6.0	5.3	7.2	6.0	6.2
RAD-TF105	6.7	4.3	7.4	6.0	4.9	7.4	6.2	6.1
PST-5TRN	6.4	4.1	7.3	6.5	5.4	6.9	6.5	6.1
PPG-TF 231	6.5	3.6	7.4	5.5	6.1	6.8	7.0	6.1
FAIRFIELD (SETF104)	6.5	4.7	7.2	5.8	5.2	7.2	6.1	6.1
PST-5THM	6.3	4.7	7.1	6.7	5.1	7.2	5.5	6.1
GLX ACED (PST-5DART)	6.8	3.8	7.3	6.2	5.6	6.9	6.0	6.1
RACEWAY (DLFPS-321/3696)	6.6	4.4	7.3	5.6	5.3	7.1	6.2	6.1
3B2	6.7	3.6	7.5	5.7	5.7	7.3	6.0	6.0
ATF2116	6.3	4.5	7.0	5.9	5.4	7.1	6.1	6.0
JT 233	6.7	3.2	7.4	5.8	5.5	6.8	6.6	6.0
PARAMOUNT	6.6	3.5	7.5	5.7	5.2	7.3	6.3	6.0
JT 517	6.9	3.7	7.1	5.6	5.1	7.3	6.4	6.0
PST-5GQ	6.6	3.8	7.4	6.1	5.2	6.9	6.0	6.0
DLFPS-321/3703	6.6	3.8	7.3	5.2	5.5	7.3	6.2	6.0

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE TRANSITION REGION 1/
 2022 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	DE1	KS1	MD1	NC1	OK1	TN1	VA1	MEAN
DLFPS-321/3694	6.6	3.0	7.5	5.8	5.7	7.0	6.2	6.0
ORIOLE (PST-5BYOB)	6.7	3.6	7.1	6.0	5.5	6.9	6.0	6.0
SETFM3	6.6	3.9	7.0	6.0	5.2	7.0	6.0	6.0
ATF1768	6.4	3.7	7.1	6.0	5.0	7.0	6.4	5.9
TALLADEGA II (NAI-3N2)	6.6	2.8	7.3	5.9	5.5	7.2	6.3	5.9
PST-5DZM	6.1	4.2	7.2	5.9	5.0	7.1	6.0	5.9
TOUGH (NAI-TUE)	6.2	3.2	7.1	6.0	5.1	7.0	6.4	5.9
BAR-FA8230	6.4	4.7	6.8	5.5	4.9	6.8	6.0	5.9
ENDGAME (3N1)	6.6	3.4	7.3	5.5	5.2	6.8	6.3	5.9
GRANDE 3	6.7	3.5	7.4	5.5	5.3	6.7	6.0	5.9
MOONDANCE GLX	6.4	3.2	7.0	5.9	5.5	7.0	6.0	5.9
PRO GOLD	6.4	3.2	7.0	5.6	5.3	7.5	5.9	5.9
LBF	6.3	4.0	7.0	5.3	5.2	7.0	6.0	5.8
BRAVO 2	6.2	3.2	7.3	5.3	5.3	7.2	6.1	5.8
PST-5DC24	6.3	3.3	6.9	5.7	5.2	7.2	6.0	5.8
LAFAYETTE (GO-AOMK)	6.4	3.4	7.1	5.2	5.3	7.4	5.8	5.8
GRO-PRO (SE53D2)	6.3	3.2	7.1	5.6	5.5	6.8	6.0	5.8
NATURALLY GREEN	6.1	4.3	6.9	5.2	5.1	7.2	5.7	5.8
TANGO	6.3	3.1	7.0	5.6	5.1	7.4	5.8	5.8
TOPSHELF (BGR-TF3)	6.2	3.7	6.5	5.2	5.1	7.4	6.2	5.7
FAYETTE	6.3	3.0	7.0	5.4	5.5	6.8	5.9	5.7
MONUMENT (PST-5SQB)	6.3	3.2	6.9	5.7	5.3	6.7	5.7	5.7
NAI-FQZ-17	6.1	3.5	6.7	5.5	5.0	6.8	6.1	5.7
ESCALADE	5.9	3.5	6.5	5.3	5.2	7.3	5.9	5.7
ESTRENA	6.4	2.8	7.3	5.2	5.4	6.6	6.1	5.7
RAD-TF131	6.3	4.1	6.9	4.9	4.2	7.1	6.2	5.7
SETFM2	6.1	3.5	6.6	5.3	4.9	7.2	5.8	5.6
A-TF31	5.6	3.3	7.1	5.0	4.8	7.5	6.2	5.6
COPIOUS TF	6.3	3.2	6.8	5.1	4.9	7.2	6.0	5.6
BANDIT	6.5	3.1	6.8	5.0	5.3	6.8	6.0	5.6
PST-5MINK	6.1	3.4	6.9	4.8	5.3	7.2	5.8	5.6
BAR FA 8228	6.0	4.3	6.8	4.7	4.6	7.4	5.5	5.6
BULLSEYE	5.8	3.5	6.8	5.4	5.4	7.2	5.3	5.6
AST8118LM	6.3	3.0	6.9	4.7	5.1	7.3	5.8	5.6
SE5STAR	5.9	3.0	7.2	5.4	4.7	7.0	5.8	5.6
BIRMINGHAM	6.0	3.5	6.8	5.4	5.0	6.8	5.5	5.6
GRAND PRIX (FC15-01P)	6.0	3.8	6.8	5.5	4.7	6.7	5.4	5.6
RAD-TF115 (TURBO SS)	6.4	3.7	7.0	4.5	3.8	6.9	6.5	5.5
AST8218LM	6.1	3.3	6.8	4.2	5.1	7.0	6.0	5.5
BAR 9FE MAS	5.9	3.2	7.0	4.7	4.6	7.2	5.6	5.5
PALOMAR	5.8	3.9	6.4	4.5	4.7	7.3	5.5	5.4
OG-WALK	5.7	3.3	6.5	4.5	4.9	7.2	5.0	5.3
KENTUCKY-31	4.5	3.7	5.8	4.3	3.7	6.8	3.2	4.6
LSD VALUE	0.5	1.0	0.4	0.9	0.6	0.7	0.7	0.3
C.V. (%)	5.1	14.7	3.3	9.9	7.3	5.8	7.2	7.3

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

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

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2022 DATA

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

NAME	GA1	MS1	MEAN
PST-5DZM	7.7	5.0	6.4
HELLCAT GLR (PST-5E6)	7.5	5.3	6.4
FIRENZA II (PPG-TF 244)	7.8	4.8	6.3
TITAN GLX (TF445)	7.6	5.0	6.3
BLADERUNNER 3 (DLFPS-321/3701)	7.9	4.6	6.2
COL-TF-148	7.6	4.9	6.2
SYMPHONY (PPG-TF 305)	7.7	4.8	6.2
GLX REVIVE (PST-5GLBS)	7.6	4.8	6.2
RAPTOR III	7.6	4.8	6.2
CLASH (AH1)	7.9	4.5	6.2
JT 517	7.2	5.1	6.2
RHF	7.8	4.6	6.2
GRANDE 3	7.7	4.6	6.2
PST-5THM	7.6	4.7	6.1
CAPITAN (DLFPS-321/3705)	7.9	4.4	6.1
DYNAMITE G-LS (PPG-TF 254)	7.8	4.5	6.1
DLFPS-TF/3553	7.6	4.7	6.1
GALLARDO (DLFPS-TF/3550)	7.8	4.4	6.1
TD2	7.8	4.4	6.1
HOUND OG NINE (DLFPS-321/3702)	7.7	4.4	6.1
GRO-PRO (SE53D2)	7.4	4.8	6.1
DAYBREAK (AH2)	7.9	4.2	6.1
KIZZLE (K18-ROE)	7.5	4.6	6.1
EXTRAVAGANZA (PST-5MCMO)	7.5	4.6	6.1
ATF2116	7.3	4.8	6.1
PPG-TF 249	7.6	4.5	6.1
PRO GOLD	7.2	4.9	6.1
ROWDIER (DLFPS-321/3699)	7.5	4.6	6.1
DLFPS-321/3708	7.3	4.8	6.0
SOUTHSIDE (PPG-TF 267)	7.8	4.3	6.0
PROVIDENCE (GO-RH20)	7.6	4.4	6.0
BENTLEY (DLFPS-321/3679)	7.6	4.5	6.0
TITANIUM G-LS (PPG-TF 255)	7.4	4.7	6.0
PST-5GQ	7.6	4.4	6.0
SR 8700 (TMT1)	7.5	4.5	6.0
PST-5TRN	7.5	4.6	6.0
DRAGSTER	7.6	4.4	6.0
SERENADE (PPG-TF 320)	7.7	4.3	6.0
TRIAD (PPG-TF 323)	7.7	4.2	6.0
RAPTOR LS (PPG-TF 336)	7.9	4.1	6.0
DEGAS (LTP-TF-111)	7.6	4.3	6.0
VALSETZ (PPG-TF 257)	7.8	4.1	6.0
DLFPS-321/3693	7.8	4.1	5.9
TEACHER (PPG-TF 313)	7.8	4.1	5.9

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2022 DATA

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

NAME	GA1	MS1	MEAN
PST-5DC24	7.1	4.8	5.9
ATF1768	7.3	4.6	5.9
PPG-TF 337	7.8	4.1	5.9
BULLSEYE LTZ	7.6	4.2	5.9
LBF	7.0	4.9	5.9
FAIRFIELD (SETF104)	7.6	4.3	5.9
XANADU (JT 268)	7.6	4.2	5.9
TANGO	7.3	4.5	5.9
BONFIRE (JS DTT)	7.6	4.2	5.9
RS1	7.9	3.9	5.9
BATTLE HAWK (NAI-ROS4)	7.7	4.1	5.9
NAI-ST5	7.7	4.1	5.9
ESSENTIAL 2 (DLFPS-TF/3552)	7.6	4.2	5.9
RC4	7.9	3.9	5.9
PPG-TF 316	7.6	4.1	5.9
FALCON SUPREME (RH1)	7.6	4.2	5.9
OKEEFE (LTP-TF-122)	7.8	3.9	5.9
ZION (BAR TF 134)	7.6	4.1	5.8
AVENGER III (PPG-TF 308)	7.7	4.0	5.8
TANK (PPG-TF 338)	7.7	3.9	5.8
RACEWAY (DLFPS-321/3696)	7.2	4.4	5.8
GLX ACED (PST-5DART)	7.2	4.4	5.8
DLFPS-321/3694	7.8	3.9	5.8
DLFPS-321/3695	7.8	3.9	5.8
5LSS	7.7	3.9	5.8
BAR-FA8230	6.6	5.0	5.8
TITAN MAX (TF456)	7.5	4.1	5.8
DLFPS-321/3707	7.7	3.8	5.8
SPYDER 2LS (ZRC1)	7.7	3.8	5.8
FIREHAWK SLT	7.8	3.7	5.8
DLFPS-321/3703	7.5	4.0	5.8
FASTLANE (BY-TF-169)	7.7	3.8	5.7
HEMI	7.7	3.8	5.7
SETFM3	7.5	3.9	5.7
BAR FA 8228	6.8	4.6	5.7
DLFPS-321/3706	7.8	3.6	5.7
3B2	7.4	4.0	5.7
SE5STAR	7.0	4.4	5.7
LIFEGUARD	7.5	3.8	5.7
AST8118LM	6.9	4.4	5.7
EXPANSE (PPG-TF 262)	7.8	3.6	5.7
ORIOLE (PST-5BYOB)	7.3	4.0	5.7
PPG-TF 231	7.4	3.9	5.6
ROVER (PPG-TF 306)	7.7	3.6	5.6
NT-3	7.6	3.7	5.6
A-TF31	7.2	4.1	5.6

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS IN THE SOUTHEAST REGION 1/
2022 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MS1	MEAN
GALACTIC (SESCR1)	7.8	3.4	5.6
LAFAYETTE (GO-AOMK)	7.3	3.8	5.6
NATURALLY GREEN	6.8	4.3	5.6
FIRECRACKER G-LS (PPG-TF 315)	7.8	3.3	5.6
PPG-TF 318	7.7	3.4	5.5
MOONDANCE GLX	6.9	4.1	5.5
STEALTH (PPG-TF 238)	7.8	3.3	5.5
TALLADEGA II (NAI-3N2)	7.5	3.4	5.5
K18-RS6	7.7	3.2	5.4
RAD-TF105	7.4	3.5	5.4
BRAVO 2	7.3	3.6	5.4
RDC	7.6	3.3	5.4
RAD-TF115 (TURBO SS)	7.2	3.6	5.4
SETFM2	6.9	3.9	5.4
RHL2	7.9	2.9	5.4
TOPSHELF (BGR-TF3)	6.6	4.1	5.4
K18-WB1	7.8	2.9	5.3
BANDIT	6.9	3.7	5.3
PARAMOUNT	7.2	3.5	5.3
JT 233	7.4	3.3	5.3
FINELAWN SUPREME (RH3)	7.5	3.1	5.3
AST8218LM	6.9	3.6	5.3
RAD-TF131	7.2	3.3	5.3
MONUMENT (PST-5SQB)	7.0	3.5	5.2
COPIOUS TF	7.0	3.4	5.2
NAI-FQZ-17	6.9	3.5	5.2
PADRE 2	7.5	2.8	5.2
PPG-TF 312	7.7	2.5	5.1
GRAND PRIX (FC15-01P)	7.0	3.2	5.1
K18-NSE	7.7	2.6	5.1
FAYETTE	6.8	3.3	5.0
PALOMAR	6.1	4.0	5.0
PST-5MINK	6.8	3.3	5.0
ENDGAME (3N1)	7.4	2.7	5.0
BULLSEYE	7.1	2.9	5.0
OG-WALK	6.6	3.4	5.0
ESCALADE	6.4	3.5	5.0
TOUGH (NAI-TUE)	7.1	2.8	5.0
ESTRENA	7.1	2.7	4.9
BIRMINGHAM	6.7	2.8	4.7
BAR 9FE MAS	6.5	2.8	4.7
KENTUCKY-31	5.6	3.3	4.5
LSD VALUE	0.4	1.6	0.8
C.V. (%)	3.5	24.4	12.5

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2022 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
XANADU (JT 268)	5.9	6.2	7.3	6.8	6.9	6.6
ROVER (PPG-TF 306)	5.6	6.5	7.3	6.8	6.9	6.6
PPG-TF 249	6.0	6.1	7.2	7.1	6.5	6.6
DYNAMITE G-LS (PPG-TF 254)	5.7	6.6	6.6	7.0	7.1	6.6
PPG-TF 231	5.8	6.2	7.1	6.9	6.9	6.6
FIREHAWK SLT	6.0	6.0	7.1	6.9	7.0	6.6
5LSS	5.8	6.9	7.5	6.6	6.1	6.6
PPG-TF 316	5.8	6.4	7.3	7.0	6.2	6.6
PPG-TF 318	5.8	6.0	7.1	7.0	6.8	6.5
BONFIRE (JS DTT)	5.8	6.4	7.1	7.0	6.4	6.5
FIRECRACKER G-LS (PPG-TF 315)	5.8	6.5	7.1	6.9	6.4	6.5
RHL2	5.8	6.4	7.1	6.9	6.4	6.5
DAYBREAK (AH2)	5.8	6.0	7.2	7.0	6.8	6.5
DLFPS-TF/3553	5.8	6.1	7.1	6.9	6.8	6.5
EXPANSE (PPG-TF 262)	5.7	6.2	7.1	7.0	6.7	6.5
SOUTHSIDE (PPG-TF 267)	5.6	6.3	7.1	6.8	6.8	6.5
VALSETZ (PPG-TF 257)	5.8	6.3	7.0	7.0	6.5	6.5
CAPITAN (DLFPS-321/3705)	5.9	6.3	7.3	7.0	6.1	6.5
TEACHER (PPG-TF 313)	5.6	6.0	6.9	7.0	7.0	6.5
DEGAS (LTP-TF-111)	5.8	6.3	7.4	6.9	6.1	6.5
ZION (BAR TF 134)	5.7	6.2	7.2	7.0	6.4	6.5
K18-NSE	5.8	6.7	6.8	7.0	6.3	6.5
SERENADE (PPG-TF 320)	6.0	5.8	6.7	6.9	7.0	6.5
PPG-TF 337	5.8	6.4	6.8	7.0	6.3	6.5
SPYDER 2LS (ZRC1)	5.7	6.2	7.3	6.7	6.5	6.5
BATTLE HAWK (NAI-ROS4)	5.7	6.1	7.1	6.9	6.5	6.5
TITAN MAX (TF456)	5.8	6.0	7.1	6.7	6.8	6.5
RDC	5.6	6.3	6.9	7.1	6.2	6.5
BULLSEYE LTZ	5.8	6.4	6.9	7.0	6.1	6.4
K18-RS6	5.8	6.0	7.1	6.8	6.7	6.4
AVENGER III (PPG-TF 308)	5.8	6.0	7.3	7.0	6.3	6.4
STEALTH (PPG-TF 238)	5.8	5.9	7.0	6.9	6.7	6.4
RAPTOR LS (PPG-TF 336)	5.7	6.7	7.1	6.9	5.9	6.4
ENDGAME (3N1)	5.7	5.7	7.1	7.0	6.8	6.4
OKEEFE (LTP-TF-122)	5.8	5.7	7.2	7.0	6.5	6.4
DLFPS-321/3693	5.9	5.9	7.1	7.0	6.3	6.4
TRIAD (PPG-TF 323)	5.7	5.5	7.3	6.9	6.8	6.4
NAI-ST5	5.7	5.7	7.3	6.9	6.6	6.4
DRAGSTER	5.6	6.2	7.1	7.0	6.2	6.4
TD2	5.8	6.1	7.3	6.9	6.0	6.4
BLADERUNNER 3 (DLFPS-321/3701)	5.9	6.3	7.3	6.9	5.7	6.4
TANK (PPG-TF 338)	6.0	5.7	7.0	6.9	6.5	6.4
PARAMOUNT	5.9	5.8	7.1	7.0	6.4	6.4
GALLARDO (DLFPS-TF/3550)	5.8	5.7	7.0	7.0	6.5	6.4
NT-3	5.8	6.0	6.8	7.0	6.5	6.4

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2022 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
HOUNDOG NINE (DLFPS-321/3702)	5.8	5.9	7.2	7.0	6.1	6.4
DLFPS-321/3707	5.7	6.0	6.9	7.1	6.3	6.4
SYMPHONY (PPG-TF 305)	5.8	5.9	7.0	7.0	6.3	6.4
COL-TF-148	5.7	5.8	7.0	7.1	6.4	6.4
KIZZLE (K18-ROE)	5.7	5.9	6.9	6.9	6.6	6.4
ESTRENA	5.7	6.0	7.0	6.7	6.5	6.4
RHF	5.7	6.1	6.8	6.9	6.4	6.4
TITAN GLX (TF445)	5.5	6.2	6.9	6.9	6.4	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	5.9	6.4	6.9	7.0	5.6	6.4
GALACTIC (SESCR1)	5.6	5.5	7.3	7.0	6.4	6.4
GRANDE 3	5.8	5.5	7.0	7.0	6.5	6.4
RACEWAY (DLFPS-321/3696)	5.6	5.9	7.1	7.0	6.3	6.4
RAPTOR III	5.8	5.4	7.1	7.0	6.5	6.4
K18-WB1	5.8	5.8	7.1	6.8	6.3	6.4
3B2	5.6	5.5	7.1	6.9	6.6	6.3
FIRENZA II (PPG-TF 244)	5.8	5.7	7.3	6.9	6.0	6.3
ROWDIER (DLFPS-321/3699)	5.7	5.5	7.1	6.9	6.5	6.3
PADRE 2	5.8	5.6	7.0	6.8	6.5	6.3
DLFPS-321/3695	5.8	5.8	6.9	7.0	6.2	6.3
FASTLANE (BY-TF-169)	5.7	5.5	7.3	7.0	6.1	6.3
TITANIUM G-LS (PPG-TF 255)	5.9	5.6	6.9	6.9	6.3	6.3
SR 8700 (TMT1)	5.8	5.8	7.1	7.0	6.0	6.3
RS1	5.7	5.7	7.2	7.0	6.1	6.3
FINELAWN SUPREME (RH3)	5.7	5.9	6.9	6.9	6.2	6.3
LIFEGUARD	5.7	5.8	6.8	6.7	6.5	6.3
BENTLEY (DLFPS-321/3679)	5.6	5.6	6.9	6.9	6.5	6.3
PST-5THM	5.6	5.5	6.8	7.0	6.5	6.3
RC4	5.8	5.9	6.9	7.0	5.8	6.3
PROVIDENCE (GO-RH20)	5.6	5.2	7.3	7.0	6.4	6.3
TOUGH (NAI-TUE)	5.6	5.1	7.2	7.0	6.5	6.3
PST-5TRN	5.8	5.4	6.9	6.9	6.4	6.3
DLFPS-321/3708	5.8	5.8	6.7	6.8	6.3	6.3
JT 233	5.9	5.6	7.0	6.9	6.0	6.3
GLX REVIVE (PST-5GLBS)	5.7	5.3	7.0	6.8	6.5	6.3
TALLADEGA II (NAI-3N2)	5.8	5.9	6.9	6.6	6.2	6.3
PST-5GQ	5.6	5.9	7.1	7.0	5.9	6.3
CLASH (AH1)	5.9	5.5	7.2	7.0	5.7	6.3
MOONDANCE GLX	5.7	5.4	7.1	6.7	6.5	6.3
PPG-TF 312	5.8	6.3	6.7	6.8	5.8	6.3
BULLSEYE	5.6	4.7	6.9	7.0	7.2	6.3
DLFPS-321/3694	5.8	5.6	7.2	6.9	5.9	6.3
FALCON SUPREME (RH1)	5.8	5.2	7.1	7.0	6.2	6.3
JT 517	5.6	5.3	6.5	7.0	6.9	6.2
DLFPS-321/3703	5.8	5.3	6.9	6.8	6.3	6.2
SETFM3	5.9	5.0	7.1	6.8	6.4	6.2
DLFPS-321/3706	5.7	6.0	6.8	6.9	5.8	6.2

TABLE 7.
CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2022 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	IA1	IN1	MI1	NE1	ON1	MEAN
ATF1768	5.8	5.2	6.6	6.8	6.7	6.2
EXTRAVAGANZA (PST-5MCMO)	5.8	5.7	6.9	6.8	5.8	6.2
GLX ACED (PST-5DART)	5.7	5.7	6.8	6.8	6.0	6.2
COPIOUS TF	5.9	5.3	6.6	6.9	6.4	6.2
RAD-TF105	5.7	5.4	6.8	6.6	6.5	6.2
PST-5DC24	5.8	5.3	6.9	7.0	5.9	6.2
PST-5MINK	5.8	5.3	6.9	6.5	6.4	6.2
BANDIT	5.5	5.3	6.8	6.8	6.5	6.2
MONUMENT (PST-5SQB)	5.8	5.3	6.7	6.8	6.2	6.2
ORIOLE (PST-5BYOB)	5.6	5.7	6.8	6.7	6.0	6.2
PRO GOLD	5.9	5.7	6.7	6.8	5.6	6.1
HEMI	5.7	4.9	6.9	6.8	6.3	6.1
AST8218LM	5.7	5.1	7.0	6.8	6.1	6.1
TANGO	5.5	4.7	6.9	7.0	6.5	6.1
TOPSHELF (BGR-TF3)	6.0	5.3	6.8	6.6	5.8	6.1
FAYETTE	5.8	5.3	6.9	6.6	5.9	6.1
PST-5DZM	5.7	5.2	6.6	6.8	6.2	6.1
SETFM2	5.8	5.1	6.9	6.7	5.8	6.1
ATF2116	5.8	5.0	6.6	6.7	6.3	6.1
GRO-PRO (SE53D2)	5.8	5.3	6.8	6.6	5.9	6.1
LBF	5.8	5.3	6.8	6.9	5.5	6.1
LAFAYETTE (GO-AOMK)	5.8	5.2	6.7	6.8	5.8	6.0
NAI-FQZ-17	5.7	4.5	7.2	6.9	5.8	6.0
BIRMINGHAM	5.8	4.5	6.8	6.7	6.3	6.0
AST8118LM	5.9	4.7	6.7	6.9	6.0	6.0
BRAVO 2	5.6	4.9	6.7	7.0	5.8	6.0
BAR 9FE MAS	5.5	4.5	7.0	6.7	6.3	6.0
BAR-FA8230	5.5	4.3	6.8	6.8	6.5	6.0
SE5STAR	5.6	5.2	6.1	6.8	6.2	6.0
FAIRFIELD (SETF104)	5.6	4.8	6.8	6.9	5.7	6.0
NATURALLY GREEN	5.5	4.4	6.4	6.9	6.3	5.9
OG-WALK	5.6	4.6	6.7	6.7	6.0	5.9
HELLCAT GLR (PST-5E6)	5.4	5.3	6.6	6.8	5.5	5.9
A-TF31	5.9	5.1	6.2	6.7	5.6	5.9
GRAND PRIX (FC15-01P)	5.6	4.9	6.6	6.8	5.6	5.9
RAD-TF131	5.5	4.3	6.9	6.9	5.7	5.8
PALOMAR	5.5	4.5	6.6	6.8	5.8	5.8
ESCALADE	5.8	4.4	6.3	6.8	6.0	5.8
RAD-TF115 (TURBO SS)	5.5	4.4	6.7	6.7	5.7	5.8
BAR FA 8228	5.5	4.2	6.3	6.6	5.7	5.7
KENTUCKY-31	5.4	3.7	4.5	5.2	5.1	4.8
LSD VALUE	0.3	0.8	0.5	0.3	0.8	0.3
C.V. (%)	3.5	8.8	4.5	2.7	7.8	5.7

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

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

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/ 2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/						
	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DAYBREAK (AH2)	7.0	7.7	6.0	7.3	8.3	7.3	7.3
RHL2	6.7	7.0	6.3	8.0	8.3	7.3	7.3
BONFIRE (JS DTT)	7.0	7.0	6.3	7.3	8.3	7.3	7.2
DLFPS-321/3695	7.0	7.0	6.3	7.0	8.7	7.3	7.2
K18-WB1	7.0	7.3	6.0	7.3	8.3	7.3	7.2
DLFPS-321/3706	6.7	7.3	6.3	7.3	8.0	7.3	7.2
RAPTOR LS (PPG-TF 336)	7.0	7.0	6.7	7.7	8.0	6.7	7.2
SPYDER 2LS (ZRC1)	6.7	7.3	6.3	7.3	8.0	7.3	7.2
SYMPHONY (PPG-TF 305)	7.0	7.7	6.7	7.0	7.7	7.0	7.2
TITANIUM G-LS (PPG-TF 255)	7.3	7.3	6.3	7.0	8.0	7.0	7.2
COL-TF-148	7.0	7.0	6.0	7.3	8.3	7.0	7.1
DLFPS-321/3694	7.3	7.0	6.0	7.0	8.3	7.0	7.1
NAI-ST5	7.0	7.0	6.3	7.0	8.3	7.0	7.1
PPG-TF 337	7.0	7.3	6.0	7.3	8.0	7.0	7.1
RC4	7.0	7.3	6.3	7.0	8.0	7.0	7.1
BLADERUNNER 3 (DLFPS-321/3701)	6.7	7.0	6.3	7.0	8.3	7.3	7.1
FINELAWN SUPREME (RH3)	6.7	7.0	6.3	7.3	8.0	7.3	7.1
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.3	6.0	7.0	8.0	7.3	7.1
PPG-TF 249	7.0	7.0	6.0	7.3	8.3	7.0	7.1
PPG-TF 312	7.0	7.0	6.0	7.3	8.0	7.3	7.1
PROVIDENCE (GO-RH20)	6.7	7.0	6.0	7.7	8.3	7.0	7.1
TEACHER (PPG-TF 313)	7.0	7.3	6.0	7.3	8.0	7.0	7.1
TRIAD (PPG-TF 323)	6.7	7.0	6.3	7.3	8.3	7.0	7.1
DRAGSTER	7.0	7.3	6.3	7.0	7.7	7.0	7.1
K18-NSE	6.3	7.3	6.0	7.3	8.3	7.0	7.1
LIFEGUARD	7.0	7.0	6.3	7.0	8.0	7.0	7.1
RHF	7.0	7.3	6.0	7.0	8.0	7.0	7.1
DLFPS-321/3693	6.7	7.0	6.0	7.0	8.3	7.3	7.1
GRANDE 3	6.7	7.0	6.3	7.0	8.3	7.0	7.1
HOUND DOG NINE (DLFPS-321/3702)	7.0	7.3	6.0	6.7	8.3	7.0	7.1
PPG-TF 316	6.7	7.0	6.3	7.3	8.0	7.0	7.1
SERENADE (PPG-TF 320)	6.7	7.3	6.3	7.0	8.0	7.0	7.1
TALLADEGA II (NAI-3N2)	6.7	7.3	6.0	7.3	8.0	7.0	7.1
BATTLE HAWK (NAI-ROS4)	7.0	7.3	6.0	7.0	8.0	6.7	7.0
CAPTAN (DLFPS-321/3705)	6.7	6.7	6.3	7.0	8.3	7.0	7.0
DLFPS-TF/3553	6.3	7.3	6.0	7.0	8.3	7.0	7.0
ESTRENA	7.0	7.0	6.0	7.0	8.0	7.0	7.0
FASTLANE (BY-TF-169)	6.7	7.0	6.3	7.3	7.7	7.0	7.0
GALLARDO (DLFPS-TF/3550)	6.7	7.0	6.3	7.0	8.0	7.0	7.0
OKEEFE (LTP-TF-122)	7.0	7.3	6.0	7.0	8.0	6.7	7.0
PPG-TF 231	7.0	7.0	6.0	7.0	8.0	7.0	7.0
5LSS	6.3	7.0	6.3	7.0	7.7	7.3	6.9
CLASH (AH1)	7.0	7.0	6.0	6.7	8.0	7.0	6.9
EXPANSE (PPG-TF 262)	6.7	7.0	6.3	7.0	8.0	6.7	6.9
PST-5GQ	6.7	7.0	6.3	7.0	8.0	6.7	6.9

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/ 2022 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RAD-TF131	6.7	7.3	6.0	7.3	7.7	6.7	6.9
STEALTH (PPG-TF 238)	6.7	7.3	6.0	7.3	7.7	6.7	6.9
VALSETZ (PPG-TF 257)	7.0	7.0	6.0	7.3	7.7	6.7	6.9
3B2	6.7	7.0	6.0	7.0	8.0	7.0	6.9
AVENGER III (PPG-TF 308)	7.0	7.0	6.3	7.0	7.3	7.0	6.9
BULLSEYE LTZ	6.7	7.0	6.3	7.0	7.7	7.0	6.9
DEGAS (LTP-TF-111)	7.0	7.0	6.0	7.0	8.0	6.7	6.9
DLFPS-321/3707	6.7	7.3	6.0	7.0	8.0	6.7	6.9
FIRENZA II (PPG-TF 244)	6.7	7.0	6.0	7.0	8.0	7.0	6.9
GALACTIC (SESCR1)	6.7	7.0	6.0	7.0	8.0	7.0	6.9
PARAMOUNT	6.3	7.0	6.0	7.3	8.0	7.0	6.9
SOUTHSIDE (PPG-TF 267)	6.3	7.0	6.0	7.0	8.0	7.3	6.9
PPG-TF 318	6.7	7.0	6.0	7.0	8.0	7.0	6.9
TD2	6.7	7.0	6.0	7.0	8.0	7.0	6.9
TITAN GLX (TF445)	6.0	7.3	6.0	7.3	8.0	7.0	6.9
XANADU (JT 268)	6.3	7.0	6.0	7.0	8.3	7.0	6.9
ZION (BAR TF 134)	6.7	7.0	6.3	7.3	7.7	6.7	6.9
DLFPS-321/3708	6.7	7.3	5.7	7.0	7.7	7.0	6.9
DYNAMITE G-LS (PPG-TF 254)	6.7	7.0	6.0	7.0	7.7	7.0	6.9
FIREHAWK SLT	6.7	7.0	6.0	7.0	7.7	7.0	6.9
K18-RS6	7.0	7.0	5.7	6.7	8.0	7.0	6.9
PST-5DZM	6.7	7.0	6.0	7.3	7.7	6.7	6.9
ROWDIER (DLFPS-321/3699)	6.3	7.0	6.3	6.7	8.0	7.0	6.9
RS1	6.7	7.0	6.3	7.0	7.7	6.7	6.9
TANGO	7.0	7.0	6.3	7.0	7.7	6.3	6.9
TITAN MAX (TF456)	6.7	7.0	6.0	7.0	8.0	6.7	6.9
FALCON SUPREME (RH1)	6.3	7.0	6.0	7.0	8.0	7.0	6.9
FAYETTE	6.7	7.0	5.7	7.0	8.0	7.0	6.9
NT-3	6.7	7.0	6.0	7.0	7.7	7.0	6.9
RDC	6.7	7.0	5.7	7.0	8.0	7.0	6.9
TOUGH (NAI-TUE)	7.0	7.0	6.0	7.0	7.7	6.7	6.9
BULLSEYE	6.7	6.7	6.0	6.7	7.7	7.3	6.8
DLFPS-321/3703	6.7	7.0	6.0	7.0	7.7	6.7	6.8
ENDGAME (3N1)	6.7	7.0	5.7	7.0	7.7	7.0	6.8
ESSENTIAL 2 (DLFPS-TF/3552)	6.3	7.0	5.7	7.0	8.0	7.0	6.8
EXTRAVAGANZA (PST-5MCMO)	6.3	7.0	6.0	7.0	7.7	7.0	6.8
GLX REVIVE (PST-5GLBS)	6.3	7.0	6.3	6.7	7.7	7.0	6.8
PST-5DC24	6.7	7.0	6.0	7.0	7.3	7.0	6.8
ROVER (PPG-TF 306)	6.7	7.0	6.0	7.0	8.0	6.3	6.8
SR 8700 (TMT1)	6.7	7.0	5.7	6.7	8.0	7.0	6.8
TANK (PPG-TF 338)	6.3	7.0	6.0	7.0	8.0	6.7	6.8
HEMI	6.3	6.7	6.3	7.0	7.7	6.7	6.8
ATF2116	6.7	6.7	6.0	7.0	7.7	6.7	6.8
BIRMINGHAM	6.3	6.7	6.0	6.7	8.0	7.0	6.8
JT 233	7.0	7.0	5.7	6.7	7.7	6.7	6.8
KIZZLE (K18-ROE)	6.3	6.7	6.0	7.0	7.7	7.0	6.8

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/
2022 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/							
NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
LAFAYETTE (GO-AOMK)	6.7	6.7	6.0	7.0	7.7	6.7	6.8
MOONDANCE GLX	6.3	7.0	6.0	7.0	7.7	6.7	6.8
PST-5TRN	6.3	6.7	6.3	7.0	7.7	6.7	6.8
RACEWAY (DLFPS-321/3696)	6.7	7.0	6.0	7.0	7.3	6.7	6.8
RAD-TF105	6.0	7.0	6.0	7.0	7.7	7.0	6.8
RAPTOR III	6.3	6.7	6.0	7.0	7.7	7.0	6.8
SETFM2	6.7	7.0	6.0	7.0	7.3	6.7	6.8
AST8218LM	7.0	7.0	5.7	7.0	7.3	6.3	6.7
BAR 9FE MAS	6.3	6.7	6.0	6.7	7.7	7.0	6.7
BENTLEY (DLFPS-321/3679)	6.3	6.7	6.0	7.0	7.7	6.7	6.7
FAIRFIELD (SETF104)	6.0	6.7	6.3	7.0	7.7	6.7	6.7
GLX ACED (PST-5DART)	6.0	6.7	6.0	7.0	8.0	6.7	6.7
NAI-FQZ-17	6.7	6.7	6.3	6.7	7.3	6.7	6.7
PADRE 2	6.3	6.7	6.3	7.0	7.3	6.7	6.7
TOPSHELF (BGR-TF3)	6.3	7.0	6.0	7.0	7.7	6.3	6.7
HELLCAT GLR (PST-5E6)	6.0	7.0	6.0	6.7	7.7	7.0	6.7
PST-5MINK	6.7	6.7	6.0	7.0	7.7	6.3	6.7
PST-5THM	6.7	6.7	5.7	6.7	7.7	7.0	6.7
BANDIT	6.3	7.0	5.7	7.0	7.7	6.3	6.7
BAR-FA8230	6.3	6.7	6.3	6.7	7.3	6.7	6.7
BRAVO 2	6.3	7.0	5.7	6.7	7.7	6.7	6.7
GRAND PRIX (FC15-01P)	6.0	7.0	6.0	6.7	7.7	6.7	6.7
MONUMENT (PST-5SQB)	6.3	6.3	5.7	7.0	7.7	7.0	6.7
ORIOLE (PST-5BYOB)	6.7	6.7	6.0	6.7	7.3	6.7	6.7
RAD-TF115 (TURBO SS)	6.0	6.7	6.0	6.7	7.7	7.0	6.7
SE5STAR	6.7	6.7	5.7	6.3	8.0	6.7	6.7
ESCALADE	6.7	6.3	5.7	6.3	7.7	7.0	6.6
GRO-PRO (SE53D2)	6.7	6.7	6.0	7.0	7.0	6.3	6.6
NATURALLY GREEN	6.0	7.0	6.0	6.7	7.3	6.7	6.6
A-TF31	6.0	7.0	5.7	6.7	7.7	6.3	6.6
COPIOUS TF	6.3	6.7	5.7	6.3	7.3	7.0	6.6
LBF	6.3	7.0	5.7	6.7	7.3	6.3	6.6
PRO GOLD	6.3	6.7	5.3	7.0	7.7	6.3	6.6
SETFM3	6.3	6.7	5.3	6.7	7.7	6.7	6.6
AST8118LM	6.3	7.0	5.7	6.3	7.3	6.7	6.6
ATF1768	6.3	6.7	6.0	6.3	7.3	6.3	6.5
BAR FA 8228	6.0	6.3	6.3	6.7	7.3	6.3	6.5
JT 517	6.0	6.7	5.3	6.7	7.7	6.7	6.5
PALOMAR	6.7	6.7	6.0	6.7	7.0	6.0	6.5
KENTUCKY-31	6.3	5.7	6.0	6.3	7.0	5.0	6.1
OG-WALK	5.7	6.3	5.3	6.7	6.7	5.7	6.1
LSD VALUE	1.0	0.6	0.7	0.7	0.8	0.8	0.5
C.V. (%)	9.0	5.6	7.4	6.1	6.7	7.1	4.6

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

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

TABLE 9.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								
	FEB	APR	MAY	JUN	JUL	AUG	SEP	NOV	MEAN
DLFPS-321/3708	5.0	6.3	6.7	7.0	7.7	7.0	7.7	7.0	6.8
DLFPS-321/3707	5.7	7.0	7.0	7.0	7.3	6.7	6.7	6.7	6.8
DAYBREAK (AH2)	5.3	6.3	7.0	7.0	6.7	7.7	7.0	6.3	6.7
CLASH (AH1)	5.3	7.0	6.7	7.0	7.0	6.7	6.7	6.3	6.6
FALCON SUPREME (RH1)	5.3	6.0	7.3	7.3	7.0	6.0	6.7	6.7	6.5
XANADU (JT 268)	4.7	6.3	7.3	7.0	7.0	7.0	6.3	6.3	6.5
AVENGER III (PPG-TF 308)	5.3	6.7	6.7	6.7	6.3	7.0	7.0	6.0	6.5
SOUTHSIDE (PPG-TF 267)	4.7	5.7	6.7	7.0	7.0	6.7	7.3	6.7	6.5
DLFPS-321/3706	5.3	5.7	6.0	6.7	7.0	7.0	7.0	6.7	6.4
EXPANSE (PPG-TF 262)	5.0	6.0	6.0	7.0	7.3	6.7	6.3	7.0	6.4
GALACTIC (SESCR1)	5.7	6.3	6.0	7.0	7.0	6.0	6.7	6.3	6.4
STEALTH (PPG-TF 238)	5.3	6.3	6.7	7.0	7.0	6.3	6.3	6.0	6.4
TITANIUM G-LS (PPG-TF 255)	5.7	7.3	6.7	6.7	6.0	6.0	6.0	6.7	6.4
HOUNDOG NINE (DLFPS-321/3702)	5.0	6.0	6.0	7.0	7.0	6.7	6.3	6.3	6.3
K18-WB1	5.3	6.0	6.0	6.3	7.0	6.7	6.7	6.3	6.3
SPYDER 2LS (ZRC1)	5.7	6.3	6.0	6.0	6.7	6.3	6.7	6.7	6.3
RS1	5.3	5.7	6.3	7.0	7.0	6.0	6.3	6.3	6.3
VALSETZ (PPG-TF 257)	5.3	6.0	6.7	6.7	6.3	6.0	6.7	6.3	6.3
BULLSEYE LTZ	4.7	6.7	6.7	6.0	6.0	7.0	6.7	6.0	6.2
DLFPS-321/3693	5.0	6.0	6.7	6.3	6.7	6.3	6.3	6.3	6.2
FAIRFIELD (SETF104)	5.0	6.0	6.0	6.3	6.3	7.0	6.7	6.3	6.2
FASTLANE (BY-TF-169)	5.3	6.0	6.0	6.3	7.0	6.7	6.3	6.0	6.2
RAPTOR LS (PPG-TF 336)	5.0	5.7	5.7	6.7	7.0	7.0	6.3	6.3	6.2
RHF	5.0	6.0	6.3	6.7	6.7	6.3	6.3	6.3	6.2
RHL2	5.0	6.0	6.3	6.0	7.3	6.0	6.3	6.7	6.2
TD2	4.7	5.7	6.7	7.0	6.3	6.7	6.3	6.3	6.2
BATTLE HAWK (NAI-ROS4)	4.7	6.0	7.0	6.3	6.7	6.3	6.3	6.0	6.2
BONFIRE (JS DTT)	5.0	6.0	6.3	6.7	6.3	6.3	6.3	6.3	6.2
PROVIDENCE (GO-RH20)	5.7	6.3	6.0	6.0	7.0	6.7	5.7	6.0	6.2
RACEWAY (DLFPS-321/3696)	5.0	6.3	6.0	6.0	7.0	6.3	6.3	6.3	6.2
ROVER (PPG-TF 306)	4.3	6.0	6.7	7.0	6.7	6.3	6.3	6.0	6.2
SYMPHONY (PPG-TF 305)	5.3	6.0	5.7	6.3	7.0	6.7	6.3	6.0	6.2
TEACHER (PPG-TF 313)	6.0	5.3	6.3	6.3	6.7	6.0	6.3	6.3	6.2
TRIAD (PPG-TF 323)	5.0	6.0	6.7	6.0	7.0	6.0	6.7	6.0	6.2
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.0	5.7	6.0	6.3	7.0	6.3	5.7	6.1
PPG-TF 316	5.0	5.7	6.3	7.0	7.0	6.0	6.0	6.0	6.1
DLFPS-321/3694	6.0	6.0	5.7	6.3	6.7	6.0	6.7	5.3	6.1
DLFPS-321/3695	5.3	5.7	6.0	6.3	6.3	6.7	6.3	6.0	6.1
DLFPS-321/3703	5.0	6.3	6.3	6.7	6.7	6.3	5.7	5.7	6.1
DLFPS-TF/3553	5.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.1
DRAGSTER	5.3	5.7	6.3	6.7	6.7	6.0	6.0	6.0	6.1
FINELAWN SUPREME (RH3)	5.0	5.7	6.7	6.7	6.3	6.3	6.3	5.7	6.1
HEMI	4.7	5.7	6.7	6.3	6.3	6.0	6.3	6.7	6.1
K18-NSE	5.0	5.0	6.0	6.7	7.3	6.7	6.0	6.0	6.1
K18-RS6	4.7	6.0	6.7	6.7	6.0	6.3	6.3	6.0	6.1

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								
	FEB	APR	MAY	JUN	JUL	AUG	SEP	NOV	MEAN
NAI-ST5	4.3	5.7	6.7	6.3	6.7	6.7	6.3	6.0	6.1
FIRENZA II (PPG-TF 244)	5.0	5.3	5.7	6.7	7.0	6.0	6.7	6.0	6.0
RDC	5.0	5.7	6.0	6.0	6.3	6.3	6.7	6.3	6.0
SR 8700 (TMT1)	4.7	5.7	6.0	6.7	7.0	6.7	5.7	6.0	6.0
TALLADEGA II (NAI-3N2)	5.0	6.0	6.7	6.7	6.3	5.7	6.0	6.0	6.0
ZION (BAR TF 134)	5.0	6.0	6.3	6.3	6.7	6.3	6.0	5.7	6.0
COL-TF-148	4.7	5.7	5.7	6.3	6.3	6.7	6.7	6.0	6.0
DEGAS (LTP-TF-111)	5.0	6.0	6.0	6.3	6.7	6.3	6.3	5.3	6.0
FIRECRACKER G-LS (PPG-TF 315)	4.7	6.0	6.0	5.7	6.3	6.3	6.7	6.3	6.0
HELLCAT GLR (PST-5E6)	5.7	6.0	6.0	6.0	6.0	6.3	6.3	5.7	6.0
SERENADE (PPG-TF 320)	5.3	6.7	6.0	6.3	6.3	5.7	5.7	6.0	6.0
TANK (PPG-TF 338)	4.7	6.3	6.0	6.3	6.7	6.0	5.7	6.3	6.0
DYNAMITE G-LS (PPG-TF 254)	4.3	5.7	6.0	7.0	6.3	6.0	6.0	6.3	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	5.7	6.3	6.0	6.0	5.7	6.3	6.3	6.0
OKEEFE (LTP-TF-122)	4.7	5.7	5.3	6.0	6.7	7.0	6.3	6.0	6.0
PPG-TF 249	4.7	5.7	5.7	6.7	6.7	6.3	6.0	6.0	6.0
TITAN GLX (TF445)	5.3	6.0	5.7	6.7	6.7	5.7	6.0	5.7	6.0
KIZZLE (K18-ROE)	4.7	5.3	6.0	6.3	6.3	6.7	6.3	5.7	5.9
NT-3	4.0	6.0	6.0	6.0	6.3	6.3	6.3	6.3	5.9
PPG-TF 231	5.0	6.0	6.3	6.0	6.0	6.0	6.0	6.0	5.9
PPG-TF 312	5.0	5.7	6.0	5.7	6.3	6.3	6.3	6.0	5.9
SETFM3	4.7	6.3	6.3	6.7	6.3	6.0	5.7	5.3	5.9
5LSS	4.7	4.7	6.3	6.7	6.3	6.3	6.3	5.7	5.9
CAPITAN (DLFPS-321/3705)	4.3	5.7	6.3	6.7	6.3	6.3	6.0	5.3	5.9
ENDGAME (3N1)	4.7	5.7	6.0	6.3	6.7	6.3	6.0	5.3	5.9
GALLARDO (DLFPS-TF/3550)	5.0	6.7	6.0	5.7	6.0	6.0	6.0	5.7	5.9
JT 233	5.0	5.7	6.7	6.3	6.0	5.3	6.0	6.0	5.9
LAFAYETTE (GO-AOMK)	3.7	6.0	6.7	6.3	6.7	6.0	5.3	6.0	5.8
RAD-TF105	5.0	6.0	6.3	6.3	6.0	6.0	5.7	5.3	5.8
ROWDIER (DLFPS-321/3699)	4.7	5.7	6.3	6.3	6.0	6.3	5.7	5.7	5.8
FIREHAWK SLT	4.3	6.3	6.3	5.0	6.3	6.3	6.0	5.7	5.8
PARAMOUNT	4.7	5.3	6.0	6.7	6.3	5.7	5.7	6.0	5.8
PPG-TF 337	4.3	5.3	6.3	6.0	7.0	5.7	6.0	5.7	5.8
RC4	4.0	5.0	6.0	6.0	6.3	6.3	6.7	6.0	5.8
TITAN MAX (TF456)	5.0	6.3	5.7	5.7	6.7	5.7	5.7	5.7	5.8
ESTRENA	4.7	5.7	6.0	7.0	6.0	5.7	5.3	5.7	5.8
GRANDE 3	4.7	5.0	6.0	6.7	5.7	6.3	5.7	6.0	5.8
PPG-TF 318	5.0	6.0	6.0	5.3	6.3	6.0	5.7	5.7	5.8
A-TF31	5.0	5.0	5.3	6.7	6.3	6.0	5.7	5.7	5.7
GLX ACED (PST-5DART)	4.7	5.7	5.7	6.3	5.7	6.0	6.0	5.7	5.7
JT 517	4.3	5.7	5.7	6.3	5.7	6.7	5.7	5.7	5.7
PADRE 2	5.0	5.3	6.0	6.7	6.0	5.3	5.3	5.7	5.7
RAPTOR III	3.7	5.3	6.7	5.3	6.3	6.0	6.0	6.0	5.7
RAD-TF115 (TURBO SS)	5.0	5.3	5.0	6.0	6.0	6.0	6.3	5.3	5.6
ATF2116	4.3	5.7	5.7	6.7	5.7	6.0	5.0	5.7	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/
2022 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								MEAN
	FEB	APR	MAY	JUN	JUL	AUG	SEP	NOV	
BIRMINGHAM	4.7	6.0	5.7	6.0	6.0	5.7	5.0	5.7	5.6
PST-5DC24	4.3	6.0	5.7	6.0	6.0	5.7	6.0	5.0	5.6
PST-5GQ	4.0	5.7	6.0	6.7	5.3	5.7	6.0	5.3	5.6
RAD-TF131	4.7	5.3	5.7	5.7	6.0	5.7	5.7	6.0	5.6
3B2	4.0	4.7	6.0	6.7	6.0	5.7	5.7	5.7	5.5
COPIOUS TF	4.3	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.5
FAYETTE	4.7	5.3	6.0	6.0	5.7	5.7	5.3	5.7	5.5
LBF	4.3	5.3	5.3	6.3	6.0	5.7	5.3	6.0	5.5
SETFM2	4.3	6.0	5.0	5.7	6.7	5.3	5.7	5.7	5.5
GLX REVIVE (PST-5GLBS)	4.3	6.0	5.7	6.0	5.7	5.7	5.7	5.0	5.5
GRO-PRO (SE53D2)	4.0	5.0	6.3	6.7	6.0	5.0	5.7	5.3	5.5
PST-5DZM	3.7	6.0	6.0	6.0	5.3	5.7	5.7	5.7	5.5
ATF1768	4.3	5.7	5.7	6.0	5.7	5.3	5.3	5.7	5.5
LIFEGUARD	4.3	5.7	5.3	5.0	6.0	6.0	6.0	5.3	5.5
PST-5THM	4.3	5.3	6.3	6.0	5.7	5.3	5.7	5.0	5.5
BENTLEY (DLFPS-321/3679)	5.3	5.3	5.7	6.3	5.0	5.0	5.0	5.7	5.4
BULLSEYE	4.3	5.0	5.7	6.0	6.0	5.7	5.3	5.3	5.4
NAI-FQZ-17	4.0	5.3	5.7	5.7	6.0	5.7	5.3	5.7	5.4
NATURALLY GREEN	4.3	5.3	5.3	6.3	5.7	5.7	5.7	5.0	5.4
PRO GOLD	4.7	5.0	5.7	6.0	5.7	5.7	5.3	5.3	5.4
TANGO	4.3	5.3	5.7	6.0	5.3	5.3	5.7	5.7	5.4
TOPSHELF (BGR-TF3)	4.3	5.7	5.7	6.3	5.7	5.0	5.3	5.3	5.4
EXTRAVAGANZA (PST-5MCMO)	4.3	5.7	5.3	5.7	5.7	5.3	6.0	5.0	5.4
GRAND PRIX (FC15-01P)	4.0	5.7	5.7	6.0	6.0	5.7	5.0	5.0	5.4
BANDIT	4.0	5.0	5.3	6.3	5.7	5.7	5.0	5.7	5.3
BAR 9FE MAS	4.0	5.7	6.0	5.3	5.0	6.0	5.0	5.3	5.3
MONUMENT (PST-5SQB)	4.7	5.3	5.7	5.7	6.0	5.0	5.0	5.0	5.3
ORIOLE (PST-5BYOB)	4.0	5.3	6.0	6.0	5.7	5.0	5.3	5.0	5.3
AST8118LM	4.0	5.7	5.7	5.3	6.0	5.3	5.0	5.0	5.3
AST8218LM	4.0	5.7	5.0	6.0	6.0	6.0	4.3	5.0	5.3
BRAVO 2	3.7	5.7	5.3	5.3	5.7	5.3	5.3	5.7	5.3
PST-5MINK	4.0	5.0	5.7	5.7	6.0	5.3	5.3	4.7	5.2
SE5STAR	4.0	5.3	5.7	6.0	5.7	5.0	5.0	5.0	5.2
TOUGH (NAI-TUE)	3.7	5.3	6.0	5.7	5.0	5.3	5.0	5.3	5.2
PST-5TRN	4.0	5.0	5.3	5.7	5.7	5.3	5.0	4.7	5.1
MOONDANCE GLX	3.3	5.0	5.7	6.0	5.0	5.0	5.0	5.0	5.0
ESCALADE	3.7	5.3	5.3	5.7	5.3	5.0	4.7	4.3	4.9
OG-WALK	4.0	5.0	4.7	5.7	5.0	5.3	4.7	4.7	4.9
BAR-FA8230	3.7	4.7	4.7	5.7	5.3	4.7	5.0	5.0	4.8
PALOMAR	3.7	5.0	5.0	5.7	5.3	4.7	5.0	4.3	4.8
BAR FA 8228	4.0	5.0	5.0	4.7	4.0	4.3	4.7	4.3	4.5
KENTUCKY-31	3.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.4
LSD VALUE	0.8	1.0	1.1	1.3	0.8	1.1	1.0	1.0	0.5
C.V. (%)	11.3	10.4	11.6	13.0	8.4	10.9	10.9	10.4	5.8

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

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

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2022 DATA

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

NAME	TURFGRASS QUALITY AND OTHER RATINGS							QUALITY RATINGS							MEAN
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
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
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
GLX REVIVE (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
TOPSHELF (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
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	6.3	7.0	7.0	7.0	6.9
ENDGAME (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
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
VALSETZ (PPG-TF 257)	6.0	6.7	8.3	8.0	6.3	6.3	7.0	7.0	7.0	6.7	7.0	6.7	7.0	6.7	6.9
RACEWAY (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
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
BENTLEY (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
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-321/3694	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-321/3706	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
LAFAYETTE (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
PROVIDENCE (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
HOUNDG NINE (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
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
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

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2022 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	
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
ROVER (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
ROWDIER (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
SE5STAR	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
SR 8700 (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
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
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
BLADERUNNER 3 (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
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
CAPITAN (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
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-321/3707	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
ESSENTIAL 2 (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
EXPANSE (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
FALCON SUPREME (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
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

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2022 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	
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
ORIOLE (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
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-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
EXTRAVAGANZA (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
CLASH (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
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
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
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
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
FASTLANE (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
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
GALLARDO (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
HELLCAT GLR (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
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
BATTLE HAWK (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
SOUTHSIDE (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
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
FINELAWN SUPREME (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
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
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/
2022 DATA

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-NOVEMBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
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
DLFPS-321/3703	7.0	6.0	6.0	91.7	93.0	87.7	87.7	68.3	96.3
GLX REVIVE (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
TOPSHELF (BGR-TF3)	7.3	6.7	7.3	89.7	93.7	85.3	85.3	62.7	87.3
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
ENDGAME (3N1)	7.7	6.7	5.7	91.7	91.0	88.7	88.7	46.3	90.3
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
VALSETZ (PPG-TF 257)	7.0	5.0	5.7	86.3	92.0	92.7	92.7	62.3	96.0
RACEWAY (DLFPS-321/3696)	7.0	5.0	5.7	85.0	93.7	90.0	90.0	69.0	97.7
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
BENTLEY (DLFPS-321/3679)	7.3	6.0	6.7	89.3	94.0	89.0	89.0	59.3	94.3
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-321/3694	7.0	6.0	6.0	89.3	94.3	90.0	90.0	56.3	91.7
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
LAFAYETTE (GO-AOMK)	6.3	6.0	7.0	85.7	94.0	84.0	84.0	46.3	85.7
PROVIDENCE (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
HOUNDG NINE (DLFPS-321/3702)	7.3	6.0	6.3	88.3	94.7	89.0	89.0	64.7	94.7
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
PALOMAR	7.3	6.0	6.7	90.7	95.0	90.7	90.7	59.7	90.0

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2022 DATA

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-NOVEMBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
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
ROVER (PPG-TF 306)	7.0	5.0	6.0	89.7	96.3	90.3	90.3	62.7	96.3
ROWDIER (DLFPS-321/3699)	7.7	6.0	6.3	91.0	96.0	94.3	94.3	55.0	95.7
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
SR 8700 (TMT1)	6.7	6.3	6.7	81.3	95.7	89.7	89.7	55.7	91.3
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
BAR 9FE MAS	6.7	6.0	6.0	85.0	84.7	79.3	79.3	47.0	85.0
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.7	6.0	81.3	90.3	81.7	81.7	52.0	91.7
BULLSEYE LTZ	6.3	5.3	5.7	91.0	97.0	87.0	87.0	64.0	91.7
CAPITAN (DLFPS-321/3705)	6.7	4.7	5.3	87.7	96.0	92.0	92.0	77.0	98.0
COPIOUS TF	7.0	5.3	5.3	82.3	90.0	91.7	91.7	59.3	93.7
DLFPS-321/3707	7.3	5.3	5.0	87.0	94.7	93.0	93.0	54.7	90.0
ESSENTIAL 2 (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
EXPANSE (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
FALCON SUPREME (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
GALACTIC (SESCR1)	6.7	5.7	5.7	75.0	90.3	94.3	94.3	51.0	91.7

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT GROUND COVER		FROM APRIL-NOVEMBER			
				APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
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
ORIOLE (PST-5BYOB)	7.3	5.3	5.0	84.7	95.7	95.3	95.3	50.0	95.0
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-5GQ	6.7	5.7	6.3	92.0	96.3	87.0	87.0	53.3	93.7
EXTRAVAGANZA (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
CLASH (AH1)	6.7	5.0	5.0	88.7	91.7	89.3	89.3	60.7	95.7
COL-TF-148	6.3	5.3	5.7	86.3	96.7	90.7	90.7	48.7	92.0
DAYBREAK (AH2)	7.0	5.7	5.3	91.3	93.7	93.3	93.3	56.7	91.3
DLFPS-321/3693	7.0	5.7	6.0	89.7	96.7	85.3	85.3	44.7	92.0
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
FASTLANE (BY-TF-169)	7.0	5.3	5.3	86.7	96.3	94.7	94.7	56.0	96.3
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
GALLARDO (DLFPS-TF/3550)	6.7	6.3	7.0	79.0	94.7	89.0	89.0	37.3	73.0
HELLCAT GLR (PST-5E6)	6.3	5.7	4.7	85.0	96.0	94.3	94.3	54.3	91.7
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
BATTLE HAWK (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
SOUTHSIDE (PPG-TF 267)	7.0	5.3	5.3	80.0	93.3	94.0	94.0	48.3	86.7
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
FINELAWN SUPREME (RH3)	6.3	4.7	4.3	83.3	96.0	92.3	92.3	48.0	93.7
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
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/
2022 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
K18-RS6	6.3	6.3	5.7	6.3	6.3	6.0	6.7	6.0	6.7	6.3	5.7	6.3
BENTLEY (DLFPS-321/3679)	5.3	5.7	5.3	6.3	6.7	6.3	6.7	6.0	6.0	5.7	6.0	6.2
DAYBREAK (AH2)	5.0	6.0	5.7	6.3	6.0	6.0	6.7	6.0	6.3	6.3	6.0	6.2
DRAGSTER	5.7	6.3	6.3	6.0	6.0	6.0	6.7	6.3	6.3	6.7	5.7	6.2
RC4	6.0	6.0	6.0	7.0	6.3	6.3	7.0	5.7	6.0	6.0	5.3	6.2
PARAMOUNT	5.7	5.7	6.0	6.7	6.0	6.3	6.3	5.7	6.0	6.0	5.7	6.1
SPYDER 2LS (ZRC1)	5.3	5.3	5.3	6.3	6.0	5.7	6.0	5.7	6.7	6.7	6.0	6.1
DEGAS (LTP-TF-111)	6.0	5.3	5.3	6.0	6.0	5.7	6.0	5.7	6.3	6.3	6.0	6.0
DYNAMITE G-LS (PPG-TF 254)	5.3	5.0	5.0	6.0	6.7	5.7	6.0	6.0	6.0	6.0	5.3	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	5.7	5.7	6.3	6.0	6.0	5.3	5.3	6.3	6.3	6.0	6.0
PPG-TF 316	5.3	6.3	6.3	6.0	5.7	6.0	6.3	5.7	6.3	6.3	5.3	6.0
PRO GOLD	5.3	6.0	5.3	6.3	6.0	6.0	6.7	6.7	5.7	5.7	5.0	6.0
RDC	5.3	5.7	5.0	6.3	6.0	6.0	6.0	5.7	5.7	6.3	6.0	6.0
ROVER (PPG-TF 306)	5.0	5.3	5.7	6.3	5.7	5.3	6.7	6.0	6.3	6.0	5.3	6.0
TANK (PPG-TF 338)	5.3	5.0	5.0	5.7	6.0	5.7	6.7	6.3	5.7	5.7	6.0	6.0
TRIAD (PPG-TF 323)	6.7	5.3	6.0	6.3	6.0	6.3	6.3	5.7	6.0	6.0	5.3	6.0
CLASH (AH1)	6.7	7.0	6.7	6.0	6.0	5.3	6.0	6.0	5.7	6.3	5.7	5.9
BONFIRE (JS DTT)	5.3	5.3	5.3	6.0	5.7	6.0	6.0	5.7	6.0	6.3	5.3	5.9
JT 233	5.3	5.3	5.3	6.7	5.0	5.7	6.7	5.7	6.0	5.7	5.7	5.9
BATTLE HAWK (NAI-ROS4)	5.3	6.0	5.3	6.0	5.7	6.0	6.3	6.0	5.7	6.0	5.7	5.9
RHL2	5.7	6.0	5.3	6.3	5.3	5.7	6.0	5.7	6.3	6.0	5.7	5.9
BULLSEYE LTZ	5.7	6.0	5.7	6.0	6.0	6.7	5.7	5.7	5.3	5.3	5.3	5.8
ESTRENA	5.0	5.7	5.3	5.3	6.0	5.7	6.0	5.7	5.3	6.3	5.7	5.8
FINELAWN SUPREME (RH3)	5.7	6.0	6.0	6.7	5.7	5.7	6.3	5.3	5.7	5.3	5.3	5.8
PROVIDENCE (GO-RH20)	6.0	6.0	6.0	6.0	5.7	5.3	6.0	6.0	6.3	5.7	5.0	5.8
LIFEGUARD	6.3	6.3	5.7	6.7	5.3	5.7	6.0	5.3	6.0	6.0	5.3	5.8
PPG-TF 231	5.3	5.7	6.0	6.0	5.3	5.7	6.7	6.0	5.3	5.7	5.3	5.8
RAD-TF105	5.3	5.7	5.7	5.3	5.3	5.3	6.7	6.3	5.7	6.0	5.3	5.8
FALCON SUPREME (RH1)	5.3	5.3	5.7	6.0	5.7	5.3	5.7	6.0	6.3	6.0	5.7	5.8
ROWDIER (DLFPS-321/3699)	6.3	6.0	5.7	5.7	5.7	5.7	6.7	5.7	5.3	6.3	5.3	5.8
SYMPHONY (PPG-TF 305)	6.0	5.7	5.7	5.3	5.3	6.7	6.3	6.0	5.3	6.0	5.7	5.8
CAPITAN (DLFPS-321/3705)	5.7	6.7	6.0	5.7	5.7	5.7	6.0	5.7	5.3	6.0	5.3	5.7
DLFPS-321/3707	6.0	5.7	5.3	6.3	5.0	5.3	6.0	5.7	5.3	6.0	5.7	5.7
FIRECRACKER G-LS (PPG-TF 315)	5.3	5.3	5.3	5.3	5.3	6.3	6.0	5.7	6.0	6.0	5.0	5.7
NT-3	5.3	5.7	5.3	5.7	5.7	5.3	5.3	6.0	6.3	5.7	5.3	5.7
OKEEFE (LTP-TF-122)	5.3	6.3	5.7	5.7	5.3	5.3	6.3	5.3	6.0	6.0	5.7	5.7
PPG-TF 318	6.3	6.3	5.7	6.0	5.7	5.7	6.0	5.3	6.0	5.3	5.7	5.7
RACEWAY (DLFPS-321/3696)	5.3	6.0	5.7	5.7	5.7	5.7	6.0	5.7	6.0	5.7	5.3	5.7
RS1	5.7	6.3	6.0	5.7	5.7	5.7	6.0	5.3	6.0	6.0	5.3	5.7
SR 8700 (TMT1)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	5.3	6.0	5.3	5.3	5.7
STEALTH (PPG-TF 238)	6.0	6.0	6.3	5.7	6.0	5.7	5.7	5.3	5.7	6.0	5.3	5.7
TALLADEGA II (NAI-3N2)	6.0	6.7	6.3	6.3	5.3	5.3	5.7	5.3	6.0	6.0	5.3	5.7
5LSS	5.7	6.0	5.0	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6
ATF1768	6.0	5.7	5.7	6.0	5.7	5.3	6.0	5.3	5.7	5.3	5.3	5.6
AVENGER III (PPG-TF 308)	5.7	5.7	5.7	5.7	5.7	5.0	5.7	5.3	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/
2022 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS									MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
DLFPS-TF/3553	5.3	5.7	5.7	6.0	5.3	5.3	5.7	5.3	6.0	6.0	5.3	5.6	
GALACTIC (SESCR1)	6.3	6.3	6.3	6.3	5.3	5.3	5.7	5.3	5.3	6.0	5.7	5.6	
HEMI	5.7	5.3	6.0	5.3	5.3	5.7	6.3	5.7	5.3	6.0	5.3	5.6	
PPG-TF 249	6.0	6.0	5.7	6.0	5.7	5.3	5.7	5.3	5.7	6.0	5.0	5.6	
GLX REVIVE (PST-5GLBS)	5.3	5.3	5.0	6.0	5.0	5.7	5.7	5.7	5.7	5.3	5.7	5.6	
RAPTOR LS (PPG-TF 336)	6.3	6.3	6.3	5.3	5.3	6.0	5.7	6.0	5.3	6.0	5.0	5.6	
RHF	5.0	4.7	5.0	5.7	5.7	5.7	5.7	5.7	5.0	5.7	5.7	5.6	
XANADU (JT 268)	5.3	6.0	5.7	5.7	5.7	5.7	6.0	5.3	5.7	5.7	5.3	5.6	
ZION (BAR TF 134)	5.7	5.7	5.7	6.0	5.3	5.7	5.0	5.3	6.0	6.0	5.3	5.6	
3B2	5.0	4.7	4.3	5.3	5.7	5.3	5.3	5.3	6.0	5.7	5.7	5.5	
COL-TF-148	6.0	6.0	6.0	6.0	5.0	5.7	6.0	5.3	5.3	5.3	5.0	5.5	
DLFPS-321/3694	5.3	6.0	5.3	6.7	5.3	5.3	5.3	5.7	5.3	5.3	4.7	5.5	
DLFPS-321/3703	4.3	4.7	4.7	5.7	5.0	5.3	5.7	5.3	5.7	5.7	5.7	5.5	
GLX ACED (PST-5DART)	5.0	5.7	5.0	5.7	5.7	6.0	5.3	5.3	5.3	5.7	5.3	5.5	
HOUNDOG NINE (DLFPS-321/3702)	6.0	5.7	5.0	5.7	5.7	5.0	6.0	5.3	5.3	6.0	5.0	5.5	
K18-NSE	6.0	6.3	6.0	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.5	
KIZZLE (K18-ROE)	5.0	5.7	5.7	5.0	5.3	5.7	5.7	6.0	5.3	5.0	6.0	5.5	
VALSETZ (PPG-TF 257)	5.0	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.3	5.5	
EXPANSE (PPG-TF 262)	6.7	6.0	6.0	6.0	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.5	
SOUTHSIDE (PPG-TF 267)	5.7	5.3	5.0	5.3	5.7	5.3	5.7	6.0	5.3	5.7	5.0	5.5	
PPG-TF 337	5.0	5.3	5.0	5.3	5.3	5.7	6.0	5.7	5.3	5.7	5.3	5.5	
PST-5MINK	5.0	5.0	5.0	6.3	5.0	5.3	6.0	5.7	5.3	5.3	5.0	5.5	
TITAN MAX (TF456)	5.7	5.7	5.7	6.0	5.3	5.3	5.7	5.0	6.3	5.7	5.0	5.5	
TITANIUM G-LS (PPG-TF 255)	5.7	5.0	5.7	6.0	5.7	5.3	5.7	5.3	5.3	5.7	5.3	5.5	
BLADERUNNER 3 (DLFPS-321/3701)	5.7	5.7	6.0	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.0	5.4	
FIRENZA II (PPG-TF 244)	6.3	6.0	6.0	5.7	5.0	5.3	5.3	5.7	5.7	5.3	5.3	5.4	
GRANDE 3	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.7	5.0	5.7	5.7	5.4	
PST-5GQ	5.0	4.7	4.7	6.0	5.7	5.3	5.3	5.3	5.3	5.3	5.0	5.4	
RAPTOR III	5.7	6.0	6.0	5.7	5.0	5.7	5.0	5.3	5.7	5.7	5.0	5.4	
SERENADE (PPG-TF 320)	5.3	5.3	5.3	5.7	5.0	5.7	5.7	5.3	5.3	5.3	5.3	5.4	
BIRMINGHAM	4.7	5.0	5.0	5.3	5.0	5.3	5.7	4.7	5.7	5.3	5.3	5.3	
BULLSEYE	5.0	5.3	5.7	5.3	5.7	5.3	5.3	5.3	5.0	5.3	5.0	5.3	
COPIOUS TF	4.7	5.7	5.0	5.0	5.3	5.0	5.3	5.0	5.3	5.3	5.7	5.3	
DLFPS-321/3693	4.7	5.0	5.3	6.0	5.7	5.3	5.0	5.0	5.0	5.7	5.0	5.3	
DLFPS-321/3708	5.0	5.3	5.0	5.0	5.7	5.3	5.0	5.0	5.0	5.3	6.0	5.3	
FASTLANE (BY-TF-169)	5.3	5.7	5.7	5.7	5.0	5.7	5.3	5.0	5.3	5.7	5.0	5.3	
GALLARDO (DLFPS-TF/3550)	5.3	5.7	5.7	5.7	5.0	5.7	5.7	5.3	5.0	5.3	5.0	5.3	
MONUMENT (PST-5SQB)	5.7	5.7	5.3	6.0	5.0	5.0	5.0	5.0	5.7	5.3	5.0	5.3	
ORIOLE (PST-5BYOB)	5.0	5.7	5.0	6.0	5.3	5.0	5.3	5.0	5.3	5.7	5.0	5.3	
TD2	5.0	6.0	5.7	5.7	5.3	4.7	5.3	5.3	5.7	5.0	5.7	5.3	
TEACHER (PPG-TF 313)	5.3	6.0	6.0	6.0	5.0	5.0	5.0	5.3	5.7	5.3	5.0	5.3	
TITAN GLX (TF445)	5.3	4.7	5.3	5.7	5.0	5.3	5.3	5.3	5.3	5.7	5.0	5.3	
DLFPS-321/3695	4.7	4.7	4.7	5.7	5.0	5.0	5.3	5.3	5.3	4.7	5.3	5.2	
DLFPS-321/3706	5.3	5.3	5.3	5.3	5.0	5.0	5.0	5.0	5.3	5.7	5.3	5.2	
ENDGAME (3N1)	5.3	5.7	5.7	5.0	5.3	5.0	5.0	4.7	5.7	6.0	5.0	5.2	
FAYETTE	5.0	5.3	5.3	5.3	5.0	5.0	5.3	5.0	5.0	5.3	5.3	5.2	

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2022 DATA

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

NAME	WEAR TOLERANCE					QUALITY RATINGS						MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
FIREHAWK SLT	5.7	5.7	6.0	5.7	5.0	5.0	5.3	5.0	5.0	5.3	5.0	5.2
GRO-PRO (SE53D2)	6.0	5.7	5.7	5.7	5.0	5.3	5.7	5.0	5.0	5.0	4.7	5.2
HELLCAT GLR (PST-5E6)	5.3	6.0	5.3	5.0	5.3	5.0	5.0	5.3	5.3	5.3	5.0	5.2
K18-WB1	5.7	6.0	5.7	5.7	5.3	5.3	5.0	5.0	5.0	5.0	5.3	5.2
NAI-ST5	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.0	5.0	5.3	5.2
PADRE 2	5.7	6.0	5.3	5.3	5.0	5.0	5.3	5.0	5.0	5.3	5.3	5.2
PPG-TF 312	5.3	4.3	5.0	5.3	5.0	5.0	5.3	5.0	5.3	5.0	5.3	5.2
EXTRAVAGANZA (PST-5MCMO)	5.3	5.7	5.0	5.3	5.0	5.7	5.7	5.3	5.0	4.7	5.0	5.2
SE5STAR	5.7	6.0	6.0	5.3	5.3	5.0	5.0	5.0	5.7	5.3	5.0	5.2
SETFM3	5.0	5.3	5.7	5.3	5.0	5.0	5.3	5.0	5.3	5.3	5.3	5.2
TOPSHELF (BGR-TF3)	5.3	5.7	5.7	5.3	5.0	5.0	5.3	5.3	5.7	5.0	5.0	5.2
TOUGH (NAI-TUE)	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.0	5.3	4.7	5.2
ESCALADE	5.0	4.7	4.7	5.7	5.0	5.0	5.7	4.7	5.0	5.0	5.0	5.1
FAIRFIELD (SETF104)	4.0	4.7	5.0	5.3	5.0	5.0	5.3	5.0	5.0	5.3	5.0	5.1
GRAND PRIX (FC15-01P)	5.3	6.0	6.3	5.3	5.0	4.7	5.0	5.3	5.3	5.0	5.0	5.1
JT 517	5.3	5.7	5.7	5.0	5.3	4.7	5.0	4.7	5.3	5.3	5.3	5.1
LBF	5.3	5.7	5.7	5.3	4.7	5.0	5.7	5.0	5.0	5.0	5.0	5.1
MOONDANCE GLX	5.0	4.7	4.3	5.0	5.0	5.3	5.3	5.3	4.7	5.0	5.3	5.1
NATURALLY GREEN	5.3	5.3	4.7	5.3	5.0	5.0	4.7	5.3	5.0	5.3	5.3	5.1
PST-5THM	5.3	5.7	4.7	5.0	5.0	5.0	5.7	5.0	5.0	4.7	5.3	5.1
SETFM2	5.0	5.3	5.3	5.0	4.7	5.0	5.0	5.0	5.3	5.3	5.3	5.1
TANGO	5.3	4.7	5.0	5.3	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.1
A-TF31	4.7	5.3	5.0	4.7	5.3	5.0	5.3	4.7	5.0	5.3	5.0	5.0
BRAVO 2	6.0	4.3	5.0	4.7	4.7	5.0	5.7	4.7	5.0	5.0	5.7	5.0
PST-5DC24	5.3	5.3	5.0	5.0	5.0	4.3	5.7	4.7	5.0	5.0	5.3	5.0
PST-5DZM	5.3	5.0	6.0	5.3	5.0	5.0	5.0	5.0	5.0	5.0	4.7	5.0
RAD-TF115 (TURBO SS)	5.7	5.7	5.7	5.0	5.0	4.3	5.0	5.0	5.3	5.0	5.0	5.0
AST8118LM	5.7	5.7	5.7	5.0	5.0	4.7	5.3	4.3	5.0	5.0	4.7	4.9
ATF2116	5.7	5.7	6.0	5.3	5.0	5.3	5.0	5.0	4.3	4.7	4.7	4.9
BANDIT	5.3	6.0	5.7	4.7	4.7	4.7	5.0	5.0	4.7	5.7	5.0	4.9
BAR-FA8230	5.7	5.7	5.0	5.0	5.0	5.3	4.3	5.0	5.0	5.0	4.7	4.9
AST8218LM	4.7	5.0	4.7	4.7	4.7	4.7	5.3	4.3	5.0	5.0	5.0	4.8
LAFAYETTE (GO-AOMK)	5.7	5.7	5.7	4.7	4.7	4.7	5.0	4.7	5.0	4.7	4.7	4.8
PST-5TRN	5.0	5.7	5.7	5.0	4.7	5.0	5.0	4.3	4.7	4.7	5.0	4.8
RAD-TF131	5.0	5.0	5.3	5.0	4.7	4.7	5.0	5.0	4.7	5.0	4.3	4.8
NAI-FQZ-17	5.3	5.0	6.0	5.0	4.7	5.0	4.7	4.3	4.7	4.3	4.7	4.7
OG-WALK	4.7	4.7	5.0	5.0	4.3	5.0	4.3	5.0	4.3	4.7	5.0	4.7
PALOMAR	5.3	4.7	4.7	4.7	4.7	5.0	5.0	4.7	4.3	4.7	4.7	4.7
BAR FA 8228	4.7	5.3	5.0	5.3	4.3	4.7	4.0	4.3	4.3	4.3	4.7	4.5
BAR 9FE MAS	4.7	4.3	4.7	4.0	4.0	4.3	4.3	4.0	4.0	4.3	4.0	4.1
KENTUCKY-31	3.0	3.0	3.0	3.0	3.0	3.3	3.0	3.0	3.0	3.0	3.0	3.0
LSD VALUE	1.0	1.0	1.1	0.9	1.3	0.9	1.1	0.8	1.1	1.1	0.8	0.6
C.V. (%)	10.5	10.3	10.6	9.4	11.8	9.7	10.9	8.7	11.0	10.8	8.7	6.7

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

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

TABLE 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	MAY 10		MAY 10		JUNE 22		JUNE 23		JUNE 20	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PPG-TF 312	7.3	6.7	83.0	81.7	9.0	6.3	97.7	68.3	94.0	97.7
A-TF31	9.0	8.0	94.7	85.0	8.7	6.7	96.3	75.0	93.0	97.3
BONFIRE (JS DTT)	9.0	7.0	97.7	83.3	9.0	6.0	93.3	63.3	92.7	97.3
DRAGSTER	8.7	5.7	91.7	65.0	8.0	5.3	88.3	56.7	93.7	97.3
KENTUCKY-31	5.0	4.3	53.3	41.7	4.3	2.3	41.7	21.7	97.7	97.3
ORIOLE (PST-5BYOB)	9.0	7.0	96.3	76.7	8.7	6.7	95.0	63.3	95.0	97.3
VALSETZ (PPG-TF 257)	9.0	7.7	99.0	85.0	9.0	6.7	96.3	68.3	94.0	97.3
PRO GOLD	9.0	8.7	97.7	93.3	9.0	7.3	95.0	73.3	94.3	97.3
5LSS	9.0	8.3	99.0	90.0	9.0	7.3	99.0	75.0	94.0	97.0
ATF2116	8.0	5.7	86.7	61.7	8.0	5.0	90.0	50.0	93.3	97.0
BANDIT	8.7	7.0	94.7	81.7	8.7	6.7	95.0	65.0	93.3	97.0
BIRMINGHAM	9.0	7.7	94.7	76.7	8.3	6.3	95.0	68.3	94.3	97.0
BULLSEYE	9.0	7.7	96.0	85.0	8.7	6.7	95.0	66.7	92.3	97.0
DAYBREAK (AH2)	9.0	8.3	97.7	88.3	9.0	7.0	99.0	71.7	93.7	97.0
DEGAS (LTP-TF-111)	9.0	7.7	96.3	85.0	8.7	6.3	96.3	63.3	93.0	97.0
DLFPS-321/3706	8.7	6.3	97.7	76.7	9.0	6.0	94.7	65.0	94.3	97.0
DLFPS-321/3707	9.0	7.0	99.0	85.0	9.0	7.0	97.7	70.0	94.3	97.0
ENDGAME (3N1)	9.0	7.7	97.7	88.3	9.0	7.7	97.7	78.3	93.3	97.0
ESTRENA	9.0	8.3	99.0	85.0	9.0	7.0	97.7	71.7	94.0	97.0
FINELAWN SUPREME (RH3)	9.0	8.7	99.0	91.7	9.0	8.0	96.3	83.3	94.3	97.0
FASTLANE (BY-TF-169)	8.3	6.0	90.0	66.7	8.7	6.0	93.3	60.0	94.3	97.0
FIREHAWK SLT	9.0	7.0	97.7	75.0	9.0	5.7	96.3	65.0	93.3	97.0
GLX ACED (PST-5DART)	9.0	8.0	96.0	88.3	9.0	7.3	95.0	76.7	95.0	97.0
HELLCAT GLR (PST-5E6)	8.7	6.7	96.3	70.0	8.7	6.3	94.7	61.7	94.7	97.0
K18-NSE	9.0	6.7	93.0	70.0	9.0	7.0	99.0	73.3	94.0	97.0
K18-RS6	9.0	8.7	99.0	93.3	9.0	6.7	97.7	75.0	94.3	97.0
KIZZLE (K18-ROE)	8.7	7.0	91.3	73.3	8.7	7.0	95.0	71.7	94.0	97.0
MONUMENT (PST-5SQB)	9.0	8.3	91.7	88.3	8.3	6.7	95.0	65.0	94.0	97.0
MOONDANCE GLX	8.3	8.0	94.7	88.3	8.7	6.7	94.7	63.3	93.7	97.0
BATTLE HAWK (NAI-ROS4)	9.0	8.0	97.7	75.0	9.0	6.7	97.7	75.0	94.3	97.0
OKEEFE (LTP-TF-122)	9.0	8.3	96.3	81.7	9.0	7.3	97.7	75.0	93.7	97.0
PPG-TF 231	9.0	8.3	99.0	86.7	9.0	7.3	97.7	80.0	93.3	97.0
PPG-TF 249	9.0	9.0	99.0	91.7	9.0	8.3	97.7	81.7	94.0	97.0
EXPANSE (PPG-TF 262)	9.0	8.0	97.7	81.7	9.0	6.7	97.7	66.7	94.0	97.0
SOUTHSIDE (PPG-TF 267)	9.0	8.0	99.0	88.3	9.0	7.7	99.0	85.0	93.3	97.0
PPG-TF 318	8.3	7.7	91.0	85.0	8.7	7.0	95.0	68.3	92.3	97.0
PPG-TF 337	8.7	7.3	96.0	83.3	9.0	7.0	99.0	73.3	94.3	97.0
PST-5DC24	8.7	7.3	96.0	83.3	8.7	6.3	93.3	65.0	92.7	97.0
PST-5DZM	9.0	6.7	97.7	78.3	9.0	6.0	95.0	66.7	92.7	97.0
PST-5MINK	9.0	7.7	96.3	75.0	8.3	6.3	93.3	60.0	93.7	97.0
PST-5TRN	9.0	7.7	96.3	83.3	9.0	7.0	94.7	71.7	94.7	97.0
RC4	9.0	6.7	99.0	81.7	9.0	6.3	96.3	66.7	93.7	97.0
RS1	9.0	8.3	96.3	83.3	9.0	6.0	97.7	65.0	94.0	97.0
SERENADE (PPG-TF 320)	9.0	7.3	96.3	88.3	9.0	6.7	95.0	71.7	93.7	97.0
SR 8700 (TMT1)	8.3	5.7	93.0	66.7	9.0	5.3	95.0	58.3	91.7	97.0

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	UNIFORMITY MAY 10		FULLNESS OF CANOPY MAY 10		UNIFORMITY JUNE 22		FULLNESS OF CANOPY JUNE 23		PERCENT GREEN COVER JUNE 20	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
STEALTH (PPG-TF 238)	9.0	7.7	99.0	80.0	9.0	6.7	96.3	66.7	93.7	97.0
SYMPHONY (PPG-TF 305)	8.7	7.7	96.3	83.3	9.0	5.7	93.3	65.0	94.0	97.0
TANK (PPG-TF 338)	9.0	8.3	99.0	88.3	9.0	8.0	99.0	76.7	93.0	97.0
TITAN MAX (TF456)	9.0	7.3	94.7	71.7	9.0	6.7	96.3	70.0	94.0	97.0
XANADU (JT 268)	9.0	7.7	97.7	78.3	9.0	7.0	96.3	63.3	93.0	97.0
ZION (BAR TF 134)	9.0	6.3	99.0	70.0	9.0	6.3	97.7	61.7	94.3	97.0
CLASH (AH1)	9.0	7.7	99.0	83.3	9.0	6.7	99.0	68.3	93.0	96.7
BAR 9FE MAS	7.3	5.3	78.3	56.7	7.3	3.7	90.0	41.7	93.3	96.7
BAR-FA8230	8.0	7.0	90.0	75.0	8.7	5.0	90.0	46.7	94.0	96.7
CAPITAN (DLFPS-321/3705)	8.3	6.7	90.0	76.7	9.0	6.0	93.3	66.7	93.3	96.7
COL-TF-148	9.0	7.7	97.7	78.3	9.0	7.0	96.3	68.3	93.0	96.7
DLFPS-321/3693	9.0	7.7	97.7	88.3	9.0	6.3	99.0	68.3	92.7	96.7
DLFPS-321/3708	9.0	6.7	94.7	81.7	9.0	6.7	96.3	65.0	93.3	96.7
DLFPS-TF/3553	8.7	7.0	96.3	80.0	9.0	6.7	97.7	66.7	93.7	96.7
DYNAMITE G-LS (PPG-TF 254)	8.7	6.0	91.3	68.3	8.7	5.3	95.0	50.0	94.3	96.7
ESSENTIAL 2 (DLFPS-TF/3552)	9.0	8.3	97.7	83.3	9.0	7.3	96.3	75.0	92.7	96.7
FIRECRACKER G-LS (PPG-TF 315)	9.0	7.3	94.3	78.3	8.7	7.0	97.7	81.7	94.3	96.7
FIRENZA II (PPG-TF 244)	9.0	7.7	94.7	85.0	8.7	6.3	96.3	68.3	93.7	96.7
GALACTIC (SESCR1)	8.3	6.7	94.7	70.0	9.0	6.0	97.7	65.0	94.3	96.7
PROVIDENCE (GO-RH20)	9.0	7.7	94.7	81.7	9.0	7.0	97.7	75.0	91.3	96.7
HEMI	8.7	8.3	97.7	85.0	8.7	7.0	93.3	73.3	92.7	96.7
HOUNDOG NINE (DLFPS-321/3702)	9.0	7.7	97.7	88.3	9.0	7.3	97.7	78.3	94.0	96.7
JT 233	9.0	8.3	99.0	91.7	9.0	7.7	97.7	75.0	92.3	96.7
JT 517	8.7	7.7	97.7	81.7	8.7	6.0	93.3	60.0	92.7	96.7
LIFEGUARD	8.7	7.7	91.7	80.0	9.0	7.0	95.0	71.7	94.0	96.7
NT-3	9.0	6.3	95.0	71.7	9.0	6.0	96.3	63.3	93.0	96.7
PADRE 2	9.0	8.3	95.0	85.0	9.0	7.3	95.0	75.0	95.0	96.7
PARAMOUNT	9.0	8.0	94.7	85.0	9.0	7.3	97.7	75.0	94.0	96.7
PST-5GQ	9.0	7.7	94.3	83.3	9.0	7.3	97.7	70.0	94.7	96.7
EXTRAVAGANZA (PST-5MCMO)	8.7	7.3	93.0	78.3	8.3	6.7	93.3	66.7	94.3	96.7
PST-5THM	8.7	8.0	88.3	83.3	9.0	6.3	95.0	65.0	94.0	96.7
RACEWAY (DLFPS-321/3696)	9.0	8.3	99.0	86.7	9.0	7.3	96.3	76.7	93.3	96.7
RAPTOR LS (PPG-TF 336)	8.0	7.3	88.3	75.0	9.0	7.0	95.0	73.3	92.3	96.7
RDC	9.0	7.7	94.7	83.3	9.0	6.7	95.0	70.0	93.7	96.7
FALCON SUPREME (RH1)	9.0	7.3	97.7	86.7	9.0	6.3	95.0	68.3	92.7	96.7
ROVER (PPG-TF 306)	9.0	8.3	97.7	91.7	9.0	7.7	97.7	76.7	92.7	96.7
ROWDIER (DLFPS-321/3699)	7.7	6.3	86.0	78.3	8.0	6.3	83.3	70.0	94.0	96.7
SE5STAR	9.0	7.7	93.0	75.0	9.0	7.3	93.3	65.0	95.3	96.7
SPYDER 2LS (ZRC1)	9.0	8.0	89.7	88.3	8.7	8.0	91.3	78.3	93.3	96.7
TD2	8.7	7.7	99.0	81.7	9.0	7.0	99.0	73.3	93.0	96.7
TEACHER (PPG-TF 313)	8.3	7.3	89.7	81.7	9.0	6.7	96.3	68.3	94.0	96.7
TITAN GLX (TF445)	9.0	8.3	96.3	88.3	9.0	7.0	97.7	76.7	93.0	96.7
AVENGER III (PPG-TF 308)	9.0	8.0	97.7	80.0	9.0	7.0	96.3	70.0	92.3	96.3
BENTLEY (DLFPS-321/3679)	8.7	8.3	99.0	78.3	9.0	6.3	93.3	68.3	93.0	96.3
BULLSEYE LTZ	9.0	8.3	99.0	88.3	9.0	8.0	97.7	78.3	92.7	96.3
COPIOUS TF	8.3	6.7	89.3	78.3	8.7	6.7	94.7	66.7	93.3	96.3
DLFPS-321/3695	8.7	6.3	94.3	70.0	9.0	6.3	97.7	63.3	92.7	96.3

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/									
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	MAY 10	MAY 10	MAY 10	MAY 10	JUNE 22	JUNE 22	JUNE 23	JUNE 23	JUNE 20	JUNE 20
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DLFPS-321/3703	9.0	7.7	99.0	78.3	8.7	6.7	99.0	68.3	94.3	96.3
ESCALADE	8.7	8.3	86.7	81.7	8.0	6.0	88.3	60.0	95.0	96.3
FAIRFIELD (SETF104)	9.0	6.3	96.0	71.7	8.7	7.0	94.7	71.7	93.7	96.3
FAYETTE	9.0	7.7	96.0	86.7	9.0	6.7	93.3	75.0	93.3	96.3
GRAND PRIX (FC15-01P)	8.7	7.7	93.0	78.3	8.3	6.7	90.0	66.7	95.0	96.3
K18-WB1	9.0	8.3	94.7	85.0	9.0	7.0	96.3	66.7	94.0	96.3
NAI-ST5	9.0	6.3	96.0	68.3	9.0	6.0	97.7	60.0	93.0	96.3
PALOMAR	8.0	7.3	85.0	75.0	8.3	6.0	86.7	65.0	94.3	96.3
PPG-TF 316	9.0	8.0	97.7	88.3	9.0	7.0	96.3	70.0	93.7	96.3
GLX REVIVE (PST-5GLBS)	8.3	6.7	89.7	75.0	8.7	5.7	93.3	56.7	94.3	96.3
RAPTOR III	9.0	7.7	96.3	81.7	9.0	8.0	97.7	78.3	93.3	96.3
RHF	8.7	6.0	93.3	68.3	9.0	5.7	96.3	58.3	93.3	96.3
RHL2	9.0	8.0	97.7	88.3	9.0	8.3	99.0	80.0	93.0	96.3
TALLADEGA II (NAI-3N2)	9.0	8.0	97.7	75.0	9.0	6.7	96.3	68.3	93.7	96.3
TANGO	8.0	6.7	86.7	70.0	8.7	6.3	95.0	70.0	93.7	96.3
TITANIUM G-LS (PPG-TF 255)	9.0	7.0	95.0	73.3	9.0	6.0	95.0	68.3	93.0	96.3
TOUGH (NAI-TUE)	9.0	6.3	96.3	71.7	8.3	6.0	93.3	65.0	93.3	96.3
TRIAD (PPG-TF 323)	9.0	8.3	96.0	78.3	9.0	7.3	96.3	71.7	93.0	96.3
AST8118LM	8.7	7.7	93.0	80.0	8.7	7.3	93.3	71.7	92.0	96.0
ATF1768	9.0	6.7	93.3	73.3	8.7	5.7	91.7	60.0	94.3	96.0
BAR FA 8228	8.0	7.0	88.3	75.0	8.3	5.0	86.7	50.0	94.7	96.0
BLADERUNNER 3 (DLFPS-321/3701)	9.0	6.7	93.0	68.3	9.0	5.7	96.3	61.7	94.3	96.0
BRAVO 2	8.7	7.3	93.3	78.3	9.0	7.0	93.3	71.7	94.0	96.0
LAFAYETTE (GO-AOMK)	9.0	7.7	93.0	73.3	9.0	7.0	95.0	75.0	93.3	96.0
GRANDE 3	9.0	7.3	92.7	81.7	9.0	7.0	93.3	66.7	92.3	96.0
GRO-PRO (SE53D2)	9.0	7.0	91.7	80.0	8.7	6.0	93.3	65.0	94.7	96.0
NAI-FQZ-17	8.3	6.3	86.3	70.0	8.7	6.3	93.3	61.7	93.0	96.0
RAD-TF105	9.0	6.7	96.3	68.3	8.7	6.7	96.0	68.3	92.7	96.0
SETFM2	8.7	8.0	91.7	75.0	8.7	6.7	95.0	70.0	92.7	96.0
3B2	9.0	8.0	95.0	83.3	9.0	7.0	95.0	70.0	93.7	95.7
DLFPS-321/3694	9.0	7.0	97.7	76.7	8.7	6.0	96.3	53.3	91.7	95.7
LBF	8.7	7.3	94.3	81.7	8.3	5.7	95.0	60.0	92.7	95.7
OG-WALK	8.3	6.7	88.3	68.3	8.0	5.3	86.7	58.3	94.3	95.7
RAD-TF115 (TURBO SS)	8.7	6.7	93.0	73.3	9.0	5.7	95.0	63.3	92.3	95.7
RAD-TF131	9.0	7.3	93.3	75.0	8.7	7.3	96.3	76.7	92.3	95.7
SETFM3	8.3	6.7	89.7	71.7	8.3	5.7	93.3	60.0	93.7	95.7
TOPSHELF (BGR-TF3)	8.7	6.7	96.3	86.7	8.3	6.7	95.0	71.7	93.0	95.7
GALLARDO (DLFPS-TF/3550)	9.0	8.3	99.0	90.0	9.0	7.7	94.7	75.0	93.7	95.3
NATURALLY GREEN	9.0	6.7	90.0	73.3	8.3	5.7	91.7	53.3	93.7	95.3
AST8218LM	8.3	7.0	91.7	81.7	8.3	5.7	93.3	58.3	93.0	95.0
LSD VALUE	0.8	3.1	9.8	32.3	0.7	2.0	4.7	19.7	1.7	1.5
C.V. (%)	5.5	15.7	5.9	14.6	4.9	15.2	3.3	14.9	1.0	0.7

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.

3/ GREEN COVER DETERMINED BY DIGITAL IMAGE ANALYSIS; AFTER 14 PASSES OF THE CTS (CADY TRAFFIC SIMULATOR) PASSES OF THE RWS (RUTGERS WEAR SIMULATOR).

TABLE 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	UNIFORMITY AUGUST 9		FULLNESS OF CANOPY AUGUST 10		PERCENT GREEN COVER AUGUST 4	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
SOUTHSIDE (PPG-TF 267)	9.0	7.7	99.0	83.3	95.0	96.7
ENDGAME (3N1)	9.0	6.7	97.7	66.7	95.7	96.3
FINELAWN SUPREME (RH3)	9.0	6.3	99.0	81.7	95.3	96.3
TITAN MAX (TF456)	8.7	6.0	95.0	66.7	95.0	96.3
PROVIDENCE (GO-RH20)	9.0	6.7	97.7	68.3	95.0	95.7
PRO GOLD	9.0	7.0	96.0	65.0	95.7	95.7
BULLSEYE LTZ	9.0	6.7	99.0	75.0	95.3	95.3
FAIRFIELD (SETF104)	8.7	6.7	95.0	61.7	95.3	95.3
JT 233	9.0	7.7	99.0	65.0	95.3	95.3
MOONDANCE GLX	8.3	5.7	90.0	56.7	95.3	95.0
AST8118LM	8.3	6.0	94.7	63.3	94.7	94.7
COPIOUS TF	8.3	5.0	93.3	56.7	93.3	94.7
PPG-TF 249	9.0	6.3	96.3	70.0	93.3	94.7
PPG-TF 316	9.0	5.7	96.0	65.0	93.0	94.7
RAPTOR III	8.7	6.7	96.0	68.3	93.7	94.7
ROVER (PPG-TF 306)	9.0	7.3	97.7	73.3	94.0	94.7
TITAN GLX (TF445)	8.7	6.0	97.7	65.0	93.7	94.7
JT 517	8.7	5.0	93.3	55.0	95.0	94.3
PALOMAR	8.0	5.3	94.7	56.7	95.7	94.3
PARAMOUNT	9.0	6.3	99.0	58.3	93.7	94.3
BULLSEYE	8.0	5.7	96.3	60.0	95.7	94.0
DAYBREAK (AH2)	9.0	5.7	99.0	63.3	96.3	94.0
DRAGSTER	8.7	5.3	94.3	46.7	96.0	94.0
FIRENZA II (PPG-TF 244)	9.0	5.7	97.7	63.3	95.7	94.0
BATTLE HAWK (NAI-ROS4)	9.0	6.3	97.7	61.7	94.7	94.0
PST-5GQ	8.3	5.7	94.3	66.7	93.3	94.0
PST-5THM	8.7	5.7	94.7	63.3	95.3	94.0
RDC	9.0	6.0	97.7	63.3	94.7	94.0
SYMPHONY (PPG-TF 305)	8.7	5.0	94.7	55.0	95.0	94.0
BRAVO 2	8.7	4.7	95.0	56.7	94.7	93.7
STEALTH (PPG-TF 238)	9.0	6.0	97.7	55.0	94.0	93.7
BANDIT	8.0	5.0	93.3	50.0	94.7	93.3
GLX ACED (PST-5DART)	9.0	6.3	97.7	71.7	95.7	93.3
K18-RS6	9.0	6.7	96.3	66.7	93.0	93.3
K18-WB1	9.0	6.0	94.7	61.7	94.3	93.3
PPG-TF 337	9.0	6.0	97.7	65.0	93.7	93.3
PST-5DC24	8.7	4.7	93.3	61.7	94.3	93.3
RAD-TF131	8.3	5.3	86.7	60.0	92.0	93.3
SETFM2	8.3	5.7	94.7	66.7	94.3	93.3
FIREHAWK SLT	9.0	6.3	96.3	51.7	93.7	93.0
ORIOLE (PST-5BYOB)	8.7	5.0	94.7	51.7	95.7	93.0
FALCON SUPREME (RH1)	9.0	5.7	94.7	70.0	94.3	93.0
BIRMINGHAM	8.3	5.7	95.0	53.3	95.7	92.7
FAYETTE	9.0	6.0	97.7	61.7	92.3	92.7
LIFEGUARD	8.7	5.7	94.7	50.0	94.7	92.7

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	UNIFORMITY AUGUST 9		FULLNESS OF CANOPY AUGUST 10		PERCENT GREEN COVER AUGUST 4	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
VALSETZ (PPG-TF 257)	9.0	5.3	97.7	55.0	93.0	92.7
SERENADE (PPG-TF 320)	9.0	5.3	99.0	56.7	95.7	92.7
DLFPS-321/3707	8.7	6.0	94.3	60.0	93.3	92.3
HELLCAT GLR (PST-5E6)	8.7	5.3	94.7	56.7	92.7	92.3
HEMI	8.7	6.0	87.7	60.0	90.0	92.3
TOPSHELF (BGR-TF3)	8.0	6.3	96.3	63.3	93.7	92.3
A-TF31	8.3	6.0	94.7	56.7	92.7	92.0
DLFPS-321/3706	8.7	4.0	91.3	48.3	92.3	92.0
RAPTOR LS (PPG-TF 336)	9.0	6.0	93.0	58.3	92.7	92.0
RHF	9.0	4.7	99.0	45.0	96.0	92.0
3B2	9.0	5.7	93.3	60.0	95.0	91.7
DLFPS-321/3708	8.3	5.3	91.0	61.7	89.7	91.7
PST-5TRN	8.3	5.7	91.7	58.3	93.7	91.7
TALLADEGA II (NAI-3N2)	9.0	5.7	97.7	46.7	92.3	91.7
NATURALLY GREEN	8.3	4.7	94.7	53.3	95.3	91.3
ROWDIER (DLFPS-321/3699)	8.3	5.0	89.7	53.3	93.7	91.3
SETFM3	8.3	5.3	93.0	53.3	94.0	91.3
TANGO	8.7	5.3	94.7	60.0	95.0	91.0
TANK (PPG-TF 338)	9.0	6.3	91.0	66.7	93.3	91.0
XANADU (JT 268)	9.0	5.0	99.0	51.7	95.0	91.0
GALACTIC (SESCR1)	8.7	4.3	91.0	43.3	91.7	90.7
GALLARDO (DLFPS-TF/3550)	9.0	6.3	96.3	66.7	94.0	90.7
GRAND PRIX (FC15-01P)	8.3	5.0	96.3	55.0	94.7	90.7
GLX REVIVE (PST-5GLBS)	8.0	4.7	93.3	56.7	95.7	90.7
TITANIUM G-LS (PPG-TF 255)	9.0	5.7	97.7	61.7	94.7	90.7
KIZZLE (K18-ROE)	8.7	5.3	90.0	53.3	93.7	90.3
EXPANSE (PPG-TF 262)	9.0	5.3	99.0	55.0	94.7	90.3
PPG-TF 318	8.7	6.0	94.7	65.0	94.7	90.3
EXTRAVAGANZA (PST-5MCMO)	8.0	5.0	88.3	58.3	92.3	90.3
COL-TF-148	9.0	5.0	93.3	51.7	89.0	90.0
DLFPS-321/3703	8.7	5.3	94.7	55.0	88.0	90.0
ESTRENA	9.0	6.3	97.7	61.7	95.7	90.0
LAFAYETTE (GO-AOMK)	8.7	5.7	92.7	55.0	93.3	90.0
OG-WALK	8.0	4.7	91.7	46.7	93.0	90.0
PST-5MINK	8.7	5.3	91.7	46.7	93.7	90.0
RAD-TF115 (TURBO SS)	8.3	4.7	86.7	41.7	92.3	90.0
ESCALADE	7.7	5.3	88.3	56.7	93.3	89.7
RHL2	8.7	6.0	91.0	65.0	91.7	89.7
SPYDER 2LS (ZRC1)	9.0	6.3	97.7	71.7	95.3	89.7
DEGAS (LTP-TF-111)	8.7	5.3	94.7	58.3	94.0	89.0
GRANDE 3	9.0	5.7	96.3	56.7	94.7	89.0
SE5STAR	8.0	5.0	91.3	43.3	93.3	89.0
TOUGH (NAI-TUE)	9.0	5.0	94.7	51.7	93.0	89.0
5LSS	8.7	5.7	93.0	55.0	93.7	88.7
FIRECRACKER G-LS (PPG-TF 315)	8.3	6.0	91.3	60.0	92.7	88.7
ATF1768	8.0	4.7	89.7	48.3	95.0	88.3
CAPITAN (DLFPS-321/3705)	8.7	4.3	89.7	50.0	92.7	88.3

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	UNIFORMITY AUGUST 9		FULLNESS OF CANOPY AUGUST 10		PERCENT GREEN COVER AUGUST 4	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
GRO-PRO (SE53D2)	8.3	5.7	94.7	55.0	94.3	88.3
MONUMENT (PST-5SQB)	8.7	6.0	93.3	58.3	94.3	88.3
OKEEFE (LTP-TF-122)	9.0	5.3	89.7	56.7	90.0	88.3
TD2	8.7	5.3	93.0	63.3	90.3	88.3
BLADERUNNER 3 (DLFPS-321/3701)	9.0	5.0	96.3	40.0	95.0	88.0
ESSENTIAL 2 (DLFPS-TF/3552)	9.0	5.3	91.3	60.0	92.3	88.0
BAR-FA8230	8.3	4.0	91.7	46.7	94.7	87.7
HOUNDOG NINE (DLFPS-321/3702)	8.7	5.7	84.7	58.3	89.3	87.7
NAI-FQZ-17	8.3	4.7	94.7	53.3	94.0	87.7
PPG-TF 231	9.0	6.3	99.0	63.3	91.0	87.7
PST-5DZM	8.7	5.7	93.3	51.7	92.7	87.7
RACEWAY (DLFPS-321/3696)	9.0	6.0	91.3	58.3	89.0	87.7
TEACHER (PPG-TF 313)	9.0	5.3	96.3	51.7	94.3	87.7
DLFPS-321/3693	9.0	5.3	97.7	53.3	94.3	87.3
TRIAD (PPG-TF 323)	8.7	5.3	91.0	58.3	91.7	87.0
AVENGER III (PPG-TF 308)	8.7	5.7	89.7	55.0	92.3	86.7
BAR 9FE MAS	8.0	2.7	86.7	30.0	95.0	86.3
PPG-TF 312	8.7	6.0	88.3	55.0	93.7	86.3
DLFPS-TF/3553	9.0	5.7	94.7	55.0	92.3	86.0
LBF	8.3	4.7	91.7	43.3	93.3	86.0
PADRE 2	8.7	5.0	92.7	53.3	94.3	86.0
CLASH (AH1)	8.3	5.3	89.7	50.0	81.3	85.7
BAR FA 8228	8.0	3.3	88.3	41.7	95.3	85.3
KENTUCKY-31	5.0	1.0	36.7	13.3	95.0	85.3
RAD-TF105	9.0	5.0	91.7	51.7	92.3	85.0
DYNAMITE G-LS (PPG-TF 254)	9.0	3.7	97.7	38.3	94.0	84.7
NAI-ST5	9.0	4.0	93.3	38.3	90.3	84.3
RC4	8.7	5.0	96.0	48.3	72.3	84.3
RS1	8.7	5.7	89.7	55.0	88.7	82.3
DLFPS-321/3694	9.0	5.0	96.3	45.0	94.0	80.3
BENTLEY (DLFPS-321/3679)	8.7	4.7	91.3	50.0	89.7	80.0
BONFIRE (JS DTT)	8.7	5.3	93.0	53.3	93.3	79.0
NT-3	8.7	4.3	88.0	48.3	91.7	77.7
AST8218LM	8.3	3.7	91.7	40.0	94.0	77.0
ATF2116	8.0	3.7	91.7	41.7	93.3	77.0
K18-NSE	8.7	5.0	84.7	41.7	93.0	76.0
FASTLANE (BY-TF-169)	8.0	3.7	81.7	41.7	91.3	74.7
SR 8700 (TMT1)	8.3	4.0	91.7	43.3	91.3	74.3
ZION (BAR TF 134)	8.7	3.3	81.3	33.3	91.7	73.0
DLFPS-321/3695	8.7	4.3	89.7	41.7	91.7	70.3
LSD VALUE	0.7	3.8	10.3	40.0	22.9	33.3
C.V. (%)	5.0	25.3	6.5	26.0	5.2	9.4

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ AFTER 28 PASSES OF THE CADY TRAFFIC SIMULATOR (CTS) AND 28 PASSES OF THE RUTGERS WEAR SIMULATOR (RWS).

TABLE 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT ANNUAL BLUEGRASS COVER NOVEMBER 1		UNIFORMITY SEPTEMBER 29		FULLNESS OF CANOPY SEPTEMBER 30		PERCENT GREEN COVER SEPTEMBER 27	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
TALLADEGA II (NAI-3N2)	13.3	53.3	8.7	4.3	93.3	43.3	90.0	96.7
TITAN MAX (TF456)	11.7	36.7	8.7	6.3	91.3	61.7	90.3	96.7
ENDGAME (3N1)	5.0	31.7	9.0	6.0	99.0	66.7	91.3	96.3
JT 517	10.0	51.7	9.0	4.3	91.3	53.3	91.3	96.3
MOONDANCE GLX	6.7	45.0	9.0	5.0	90.0	51.7	93.0	96.3
PRO GOLD	5.0	36.7	9.0	5.3	94.7	60.0	93.7	96.3
PST-5THM	5.0	36.7	9.0	7.0	91.7	65.0	93.0	96.3
RAPTOR III	16.7	35.0	8.7	6.3	86.0	55.0	89.3	96.3
DAYBREAK (AH2)	5.0	43.3	9.0	4.0	96.3	46.7	92.7	96.0
FAIRFIELD (SETF104)	8.3	31.7	9.0	6.0	99.0	65.0	92.0	96.0
RDC	11.7	33.3	9.0	5.0	96.0	53.3	91.7	96.0
TITAN GLX (TF445)	11.7	33.3	8.7	6.0	91.3	55.0	91.7	96.0
BULLSEYE LTZ	5.0	31.7	9.0	6.3	97.7	60.0	90.7	95.7
DRAGSTER	15.0	61.7	8.7	2.7	88.3	35.0	92.0	95.7
FINELAWN SUPREME (RH3)	1.7	30.0	9.0	6.7	96.3	68.3	91.7	95.7
FIRENZA II (PPG-TF 244)	5.0	33.3	9.0	6.0	97.7	65.0	90.0	95.7
K18-RS6	8.3	30.0	8.3	5.3	88.0	65.0	85.0	95.7
PALOMAR	18.3	36.7	9.0	5.3	90.0	50.0	92.7	95.7
SETFM3	11.7	38.3	8.7	5.0	94.7	50.0	90.0	95.7
STEALTH (PPG-TF 238)	3.3	33.3	8.0	5.3	85.0	53.3	88.7	95.7
BULLSEYE	13.3	28.3	8.7	5.7	93.3	53.3	91.3	95.3
PROVIDENCE (GO-RH20)	1.7	36.7	9.0	5.3	97.7	56.7	88.3	95.3
HELLCAT GLR (PST-5E6)	3.3	41.7	9.0	5.0	93.0	51.7	92.3	95.3
JT 233	6.7	35.0	9.0	6.0	93.3	65.0	90.0	95.3
NATURALLY GREEN	10.0	36.7	9.0	5.0	93.0	48.3	91.0	95.3
ORIOLE (PST-5BYOB)	11.7	43.3	9.0	4.7	96.3	53.3	91.7	95.3
PARAMOUNT	6.7	43.3	8.3	5.0	88.0	55.0	91.3	95.3
PPG-TF 249	1.7	31.7	8.7	5.3	88.3	61.7	90.3	95.3
SOUTHSIDE (PPG-TF 267)	5.0	28.3	9.0	7.0	96.0	70.0	90.0	95.3
PPG-TF 337	8.3	40.0	8.3	5.0	90.0	53.3	91.7	95.3
PST-5DC24	5.0	45.0	9.0	5.7	94.7	51.7	91.0	95.3
SE5STAR	11.7	45.0	8.7	3.7	91.3	45.0	93.0	95.3
SETFM2	10.0	38.3	9.0	5.3	91.7	58.3	90.7	95.3
BANDIT	13.3	50.0	9.0	4.7	91.7	50.0	92.0	95.0
BRAVO 2	8.3	38.3	9.0	5.7	93.0	60.0	91.3	95.0
DLFPS-321/3703	1.7	33.3	8.7	4.3	89.7	58.3	89.7	95.0
GALACTIC (SESCR1)	10.0	53.3	8.7	3.7	91.0	43.3	89.3	95.0
GRAND PRIX (FC15-01P)	13.3	36.7	9.0	4.3	88.3	50.0	92.7	95.0
PST-5GQ	3.3	28.3	9.0	5.7	90.0	60.0	91.7	95.0
RHF	6.7	51.7	9.0	4.3	99.0	41.7	92.0	95.0
TOPSHELF (BGR-TF3)	5.0	30.0	9.0	6.0	90.0	60.0	90.0	95.0
AST8118LM	6.7	33.3	9.0	5.7	93.3	60.0	91.0	94.7
COL-TF-148	6.7	35.0	8.7	4.0	91.3	46.7	90.3	94.7
VALSETZ (PPG-TF 257)	6.7	41.7	8.0	4.3	80.0	56.7	89.0	94.7
RAD-TF131	10.0	35.0	8.3	5.0	91.7	51.7	87.7	94.7

TABLE 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT ANNUAL BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 1		SEPTEMBER 29		SEPTEMBER 30		SEPTEMBER 27	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
SERENADE (PPG-TF 320)	5.0	36.7	9.0	4.3	97.7	46.7	91.3	94.7
SYMPHONY (PPG-TF 305)	13.3	58.3	8.0	3.7	85.0	40.0	89.0	94.7
A-TF31	13.3	38.3	8.3	4.7	86.3	58.3	90.3	94.3
BIRMINGHAM	6.7	36.7	9.0	4.7	91.7	51.7	91.7	94.3
K18-WB1	11.7	26.7	8.0	4.7	80.0	53.3	90.0	94.3
BATTLE HAWK (NAI-ROS4)	5.0	51.7	8.7	4.7	97.7	50.0	91.3	94.3
OG-WALK	15.0	48.3	9.0	4.3	90.0	45.0	92.0	94.3
GLX REVIVE (PST-5GLBS)	10.0	46.7	9.0	3.3	91.7	38.3	92.3	94.3
EXTRAVAGANZA (PST-5MCMO)	6.7	33.3	8.7	4.3	88.3	48.3	91.7	94.3
PST-5TRN	1.7	30.0	8.7	5.7	93.0	63.3	92.7	94.3
COPIOUS TF	20.0	43.3	8.7	5.3	86.3	51.7	90.3	94.0
KIZZLE (K18-ROE)	10.0	38.3	8.3	4.7	84.7	45.0	91.0	94.0
PPG-TF 318	11.7	41.7	8.3	4.3	86.7	51.7	91.0	94.0
CLASH (AHL)	5.0	43.3	9.0	3.7	96.0	40.0	87.3	93.7
BAR-FA8230	11.7	38.3	8.3	4.0	85.0	41.7	92.0	93.7
CAPITAN (DLFPS-321/3705)	3.3	31.7	8.3	3.7	85.0	41.7	89.3	93.7
ESCALADE	13.3	31.7	8.7	4.7	85.0	48.3	92.7	93.7
FIREHAWK SLT	11.7	55.0	8.7	3.7	88.0	38.3	89.3	93.7
PST-5DZM	5.0	41.7	8.7	4.0	86.7	48.3	90.7	93.7
RAPTOR LS (PPG-TF 336)	6.7	33.3	8.3	5.3	89.7	55.0	91.0	93.7
TANGO	18.3	51.7	8.7	3.7	91.7	45.0	92.3	93.7
XANADU (JT 268)	6.7	40.0	9.0	4.7	96.0	50.0	88.7	93.7
5LSS	18.3	35.0	8.7	4.7	89.7	50.0	90.7	93.3
BLADERUNNER 3 (DLFPS-321/3701)	11.7	33.3	8.7	3.7	91.3	38.3	89.0	93.3
DLFPS-321/3707	6.7	36.7	8.3	3.7	83.0	50.0	89.0	93.3
DLFPS-321/3708	5.0	38.3	8.3	4.3	83.0	53.3	89.3	93.3
GRANDE 3	6.7	38.3	8.7	3.7	91.7	45.0	90.7	93.3
ATF1768	8.3	28.3	9.0	4.7	88.3	40.0	91.3	93.0
DEGAS (LTP-TF-111)	3.3	53.3	8.3	4.0	85.0	41.7	90.7	93.0
FIRECRACKER G-LS (PPG-TF 315)	11.7	31.7	8.3	4.7	83.3	55.0	88.7	93.0
GRO-PRO (SE53D2)	13.3	43.3	8.7	5.0	91.3	50.0	92.7	93.0
HEMI	3.3	35.0	8.0	5.0	82.7	50.0	90.0	93.0
ROVER (PPG-TF 306)	1.7	35.0	8.7	5.7	90.0	56.7	90.7	93.0
DLFPS-321/3706	5.0	48.3	8.7	2.7	91.3	35.0	90.3	92.7
FAYETTE	3.3	31.7	8.7	4.7	93.3	55.0	91.7	92.7
BAR FA 8228	5.0	38.3	9.0	4.0	88.3	38.3	93.3	92.3
NAI-FQZ-17	21.7	53.3	8.7	3.7	90.0	41.7	91.0	92.3
RC4	16.7	50.0	8.3	4.3	91.7	46.7	89.3	92.3
3B2	8.3	28.3	8.3	5.0	88.0	51.7	91.3	92.0
ESSENTIAL 2 (DLFPS-TF/3552)	11.7	23.3	8.0	5.7	78.0	55.0	86.7	92.0
KENTUCKY-31	43.3	83.3	5.3	1.0	38.3	13.3	95.0	92.0
MONUMENT (PST-5SQB)	1.7	30.0	9.0	4.3	90.0	50.0	93.0	92.0
PPG-TF 316	5.0	50.0	8.0	4.0	81.7	45.0	84.3	92.0
RAD-TF115 (TURBO SS)	6.7	46.7	8.0	3.3	88.3	35.0	88.0	92.0
DLFPS-TF/3553	10.0	41.7	8.3	4.3	88.3	45.0	89.0	91.7
LAFAYETTE (GO-AOMK)	13.3	45.0	8.7	4.0	94.3	43.3	89.3	91.7

TABLE 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/							
	% BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 1		SEPTEMBER 29		SEPTEMBER 30		SEPTEMBER 27	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
NAI-ST5	11.7	50.0	9.0	2.3	94.7	33.3	89.3	91.7
PADRE 2	6.7	30.0	8.7	4.7	91.3	48.3	90.0	91.7
EXPANSE (PPG-TF 262)	6.7	41.7	9.0	4.3	93.3	45.0	89.7	91.7
FALCON SUPREME (RH1)	3.3	33.3	8.7	4.7	86.7	51.7	89.0	91.7
LIFEGUARD	5.0	28.3	9.0	4.7	96.0	46.7	92.7	91.3
RHL2	3.3	36.7	7.7	3.7	79.7	41.7	88.7	91.3
SPYDER 2LS (ZRC1)	3.3	28.3	9.0	5.7	94.7	56.7	90.3	91.3
GALLARDO (DLFPS-TF/3550)	3.3	28.3	9.0	5.0	96.3	51.7	89.3	91.0
LBF	8.3	40.0	8.3	4.0	88.3	41.7	90.7	91.0
TEACHER (PPG-TF 313)	8.3	36.7	7.7	4.3	82.7	43.3	88.0	91.0
TOUGH (NAI-TUE)	13.3	61.7	8.7	3.3	89.7	30.0	90.0	91.0
OKEEFE (LTP-TF-122)	10.0	33.3	8.7	5.0	86.3	51.7	91.3	90.3
TITANIUM G-LS (PPG-TF 255)	6.7	36.7	8.3	4.0	83.3	41.7	90.0	90.3
TRIAD (PPG-TF 323)	3.3	40.0	8.7	4.0	84.3	50.0	88.7	90.3
BENTLEY (DLFPS-321/3679)	10.0	40.0	8.7	3.7	88.0	43.3	89.3	90.0
ROWDIER (DLFPS-321/3699)	26.7	51.7	8.3	4.0	83.0	38.3	90.3	90.0
DYNAMITE G-LS (PPG-TF 254)	15.0	41.7	8.3	3.7	89.7	40.0	92.3	89.7
RACEWAY (DLFPS-321/3696)	8.3	35.0	8.0	4.7	81.3	46.7	90.3	89.3
ESTRENA	3.3	36.7	8.3	4.3	92.7	51.7	88.3	89.0
AVENGER III (PPG-TF 308)	5.0	40.0	7.7	4.0	81.3	45.0	89.3	88.7
PPG-TF 231	8.3	28.3	8.0	5.3	83.3	58.3	89.7	88.3
RS1	6.7	45.0	7.7	3.0	71.3	36.7	89.3	88.0
BAR 9FE MAS	16.7	66.7	8.0	1.7	78.3	21.7	92.7	87.7
HOUNDG NINE (DLFPS-321/3702)	3.3	28.3	7.7	4.3	76.3	50.0	87.3	87.7
PPG-TF 312	15.0	48.3	6.3	3.3	58.3	36.7	84.0	87.7
TANK (PPG-TF 338)	3.3	33.3	8.3	5.3	86.0	51.7	89.3	87.3
AST8218LM	15.0	35.0	8.3	3.7	86.7	38.3	90.7	86.3
PST-5MINK	13.3	55.0	9.0	3.3	94.7	38.3	93.3	86.3
TD2	3.3	28.3	7.7	5.3	78.0	50.0	87.3	86.3
NT-3	3.3	31.7	8.7	3.7	86.3	36.7	90.0	85.7
BONFIRE (JS DTT)	6.7	43.3	8.7	4.0	88.0	41.7	90.7	84.3
ATF2116	13.3	46.7	8.3	3.3	81.7	33.3	91.3	84.0
DLFPS-321/3693	5.0	46.7	8.7	3.7	88.0	40.0	89.7	84.0
DLFPS-321/3694	10.0	53.3	8.7	2.7	86.3	28.3	91.0	84.0
ZION (BAR TF 134)	6.7	56.7	8.0	2.7	79.7	26.7	88.0	82.3
RAD-TF105	11.7	38.3	8.7	4.0	91.7	41.7	90.3	82.0
FASTLANE (BY-TF-169)	13.3	38.3	7.3	2.7	75.0	30.0	89.0	80.7
SR 8700 (TMT1)	11.7	40.0	8.0	3.0	79.7	35.0	90.0	80.3
DLFPS-321/3695	5.0	38.3	6.7	3.0	71.3	35.0	85.3	78.3
GLX ACED (PST-5DART)	1.7	28.3	8.7	5.3	88.0	61.7	92.7	77.0
K18-NSE	13.3	38.3	7.0	3.0	74.7	30.0	88.3	74.7
LSD VALUE	24.7	29.0	1.3	6.0	22.1	37.5	5.1	40.0
C.V. (%)	95.7	31.7	7.7	37.1	11.4	29.6	2.6	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.
3/ AFTER 42 PASSES OF THE CADY TRAFFIC SIMULATOR (CTS) AND 42 PASSES OF THE RUTGERS WEAR SIMULATOR (RWS).

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2022 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	
RACEWAY (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
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
ROVER (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
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
HELLCAT GLR (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
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
EXTRAVAGANZA (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
FINELAWN SUPREME (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
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
VALSETZ (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
ROWDIER (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
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
ORIOLE (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
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-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
BLADERUNNER 3 (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
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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2022 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	
CAPITAN (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
BATTLE HAWK (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
FALCON SUPREME (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
FASTLANE (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
PROVIDENCE (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
GLX REVIVE (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-321/3707	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
HOUNDOG NINE (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
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
SR 8700 (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
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
BENTLEY (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
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
ENDGAME (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
ESSENTIAL 2 (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
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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2022 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		
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	
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	
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	
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	
LAFAYETTE (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	
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	
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	
GALLARDO (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	
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	
TOPSHELF (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	
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	
CLASH (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	
SOUTHSIDE (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	
EXPANSE (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	
LSL 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 STRESS AT AMES, IA 1/
2022 DATA

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

NAME	COLOR			PERCENT GROUND COVER FROM APRIL-NOVEMBER					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RACEWAY (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
RAD-TF115 (TURBO SS)	8.0	8.0	8.0	75.3	86.3	87.3	92.3	84.0	61.3
ROVER (PPG-TF 306)	7.3	8.3	8.0	70.7	84.7	78.3	81.0	78.0	58.7
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
HELLCAT GLR (PST-5E6)	7.7	8.0	8.0	64.3	77.0	76.3	77.0	75.7	71.7
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
EXTRAVAGANZA (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
FINELAWN SUPREME (RH3)	7.7	8.0	8.3	66.3	86.3	91.3	94.3	88.0	70.7
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
VALSETZ (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
ROWDIER (DLFPS-321/3699)	8.0	8.3	8.0	71.0	84.3	59.3	60.7	66.7	58.3
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
ORIOLE (PST-5BYOB)	7.7	8.0	8.3	67.0	89.0	86.7	86.3	76.0	68.7
PRO GOLD	7.3	7.3	8.0	79.0	76.3	67.7	70.3	72.7	69.7
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
BLADERUNNER 3 (DLFPS-321/3701)	7.3	8.0	7.7	64.3	77.3	79.7	76.0	76.0	62.7
BONFIRE (JS DTT)	6.7	8.0	8.0	41.0	77.7	75.3	80.3	72.7	62.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT GROUND COVER		FROM APRIL-NOVEMBER			
				APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
CAPITAN (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
BATTLE HAWK (NAI-ROS4)	8.0	8.0	8.0	52.3	82.0	74.0	74.7	70.7	59.7
FALCON SUPREME (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
FASTLANE (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
PROVIDENCE (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
GLX REVIVE (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-321/3707	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
HOUNDOG NINE (DLFPS-321/3702)	7.3	7.7	8.0	49.7	61.7	48.0	57.7	54.7	40.0
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
SR 8700 (TMT1)	7.3	8.0	8.0	41.3	51.7	44.3	53.0	56.7	48.7
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
BENTLEY (DLFPS-321/3679)	7.3	7.3	8.0	59.3	51.0	43.7	45.0	54.7	39.7
BULLSEYE	6.3	6.7	7.0	66.3	66.0	54.7	59.0	62.7	58.3
ENDGAME (3N1)	6.7	7.7	8.0	32.0	55.0	51.0	51.3	46.3	45.7
ESSENTIAL 2 (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
RAPTOR LS (PPG-TF 336)	6.3	6.0	6.3	65.3	66.0	55.0	63.3	64.7	61.3

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2022 DATA

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

NAME	COLOR	COLOR	COLOR	PERCENT GROUND COVER FROM APRIL-NOVEMBER		JULY	AUGUST	OCTOBER	NOVEMBER
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY				
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
ATF1768	6.3	7.0	7.7	34.7	30.7	35.7	45.3	40.3	27.3
DAYBREAK (AH2)	7.0	6.7	7.0	39.3	58.3	56.0	57.0	51.7	48.3
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
LAFAYETTE (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
DLFPS-321/3708	7.7	7.0	7.0	13.3	40.3	33.7	30.0	28.3	24.0
ESTRENA	6.0	7.7	7.7	41.0	50.7	40.0	40.7	48.3	40.7
GALLARDO (DLFPS-TF/3550)	6.7	7.7	7.7	30.0	46.0	32.0	39.3	30.0	25.3
RS1	6.7	6.3	7.7	50.7	53.3	31.0	41.3	38.7	38.0
TOPSHELF (BGR-TF3)	7.0	7.7	7.3	37.3	45.3	41.3	44.3	44.0	34.7
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
CLASH (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
SOUTHSIDE (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
EXPANSE (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/
2022 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS					MEAN
		SUMMER	MAY	JUN	JUL	AUG	SEP	OCT		
RAPTOR LS (PPG-TF 336)	4.3	76.7	7.3	7.0	6.0	8.0	8.0	7.0	7.2	
ROVER (PPG-TF 306)	4.3	66.7	7.0	7.0	6.7	7.3	8.0	7.0	7.2	
STEALTH (PPG-TF 238)	4.7	70.0	7.0	7.0	6.3	7.3	8.3	7.0	7.2	
AVENGER III (PPG-TF 308)	4.7	70.0	7.0	7.0	6.0	7.7	8.0	6.7	7.1	
BONFIRE (JS DTT)	4.7	70.0	7.3	7.0	6.3	7.7	7.7	6.3	7.1	
CAPITAN (DLFPS-321/3705)	4.3	66.7	6.7	7.3	6.3	7.0	8.0	7.3	7.1	
ESTRENA	5.3	63.3	7.3	7.3	6.0	7.0	8.0	6.7	7.1	
FIREHAWK SLT	4.3	66.7	6.7	7.0	6.0	7.3	8.3	7.0	7.1	
PROVIDENCE (GO-RH20)	4.7	66.7	6.7	7.3	6.0	7.7	8.0	6.7	7.1	
K18-NSE	5.3	63.3	7.0	7.0	6.0	7.7	7.3	7.3	7.1	
K18-RS6	5.3	70.0	7.3	7.0	6.0	7.3	8.0	7.0	7.1	
BATTLE HAWK (NAI-ROS4)	5.3	66.7	7.0	7.0	6.0	7.3	8.0	7.0	7.1	
PPG-TF 231	5.3	70.0	7.0	7.0	6.3	7.3	8.0	6.7	7.1	
PPG-TF 249	5.0	73.3	6.7	7.0	6.7	7.3	8.0	7.0	7.1	
VALSETZ (PPG-TF 257)	4.0	73.3	6.7	7.0	6.7	7.3	7.7	7.0	7.1	
PPG-TF 312	5.0	60.0	7.0	7.0	5.7	7.0	8.3	7.3	7.1	
PPG-TF 316	4.3	73.3	6.7	7.0	6.3	7.7	7.7	7.0	7.1	
PPG-TF 318	5.0	70.0	6.7	7.0	6.3	7.3	8.0	7.0	7.1	
PPG-TF 337	4.3	66.7	6.7	7.3	6.3	7.3	8.0	7.0	7.1	
RHL2	5.3	63.3	6.7	7.3	6.0	7.7	8.3	6.7	7.1	
SERENADE (PPG-TF 320)	4.7	73.3	6.7	7.0	6.3	7.7	7.7	7.0	7.1	
SPYDER 2LS (ZRC1)	4.3	76.7	6.3	7.0	6.7	7.7	8.0	6.7	7.1	
SYMPHONY (PPG-TF 305)	4.3	73.3	6.7	7.0	6.3	7.3	8.0	7.0	7.1	
TITAN GLX (TF445)	5.3	60.0	7.0	7.3	6.0	7.0	7.7	7.3	7.1	
SOUTHSIDE (PPG-TF 267)	5.0	70.0	7.0	7.0	6.0	7.3	7.7	7.0	7.0	
TALLADEGA II (NAI-3N2)	5.7	66.7	6.7	7.0	6.0	7.7	8.0	6.7	7.0	
TEACHER (PPG-TF 313)	5.0	66.7	7.0	7.0	5.3	7.3	8.3	7.0	7.0	
TRIAD (PPG-TF 323)	4.7	70.0	6.7	7.0	5.7	7.7	8.0	7.0	7.0	
ZION (BAR TF 134)	4.7	66.7	6.7	6.7	6.3	7.3	8.0	7.0	7.0	
5LSS	5.3	60.0	7.7	7.0	5.0	7.7	7.3	6.7	6.9	
CLASH (AH1)	5.3	60.0	6.7	7.7	5.7	7.3	7.7	6.7	6.9	
BULLSEYE LTZ	4.3	63.3	7.0	7.3	5.7	7.0	8.0	6.7	6.9	
DAYBREAK (AH2)	5.0	70.0	6.7	7.0	6.0	7.7	7.3	6.7	6.9	
DEGAS (LTP-TF-111)	5.3	66.7	6.7	7.0	5.7	7.3	7.7	7.0	6.9	
DLFPS-321/3706	5.0	63.3	7.0	7.0	6.0	7.0	7.7	6.7	6.9	
DLFPS-321/3708	5.3	66.7	7.0	7.3	6.0	7.0	7.3	7.0	6.9	
DRAGSTER	5.3	66.7	7.0	7.0	6.0	7.0	7.7	7.0	6.9	
DYNAMITE G-LS (PPG-TF 254)	5.0	70.0	6.7	7.0	5.7	7.7	8.0	6.7	6.9	
FAIRFIELD (SETF104)	5.0	70.0	6.7	7.3	6.0	6.7	7.7	7.0	6.9	
FINELAWN SUPREME (RH3)	5.0	66.7	7.0	6.7	5.7	7.3	7.7	7.0	6.9	
FASTLANE (BY-TF-169)	5.3	60.0	7.0	7.0	6.0	7.0	7.3	7.0	6.9	
FIRECRACKER G-LS (PPG-TF 315)	4.7	63.3	6.7	7.0	6.0	7.0	8.0	7.0	6.9	
GALACTIC (SESCR1)	5.3	70.0	6.7	7.3	5.3	7.3	7.7	7.3	6.9	
GRANDE 3	4.3	70.0	7.0	7.0	6.0	7.3	7.7	6.7	6.9	
K18-WB1	4.7	66.7	6.7	7.0	6.0	7.0	8.0	7.0	6.9	

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2022 DATA

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

NAME	SPRING	PERCENT GROUND			QUALITY RATINGS					MEAN
	GREENUP	COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
KIZZLE (K18-ROE)	4.7	63.3	7.0	7.0	7.0	6.0	7.0	7.3	7.0	6.9
NAI-ST5	5.7	70.0	7.3	6.3	6.3	6.3	7.3	7.7	6.7	6.9
EXPANSE (PPG-TF 262)	4.7	66.7	6.7	7.0	6.0	7.3	8.0	6.7	6.7	6.9
EXTRAVAGANZA (PST-5MCMO)	4.3	66.7	7.0	7.0	6.0	7.0	7.3	7.0	7.0	6.9
RDC	4.3	66.7	7.0	7.0	6.0	7.3	7.3	6.7	6.7	6.9
RHF	5.0	66.7	7.0	7.0	6.0	7.0	8.0	6.7	6.7	6.9
TITANIUM G-LS (PPG-TF 255)	5.0	63.3	7.0	7.0	6.0	7.7	7.3	6.7	6.7	6.9
TOUGH (NAI-TUE)	6.0	66.7	7.0	6.7	6.0	7.0	7.7	7.0	7.0	6.9
BANDIT	4.7	70.0	6.3	7.0	6.0	7.0	7.7	6.7	6.7	6.8
BLADERUNNER 3 (DLFPS-321/3701)	4.3	63.3	7.0	7.0	6.0	7.0	7.3	6.7	6.7	6.8
BULLSEYE	6.0	70.0	7.0	7.0	6.0	6.7	7.3	7.0	7.0	6.8
FIRENZA II (PPG-TF 244)	4.7	63.3	6.7	7.0	5.7	7.0	7.7	6.7	6.7	6.8
GRO-PRO (SE53D2)	5.0	66.7	6.7	7.0	6.0	7.0	7.7	6.3	6.3	6.8
HELLCAT GLR (PST-5E6)	4.3	66.7	6.3	7.0	6.3	7.0	7.7	6.3	6.3	6.8
HEMI	5.0	70.0	6.7	7.0	6.0	7.3	7.3	6.3	6.3	6.8
HOUNDOG NINE (DLFPS-321/3702)	5.3	60.0	7.0	7.0	5.7	7.0	7.7	6.7	6.7	6.8
JT 233	6.0	66.7	6.7	7.0	5.7	7.3	7.7	6.3	6.3	6.8
OKEEFE (LTP-TF-122)	5.0	60.0	7.0	7.0	5.7	7.0	7.7	6.7	6.7	6.8
PADRE 2	5.3	66.7	6.7	7.0	5.7	7.0	7.7	6.7	6.7	6.8
PARAMOUNT	5.7	60.0	6.7	7.0	5.7	7.3	7.3	6.7	6.7	6.8
PRO GOLD	6.0	63.3	7.0	7.0	6.0	6.7	7.3	6.7	6.7	6.8
PST-5DC24	4.7	70.0	6.3	7.0	6.3	6.7	7.3	7.0	7.0	6.8
PST-5DZM	5.0	70.0	7.0	7.0	6.0	7.0	7.3	6.3	6.3	6.8
PST-5GQ	4.7	63.3	7.0	7.0	6.0	7.0	7.3	6.7	6.7	6.8
PST-5MINK	4.7	63.3	6.7	7.0	6.3	7.0	7.3	6.3	6.3	6.8
RAD-TF105	5.0	63.3	6.7	7.0	5.7	7.0	8.0	6.3	6.3	6.8
RAPTOR III	5.0	63.3	7.0	7.0	5.7	7.0	7.3	6.7	6.7	6.8
RC4	4.7	66.7	6.3	7.0	5.7	7.0	8.0	6.7	6.7	6.8
RS1	4.0	50.0	7.3	7.0	5.3	7.3	7.0	6.7	6.7	6.8
SE5STAR	5.7	63.3	6.7	6.7	6.0	6.7	8.0	6.7	6.7	6.8
XANADU (JT 268)	5.0	70.0	6.3	7.0	6.0	7.7	7.3	6.7	6.7	6.8
3B2	5.7	63.3	7.0	7.0	6.0	7.0	7.3	6.0	6.0	6.7
COL-TF-148	5.0	63.3	7.0	7.0	5.3	6.7	7.3	7.0	7.0	6.7
COPIOUS TF	4.3	66.7	6.0	6.7	6.0	7.0	7.3	7.0	7.0	6.7
DLFPS-321/3703	6.0	60.0	7.0	7.0	5.7	7.0	7.0	6.7	6.7	6.7
DLFPS-TF/3553	5.3	50.0	7.0	7.0	5.0	7.0	7.7	6.7	6.7	6.7
ENDGAME (3N1)	5.0	66.7	6.7	7.0	5.7	7.0	7.3	6.7	6.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	56.7	6.3	7.0	5.7	7.0	7.7	6.3	6.3	6.7
FAYETTE	5.7	63.3	6.7	6.7	5.7	7.0	7.7	6.7	6.7	6.7
GALLARDO (DLFPS-TF/3550)	5.0	63.3	7.0	7.0	5.7	7.0	7.0	6.7	6.7	6.7
GLX ACED (PST-5DART)	5.3	66.7	7.0	7.0	5.7	7.0	7.0	6.3	6.3	6.7
MONUMENT (PST-5SQB)	4.7	66.7	6.7	7.0	6.0	7.0	7.3	6.3	6.3	6.7
MOONDANCE GLX	5.7	63.3	7.3	7.0	5.3	7.0	7.0	6.7	6.7	6.7
ORIOLE (PST-5BYOB)	5.0	60.0	7.0	7.0	6.0	6.3	7.3	6.7	6.7	6.7
GLX REVIVE (PST-5GLBS)	5.0	66.7	6.3	6.7	6.0	7.0	7.3	6.7	6.7	6.7
PST-5TRN	5.7	63.3	6.7	6.7	6.0	7.3	7.3	6.0	6.0	6.7

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2022 DATA

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

NAME	SPRING	PERCENT GROUND			QUALITY RATINGS					MEAN
	GREENUP	COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
RAD-TF131	5.0	63.3	6.3	7.0	6.0	7.0	7.7	6.3	6.7	
FALCON SUPREME (RH1)	5.7	66.7	6.7	7.0	6.0	7.0	7.3	6.3	6.7	
SETFM2	5.3	66.7	6.0	7.0	6.3	6.7	7.7	6.3	6.7	
TANK (PPG-TF 338)	5.0	63.3	6.7	6.7	6.0	7.0	7.3	6.3	6.7	
TITAN MAX (TF456)	5.0	63.3	6.7	7.0	5.7	7.0	7.0	7.0	6.7	
AST8118LM	6.3	60.0	7.0	6.7	5.7	7.0	7.0	6.3	6.6	
BAR 9FE MAS	5.3	60.0	6.3	6.3	5.7	7.0	7.7	6.3	6.6	
DLFPS-321/3707	5.7	60.0	7.0	6.7	5.0	7.0	7.0	6.7	6.6	
JT 517	4.7	60.0	6.7	7.0	5.7	7.0	7.0	6.0	6.6	
LIFEGUARD	5.0	63.3	6.7	7.0	5.7	6.7	7.0	6.7	6.6	
NAI-FQZ-17	6.0	66.7	7.0	7.0	5.7	7.0	7.0	6.0	6.6	
NT-3	4.0	53.3	6.7	7.0	5.3	7.3	6.7	6.3	6.6	
PST-5THM	5.0	66.7	7.0	6.7	5.7	7.0	7.0	6.3	6.6	
RACEWAY (DLFPS-321/3696)	6.0	53.3	7.0	7.0	5.0	7.3	6.7	6.3	6.6	
RAD-TF115 (TURBO SS)	4.7	60.0	6.0	7.0	6.0	7.0	7.3	6.3	6.6	
ROWDIER (DLFPS-321/3699)	5.3	53.3	6.7	7.0	5.0	7.0	7.3	6.3	6.6	
SETFM3	5.0	60.0	6.0	7.0	5.7	7.0	7.7	6.3	6.6	
TANGO	5.3	73.3	6.7	6.7	6.0	6.7	7.0	6.3	6.6	
TD2	5.0	50.0	7.0	7.0	4.7	7.3	7.3	6.3	6.6	
A-TF31	5.3	60.0	6.3	7.0	5.7	7.0	7.0	6.0	6.5	
AST8218LM	5.3	66.7	6.7	7.0	5.7	6.3	7.0	6.3	6.5	
ATF1768	4.7	60.0	7.0	7.0	5.7	7.0	6.7	5.7	6.5	
BAR-FA8230	4.7	63.3	6.7	6.7	6.0	6.3	7.0	6.3	6.5	
BENTLEY (DLFPS-321/3679)	5.3	60.0	6.7	6.7	5.3	7.0	7.0	6.3	6.5	
DLFPS-321/3693	5.7	56.7	7.0	7.0	5.0	7.0	6.7	6.3	6.5	
DLFPS-321/3694	5.3	46.7	7.3	7.0	4.7	6.7	7.0	6.3	6.5	
DLFPS-321/3695	5.3	46.7	7.0	7.0	4.3	7.3	7.0	6.3	6.5	
TOPSHELFB (BGR-TF3)	5.0	53.3	7.0	7.0	5.0	6.3	7.0	6.7	6.5	
BIRMINGHAM	5.7	63.3	6.7	6.0	6.0	6.7	6.7	6.3	6.4	
BRAVO 2	6.0	66.7	7.0	6.3	5.3	7.0	7.0	6.0	6.4	
ESCALADE	5.0	66.7	6.7	6.3	5.7	6.7	7.3	6.0	6.4	
GRAND PRIX (FC15-01P)	4.7	63.3	6.3	6.7	6.0	6.7	7.0	6.0	6.4	
NATURALLY GREEN	5.3	63.3	6.7	6.7	5.3	6.7	7.0	6.0	6.4	
OG-WALK	6.0	63.3	6.7	6.3	5.7	7.0	7.0	6.0	6.4	
PALOMAR	5.7	63.3	7.0	6.3	5.3	6.7	7.0	6.3	6.4	
BAR FA 8228	5.7	60.0	6.3	6.0	6.0	6.7	6.7	6.3	6.3	
LBF	4.7	53.3	6.7	6.7	5.0	6.7	7.0	6.0	6.3	
SR 8700 (TMT1)	5.3	46.7	6.7	7.0	4.7	7.0	6.7	6.0	6.3	
ATF2116	5.7	56.7	6.7	6.7	4.7	6.7	6.7	6.0	6.2	
LAFAYETTE (GO-AOMK)	5.7	63.3	6.3	6.3	5.7	6.3	7.0	5.7	6.2	
KENTUCKY-31	6.7	70.0	6.3	5.7	5.7	6.7	6.3	5.7	6.1	
LSD VALUE	5.0	64.3	1.5	0.6	3.6	1.0	1.5	1.4	0.6	
C.V. (%)	18.6	17.2	6.8	4.5	13.1	6.2	8.2	8.1	4.3	

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

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

TABLE 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2022 DATA

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

NAME	SPRING	QUALITY RATINGS							
	DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
TD2	8.0	8.0	7.0	6.0	6.0	6.7	7.3	7.0	6.9
BLADERUNNER 3 (DLFPS-321/3701)	8.0	7.7	7.0	6.0	6.0	6.7	7.3	7.0	6.8
GALLARDO (DLFPS-TF/3550)	8.0	7.7	7.0	6.0	6.0	6.7	6.7	7.0	6.7
TITANIUM G-LS (PPG-TF 255)	8.0	7.7	6.7	5.7	6.0	6.7	7.0	7.3	6.7
DLFPS-321/3706	8.0	7.7	6.3	6.0	6.0	6.7	7.0	6.7	6.6
DLFPS-321/3708	8.0	7.3	6.7	5.7	6.0	6.0	7.7	7.0	6.6
PPG-TF 231	8.0	7.3	6.7	6.3	5.7	7.0	6.7	6.7	6.6
PPG-TF 312	7.7	7.7	7.0	5.7	6.0	6.0	6.7	7.0	6.6
FALCON SUPREME (RH1)	7.3	7.3	6.7	5.3	5.3	6.7	7.7	7.0	6.6
RHL2	8.0	7.7	6.3	6.0	6.0	6.7	7.0	6.7	6.6
5LSS	8.3	7.7	7.3	5.0	5.3	6.3	7.0	7.0	6.5
BULLSEYE LTZ	8.3	8.0	7.0	5.3	5.0	6.7	6.7	6.7	6.5
DEGAS (LTP-TF-111)	8.0	7.7	7.0	6.0	6.3	6.0	6.0	6.7	6.5
DLFPS-321/3695	7.3	7.3	6.7	5.7	5.3	6.7	6.7	7.0	6.5
DLFPS-321/3707	7.7	7.0	7.0	6.0	5.3	6.7	7.0	6.7	6.5
FIRENZA II (PPG-TF 244)	7.7	7.3	7.0	5.7	5.7	6.3	7.0	6.3	6.5
PPG-TF 316	8.0	7.3	7.0	5.3	5.7	6.3	6.7	7.0	6.5
PPG-TF 318	7.7	7.0	7.0	5.7	6.7	6.3	6.0	6.7	6.5
RAPTOR LS (PPG-TF 336)	7.3	7.7	7.0	5.7	6.7	6.0	6.0	6.3	6.5
ROWDIER (DLFPS-321/3699)	7.3	7.0	6.7	6.3	5.3	6.7	7.0	6.3	6.5
RS1	7.7	7.7	7.0	5.3	5.3	6.7	6.7	6.7	6.5
SPYDER 2LS (ZRC1)	7.7	7.7	7.0	6.0	6.0	5.7	6.3	6.7	6.5
TITAN GLX (TF445)	7.3	7.7	7.0	5.3	5.7	6.3	6.7	6.7	6.5
ATF1768	7.7	7.7	7.0	6.0	5.0	6.0	6.3	7.0	6.4
BONFIRE (JS DTT)	8.0	7.3	7.0	6.0	5.0	6.7	6.7	6.3	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	7.3	7.0	7.0	6.0	5.7	6.3	6.3	6.3	6.4
FASTLANE (BY-TF-169)	8.0	6.7	6.7	5.7	6.0	6.7	7.0	6.0	6.4
HOUNDOG NINE (DLFPS-321/3702)	7.3	7.7	6.7	5.0	6.0	6.3	6.7	6.3	6.4
BATTLE HAWK (NAI-ROS4)	7.3	7.3	6.7	5.0	5.7	6.3	7.0	7.0	6.4
RDC	7.3	7.3	6.7	5.3	6.0	6.3	6.7	6.3	6.4
SERENADE (PPG-TF 320)	8.0	7.7	7.0	5.3	4.7	6.3	7.3	6.3	6.4
TITAN MAX (TF456)	7.3	7.3	6.3	5.7	5.3	7.0	6.3	7.0	6.4
AVENGER III (PPG-TF 308)	7.7	7.0	6.7	5.7	5.3	6.0	6.7	6.7	6.3
DAYBREAK (AH2)	7.7	7.3	6.7	5.7	6.0	6.0	6.0	6.3	6.3
DLFPS-TF/3553	7.7	7.3	6.7	5.3	5.3	6.3	6.7	6.3	6.3
DRAGSTER	8.0	7.0	7.0	6.0	5.7	6.3	5.7	6.3	6.3
FINELAWN SUPREME (RH3)	7.3	7.3	6.7	5.3	5.3	6.3	6.7	6.7	6.3
GALACTIC (SESCR1)	7.0	7.0	6.7	5.3	5.3	6.3	6.7	7.0	6.3
HEMI	7.3	7.3	6.3	5.7	5.7	6.3	6.0	6.7	6.3
K18-WB1	7.7	7.0	6.3	5.7	5.0	6.7	7.0	6.3	6.3
NT-3	8.3	8.0	6.3	5.7	5.7	6.7	6.3	5.7	6.3
OKEEFE (LTP-TF-122)	7.7	7.3	6.7	5.3	5.3	6.0	7.0	6.7	6.3
PPG-TF 337	8.0	7.7	7.0	5.3	6.0	6.3	5.7	6.0	6.3
RAD-TF115 (TURBO SS)	7.7	7.3	6.7	5.7	5.3	6.0	6.7	6.3	6.3
RC4	8.0	7.3	7.0	5.7	5.3	6.0	6.7	6.3	6.3

TABLE 15.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2022 DATA

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

NAME	SPRING	QUALITY RATINGS							MEAN
	DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	
ROVER (PPG-TF 306)	8.0	7.7	6.7	5.7	6.0	6.0	6.0	6.3	6.3
SR 8700 (TMT1)	8.0	8.0	6.7	6.0	5.3	6.3	6.7	5.3	6.3
TALLADEGA II (NAI-3N2)	7.3	7.3	6.3	6.0	5.7	6.3	6.0	6.3	6.3
TEACHER (PPG-TF 313)	8.0	7.3	6.7	5.0	5.3	6.7	6.3	6.7	6.3
TRIAD (PPG-TF 323)	8.0	7.0	6.3	5.0	5.7	6.7	7.3	6.0	6.3
DLFPS-321/3693	8.0	7.7	6.7	5.3	5.0	6.0	6.3	6.7	6.2
DLFPS-321/3694	7.7	7.0	6.0	5.0	4.7	6.7	6.7	7.3	6.2
PROVIDENCE (GO-RH20)	7.3	7.7	6.3	5.3	5.7	5.7	6.0	6.7	6.2
JT 233	8.0	7.7	6.7	5.0	5.7	6.3	7.0	5.3	6.2
PPG-TF 249	7.7	7.7	6.3	5.3	4.7	6.7	6.0	6.7	6.2
VALSETZ (PPG-TF 257)	7.3	6.7	6.7	5.7	5.3	6.3	6.7	6.3	6.2
EXPANSE (PPG-TF 262)	7.7	8.0	6.3	5.3	5.0	6.3	6.3	6.3	6.2
PST-5TRN	8.0	7.3	6.3	5.3	5.7	5.7	6.3	6.7	6.2
STEALTH (PPG-TF 238)	7.3	6.7	6.3	5.3	5.0	6.7	7.0	6.7	6.2
TANK (PPG-TF 338)	8.0	7.3	7.0	5.3	4.7	6.3	6.3	6.7	6.2
COL-TF-148	7.7	7.3	6.7	5.7	5.3	6.0	6.0	5.7	6.1
DLFPS-321/3703	7.3	7.7	7.0	4.7	5.3	6.0	6.0	6.0	6.1
DYNAMITE G-LS (PPG-TF 254)	7.3	7.3	6.3	5.3	5.0	6.0	6.7	6.0	6.1
FIRECRACKER G-LS (PPG-TF 315)	8.0	7.3	6.7	5.7	5.3	6.0	5.7	6.0	6.1
JT 517	7.7	7.3	6.7	4.7	5.0	6.0	6.3	6.7	6.1
KIZZLE (K18-ROE)	7.3	7.0	6.3	4.7	5.3	6.3	6.3	6.7	6.1
NAI-ST5	7.3	7.7	6.3	5.7	5.3	5.7	5.7	6.3	6.1
PADRE 2	7.0	7.0	6.7	5.7	5.3	5.7	6.0	6.3	6.1
SOUTHSIDE (PPG-TF 267)	8.0	8.0	6.3	5.3	4.7	5.7	6.3	6.3	6.1
PST-5DZM	6.7	7.0	6.3	5.3	5.7	6.0	5.7	6.7	6.1
RAD-TF105	7.3	7.0	6.7	5.3	5.3	6.0	6.3	6.3	6.1
SYMPHONY (PPG-TF 305)	7.7	7.0	6.3	5.3	5.7	5.7	6.3	6.3	6.1
XANADU (JT 268)	7.7	7.0	6.3	4.7	5.3	6.3	6.7	6.3	6.1
ZION (BAR TF 134)	7.7	7.0	6.7	5.3	5.3	6.3	6.7	5.7	6.1
A-TF31	8.3	6.7	6.7	5.3	4.0	6.0	6.0	7.0	6.0
CAPITAN (DLFPS-321/3705)	7.7	7.0	6.7	5.7	5.3	5.7	5.7	6.3	6.0
ENDGAME (3N1)	7.7	8.0	6.3	5.3	5.3	5.7	5.0	6.3	6.0
ESTRENA	7.7	7.0	6.7	5.3	5.3	5.3	6.7	5.7	6.0
FAIRFIELD (SETF104)	7.0	7.0	6.7	5.0	5.0	5.3	6.3	6.7	6.0
K18-NSE	7.7	7.3	6.7	5.3	5.0	5.7	6.3	5.7	6.0
K18-RS6	7.3	7.3	6.7	5.0	4.3	6.0	6.0	6.3	6.0
LIFEGUARD	7.7	7.3	6.7	4.7	5.3	5.7	6.0	6.3	6.0
NAI-FQZ-17	6.7	6.7	6.3	5.0	4.3	6.0	6.3	7.3	6.0
ORIOLE (PST-5BYOB)	7.0	7.0	6.7	5.7	5.3	5.0	5.7	6.3	6.0
RAPTOR III	7.7	7.0	6.7	5.0	5.0	6.3	6.0	6.3	6.0
TOUGH (NAI-TUE)	7.0	6.7	6.3	5.0	6.0	5.7	6.0	6.7	6.0
AST8218LM	6.0	6.3	6.7	6.0	4.7	5.0	6.3	6.3	5.9
FIREHAWK SLT	7.0	7.0	6.7	4.7	5.0	5.7	6.0	6.0	5.9
HELLCAT GLR (PST-5E6)	7.0	7.0	7.0	5.3	5.0	6.0	5.3	5.7	5.9
LBF	7.7	6.7	7.0	5.0	4.0	5.7	6.0	6.7	5.9
MOONDANCE GLX	7.0	7.0	6.7	5.0	5.7	5.3	5.3	6.0	5.9

TABLE 15.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2022 DATA

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

NAME	SPRING	QUALITY RATINGS							
	DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PARAMOUNT	7.7	7.0	6.0	4.7	5.3	6.0	6.0	6.3	5.9
PST-5MINK	6.7	7.3	6.7	5.0	5.7	5.3	5.0	6.0	5.9
SETFM3	7.0	6.3	7.0	5.0	5.0	5.3	6.3	6.3	5.9
CLASH (AH1)	7.0	7.7	5.7	4.7	5.0	6.0	6.3	5.3	5.8
BAR-FA8230	7.0	6.7	6.0	5.0	4.3	6.7	6.0	5.7	5.8
BRAVO 2	6.7	6.7	6.0	4.7	4.0	5.7	6.3	7.0	5.8
GLX ACED (PST-5DART)	7.7	6.7	6.7	4.3	4.7	6.0	6.0	6.3	5.8
GRANDE 3	7.3	7.0	6.0	4.7	4.7	5.7	6.0	6.3	5.8
GLX REVIVE (PST-5GLBS)	7.3	7.0	6.3	4.7	5.0	5.7	5.7	6.3	5.8
EXTRAVAGANZA (PST-5MCMO)	7.0	6.7	6.3	4.7	5.7	5.3	6.0	5.7	5.8
RACEWAY (DLFPS-321/3696)	7.3	7.0	6.3	5.0	4.3	5.7	6.3	6.0	5.8
RAD-TF131	7.3	7.0	6.0	5.0	5.3	5.3	6.0	5.7	5.8
SE5STAR	7.0	7.0	6.0	4.7	4.7	6.0	6.0	6.0	5.8
ATF2116	6.7	7.0	6.7	4.0	4.7	5.3	6.0	6.3	5.7
BENTLEY (DLFPS-321/3679)	6.7	7.0	6.7	4.7	4.7	5.7	5.3	6.0	5.7
FAYETTE	6.7	6.7	6.7	4.7	4.0	5.0	6.7	6.3	5.7
GRO-PRO (SE53D2)	7.0	6.7	6.0	4.7	5.3	5.7	5.7	6.0	5.7
PRO GOLD	6.3	6.7	6.0	5.7	5.0	5.3	5.3	6.0	5.7
PST-5DC24	7.0	7.0	6.3	4.3	4.7	5.3	5.7	6.3	5.7
PST-5GQ	7.0	6.7	6.7	5.0	4.7	5.0	6.0	5.7	5.7
RHF	7.7	6.7	6.3	4.7	5.0	5.3	6.3	5.3	5.7
TOPSHELF (BGR-TF3)	7.3	7.7	6.3	5.0	4.0	4.3	6.3	6.0	5.7
3B2	7.7	6.7	6.3	5.0	4.3	5.3	5.7	6.0	5.6
BANDIT	7.7	6.3	6.7	5.3	4.3	5.0	5.3	6.3	5.6
COPIOUS TF	7.3	7.3	6.3	4.7	4.3	5.0	5.0	6.3	5.6
SETFM2	7.0	6.3	6.0	5.0	4.3	5.3	5.7	6.3	5.6
TANGO	7.3	7.0	5.3	5.0	5.0	5.0	5.3	6.7	5.6
LAFAYETTE (GO-AOMK)	7.0	6.3	7.0	5.0	4.3	4.7	5.0	6.0	5.5
NATURALLY GREEN	7.0	6.7	6.3	4.3	4.0	5.0	5.7	6.3	5.5
BAR 9FE MAS	6.3	6.3	5.0	5.3	4.3	5.0	6.3	5.7	5.4
BAR FA 8228	5.7	6.0	6.0	5.3	4.3	4.7	5.3	6.0	5.4
ESCALADE	6.0	6.3	6.0	5.3	4.0	4.3	5.7	6.0	5.4
MONUMENT (PST-5SQB)	6.3	6.0	5.7	4.7	5.0	5.3	5.0	6.0	5.4
BULLSEYE	7.3	6.7	6.0	4.0	4.3	5.0	5.3	6.0	5.3
GRAND PRIX (FC15-01P)	6.7	6.3	5.3	5.0	3.7	5.3	5.7	5.7	5.3
PST-5THM	7.0	6.3	6.3	4.3	4.7	4.7	4.7	6.0	5.3
AST8118LM	7.0	6.7	6.3	4.3	3.7	5.0	5.3	5.3	5.2
BIRMINGHAM	6.0	6.0	5.7	3.7	4.7	5.0	5.0	6.0	5.1
PALOMAR	5.3	5.7	6.3	4.3	4.0	4.0	4.7	5.3	4.9
OG-WALK	5.7	6.3	5.3	4.0	3.7	4.3	4.3	5.3	4.8
KENTUCKY-31	3.3	2.7	2.7	2.3	2.0	2.0	2.0	2.3	2.3
LSD VALUE	1.0	1.4	1.1	2.4	1.9	1.6	1.3	1.4	0.8
C.V. (%)	8.4	10.1	9.2	16.3	17.4	14.3	11.9	11.2	8.0

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

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

TABLE 16.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	GA1	IA1	KS1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	OR1	TN1	UT1	MEAN
RAD-TF131	7.0	8.0	8.0	2.3	7.7	8.0	7.0	8.3	7.0	7.0	6.7	7.3	6.7	5.0	6.3	6.8
TOPSHELF (BGR-TF3)	7.0	7.7	8.3	3.0	7.3	7.3	7.7	8.7	6.3	7.0	7.0	6.7	7.0	5.3	6.0	6.8
AST8218LM	6.7	8.0	8.3	2.7	7.3	7.3	7.7	8.0	7.0	6.3	6.7	7.7	7.0	5.0	6.3	6.8
AST8118LM	7.0	8.0	8.7	2.7	7.3	7.3	7.3	8.0	6.7	8.0	6.7	7.0	6.7	5.0	5.3	6.8
RAD-TF115 (TURBO SS)	6.7	7.7	8.3	3.0	8.0	7.7	6.3	8.0	7.0	6.3	6.7	7.7	7.0	5.0	6.3	6.8
COPIOUS TF	7.0	8.0	8.0	3.0	8.0	7.0	7.7	8.7	6.7	6.3	6.3	7.3	6.3	5.0	6.0	6.8
BANDIT	7.0	7.7	8.0	2.3	7.7	7.0	7.7	8.0	7.0	7.7	6.7	7.3	6.3	4.7	6.0	6.7
SETFM2	7.0	8.0	8.3	3.0	8.0	7.7	7.3	8.0	7.0	6.3	6.3	7.0	6.0	5.0	6.0	6.7
XANADU (JT 268)	7.0	7.3	8.0	2.7	7.7	7.3	7.0	8.0	7.0	8.3	6.3	7.3	7.0	4.3	5.7	6.7
TOUGH (NAI-TUE)	7.0	7.7	8.7	2.3	8.0	7.3	8.0	8.7	7.0	5.7	6.3	7.0	6.7	4.7	5.7	6.7
TITANIUM G-LS (PPG-TF 255)	7.0	7.3	8.7	2.7	7.3	7.0	6.3	8.0	7.0	6.3	7.0	7.7	7.0	5.0	5.0	6.6
LBF	6.7	7.7	7.7	2.0	8.0	7.3	7.0	8.0	7.0	6.7	6.7	7.0	6.7	5.0	5.7	6.6
TANK (PPG-TF 338)	7.0	7.3	8.3	3.3	7.3	7.0	7.3	8.3	7.0	6.0	6.7	7.0	6.7	4.7	5.0	6.6
RAD-TF105	7.0	7.7	8.0	2.7	8.0	7.0	7.0	8.3	7.0	5.3	6.7	7.3	6.7	5.3	5.0	6.6
ROWDIER (DLFPS-321/3699)	7.0	7.3	8.0	2.7	7.7	7.0	6.3	8.3	6.3	7.0	6.3	7.3	6.7	5.3	5.7	6.6
JT 517	6.7	8.0	8.0	2.0	7.3	7.0	6.7	8.0	7.0	7.0	6.3	7.0	6.7	5.3	6.0	6.6
SETFM3	7.0	7.0	8.3	3.0	7.7	7.0	6.7	8.0	7.0	6.3	6.0	7.3	6.7	4.7	5.7	6.6
AVENGER III (PPG-TF 308)	7.0	7.0	8.0	3.0	7.7	7.0	6.7	8.0	6.7	7.3	6.3	7.0	6.7	5.0	5.0	6.6
DLFPS-321/3708	7.0	7.3	8.0	2.0	7.0	7.0	6.7	8.0	7.0	6.7	6.3	7.0	6.7	5.0	6.7	6.6
GRANDER (PPG-TF 267)	7.0	7.3	8.0	2.3	7.0	7.7	6.7	8.0	7.0	6.7	6.7	7.3	7.0	4.7	5.0	6.6
HOUNDOG NINE (DLFPS-321/3702)	7.0	7.0	8.0	3.3	7.7	7.3	6.3	8.0	6.7	6.0	6.7	7.3	6.3	5.0	5.3	6.6
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.7	8.0	2.7	7.0	7.3	6.7	8.0	7.0	6.0	6.7	7.3	6.3	5.0	5.3	6.5
JT 233	7.0	7.3	8.3	3.3	7.0	6.7	7.7	8.3	7.0	5.0	6.7	7.0	6.7	4.7	5.3	6.5
LAFAYETTE (GO-AOMK)	7.0	7.0	8.7	2.3	8.0	7.0	6.7	8.3	7.0	5.3	7.0	7.0	6.3	4.7	5.7	6.5
NAI-ST5	7.0	7.3	8.0	2.7	7.7	7.3	7.0	8.3	7.0	5.7	6.7	6.7	6.7	4.7	5.0	6.5
DLFPS-321/3703	7.0	7.3	8.0	2.7	8.0	7.0	7.0	8.0	7.0	6.3	6.7	7.0	6.0	4.7	5.0	6.5
ROVER (PPG-TF 306)	7.0	7.0	8.0	2.7	7.7	7.0	6.7	8.0	6.7	7.3	6.3	7.3	6.0	4.7	5.3	6.5
BAR 9FE MAS	7.0	7.3	7.3	3.0	7.3	7.3	6.7	9.0	6.7	5.7	6.7	7.0	6.7	5.0	4.7	6.5
BIRMINGHAM	6.7	7.0	8.7	3.0	7.7	7.0	7.3	8.3	7.0	6.0	6.3	7.0	6.3	4.3	4.7	6.5
NATURALLY GREEN	6.7	7.7	8.0	2.3	8.0	7.0	6.7	8.0	6.7	5.3	6.3	7.3	6.7	5.0	5.7	6.5
PST-5DC24	7.0	7.0	8.0	2.3	8.0	7.0	6.3	8.0	7.0	6.0	7.0	7.0	6.7	5.0	5.0	6.5
RACEWAY (DLFPS-321/3696)	7.0	7.3	8.3	2.3	8.0	7.0	7.0	8.0	6.7	5.7	6.7	6.7	6.3	5.0	5.3	6.5
TRIAD (PPG-TF 323)	7.0	7.3	8.0	3.3	7.0	7.0	6.3	8.0	6.3	6.3	6.3	7.3	6.7	5.0	5.3	6.5
BRAVO 2	6.7	7.0	8.3	3.3	7.7	6.7	6.7	7.7	6.7	7.0	6.3	7.0	6.3	5.0	5.0	6.5
DLFPS-321/3693	7.0	7.3	8.0	3.0	7.7	7.0	6.3	8.3	7.0	6.7	6.0	6.7	6.0	5.0	5.0	6.5
GALLARDO (DLFPS-TF/3550)	6.7	7.3	8.0	3.3	7.7	7.0	6.0	8.0	6.7	5.7	6.0	7.3	7.0	4.7	5.7	6.5
NAI-FQZ-17	7.0	8.0	7.7	2.3	7.3	7.0	7.3	8.0	7.0	6.3	6.0	7.0	6.3	4.7	5.0	6.5
SYMPHONY (PPG-TF 305)	7.0	7.0	8.0	3.0	7.0	7.0	6.3	8.0	7.0	6.3	6.7	7.0	7.0	4.3	5.3	6.5
EXPANSE (PPG-TF 262)	7.0	7.7	8.0	2.7	7.3	7.0	6.7	7.7	7.0	6.3	6.3	7.3	6.0	4.7	5.0	6.4
FIRENZA II (PPG-TF 244)	7.0	7.3	7.7	2.3	7.3	7.0	6.3	8.3	7.0	6.7	6.7	7.0	6.3	4.3	5.3	6.4
TALLADEGA II (NAI-3N2)	7.0	7.0	8.0	2.3	7.7	7.0	7.0	8.0	6.7	6.7	6.7	7.0	5.7	5.0	4.7	6.4
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.0	8.0	3.7	7.0	7.0	6.7	8.0	7.0	5.3	6.3	7.0	6.0	5.3	5.0	6.4
ENDGAME (3N1)	7.0	7.3	8.0	2.7	7.7	7.3	6.7	7.7	6.7	6.3	6.0	7.7	6.0	4.3	5.0	6.4
SR 8700 (TMT1)	6.7	7.0	8.0	2.3	8.0	7.3	6.7	8.0	7.0	6.0	6.0	7.0	6.3	5.0	5.0	6.4
ATF2116	6.3	7.3	8.3	2.0	7.5	6.7	7.0	8.0	7.0	5.7	6.7	7.0	7.0	4.3	5.3	6.4
NT-3	7.3	6.7	8.0	2.7	7.3	7.0	6.3	8.0	7.0	6.0	6.7	7.0	6.0	5.0	5.0	6.4

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	GA1	IA1	KS1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	OR1	TN1	UT1	MEAN
PPG-TF 249	7.0	7.3	8.0	3.7	7.3	7.0	6.7	8.0	6.7	5.3	6.7	7.0	6.0	4.7	4.7	6.4
ATF1768	6.7	7.7	8.0	3.0	7.7	7.0	5.7	8.0	6.7	5.7	7.0	7.0	6.0	5.3	4.7	6.4
FALCON SUPREME (RH1)	7.0	7.3	8.0	2.0	7.7	7.3	6.0	8.3	7.0	6.3	6.3	6.7	6.3	4.7	5.0	6.4
FIREHAWK SLT	7.0	7.0	8.0	2.0	7.3	7.0	6.7	8.3	6.7	7.0	6.0	7.0	6.3	5.0	4.7	6.4
RAPTOR III	7.0	7.0	8.0	2.3	7.7	7.0	6.7	8.0	7.0	6.3	6.0	7.0	6.3	5.0	4.7	6.4
PPG-TF 231	7.0	7.7	8.3	1.7	7.5	7.0	6.7	8.3	6.7	5.3	6.3	7.3	6.3	4.7	5.0	6.4
A-TF31	7.0	7.3	8.3	2.3	7.3	6.3	6.7	8.0	6.7	6.3	6.0	6.7	6.3	5.0	5.3	6.4
BENTLEY (DLFPS-321/3679)	6.7	7.0	8.0	2.0	8.0	7.0	6.0	7.7	7.0	6.7	6.3	7.3	6.0	5.3	4.7	6.4
BONFIRE (JS DTT)	7.0	7.0	8.0	2.3	7.3	7.0	7.0	8.0	7.0	5.7	6.3	7.0	6.0	5.0	5.0	6.4
DAYBREAK (AH2)	7.0	7.0	8.0	2.3	7.0	7.0	6.0	8.3	7.0	6.7	6.3	7.0	6.3	5.0	4.7	6.4
PADRE 2	7.0	6.7	8.0	3.0	7.0	7.0	7.0	7.7	7.0	5.7	6.3	7.0	6.3	5.0	5.0	6.4
SE5STAR	7.0	7.0	7.7	2.7	7.7	7.0	7.0	8.0	7.0	5.7	6.7	6.7	5.7	5.0	4.7	6.4
TANGO	7.0	7.0	8.0	2.0	7.7	7.0	6.3	8.0	6.7	5.7	6.7	7.0	6.7	5.0	4.7	6.4
CAPITAN (DLFPS-321/3705)	6.7	7.0	8.0	2.7	7.3	7.0	6.3	8.3	7.0	6.3	6.0	7.0	6.3	4.7	4.7	6.4
FASTLANE (BY-TF-169)	7.0	7.3	8.0	2.7	7.3	7.0	6.0	7.7	7.0	5.7	6.7	7.0	6.3	5.0	4.7	6.4
GALACTIC (SESCR1)	7.0	7.0	8.0	2.7	7.3	7.0	6.0	8.0	7.0	6.7	6.0	6.7	6.0	5.0	5.0	6.4
RC4	7.0	6.3	8.0	3.0	7.0	7.0	6.3	8.0	7.0	6.3	6.3	7.0	5.7	4.7	5.7	6.4
DYNAMITE G-LS (PPG-TF 254)	7.0	7.0	8.0	3.3	7.0	7.0	6.0	8.0	7.0	5.7	6.3	7.3	6.0	5.0	4.7	6.4
PST-5MINK	7.0	7.0	8.0	2.3	7.0	7.0	7.0	8.0	7.0	6.0	6.0	7.3	6.0	5.0	4.7	6.4
RHL2	7.0	7.0	8.0	2.7	7.3	7.0	6.7	8.0	7.0	6.0	5.7	7.0	5.7	5.0	5.3	6.4
STEALTH (PPG-TF 238)	7.0	7.0	8.0	2.3	7.0	7.0	6.7	8.0	7.0	6.0	6.7	7.3	6.0	4.3	5.0	6.4
FAIRFIELD (SETF104)	7.0	7.3	8.0	2.0	7.0	7.0	6.3	8.0	7.0	6.0	6.3	6.7	6.3	5.0	5.3	6.4
DLFPS-321/3707	7.0	7.3	8.0	2.3	6.7	7.0	6.7	8.0	6.7	6.7	6.0	6.7	6.7	4.7	4.7	6.3
K18-WB1	7.0	7.3	8.0	2.3	7.7	7.0	6.3	8.0	6.7	5.7	6.7	7.0	6.0	4.3	5.0	6.3
DLFPS-321/3694	6.7	7.0	8.0	2.3	7.7	7.3	6.7	7.7	7.0	6.3	6.0	6.3	6.3	4.7	5.0	6.3
PPG-TF 318	7.0	7.0	8.0	2.0	7.0	7.0	6.0	8.0	7.0	6.7	6.7	6.7	6.0	5.0	4.7	6.3
VALSETZ (PPG-TF 257)	7.0	7.0	8.0	2.7	7.0	7.0	7.0	8.0	6.3	5.7	6.0	7.0	6.0	5.0	5.0	6.3
PPG-TF 316	6.7	7.0	8.0	2.3	7.3	7.0	6.0	8.0	6.7	6.7	6.3	7.0	6.0	4.7	5.0	6.3
BULLSEYE LTZ	7.0	7.0	8.0	2.7	7.5	7.0	5.7	8.0	7.0	5.7	6.3	7.0	6.3	4.7	4.7	6.3
SERENADE (PPG-TF 320)	6.7	6.7	8.3	3.0	7.0	7.0	6.7	8.0	7.0	5.0	6.7	7.0	6.0	4.7	4.7	6.3
BATTLE HAWK (NAI-ROS4)	7.0	7.0	8.0	2.3	7.3	7.0	6.7	8.0	7.0	5.7	6.0	6.7	6.0	5.0	4.7	6.3
FAYETTE	6.7	7.0	7.3	2.7	7.7	7.0	6.3	7.7	6.7	5.7	6.7	7.0	6.0	5.0	5.0	6.3
PARAMOUNT	7.0	7.0	7.7	2.7	7.7	7.3	6.7	8.0	7.0	5.0	5.7	6.7	6.0	5.0	5.0	6.3
TD2	7.0	7.0	8.0	2.3	7.3	7.0	6.3	8.0	7.0	5.0	6.3	6.7	6.3	4.7	5.3	6.3
DLFPS-TF/3553	6.7	7.0	8.0	2.7	7.3	7.3	6.0	7.7	6.7	6.0	6.3	7.0	6.3	4.3	5.0	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.0	8.0	2.7	7.3	7.0	7.0	8.0	6.7	5.3	6.0	6.3	6.0	4.7	5.3	6.3
CLASH (AH1)	7.0	7.3	8.0	2.0	7.0	7.0	6.7	8.0	6.7	5.7	6.0	6.7	6.3	4.7	4.7	6.2
HEMI	7.0	6.3	8.0	3.3	6.7	7.0	6.0	8.0	6.7	6.0	6.0	7.0	6.0	5.0	4.7	6.2
PROVIDENCE (GO-RH20)	7.0	7.3	8.0	2.3	7.3	7.0	5.7	8.3	7.0	5.0	6.3	7.0	6.0	4.7	4.7	6.2
PST-5GQ	7.0	6.7	7.7	2.3	7.0	7.0	6.3	7.7	7.3	5.7	6.3	6.7	6.0	5.3	4.7	6.2
TITAN MAX (TF456)	7.0	6.7	7.7	2.3	7.7	7.0	5.7	8.0	7.0	6.0	6.3	7.0	5.7	4.7	5.0	6.2
3B2	7.0	6.7	8.3	2.3	7.3	7.3	6.3	7.7	7.0	5.0	6.0	7.3	5.7	5.3	4.3	6.2
PPG-TF 337	7.0	7.0	8.0	2.3	7.0	7.0	6.7	8.0	6.7	5.0	6.3	7.0	6.0	4.7	5.0	6.2
RAPTOR LS (PPG-TF 336)	7.0	7.0	8.0	2.0	7.3	7.0	6.7	7.7	6.7	5.3	7.0	6.7	6.0	4.3	5.0	6.2
BAR-FA8230	7.0	6.7	7.7	2.7	7.3	7.0	6.0	7.7	7.0	5.7	6.3	6.7	6.0	5.0	4.7	6.2
DRAGSTER	7.0	6.7	8.0	2.7	8.0	7.0	6.3	7.7	7.0	5.3	6.3	6.3	5.7	4.7	4.7	6.2
DEGAS (LTP-TF-111)	7.0	7.0	7.7	2.3	7.3	7.0	6.3	7.7	7.0	4.7	6.3	6.7	6.0	5.3	5.0	6.2

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	GA1	IA1	KS1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	OR1	TN1	UT1	MEAN
ORIOLE (PST-5BYOB)	7.0	6.7	7.7	2.7	7.7	7.0	6.3	8.0	7.0	5.0	6.3	7.0	6.0	5.0	4.0	6.2
GLX REVIVE (PST-5GLBS)	7.0	7.0	7.3	3.0	7.3	6.7	6.0	7.7	7.0	5.7	6.3	7.3	6.0	4.7	4.3	6.2
PALOMAR	6.3	6.3	7.0	2.7	7.7	6.7	6.3	7.7	7.0	7.0	6.3	7.0	6.0	5.0	4.3	6.2
BULLSEYE	6.7	6.7	8.0	1.7	7.7	6.7	6.7	8.0	7.0	5.3	6.0	7.7	5.7	4.7	4.7	6.2
COL-TF-148	7.3	6.7	8.0	2.0	7.0	7.0	6.3	7.7	7.0	5.7	6.0	6.7	5.7	5.0	5.0	6.2
ZION (BAR TF 134)	7.0	7.0	8.0	2.0	7.3	7.3	6.7	8.0	7.0	5.0	5.7	7.0	5.7	4.7	4.7	6.2
K18-RS6	7.0	6.7	7.7	3.0	7.3	7.0	6.0	8.0	7.0	5.3	6.3	7.0	5.3	4.7	4.7	6.2
TITAN GLX (TF445)	7.0	7.3	8.0	2.0	7.0	7.0	6.3	8.0	6.7	5.0	6.3	6.7	6.0	5.0	4.7	6.2
RS1	7.0	7.3	7.7	2.7	6.7	7.0	6.3	8.0	6.3	5.7	6.0	6.7	6.0	4.7	4.7	6.2
SPYDER 2LS (ZRC1)	7.0	6.7	8.0	2.0	6.3	7.0	6.0	8.0	7.0	6.7	6.3	7.0	5.3	4.7	4.7	6.2
OKEEFE (LTP-TF-122)	7.3	7.3	7.7	2.0	7.0	7.0	6.0	8.0	7.0	5.3	6.0	6.7	6.0	5.0	4.3	6.2
GLX ACED (PST-5DART)	7.0	7.0	8.0	2.0	7.3	6.7	6.7	8.0	6.3	5.3	6.0	7.0	5.7	4.7	4.7	6.2
DLFPS-321/3695	6.7	6.3	7.7	2.0	7.3	6.7	6.0	7.7	7.0	6.3	6.0	7.0	6.0	4.7	5.0	6.2
GRANDE 3	6.7	7.3	7.7	2.0	7.3	7.0	6.0	7.7	6.3	5.3	6.3	7.0	5.3	5.3	5.0	6.2
PST-5DZM	7.0	6.7	7.3	2.0	7.7	6.7	6.0	8.0	6.7	5.0	6.0	6.7	6.3	5.3	5.0	6.2
RHF	7.0	7.0	7.0	3.0	7.0	7.0	5.7	7.7	6.7	5.7	6.3	7.0	5.7	5.0	4.3	6.1
ESCALADE	6.3	6.3	7.3	2.0	7.3	6.3	7.0	8.0	7.0	6.0	6.0	6.7	5.7	5.0	4.7	6.1
PPG-TF 312	7.0	6.0	8.0	2.3	7.0	7.0	6.3	7.7	7.0	5.0	6.7	6.3	5.7	5.0	4.7	6.1
RDC	7.0	6.7	7.7	2.0	6.3	7.0	6.0	8.0	7.0	6.0	6.3	6.3	6.0	4.7	4.7	6.1
LIFEGUARD	6.7	6.7	7.3	2.3	7.0	7.0	5.7	8.0	7.0	6.0	6.0	7.0	5.3	5.0	4.7	6.1
EXTRAVAGANZA (PST-5MCMO)	7.0	6.7	7.7	2.3	7.7	7.0	6.0	7.7	6.3	5.7	5.7	6.7	5.7	5.0	4.3	6.1
GRO-PRO (SE53D2)	6.7	6.7	8.0	2.3	7.3	7.0	6.3	8.0	7.0	3.7	6.3	7.0	5.7	4.7	4.7	6.1
GRAND PRIX (FC15-01P)	6.7	6.3	8.0	2.3	7.7	6.7	6.0	7.7	6.7	5.0	6.7	6.0	5.7	5.0	5.0	6.1
KIZZLE (K18-ROE)	7.0	7.0	7.3	2.3	7.7	7.0	6.0	8.0	5.7	4.7	6.0	7.0	6.0	5.0	4.7	6.1
ESTRENA	7.0	6.7	8.0	2.7	7.0	7.0	6.7	7.7	7.0	4.3	5.7	7.0	5.7	4.7	4.0	6.1
TEACHER (PPG-TF 313)	7.0	6.7	7.0	2.7	6.7	6.7	6.3	7.3	7.0	5.0	6.7	7.0	5.3	5.0	4.7	6.1
PST-5THM	7.0	7.0	7.3	2.3	7.0	7.0	6.0	8.0	7.0	5.0	5.7	6.7	6.0	5.0	4.0	6.1
FINELAWN SUPREME (RH3)	7.0	7.0	8.0	2.3	7.0	7.0	6.0	7.7	7.0	4.7	6.3	6.7	5.3	4.7	4.3	6.1
OG-WALK	6.0	6.7	8.0	2.3	7.0	6.7	6.3	8.0	7.0	5.7	5.7	6.0	6.3	5.0	4.3	6.1
PRO GOLD	7.0	6.0	7.7	3.0	8.0	6.7	6.7	7.7	7.0	4.0	5.7	6.3	5.7	5.3	4.3	6.1
MONUMENT (PST-5SQB)	7.0	6.7	7.0	1.7	7.3	7.0	6.3	8.0	7.0	4.7	5.7	7.0	6.0	5.0	4.3	6.0
BAR FA 8228	6.7	6.3	7.7	3.0	7.3	6.7	6.0	7.0	7.0	5.7	6.3	6.3	5.3	5.0	4.3	6.0
MOONDANCE GLX	7.0	6.3	7.7	2.0	7.0	6.7	6.3	8.0	7.0	4.3	6.0	6.7	5.7	5.0	4.7	6.0
DLFPS-321/3706	7.0	7.0	8.0	2.7	6.7	7.0	5.7	8.0	6.7	4.7	6.0	6.7	5.3	4.7	4.0	6.0
K18-NSE	7.0	6.0	8.0	3.0	7.3	7.0	5.7	8.0	6.7	5.0	5.7	6.3	5.3	4.7	4.3	6.0
PST-5TRN	7.0	6.3	7.7	2.3	7.0	6.3	6.7	7.7	7.0	4.0	6.3	7.0	5.7	4.3	4.3	6.0
HELLCAT GLR (PST-5E6)	7.0	6.0	7.0	2.0	7.0	6.3	5.7	8.0	6.7	5.0	6.0	7.0	6.0	4.7	4.0	5.9
5LSS	7.0	6.0	8.0	3.3	6.7	7.0	5.7	7.3	6.0	3.7	6.0	7.0	5.0	4.7	4.0	5.8
KENTUCKY-31	5.0	3.7	5.7	2.0	6.0	4.0	5.0	4.7	5.0	1.7	4.0	6.0	3.0	4.3	3.0	4.2
LSD VALUE	0.5	0.8	0.7	1.3	1.0	0.5	1.1	0.6	0.6	2.0	1.0	0.7	0.8	0.7	0.9	0.2
C.V. (%)	4.1	7.3	5.2	32.9	8.0	4.7	10.1	4.6	5.2	21.0	9.5	6.6	8.6	9.1	11.3	9.3

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

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

TABLE 17.

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	IA1	IN1	MD1	NE1	ON1	TN1	UT1	MEAN
DLFPS-321/3694	6.3	7.7	6.3	5.3	9.0	7.3	5.0	8.3	5.7	6.8
DLFPS-321/3695	7.0	8.3	6.0	6.0	9.0	7.0	3.7	8.3	5.7	6.8
EXPANSE (PPG-TF 262)	6.0	7.3	6.0	5.3	9.0	7.3	6.0	8.3	5.7	6.8
FAYETTE	6.3	8.0	7.0	5.3	8.7	7.0	5.0	7.7	5.7	6.7
PPG-TF 231	6.0	7.3	6.7	5.3	9.0	7.0	5.7	8.0	5.7	6.7
BULLSEYE	6.0	7.3	5.7	5.7	8.7	7.0	6.7	8.3	5.0	6.7
DLFPS-321/3707	6.0	8.0	6.3	5.3	9.0	7.0	5.0	8.3	5.3	6.7
DYNAMITE G-LS (PPG-TF 254)	6.0	7.7	6.7	5.0	9.0	7.0	6.3	7.7	5.0	6.7
KENTUCKY-31	4.3	8.0	4.3	7.3	9.0	6.0	7.0	8.3	6.0	6.7
TITAN MAX (TF456)	6.3	7.7	6.7	5.3	9.0	7.0	5.3	7.7	5.3	6.7
K18-NSE	6.0	7.7	6.3	6.7	9.0	6.7	4.0	8.3	5.3	6.7
BLADERUNNER 3 (DLFPS-321/3701)	6.0	7.7	6.7	6.0	9.0	7.0	4.7	8.0	5.0	6.7
CLASH (AH1)	6.3	8.3	6.3	5.0	8.7	7.0	4.3	8.3	5.7	6.7
FIREHAWK SLT	6.0	7.7	6.0	5.3	9.0	7.0	5.7	8.0	5.3	6.7
DLFPS-321/3693	6.3	7.7	6.3	5.3	9.0	7.0	4.0	8.3	5.7	6.6
K18-WB1	6.0	7.0	5.7	6.3	9.0	7.0	5.3	7.7	5.7	6.6
KIZZLE (K18-ROE)	6.0	8.3	6.7	5.3	8.7	6.7	5.0	8.0	5.0	6.6
LIFEGUARD	6.0	8.0	6.0	5.0	8.7	6.7	6.0	8.0	5.3	6.6
PARAMOUNT	6.3	8.0	6.3	5.0	8.7	7.0	5.0	8.3	5.0	6.6
JT 517	6.0	8.3	7.0	3.7	8.7	6.7	6.3	7.7	5.0	6.6
K18-RS6	6.0	7.7	5.7	5.3	9.0	6.7	5.0	8.3	5.7	6.6
TITAN GLX (TF445)	6.0	7.7	6.0	4.7	9.0	7.0	6.0	7.7	5.3	6.6
FINELAWN SUPREME (RH3)	6.0	8.0	5.3	6.3	9.0	6.7	4.3	8.0	5.7	6.6
FIRENZA II (PPG-TF 244)	6.0	8.0	5.3	6.3	9.0	7.0	4.7	7.7	5.3	6.6
PPG-TF 249	6.0	7.0	6.7	4.7	9.0	7.0	5.3	8.0	5.3	6.6
BAR 9FE MAS	6.0	8.3	5.7	4.0	8.3	7.3	6.7	7.7	5.0	6.6
BIRMINGHAM	5.7	7.7	6.7	4.0	8.3	6.7	5.3	8.7	6.0	6.6
NATURALLY GREEN	6.3	7.0	6.7	4.0	8.3	7.0	5.7	8.0	6.0	6.6
PPG-TF 318	6.0	6.7	5.3	5.3	9.0	7.0	6.3	8.3	5.0	6.6
SERENADE (PPG-TF 320)	6.0	7.3	6.3	4.0	9.0	7.0	6.3	8.0	5.0	6.6
ESTRENA	5.7	8.0	5.7	6.3	9.0	6.7	4.0	8.0	5.3	6.5
AVENGER III (PPG-TF 308)	6.0	7.0	6.0	5.7	9.0	7.0	4.7	7.7	5.7	6.5
DLFPS-TF/3553	6.0	7.3	6.7	4.3	8.7	7.0	5.7	8.0	5.0	6.5
ESSENTIAL 2 (DLFPS-TF/3552)	5.7	7.3	7.3	5.3	8.7	6.3	4.0	8.3	5.7	6.5
GRANDE 3	6.3	8.0	6.3	5.3	8.7	7.0	4.0	7.7	5.3	6.5
OKEEFE (LTP-TF-122)	6.0	7.3	5.7	5.7	9.0	7.0	4.7	7.7	5.7	6.5
ORIOLE (PST-5BYOB)	6.0	8.0	6.3	4.7	8.7	7.0	4.7	8.0	5.3	6.5
PADRE 2	6.0	8.7	6.3	5.0	9.0	6.7	4.0	7.7	5.3	6.5
PST-5THM	5.7	7.7	6.0	4.7	9.0	7.0	4.7	8.7	5.3	6.5
ROVER (PPG-TF 306)	6.0	7.0	6.3	5.3	8.7	7.0	4.7	8.3	5.3	6.5
TRIAD (PPG-TF 323)	6.0	7.3	7.0	4.0	9.0	6.7	5.3	8.3	5.0	6.5
3B2	6.3	7.3	6.0	5.0	8.7	6.7	5.0	8.0	5.7	6.5
VALSETZ (PPG-TF 257)	6.0	6.3	7.0	5.0	9.0	7.0	5.0	7.7	5.7	6.5
COL-TF-148	6.0	6.7	6.0	5.7	9.0	7.0	4.3	8.3	5.3	6.5
DLFPS-321/3706	6.0	7.3	5.7	5.7	9.0	7.0	4.3	8.0	5.3	6.5
BONFIRE (JS DTT)	6.3	6.7	7.0	4.3	8.7	7.3	5.0	7.7	5.3	6.5

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	IA1	IN1	MD1	NE1	ON1	TN1	UT1	MEAN
DAYBREAK (AH2)	6.0	7.7	5.3	5.7	9.0	7.0	3.7	8.7	5.3	6.5
GALACTIC (SESCR1)	6.7	8.0	6.3	5.0	9.0	7.0	3.3	8.0	5.0	6.5
PPG-TF 312	6.0	8.3	4.0	6.3	9.0	7.0	4.3	7.7	5.7	6.5
RHL2	6.0	6.7	5.3	5.0	9.0	7.0	5.0	8.3	6.0	6.5
SYMPHONY (PPG-TF 305)	6.0	7.0	6.3	4.3	9.0	7.3	4.3	8.3	5.7	6.5
XANADU (JT 268)	5.7	7.0	7.3	4.3	8.7	7.0	4.7	8.3	5.3	6.5
HOUNDG NINE (DLFPS-321/3702)	6.0	7.0	6.3	4.3	8.3	7.0	6.0	7.7	5.7	6.5
PPG-TF 316	6.0	7.7	7.0	4.3	9.0	7.3	4.0	7.3	5.3	6.4
RS1	6.0	8.0	6.0	4.7	9.0	7.0	4.3	8.3	4.7	6.4
SETFM3	6.3	7.0	6.7	4.0	8.7	6.3	5.3	8.3	5.3	6.4
TOPSHELF (BGR-TF3)	6.0	7.0	7.0	4.7	8.3	6.7	5.0	8.0	5.3	6.4
ZION (BAR TF 134)	6.0	7.3	6.3	5.0	9.0	7.0	4.0	8.3	5.0	6.4
PROVIDENCE (GO-RH20)	6.0	8.3	6.0	4.0	9.0	7.0	4.0	8.0	5.3	6.4
RAPTOR III	5.7	7.3	6.7	4.7	9.0	7.0	4.0	8.0	5.3	6.4
SPYDER 2LS (ZRC1)	6.0	8.0	5.7	5.0	9.0	7.0	5.0	7.3	4.7	6.4
TALLADEGA II (NAI-3N2)	6.0	7.7	5.7	5.3	9.0	7.0	4.0	8.3	4.7	6.4
TEACHER (PPG-TF 313)	6.0	7.0	3.3	5.7	9.0	7.0	6.0	8.3	5.3	6.4
ATF2116	6.0	7.3	7.0	3.3	8.3	7.0	4.7	8.7	5.3	6.4
DLFPS-321/3703	6.0	7.3	7.7	4.0	9.0	6.7	3.7	8.0	5.3	6.4
DRAGSTER	6.0	7.0	5.7	4.3	9.0	7.0	4.7	8.3	5.7	6.4
ENDGAME (3N1)	6.0	7.0	6.7	4.7	8.7	7.0	4.7	7.7	5.3	6.4
OG-WALK	6.0	8.0	6.7	4.3	9.0	7.0	4.3	7.7	4.7	6.4
STEALTH (PPG-TF 238)	6.0	6.3	6.7	5.0	9.0	7.0	4.7	7.7	5.3	6.4
BATTLE HAWK (NAI-ROS4)	6.0	7.3	5.7	5.7	8.7	7.0	3.3	8.0	5.7	6.4
COPIOUS TF	6.0	7.3	7.0	4.0	9.0	7.0	4.3	7.3	5.3	6.4
ESCALADE	6.0	7.3	5.7	5.0	8.3	7.0	4.7	8.0	5.3	6.4
EXTRAVAGANZA (PST-5MCMO)	6.0	7.3	6.3	5.0	9.0	6.7	3.7	8.0	5.3	6.4
GLX REVIVE (PST-5GLBS)	5.7	7.0	6.3	5.3	9.0	7.0	5.0	7.7	4.3	6.4
GRANDER (PPG-TF 267)	6.0	7.3	6.7	4.0	8.7	7.0	4.7	8.0	5.0	6.4
MOONDANCE GLX	6.0	7.0	6.3	5.0	8.7	6.7	4.3	8.0	5.3	6.4
CAPITAN (DLFPS-321/3705)	6.0	7.7	6.0	4.7	9.0	7.3	4.0	8.0	4.3	6.3
FALCON SUPREME (RH1)	5.7	8.3	6.0	5.7	9.0	7.0	3.0	8.0	4.3	6.3
RC4	6.0	6.7	6.3	4.7	9.0	7.0	4.3	7.7	5.3	6.3
SR 8700 (TMT1)	6.0	7.7	6.3	4.7	7.7	7.0	4.0	8.3	5.3	6.3
BENTLEY (DLFPS-321/3679)	6.0	7.0	6.0	5.3	8.7	7.0	4.0	8.3	4.7	6.3
DLFPS-321/3708	5.7	6.3	7.0	5.3	8.7	7.3	4.3	7.7	4.7	6.3
HELLCAT GLR (PST-5E6)	6.0	8.3	6.0	4.3	9.0	7.0	3.7	7.7	5.0	6.3
PPG-TF 337	6.0	6.7	5.3	5.0	9.0	7.0	5.0	8.0	5.0	6.3
PST-5GQ	5.7	7.7	6.7	5.0	8.7	6.7	3.3	8.0	5.3	6.3
TITANIUM G-LS (PPG-TF 255)	6.0	6.7	6.7	5.0	9.0	7.0	3.7	7.3	5.7	6.3
DEGAS (LTP-TF-111)	6.0	7.3	5.3	5.3	9.0	6.7	4.0	7.7	5.7	6.3
GALLARDO (DLFPS-TF/3550)	6.3	7.0	6.7	4.3	9.0	6.7	3.7	8.3	5.0	6.3
5LSS	6.0	7.7	5.0	5.7	8.7	6.3	3.3	8.7	5.3	6.3
AST8218LM	6.0	7.7	7.0	3.7	8.0	6.7	4.0	8.3	5.3	6.3
LBF	6.0	6.7	6.7	3.7	9.0	7.0	4.0	8.3	5.3	6.3
PALOMAR	5.7	8.0	6.0	4.0	8.7	7.0	3.7	8.3	5.3	6.3
RHF	5.7	6.7	5.7	5.7	9.0	6.7	4.7	7.3	5.3	6.3

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	DE1	IA1	IN1	MD1	NE1	ON1	TN1	UT1	MEAN
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.7	7.0	4.7	8.7	7.0	3.7	8.0	5.0	6.3
MONUMENT (PST-5SQB)	6.0	7.7	5.7	5.0	9.0	7.0	3.7	7.7	5.0	6.3
RAPTOR LS (PPG-TF 336)	6.3	7.0	6.0	5.3	9.0	6.7	3.0	8.0	5.3	6.3
TD2	6.3	6.3	6.0	4.3	9.0	6.7	4.7	8.3	5.0	6.3
RDC	6.0	7.7	6.0	4.7	9.0	7.0	3.3	7.3	5.3	6.3
BAR-FA8230	5.7	7.3	5.3	4.3	8.3	7.0	5.0	8.3	5.0	6.3
HEMI	6.0	6.7	6.3	4.7	9.0	7.0	4.0	8.0	4.7	6.3
PST-5DZM	6.0	7.0	6.7	4.3	8.3	6.7	4.0	8.0	5.3	6.3
TANK (PPG-TF 338)	5.7	7.0	7.0	4.3	8.7	6.3	4.0	8.0	5.3	6.3
ATF1768	5.7	6.7	6.7	3.7	8.7	6.7	5.7	8.0	4.7	6.3
BULLSEYE LTZ	6.0	7.0	6.3	5.0	9.0	7.0	3.0	8.0	5.0	6.3
JT 233	6.0	6.3	6.3	4.3	8.3	7.0	4.0	8.3	5.7	6.3
PRO GOLD	5.7	7.7	5.3	5.3	9.0	6.7	3.7	8.3	4.7	6.3
TANGO	6.0	7.0	6.3	4.0	8.3	6.7	4.7	8.0	5.3	6.3
FASTLANE (BY-TF-169)	6.0	7.7	5.3	5.3	9.0	6.3	3.0	8.0	5.3	6.2
NAI-ST5	6.0	6.7	6.3	4.0	8.7	6.7	4.3	8.0	5.3	6.2
NT-3	6.0	7.0	6.3	4.0	8.0	7.0	4.3	8.0	5.3	6.2
RACEWAY (DLFPS-321/3696)	5.7	6.7	6.3	4.0	8.3	7.0	4.7	8.0	5.3	6.2
RAD-TF105	6.0	6.7	7.0	3.7	8.7	6.7	3.7	8.3	5.3	6.2
ROWDIER (DLFPS-321/3699)	5.7	6.7	7.3	4.3	8.3	6.7	4.0	7.7	5.3	6.2
PST-5MINK	5.3	6.7	6.7	4.3	7.7	6.3	5.0	8.3	5.3	6.2
PST-5TRN	5.3	7.3	6.3	4.0	9.0	6.7	4.7	8.0	4.3	6.2
SE5STAR	5.7	7.0	6.3	4.3	8.7	6.7	4.0	7.7	5.3	6.2
BRAVO 2	5.3	7.3	6.7	3.3	8.3	7.0	4.7	7.7	5.0	6.1
BANDIT	5.7	7.0	6.0	3.7	9.0	7.0	4.3	7.3	5.0	6.1
GRAND PRIX (FC15-01P)	5.7	7.7	6.3	4.7	8.3	7.0	3.0	7.3	5.0	6.1
GLX ACED (PST-5DART)	5.7	7.7	5.7	5.0	9.0	6.7	2.7	7.3	5.3	6.1
NAI-FQZ-17	6.0	7.0	6.7	3.3	8.0	7.3	2.7	8.3	5.3	6.1
SETFM2	5.7	7.0	6.7	3.0	8.3	6.7	3.7	8.3	5.3	6.1
TOUGH (NAI-TUE)	5.7	7.0	6.7	4.0	8.7	7.0	2.7	7.7	5.3	6.1
AST8118LM	6.0	6.7	7.0	3.0	8.0	6.7	3.3	8.0	5.7	6.0
BAR FA 8228	6.0	8.0	6.3	3.7	8.7	6.7	3.0	7.7	4.3	6.0
FAIRFIELD (SETF104)	6.0	6.7	6.7	4.3	8.3	6.7	3.0	8.0	4.7	6.0
GRO-PRO (SE53D2)	5.3	6.7	6.3	4.0	8.0	6.7	3.3	8.3	5.3	6.0
A-TF31	5.7	7.3	6.7	3.7	8.7	6.3	2.7	8.0	4.7	6.0
PST-5DC24	5.7	6.0	7.0	3.3	8.0	7.0	3.7	7.7	5.3	6.0
RAD-TF131	6.0	7.0	7.3	3.0	8.7	7.0	2.7	7.7	4.3	6.0
RAD-TF115 (TURBO SS)	5.3	6.7	7.3	3.7	8.0	7.0	2.3	7.7	4.0	5.8
LAFAYETTE (GO-AOMK)	5.3	6.0	7.0	3.0	7.7	6.3	2.3	8.0	5.0	5.6
LSD VALUE	0.6	1.3	1.1	1.2	0.7	0.6	2.3	1.0	1.2	0.4
C.V. (%)	6.0	11.1	11.4	15.5	4.8	5.8	32.9	7.6	14.6	11.9

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

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

TABLE 18.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/													MEAN
	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	TN1	UT1	
DAYBREAK (AH2)	7.0	7.0	9.0	6.3	6.0	6.3	8.0	7.3	8.7	6.0	8.0	7.7	5.7	7.2
PPG-TF 312	7.0	8.0	9.0	6.3	7.0	5.7	7.3	7.0	7.7	6.3	8.0	6.7	7.0	7.2
5LSS	7.0	7.7	9.0	7.3	7.3	6.7	7.7	6.3	7.3	6.0	8.0	6.3	6.0	7.1
DLFPS-TF/3553	7.0	7.3	8.7	7.3	6.3	7.0	7.7	7.0	7.0	6.0	7.7	7.3	5.7	7.1
K18-NSE	7.0	7.3	9.0	7.3	6.3	6.3	8.0	7.0	6.7	6.0	7.7	6.7	6.3	7.1
XANADU (JT 268)	7.0	7.3	9.0	7.0	6.0	6.7	7.7	6.7	7.7	6.0	7.0	7.7	5.7	7.0
PPG-TF 316	6.7	7.0	9.0	6.7	6.0	7.0	8.0	7.0	7.3	6.0	7.0	7.3	6.0	7.0
RHL2	7.0	7.0	9.0	7.3	6.0	7.0	7.7	7.0	7.7	6.0	7.0	6.3	6.0	7.0
GALACTIC (SESCR1)	7.0	6.7	9.0	6.3	6.0	6.7	8.0	6.3	7.7	6.0	7.7	7.3	5.7	6.9
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.3	8.7	6.7	6.7	6.7	7.3	6.7	6.3	6.0	7.3	7.3	6.0	6.9
DLFPS-321/3708	6.7	7.0	9.0	6.7	5.7	7.0	7.3	7.0	7.3	6.0	7.3	7.0	6.0	6.9
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	9.0	7.0	6.3	6.7	7.3	6.7	7.0	6.3	6.7	7.3	5.7	6.9
K18-RS6	7.0	7.0	8.3	6.0	6.3	7.0	7.7	6.7	8.0	6.3	7.3	6.7	5.7	6.9
RHF	7.0	7.7	8.0	6.3	6.3	6.7	6.7	7.0	7.3	6.0	7.3	7.7	6.0	6.9
TEACHER (PPG-TF 313)	7.0	7.3	9.0	7.0	6.7	6.3	7.0	6.3	7.3	6.0	7.7	6.3	6.0	6.9
ZION (BAR TF 134)	7.0	7.3	9.0	6.3	5.7	7.0	7.0	7.3	6.7	6.0	7.7	7.0	6.0	6.9
TD2	7.0	7.7	9.0	6.3	6.0	7.0	7.3	6.3	7.0	6.3	7.0	6.7	6.0	6.9
CLASH (AH1)	7.0	7.0	9.0	5.3	6.3	6.7	7.3	7.3	8.0	6.3	7.3	6.7	5.3	6.9
SPYDER 2LS (ZRC1)	7.0	7.0	9.0	6.7	6.7	6.7	7.3	6.7	7.7	6.0	7.3	6.3	5.3	6.9
PPG-TF 337	7.0	7.0	9.0	6.3	6.0	6.7	7.3	7.3	6.7	6.0	7.0	7.0	6.0	6.9
EXPANSE (PPG-TF 262)	7.0	7.0	9.0	6.3	5.3	6.7	7.7	7.0	8.0	6.3	7.3	6.3	5.3	6.9
SR 8700 (TMT1)	7.0	7.0	9.0	6.3	6.0	6.7	7.0	6.7	7.7	6.0	7.0	8.0	5.0	6.9
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	9.0	6.0	5.7	7.0	8.0	7.3	6.7	6.0	7.3	7.0	5.3	6.9
DLFPS-321/3707	7.0	6.7	9.0	6.0	5.7	6.7	7.7	7.3	7.3	6.0	7.3	6.7	5.7	6.8
STEALTH (PPG-TF 238)	7.0	7.0	9.0	6.0	6.0	7.0	7.3	7.0	7.3	6.0	7.0	6.7	5.7	6.8
TRIAD (PPG-TF 323)	7.0	6.3	9.0	6.7	6.0	6.3	7.3	6.3	7.3	6.0	7.7	7.3	5.7	6.8
DLFPS-321/3693	7.0	6.7	9.0	6.7	6.0	6.7	6.3	7.0	7.7	6.3	7.3	6.3	6.0	6.8
TANK (PPG-TF 338)	6.7	7.3	9.0	7.0	6.3	6.7	7.7	7.0	6.0	6.0	7.3	6.7	5.3	6.8
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.3	9.0	6.7	6.0	7.0	7.3	7.0	6.3	6.0	6.7	7.0	5.7	6.8
RS1	7.0	6.7	9.0	6.0	5.7	6.7	7.3	7.3	8.3	6.0	6.7	6.3	5.7	6.8
DRAGSTER	7.0	7.0	9.0	6.7	5.7	6.0	6.7	7.0	7.7	6.0	7.3	7.0	5.7	6.8
HOUND DOG NINE (DLFPS-321/3702)	7.0	7.0	9.0	6.3	6.3	6.7	7.0	6.7	7.0	6.0	7.3	7.0	5.3	6.8
DLFPS-321/3694	6.7	6.7	9.0	6.7	5.7	6.0	5.7	7.0	8.7	6.0	8.0	6.7	5.7	6.8
TITAN GLX (TF445)	7.0	7.3	9.0	6.0	6.0	7.0	7.3	6.7	7.0	6.0	6.7	6.7	5.7	6.8
BONFIRE (JS DTT)	7.0	6.7	9.0	6.3	6.0	6.7	6.7	7.0	8.3	6.0	6.7	6.7	5.3	6.8
BULLSEYE LTZ	7.0	7.3	9.0	7.0	6.0	6.3	7.7	7.0	6.7	5.3	7.3	6.0	5.7	6.8
DEGAS (LTP-TF-111)	7.0	7.0	9.0	6.3	6.3	6.7	7.0	7.0	6.3	6.0	7.3	6.7	5.7	6.8
K18-WB1	7.0	7.0	9.0	6.3	6.0	6.3	7.3	7.0	6.7	6.0	7.0	7.0	5.7	6.8
RC4	7.0	7.0	9.0	5.3	5.7	6.0	7.3	7.0	8.0	6.3	7.3	6.3	6.0	6.8
ROVER (PPG-TF 306)	7.0	7.3	9.0	6.3	6.0	6.3	8.0	6.3	6.7	6.0	7.3	6.7	5.3	6.8
VALSETZ (PPG-TF 257)	7.0	7.0	9.0	6.3	5.3	6.0	7.7	7.0	7.3	6.0	7.7	6.3	5.7	6.8
TITAN MAX (TF456)	7.0	7.3	9.0	6.0	6.3	6.7	7.3	7.0	7.0	5.7	7.3	6.3	5.0	6.8
RAPTOR LS (PPG-TF 336)	7.0	7.0	9.0	6.7	6.3	6.0	6.7	7.0	6.7	6.0	7.0	6.7	5.7	6.7
RDC	7.0	7.0	9.0	7.0	5.7	6.7	7.3	7.0	6.3	6.0	7.3	6.0	5.3	6.7
NT-3	7.0	7.0	9.0	6.0	5.3	6.3	7.3	7.0	6.7	6.0	7.7	6.3	5.7	6.7
PROVIDENCE (GO-RH20)	7.0	7.0	9.0	5.7	6.0	7.0	7.3	6.7	7.0	6.3	6.7	6.7	5.0	6.7

TABLE 18.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/													MEAN
	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	TN1	UT1	
CAPITAN (DLFPS-321/3705)	6.7	7.0	9.0	6.7	6.0	6.7	7.0	6.7	7.3	6.0	6.7	6.3	5.3	6.7
GRANDER (PPG-TF 267)	7.0	7.0	9.0	7.0	5.7	6.7	7.0	6.7	6.0	6.0	7.3	7.0	5.0	6.7
COL-TF-148	7.3	7.3	9.0	5.7	6.0	6.7	6.0	7.0	7.0	6.0	7.0	6.7	5.3	6.7
DLFPS-321/3706	7.0	7.0	9.0	6.3	6.0	6.3	7.3	6.7	6.7	6.0	6.7	6.0	6.0	6.7
NAI-ST5	7.0	7.0	9.0	6.0	5.7	6.7	6.7	6.7	7.0	6.0	7.0	6.7	5.7	6.7
PPG-TF 318	7.0	7.3	9.0	6.3	5.7	6.0	7.0	6.7	8.0	6.0	7.0	6.0	5.0	6.7
SYMPHONY (PPG-TF 305)	7.0	7.0	9.0	6.0	6.0	6.3	7.0	6.7	7.0	6.0	6.7	6.3	6.0	6.7
DYNAMITE G-LS (PPG-TF 254)	7.0	7.0	9.0	6.7	5.3	7.0	6.0	7.0	7.0	6.3	7.3	6.0	5.3	6.7
FIRENZA II (PPG-TF 244)	7.0	6.3	9.0	6.0	6.3	7.0	7.3	6.7	6.3	6.0	7.0	6.3	5.3	6.7
PPG-TF 249	7.0	6.3	9.0	6.7	6.0	6.0	6.3	7.0	6.7	6.0	7.3	7.0	5.3	6.7
FIREHAWK SLT	7.0	6.3	9.0	6.3	6.0	6.0	6.0	6.7	6.7	6.0	7.7	7.0	5.7	6.6
SERENADE (PPG-TF 320)	6.7	7.7	9.0	6.3	5.0	6.3	6.7	7.0	6.7	6.0	7.0	6.7	5.3	6.6
AVENGER III (PPG-TF 308)	7.0	7.3	9.0	6.3	6.3	6.3	7.3	6.7	5.7	6.0	7.0	6.3	5.0	6.6
DLFPS-321/3695	6.7	6.7	9.0	5.7	5.3	6.3	6.0	7.0	7.3	6.0	7.7	7.3	5.3	6.6
ESTRENA	7.0	7.3	9.0	6.7	6.7	6.0	6.3	6.7	6.0	6.0	7.0	6.0	5.7	6.6
OKEEFE (LTP-TF-122)	7.3	7.7	8.3	5.7	5.3	6.3	6.3	7.3	6.0	5.7	7.3	7.0	5.7	6.6
FASTLANE (BY-TF-169)	6.7	7.0	9.0	6.3	6.0	6.7	6.3	6.7	6.7	6.0	6.7	6.3	5.7	6.6
PARAMOUNT	7.0	6.7	9.0	7.0	5.7	6.3	6.7	6.7	6.0	6.0	7.0	6.7	5.3	6.6
BATTLE HAWK (NAI-ROS4)	7.0	7.0	8.7	6.0	6.0	6.3	6.7	6.3	6.7	5.7	7.0	7.3	5.3	6.6
GALLARDO (DLFPS-TF/3550)	6.7	6.3	8.3	6.0	5.7	6.7	7.0	7.0	7.3	6.0	7.3	6.3	5.3	6.6
FALCON SUPREME (RH1)	7.0	7.0	9.0	6.0	5.7	6.3	7.0	6.3	6.0	6.0	7.0	6.7	5.3	6.6
RAPTOR III	7.0	7.0	9.0	6.3	6.0	6.7	6.3	6.7	7.0	5.7	7.0	5.7	5.0	6.6
FINELAWN SUPREME (RH3)	6.7	6.3	9.0	6.7	5.7	5.7	6.7	7.0	6.0	6.0	7.0	6.7	5.7	6.5
PPG-TF 231	7.0	7.0	9.0	6.0	6.3	6.3	6.3	6.7	5.3	6.0	7.0	7.0	5.0	6.5
ROWDIER (DLFPS-321/3699)	7.0	7.0	9.0	5.7	6.3	6.3	6.3	6.7	6.0	5.7	6.7	6.7	5.3	6.5
FAIRFIELD (SETF104)	7.0	7.0	9.0	5.3	5.3	7.0	6.3	7.0	6.0	5.7	7.0	6.7	5.0	6.5
GLX ACED (PST-5DART)	7.0	6.3	9.0	5.7	5.3	6.0	7.0	6.3	7.0	6.0	7.0	6.7	5.0	6.5
BENTLEY (DLFPS-321/3679)	6.7	6.7	9.0	6.3	5.3	6.7	5.7	7.0	6.0	5.7	6.7	7.0	5.3	6.5
GRANDE 3	7.0	7.0	9.0	5.7	5.7	6.0	6.3	6.3	6.7	6.0	7.0	6.3	5.0	6.5
RAD-TF105	7.0	6.3	9.0	5.7	6.0	6.3	6.3	6.0	7.3	5.7	7.0	6.3	5.0	6.5
LIFEGUARD	6.7	6.7	9.0	6.3	5.3	5.7	6.7	6.7	7.0	5.7	6.0	7.0	5.3	6.5
EXTRAVAGANZA (PST-5MCMO)	7.0	6.0	9.0	5.7	5.7	6.3	7.0	6.3	6.3	6.0	7.0	6.0	5.3	6.4
RACEWAY (DLFPS-321/3696)	7.0	6.3	9.0	6.0	5.7	6.7	6.3	6.7	6.3	6.0	6.7	6.0	5.0	6.4
A-TF31	7.0	6.3	9.0	6.3	5.7	5.3	6.7	6.7	4.7	5.7	7.3	6.7	6.0	6.4
HEMI	7.0	6.3	9.0	5.0	5.7	6.7	6.7	6.3	6.3	6.0	7.3	6.0	5.0	6.4
LAFAYETTE (GO-AOMK)	6.7	6.3	9.0	6.0	6.3	6.0	6.3	7.0	4.3	5.7	7.0	7.0	5.3	6.4
ENDGAME (3N1)	6.7	6.0	9.0	6.3	6.0	6.0	6.0	6.7	5.3	5.7	7.0	7.3	5.0	6.4
PST-5DZM	7.0	6.0	9.0	5.0	6.0	6.0	6.7	6.0	5.3	6.0	7.0	7.0	5.3	6.3
DLFPS-321/3703	7.0	6.3	9.0	5.7	6.0	6.3	6.3	5.7	5.0	5.7	7.0	6.3	5.7	6.3
PADRE 2	7.0	6.7	9.0	6.0	5.7	6.7	6.7	6.0	5.0	6.0	7.0	5.7	4.7	6.3
PST-5GQ	7.0	6.0	9.0	5.7	5.7	6.7	7.0	6.0	5.0	5.7	6.7	7.0	4.7	6.3
HELLCAT GLR (PST-5E6)	7.0	6.7	9.0	5.7	5.3	5.7	7.3	6.0	5.7	5.7	6.7	6.7	4.3	6.3
JT 233	7.0	7.0	9.0	5.7	5.0	6.3	5.7	6.3	5.0	6.0	7.0	6.7	5.0	6.3
PST-5THM	7.0	6.0	9.0	5.3	5.0	6.7	7.3	6.7	5.3	6.0	6.3	6.7	4.3	6.3
COPIOUS TF	7.0	6.3	9.0	5.7	5.0	6.3	5.3	6.7	5.3	5.7	7.0	6.7	5.3	6.3
GLX REVIVE (PST-5GLBS)	7.0	6.0	8.7	5.0	5.3	6.3	7.0	6.7	6.3	5.3	6.3	6.7	4.7	6.3
RAD-TF115 (TURBO SS)	6.7	6.7	9.0	4.7	5.3	7.0	5.3	7.0	5.0	5.7	7.0	7.0	5.0	6.3

TABLE 18.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/													MEAN
	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	NJ2	OK1	ON1	TN1	UT1	
TOUGH (NAI-TUE)	7.0	7.0	9.0	5.0	6.0	7.0	5.7	6.3	4.3	5.7	7.0	6.7	4.7	6.3
JT 517	7.0	6.3	8.7	5.3	5.3	5.7	6.0	7.0	5.0	5.7	7.3	7.0	5.0	6.3
SETFM2	6.7	7.0	9.0	6.0	5.7	7.0	6.0	6.0	4.3	5.3	6.7	6.3	5.0	6.2
3B2	6.7	6.7	8.7	6.0	5.3	6.0	6.7	6.7	5.0	6.0	6.3	6.0	4.7	6.2
KIZZLE (K18-ROE)	6.7	7.0	8.7	5.7	5.0	6.3	6.3	6.7	3.7	6.0	7.0	6.7	5.0	6.2
RAD-TF131	7.0	6.3	9.0	4.3	5.7	6.7	5.3	6.3	5.0	5.7	7.0	6.7	5.7	6.2
SETFM3	7.0	6.0	9.0	5.7	5.3	6.0	6.3	6.7	5.3	5.7	6.7	6.0	5.0	6.2
ATF1768	6.7	6.7	9.0	6.3	5.0	6.0	5.7	6.3	5.0	5.3	6.7	6.3	5.0	6.2
FAYETTE	7.0	6.0	9.0	5.7	5.7	6.0	6.0	6.7	5.7	5.7	6.0	5.7	5.0	6.2
PST-5DC24	6.7	6.0	9.0	5.7	5.0	6.0	6.7	7.0	4.3	5.3	6.3	7.0	5.0	6.2
MONUMENT (PST-5SQB)	6.7	5.7	9.0	5.3	4.7	5.7	6.0	6.0	5.7	6.0	7.0	7.0	5.0	6.1
BULLSEYE	6.7	6.0	9.0	5.0	5.0	6.7	6.0	6.7	4.7	6.0	7.3	5.7	4.7	6.1
PST-5TRN	7.0	6.3	9.0	5.0	5.0	6.3	7.3	6.0	4.3	6.0	6.3	6.3	4.3	6.1
TALLADEGA II (NAI-3N2)	7.0	6.3	9.0	6.0	5.7	5.7	6.0	6.0	3.7	6.0	6.7	6.0	5.0	6.1
GRO-PRO (SE53D2)	6.7	6.3	9.0	5.7	5.0	6.3	5.3	6.3	4.3	6.0	6.7	6.7	4.3	6.1
ATF2116	6.7	6.3	9.0	5.0	5.3	6.3	6.0	6.3	4.0	5.7	6.7	6.3	5.0	6.1
MOONDANCE GLX	6.7	5.7	9.0	6.0	5.7	6.0	6.3	6.7	4.0	5.7	6.3	6.7	4.0	6.1
PST-5MINK	6.7	6.3	9.0	5.7	5.3	6.0	5.7	6.0	4.3	5.3	6.3	7.3	4.7	6.1
TANGO	7.0	6.0	9.0	4.7	5.0	6.3	6.3	6.3	4.7	5.7	6.7	6.7	4.3	6.1
PRO GOLD	7.0	6.0	9.0	6.3	5.7	6.0	6.0	6.7	2.7	6.0	6.3	6.7	4.3	6.1
BIRMINGHAM	6.7	6.7	9.0	5.0	5.3	6.0	6.0	6.0	4.0	5.0	7.0	6.3	4.7	6.0
SE5STAR	7.0	6.0	9.0	5.7	4.7	6.0	5.7	6.3	3.7	5.7	6.7	6.3	4.7	5.9
BAR 9FE MAS	6.7	5.7	9.0	5.3	6.0	5.7	4.7	6.3	3.0	5.7	6.7	7.3	5.0	5.9
BANDIT	6.7	6.7	9.0	5.3	4.7	5.7	5.3	6.0	3.7	5.7	6.7	6.3	5.0	5.9
TOPSHELF (BGR-TF3)	6.3	6.3	9.0	6.3	5.3	5.7	5.0	6.7	3.3	5.3	6.3	6.7	4.3	5.9
LBF	6.7	6.0	9.0	5.0	4.3	6.0	5.7	7.0	3.0	5.3	6.7	6.7	5.0	5.9
GRAND PRIX (FC15-01P)	6.7	6.3	9.0	5.7	5.0	6.0	5.7	6.0	3.3	5.0	6.3	6.7	4.3	5.8
ORIOLE (PST-5BYOB)	6.3	6.3	9.0	5.3	4.7	6.0	6.7	6.3	3.7	5.3	6.3	6.3	3.7	5.8
AST8118LM	6.7	6.3	9.0	4.7	5.0	5.7	5.3	6.3	2.7	5.7	6.7	7.0	4.7	5.8
NATURALLY GREEN	6.3	6.3	9.0	4.7	4.7	6.7	4.7	6.3	4.3	5.3	6.3	6.0	5.0	5.8
AST8218LM	6.3	5.7	8.7	5.0	5.0	6.7	5.0	6.3	4.7	5.7	6.0	6.3	4.3	5.8
BRAVO 2	6.7	6.7	9.0	5.0	4.7	5.7	5.7	6.7	2.3	5.7	6.7	6.3	4.7	5.8
BAR-FA8230	7.0	6.3	9.0	4.3	4.7	6.0	5.3	6.7	3.7	5.3	6.0	6.3	4.7	5.8
NAI-FQZ-17	6.7	5.7	9.0	5.0	5.0	5.7	5.7	6.0	3.3	5.0	6.7	6.7	4.3	5.7
ESCALADE	6.3	5.7	8.0	4.3	4.3	5.7	5.0	6.7	3.3	5.0	6.7	6.7	4.3	5.5
OG-WALK	6.0	5.3	9.0	4.7	4.7	5.7	4.3	6.0	3.0	5.3	6.3	5.7	4.0	5.4
BAR FA 8228	6.7	5.0	8.7	4.3	4.0	5.7	4.7	6.3	2.7	5.0	6.3	6.0	4.0	5.3
PALOMAR	6.0	6.0	9.0	4.3	4.0	5.3	4.7	5.3	3.0	4.7	5.7	6.0	3.3	5.2
KENTUCKY-31	5.0	3.7	9.0	3.0	2.0	5.0	3.7	5.0	1.3	4.0	5.3	5.3	2.0	4.2
LSD VALUE	0.5	0.9	0.5	0.9	1.0	0.9	1.1	0.9	1.7	0.6	0.9	1.4	0.8	0.3
C.V. (%)	4.8	8.7	3.5	9.7	11.1	9.2	10.1	8.1	17.8	6.5	7.9	13.5	9.3	9.5

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

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

TABLE 19.

 SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
 2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									
	CT1	DE1	IA1	NC1	NE1	OK1	ON1	TN1	VA1	MEAN
PPG-TF 231	7.0	7.0	7.7	7.0	7.0	6.7	7.3	6.0	8.0	7.1
JT 517	7.0	7.0	8.0	6.0	7.0	6.7	7.3	6.3	7.7	7.0
DLFPS-321/3707	6.7	7.0	5.0	8.0	7.0	6.3	7.0	6.0	8.0	6.8
RC4	6.7	7.3	4.3	7.0	7.0	6.7	7.3	6.3	8.0	6.7
SPYDER 2LS (ZRC1)	7.0	7.3	5.3	7.3	6.7	6.7	7.3	5.3	7.7	6.7
TITAN MAX (TF456)	7.0	7.0	5.0	7.3	7.0	6.7	7.3	6.0	7.3	6.7
STEALTH (PPG-TF 238)	7.3	7.3	3.7	8.0	6.7	6.3	7.3	6.3	7.3	6.7
DLFPS-321/3708	7.0	6.7	5.3	6.3	7.0	7.0	7.0	6.0	8.0	6.7
K18-RS6	6.7	7.3	4.0	7.7	7.0	7.0	7.3	5.7	7.3	6.7
BULLSEYE LTZ	7.0	7.3	3.0	8.0	7.0	7.0	7.0	5.3	8.3	6.7
DLFPS-321/3693	7.0	7.0	5.3	6.3	7.0	7.0	7.0	5.3	8.0	6.7
3B2	6.3	7.3	5.3	6.7	7.0	6.3	7.7	5.3	7.7	6.6
GALACTIC (SESCR1)	7.0	7.0	5.3	8.0	7.0	7.0	6.3	5.0	7.0	6.6
K18-WB1	6.7	6.7	5.0	7.7	7.0	6.3	7.0	5.7	7.7	6.6
RHL2	7.0	7.3	4.0	8.0	7.0	6.3	7.0	5.0	8.0	6.6
SR 8700 (TMT1)	7.0	6.7	5.3	7.0	7.0	6.7	6.3	5.7	8.0	6.6
TITANIUM G-LS (PPG-TF 255)	6.3	7.0	4.0	7.7	7.0	6.7	6.7	6.3	8.0	6.6
BONFIRE (JS DTT)	7.3	7.0	5.0	7.0	7.0	7.0	6.7	5.0	7.7	6.6
FALCON SUPREME (RH1)	6.3	7.0	5.7	7.7	7.0	6.3	6.3	5.7	7.3	6.6
KIZZLE (K18-ROE)	7.0	7.0	4.7	7.0	7.0	6.7	7.3	5.3	7.3	6.6
RDC	7.0	7.0	6.3	6.7	7.0	6.3	6.3	5.3	7.3	6.6
DAYBREAK (AH2)	7.3	7.3	4.3	8.0	7.0	6.3	7.0	4.3	7.7	6.6
FAIRFIELD (SETF104)	6.7	6.7	7.7	6.7	7.0	6.7	6.7	4.3	7.0	6.6
PROVIDENCE (GO-RH20)	6.7	7.7	4.3	7.7	6.7	6.7	7.0	5.3	7.3	6.6
5LSS	7.3	8.0	2.7	7.3	7.0	6.7	7.0	4.7	8.7	6.6
DYNAMITE G-LS (PPG-TF 254)	6.7	7.3	4.7	6.3	7.0	6.7	7.7	5.7	7.3	6.6
EXTRAVAGANZA (PST-5MCMO)	6.3	6.7	7.3	7.0	7.0	6.0	6.7	5.3	7.0	6.6
OKEEFE (LTP-TF-122)	7.3	7.7	4.3	6.3	7.0	6.7	6.7	5.7	7.7	6.6
PPG-TF 316	6.3	7.3	4.0	7.7	7.0	7.0	6.7	5.3	8.0	6.6
XANADU (JT 268)	7.0	7.3	3.0	8.0	7.0	6.7	7.0	5.7	7.7	6.6
CLASH (AH1)	7.0	7.3	5.0	7.3	7.0	7.0	6.0	5.3	7.0	6.6
TITAN GLX (TF445)	6.7	7.3	3.3	7.3	7.0	6.3	7.0	6.0	8.0	6.6
COL-TF-148	7.7	7.3	6.0	5.3	7.0	6.0	7.3	4.7	7.7	6.6
RAPTOR III	7.0	7.3	4.3	6.3	7.0	6.7	7.7	5.0	7.7	6.6
ROWDIER (DLFPS-321/3699)	7.3	6.7	4.3	6.3	7.0	6.7	6.7	6.3	7.7	6.6
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.7	2.7	8.0	7.0	6.7	6.3	6.3	8.0	6.5
BULLSEYE	6.7	5.0	6.7	6.3	7.0	6.0	8.0	5.7	7.3	6.5
CAPITAN (DLFPS-321/3705)	6.7	7.7	3.0	8.0	7.0	6.3	7.0	5.3	7.7	6.5
AVENGER III (PPG-TF 308)	7.0	7.0	4.7	7.0	7.0	6.7	7.7	4.0	7.7	6.5
DLFPS-321/3695	7.0	6.7	5.7	7.0	6.7	6.7	7.0	4.7	7.3	6.5
EXPANSE (PPG-TF 262)	6.7	6.7	4.3	7.3	7.0	6.0	7.3	5.7	7.7	6.5
HELLCAT GLR (PST-5E6)	6.3	7.0	6.3	6.7	7.0	6.0	6.3	6.0	7.0	6.5
NAI-ST5	6.7	7.0	5.7	6.7	7.0	6.7	7.0	4.7	7.3	6.5
PST-5THM	6.7	6.3	5.7	7.3	7.0	6.0	7.0	5.7	7.0	6.5
PST-5TRN	6.3	6.3	4.3	7.3	7.0	6.7	7.0	5.7	8.0	6.5
RHF	6.3	8.0	3.7	7.0	7.0	6.3	7.7	4.7	8.0	6.5

TABLE 19.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									
	CT1	DE1	IA1	NC1	NE1	OK1	ON1	TN1	VA1	MEAN
PPG-TF 312	7.0	8.0	4.0	6.7	7.0	6.3	6.3	5.0	8.0	6.5
ROVER (PPG-TF 306)	7.0	6.7	2.7	8.0	7.0	6.3	7.3	5.3	8.0	6.5
PST-5DC24	6.7	6.7	6.0	6.7	7.0	6.0	6.7	5.3	7.3	6.5
TD2	7.0	7.7	2.7	7.7	7.0	6.3	6.7	5.3	8.0	6.5
TOUGH (NAI-TUE)	6.3	6.7	6.7	6.7	7.0	5.7	7.0	5.0	7.3	6.5
DLFPS-TF/3553	7.0	7.3	3.3	7.0	7.0	6.7	7.0	5.0	8.0	6.5
RAD-TF105	6.7	7.0	5.3	6.7	7.0	6.0	7.3	4.7	7.3	6.4
VALSETZ (PPG-TF 257)	6.7	6.7	3.7	7.7	7.0	7.0	7.0	5.0	7.3	6.4
SERENADE (PPG-TF 320)	6.7	6.3	3.0	7.3	7.0	6.7	7.7	5.3	8.0	6.4
ENDGAME (3N1)	7.0	6.7	4.3	6.7	6.7	6.7	7.7	4.7	7.7	6.4
DLFPS-321/3694	6.7	6.7	5.0	6.7	7.0	6.3	6.3	5.3	7.7	6.4
GRANDE 3	6.7	7.0	5.7	6.0	7.0	6.0	7.0	5.0	7.3	6.4
MONUMENT (PST-5SQB)	6.7	6.7	6.7	6.0	7.0	6.0	6.0	6.3	6.3	6.4
NT-3	7.0	7.3	3.0	7.0	7.0	6.7	6.3	5.0	8.3	6.4
RS1	7.0	7.7	2.7	8.0	7.0	6.3	7.0	4.3	7.7	6.4
ATF1768	6.3	7.0	3.3	7.3	7.0	5.7	7.3	6.0	7.7	6.4
BENTLEY (DLFPS-321/3679)	6.7	6.7	5.3	5.7	7.0	6.7	7.3	5.7	6.7	6.4
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.3	2.3	6.7	7.0	7.0	7.0	5.3	8.0	6.4
PPG-TF 318	7.0	7.0	4.0	7.3	7.0	6.3	7.0	4.3	7.7	6.4
PPG-TF 337	7.0	7.7	4.0	7.3	7.0	6.0	7.0	3.7	8.0	6.4
RAPTOR LS (PPG-TF 336)	7.0	7.3	4.7	6.3	7.0	6.0	6.7	5.3	7.3	6.4
K18-NSE	7.3	7.7	2.7	7.3	7.0	6.7	6.7	4.7	7.7	6.4
HOUNDG NINE (DLFPS-321/3702)	7.0	7.0	3.0	6.7	7.0	7.0	7.0	5.3	7.3	6.4
DRAGSTER	6.7	7.3	4.7	5.7	7.0	6.3	6.7	5.0	8.0	6.4
FIREHAWK SLT	6.7	7.3	6.0	5.3	7.0	6.0	7.0	5.0	7.0	6.4
HEMI	6.3	6.3	5.3	7.0	7.0	6.0	6.3	5.7	7.3	6.4
ORIOLE (PST-5BYOB)	6.7	6.7	4.3	7.0	7.0	6.7	6.7	5.3	7.0	6.4
PST-5GQ	6.3	6.7	5.3	7.0	7.0	6.3	6.0	5.3	7.3	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.7	3.3	7.0	6.7	6.7	6.3	5.3	7.3	6.3
DLFPS-321/3706	6.7	6.7	4.0	7.7	7.0	6.3	6.0	4.7	8.0	6.3
GLX ACED (PST-5DART)	6.3	6.3	5.0	7.0	7.0	6.3	6.0	5.3	7.7	6.3
COPIOUS TF	7.0	6.7	4.7	6.0	7.0	6.0	7.3	4.7	7.3	6.3
GRANDER (PPG-TF 267)	6.7	7.0	2.3	7.0	7.0	6.3	6.3	6.0	8.0	6.3
FINELAWN SUPREME (RH3)	6.3	6.7	3.7	7.3	7.0	6.7	6.7	5.0	7.3	6.3
PST-5DZM	6.3	6.7	5.7	6.7	7.0	6.3	6.7	4.7	6.7	6.3
PST-5MINK	6.7	6.3	5.7	5.7	7.0	6.3	6.7	5.7	6.7	6.3
RACEWAY (DLFPS-321/3696)	6.7	6.3	5.0	6.3	7.0	6.3	6.3	5.0	7.7	6.3
SE5STAR	7.0	6.3	5.0	6.7	7.0	6.0	7.0	4.7	7.0	6.3
ZION (BAR TF 134)	6.7	7.0	4.0	6.3	7.0	7.0	6.7	4.3	7.7	6.3
BATTLE HAWK (NAI-ROS4)	7.0	7.3	3.0	6.7	7.0	6.3	6.7	5.0	7.3	6.3
FASTLANE (BY-TF-169)	7.3	7.0	2.7	6.0	6.7	6.7	7.0	5.0	8.0	6.3
FIRENZA II (PPG-TF 244)	7.0	7.0	2.7	7.7	7.0	6.7	6.3	4.3	7.7	6.3
LIFEGUARD	6.3	7.0	4.7	6.7	6.7	6.3	6.7	4.3	7.7	6.3
PPG-TF 249	7.0	7.0	2.7	6.7	7.0	6.3	7.0	5.0	7.7	6.3
RAD-TF131	6.3	6.7	5.7	5.0	7.0	5.3	7.0	6.0	7.3	6.3
TALLADEGA II (NAI-3N2)	6.7	7.0	3.7	6.3	7.0	6.7	6.7	5.0	7.3	6.3
LBF	6.0	6.3	5.7	6.3	7.0	5.7	5.7	6.0	7.7	6.3

TABLE 19.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									
	CT1	DE1	IA1	NC1	NE1	OK1	ON1	TN1	VA1	MEAN
PARAMOUNT	7.0	6.0	5.0	6.3	6.7	6.0	7.0	4.7	7.7	6.3
GLX REVIVE (PST-5GLBS)	7.0	6.3	2.7	6.0	7.0	6.3	7.0	6.3	7.3	6.2
TANK (PPG-TF 338)	6.7	7.0	1.7	7.7	7.0	6.3	6.3	5.3	8.0	6.2
LAFAYETTE (GO-AOMK)	6.7	6.7	5.7	5.7	7.0	6.3	6.7	4.3	7.0	6.2
MOONDANCE GLX	6.3	5.7	5.3	6.7	6.7	6.3	6.7	5.3	7.0	6.2
DEGAS (LTP-TF-111)	7.0	7.3	2.7	6.3	7.0	6.3	5.7	5.7	8.0	6.2
DLFPS-321/3703	6.3	6.3	5.0	5.3	7.0	6.7	7.0	4.7	7.7	6.2
PADRE 2	7.0	6.7	4.0	7.0	7.0	6.0	7.0	4.0	7.0	6.2
ATF2116	6.3	5.7	5.3	6.7	7.0	6.3	6.7	5.0	6.7	6.2
ESTRENA	7.0	6.0	4.3	6.3	7.0	6.3	6.0	5.0	7.7	6.2
NATURALLY GREEN	6.0	6.3	5.3	5.7	7.0	6.0	7.0	5.3	7.0	6.2
TEACHER (PPG-TF 313)	7.3	7.0	1.0	6.3	7.0	6.0	7.0	6.0	8.0	6.2
SETFM2	6.3	6.7	4.3	6.0	7.0	6.0	6.0	6.0	7.0	6.1
SETFM3	6.3	6.7	4.0	6.3	6.7	6.0	7.7	4.7	7.0	6.1
JT 233	7.0	7.0	1.0	6.0	7.0	6.7	7.3	5.0	8.0	6.1
SYMPHONY (PPG-TF 305)	7.0	7.0	2.3	6.7	7.0	6.3	6.7	4.7	7.3	6.1
TRIAD (PPG-TF 323)	6.3	6.0	2.3	7.7	7.0	6.3	6.7	4.7	8.0	6.1
TANGO	6.7	6.3	4.0	6.7	7.0	5.7	7.0	4.0	7.3	6.1
BAR-FA8230	6.0	6.3	4.7	5.7	7.0	6.3	7.0	4.7	7.0	6.1
GALLARDO (DLFPS-TF/3550)	6.7	6.7	1.0	7.0	7.0	6.3	7.3	4.3	8.0	6.0
BANDIT	6.0	7.0	2.7	5.7	6.7	6.3	7.3	5.0	7.7	6.0
TOPSHELF (BGR-TF3)	6.0	6.7	3.7	6.3	7.0	6.3	6.7	4.3	7.3	6.0
GRO-PRO (SE53D2)	6.0	6.7	2.7	6.7	7.0	6.7	6.7	4.7	7.3	6.0
BAR FA 8228	6.0	6.0	6.0	5.7	7.0	5.7	5.7	5.7	6.0	6.0
OG-WALK	6.0	6.3	6.0	5.7	6.7	5.3	6.3	5.7	5.7	6.0
A-TF31	6.7	5.0	2.7	6.0	6.7	6.3	6.3	5.3	8.3	5.9
ESCALADE	6.0	5.7	5.0	5.7	7.0	5.7	7.3	5.0	6.0	5.9
FAYETTE	6.7	6.0	4.0	6.0	6.7	6.3	5.7	5.3	6.7	5.9
AST8118LM	6.3	6.3	5.3	5.0	6.7	6.0	6.7	3.7	7.0	5.9
PRO GOLD	6.7	6.3	2.3	6.0	7.0	6.0	6.0	6.0	6.7	5.9
NAI-FQZ-17	6.3	6.3	1.3	6.7	7.0	6.0	6.7	5.7	6.7	5.9
GRAND PRIX (FC15-01P)	6.0	6.0	4.3	6.0	7.0	5.7	6.3	4.0	6.7	5.8
BIRMINGHAM	6.0	6.7	3.3	6.3	7.0	6.0	6.7	4.0	6.0	5.8
PALOMAR	6.0	5.7	5.3	4.7	7.0	5.0	7.0	4.7	6.3	5.7
BRAVO 2	6.3	6.0	1.7	6.0	7.0	6.0	6.7	5.0	7.0	5.7
AST8218LM	6.3	6.0	5.0	4.0	6.7	6.0	6.7	4.7	6.0	5.7
BAR 9FE MAS	6.0	6.0	3.7	5.0	7.0	5.7	6.7	5.0	6.3	5.7
RAD-TF115 (TURBO SS)	6.7	6.7	1.7	5.0	7.0	4.0	6.7	5.0	7.7	5.6
KENTUCKY-31	5.0	4.0	7.0	5.0	6.7	4.0	5.7	5.0	3.3	5.1
LSD VALUE	0.7	1.1	4.5	1.4	0.3	0.9	1.2	2.3	1.0	0.6
C.V. (%)	6.6	10.2	64.2	13.4	3.1	9.0	11.4	27.9	8.2	18.6

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 20.

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	CT1	IA1	IN1	MS1	OK1	ON1	TN1	
DLFPS-321/3693	7.3	4.0	6.3	7.0	6.0	7.3	6.7	6.4
RHL2	7.0	3.3	7.0	6.7	4.7	7.3	8.3	6.3
5LSS	7.0	4.3	6.7	6.7	4.7	8.0	7.0	6.3
SR 8700 (TMT1)	7.0	4.3	5.3	7.0	5.7	7.0	8.0	6.3
LIFEGUARD	7.0	4.7	5.7	7.0	5.0	7.3	7.3	6.3
EXPANSE (PPG-TF 262)	7.0	4.3	6.7	6.7	6.0	7.7	5.7	6.3
BULLSEYE LTZ	7.0	5.0	6.7	6.3	5.3	7.0	6.7	6.3
SERENADE (PPG-TF 320)	7.0	5.3	5.7	6.7	5.0	8.0	6.0	6.2
PPG-TF 231	7.3	4.3	6.0	7.0	6.3	7.7	5.0	6.2
PROVIDENCE (GO-RH20)	7.0	3.7	6.0	6.0	6.0	7.7	7.3	6.2
TANK (PPG-TF 338)	7.0	4.0	6.3	7.0	5.7	7.7	6.0	6.2
TEACHER (PPG-TF 313)	7.0	4.3	6.0	7.0	4.7	7.7	7.0	6.2
TITAN MAX (TF456)	7.0	4.0	6.3	6.7	5.0	7.7	7.0	6.2
NAI-ST5	7.0	4.0	6.0	6.7	5.3	7.0	7.3	6.2
RDC	7.0	4.3	6.7	6.7	4.7	7.3	6.3	6.1
TD2	7.0	3.7	6.3	7.0	4.7	7.0	7.3	6.1
BATTLE HAWK (NAI-ROS4)	7.3	3.0	6.0	6.7	5.3	7.7	7.0	6.1
BULLSEYE	6.3	3.7	5.0	7.0	5.7	7.7	7.7	6.1
DLFPS-321/3694	6.7	4.0	5.7	6.7	6.0	7.3	6.7	6.1
K18-RS6	7.0	4.0	6.0	6.7	5.0	8.3	6.0	6.1
RAD-TF105	6.3	4.3	5.7	7.0	5.0	7.3	7.3	6.1
TALLADEGA II (NAI-3N2)	7.0	3.0	6.0	6.7	5.0	7.7	7.7	6.1
FINELAWN SUPREME (RH3)	6.3	4.0	6.3	7.0	5.3	7.3	6.7	6.1
GALLARDO (DLFPS-TF/3550)	6.3	3.3	5.3	6.0	5.7	8.0	8.0	6.1
XANADU (JT 268)	7.0	4.0	6.3	6.7	6.0	7.3	5.3	6.1
BONFIRE (JS DTT)	7.0	4.3	6.3	7.0	5.7	6.7	5.7	6.1
CAPITAN (DLFPS-321/3705)	7.0	4.3	6.3	6.0	6.0	6.7	6.3	6.1
DEGAS (LTP-TF-111)	7.0	3.7	6.3	6.7	5.0	7.3	6.7	6.1
GALACTIC (SESCR1)	7.0	4.0	5.7	6.7	5.7	7.0	6.7	6.1
PPG-TF 312	7.0	4.0	6.7	6.7	5.0	7.7	5.7	6.1
PPG-TF 337	7.0	4.0	7.0	7.0	5.7	7.3	4.7	6.1
COL-TF-148	7.3	4.0	6.0	6.7	5.0	7.3	6.0	6.0
DAYBREAK (AH2)	7.0	3.3	6.0	6.3	6.0	8.3	5.3	6.0
DLFPS-321/3706	6.7	3.7	6.0	7.0	5.7	6.7	6.7	6.0
PPG-TF 249	6.7	4.0	6.0	6.7	6.0	7.3	5.7	6.0
PPG-TF 318	6.7	4.0	5.7	6.7	6.0	7.0	6.3	6.0
RACEWAY (DLFPS-321/3696)	6.7	4.3	5.3	6.7	5.0	7.0	7.3	6.0
RAPTOR LS (PPG-TF 336)	7.0	4.3	7.0	6.7	4.3	7.7	5.3	6.0
RS1	7.0	4.3	5.7	6.7	5.3	7.0	6.3	6.0
SPYDER 2LS (ZRC1)	7.0	4.7	6.0	6.7	5.7	7.7	4.7	6.0
STEALTH (PPG-TF 238)	7.0	4.7	5.7	6.0	5.3	7.7	6.0	6.0
RC4	7.0	3.7	5.7	7.0	5.3	6.7	7.0	6.0
ROWDIER (DLFPS-321/3699)	7.0	3.7	5.0	6.7	5.3	7.7	7.0	6.0
DLFPS-321/3695	7.0	3.0	6.0	6.7	5.7	7.3	6.3	6.0
FIRENZA II (PPG-TF 244)	7.0	3.7	6.3	7.0	5.7	7.0	5.3	6.0
AVENGER III (PPG-TF 308)	7.0	4.0	5.7	6.7	6.0	7.0	5.7	6.0

TABLE 20.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	CT1	IA1	IN1	MS1	OK1	ON1	TN1	
CLASH (AH1)	7.0	3.7	5.7	6.7	6.0	7.7	5.3	6.0
FIRECRACKER G-LS (PPG-TF 315)	7.0	3.7	6.3	7.0	5.0	7.0	6.0	6.0
SYMPHONY (PPG-TF 305)	7.0	4.3	6.0	7.0	5.0	7.3	5.3	6.0
TRIAD (PPG-TF 323)	7.0	4.0	6.0	6.3	5.3	8.3	5.0	6.0
NT-3	7.3	4.3	6.3	6.3	5.0	7.0	5.7	6.0
SOUTHSIDE (PPG-TF 267)	7.0	3.3	6.7	6.0	4.7	7.7	6.3	6.0
ATF1768	6.3	3.7	6.3	6.3	4.7	8.0	6.3	6.0
ESTRENA	6.7	3.7	5.7	6.7	5.3	8.0	5.7	6.0
FASTLANE (BY-TF-169)	7.0	3.0	6.0	6.3	5.3	7.0	7.0	6.0
K18-NSE	7.0	3.0	6.3	7.0	3.7	8.0	6.7	6.0
TITANIUM G-LS (PPG-TF 255)	7.0	3.7	5.7	6.7	5.3	7.3	6.0	6.0
VALSETZ (PPG-TF 257)	7.0	3.0	6.0	6.3	5.7	7.0	6.7	6.0
GLX ACED (PST-5DART)	6.7	4.0	6.7	6.7	6.0	6.3	5.0	5.9
OKEEFE (LTP-TF-122)	7.0	4.7	5.7	6.3	5.0	7.3	5.3	5.9
PARAMOUNT	7.0	4.3	5.3	6.7	5.0	6.7	6.3	5.9
RHF	7.0	3.7	7.0	7.0	4.3	7.0	5.3	5.9
ROVER (PPG-TF 306)	7.0	2.3	6.3	6.3	5.0	8.0	6.3	5.9
DRAGSTER	7.0	3.3	6.3	6.3	5.3	7.3	5.7	5.9
PPG-TF 316	6.3	3.3	7.0	7.0	5.7	7.3	4.7	5.9
DLFPS-321/3707	6.7	3.7	5.7	6.7	5.3	7.0	6.0	5.9
DLFPS-TF/3553	7.0	2.3	6.7	6.0	4.3	7.7	7.0	5.9
DYNAMITE G-LS (PPG-TF 254)	6.7	3.0	6.3	6.7	5.7	7.7	5.0	5.9
EXTRAVAGANZA (PST-5MCMO)	6.3	3.0	6.0	6.0	5.0	7.3	7.3	5.9
FIREHAWK SLT	7.0	3.3	5.7	6.0	5.0	7.7	6.3	5.9
GRANDE 3	7.0	3.7	6.0	6.7	5.0	7.3	5.3	5.9
JT 233	6.3	3.3	5.7	6.3	6.0	7.0	6.3	5.9
KIZZLE (K18-ROE)	6.0	4.3	5.7	6.3	5.7	7.7	5.3	5.9
LAFAYETTE (GO-AOMK)	6.3	4.0	5.3	6.0	5.3	6.7	7.3	5.9
BIRMINGHAM	6.0	4.3	4.7	6.0	5.3	7.0	7.7	5.9
DLFPS-321/3708	7.0	4.0	5.3	6.7	4.7	7.0	6.0	5.8
K18-WB1	6.7	3.3	5.7	6.7	5.0	7.3	6.0	5.8
TITAN GLX (TF445)	6.7	4.0	5.7	6.7	4.3	7.0	6.3	5.8
FALCON SUPREME (RH1)	6.0	3.0	6.0	7.0	5.3	7.3	6.0	5.8
3B2	6.7	3.7	5.3	6.7	5.7	7.0	5.3	5.8
ATF2116	6.0	4.3	5.0	6.7	5.7	6.7	6.0	5.8
BENTLEY (DLFPS-321/3679)	7.0	3.3	5.0	6.3	5.3	7.0	6.3	5.8
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	3.0	6.0	6.0	5.7	7.0	6.0	5.8
FAIRFIELD (SETF104)	6.3	4.3	4.3	6.7	4.7	7.0	7.0	5.8
HEMI	6.7	5.0	4.0	6.0	5.7	7.3	5.7	5.8
PADRE 2	6.7	2.7	5.3	6.7	5.7	7.3	6.0	5.8
RAPTOR III	6.3	3.3	5.7	6.3	5.0	7.3	6.3	5.8
HOUNDG NINE (DLFPS-321/3702)	6.7	4.3	5.7	6.3	5.0	6.7	5.7	5.8
SETFM2	6.3	5.7	5.0	6.3	4.3	6.0	6.7	5.8
TOPSHELF (BGR-TF3)	6.0	4.3	5.3	6.3	4.7	6.7	7.0	5.8
ZION (BAR TF 134)	7.0	3.7	6.0	6.3	5.0	7.3	5.0	5.8
MOONDANCE GLX	6.3	3.7	5.7	6.7	5.7	6.7	5.3	5.7
SETFM3	6.7	5.0	4.7	6.0	4.7	6.7	6.3	5.7

TABLE 20.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	CT1	IA1	IN1	MS1	OK1	ON1	TN1	
ESCALADE	6.0	4.3	4.0	6.0	5.7	7.0	7.0	5.7
JT 517	6.7	5.3	4.3	6.3	4.7	7.0	5.7	5.7
PST-5DC24	6.7	3.7	5.3	6.0	5.0	7.0	6.0	5.7
DLFPS-321/3703	6.3	3.3	4.7	6.3	5.0	7.3	6.7	5.7
ENDGAME (3N1)	7.0	3.3	5.3	6.0	5.0	7.3	5.7	5.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	2.0	6.0	6.7	5.7	6.7	5.3	5.6
GLX REVIVE (PST-5GLBS)	6.7	3.3	5.0	7.0	5.0	7.3	5.0	5.6
MONUMENT (PST-5SQB)	6.3	3.3	5.3	6.7	5.7	7.0	5.0	5.6
TOUGH (NAI-TUE)	6.7	3.3	4.7	6.3	4.7	7.3	6.3	5.6
AST8118LM	6.0	4.3	4.3	6.0	5.3	6.7	6.7	5.6
PST-5THM	6.3	4.7	5.3	6.3	5.0	6.7	5.0	5.6
AST8218LM	6.3	3.3	5.3	6.0	5.0	6.0	7.0	5.6
BANDIT	6.3	3.3	4.7	6.0	5.0	7.3	6.3	5.6
GRO-PRO (SE53D2)	6.3	4.0	4.7	6.3	5.3	6.0	6.3	5.6
ORIOLE (PST-5BYOB)	6.0	4.3	5.3	6.0	5.7	6.3	5.3	5.6
PST-5MINK	6.3	4.3	5.7	6.0	5.3	6.7	4.7	5.6
COPIOUS TF	6.7	4.0	5.3	6.0	4.7	7.3	4.7	5.5
SE5STAR	6.3	3.7	5.0	6.3	5.0	7.0	5.3	5.5
A-TF31	6.7	3.0	4.7	5.7	4.7	7.0	6.7	5.5
BAR 9FE MAS	6.3	4.7	4.7	6.0	4.7	6.3	5.7	5.5
PST-5TRN	6.0	4.0	5.0	6.3	4.7	7.0	5.3	5.5
TANGO	6.0	3.3	4.0	6.0	5.3	7.0	6.7	5.5
BRAVO 2	6.0	3.7	5.0	7.0	5.3	6.3	5.0	5.5
PRO GOLD	6.0	3.7	4.7	6.3	5.3	6.3	6.0	5.5
NATURALLY GREEN	6.0	4.7	4.0	5.7	4.7	5.7	7.3	5.4
PST-5GQ	6.3	3.7	5.7	6.0	4.7	6.3	5.3	5.4
LBF	6.3	4.0	4.7	5.7	5.3	5.7	6.0	5.4
PALOMAR	6.0	4.0	4.7	6.3	4.7	6.0	6.0	5.4
PST-5DZM	6.0	3.3	5.3	6.3	4.7	7.0	5.0	5.4
BAR-FA8230	6.0	4.3	4.0	6.3	4.7	6.7	5.7	5.4
RAD-TF115 (TURBO SS)	6.3	4.3	4.3	5.3	3.7	7.7	5.7	5.3
GRAND PRIX (FC15-01P)	6.0	4.3	4.3	6.0	4.3	6.7	5.7	5.3
HELLCAT GLR (PST-5E6)	6.0	4.0	5.0	6.3	5.0	6.3	4.7	5.3
OG-WALK	6.0	5.0	4.0	6.3	5.0	6.0	5.0	5.3
FAYETTE	6.3	4.0	5.3	6.3	4.7	6.5	3.7	5.3
RAD-TF131	6.3	3.7	4.3	6.7	3.3	7.0	5.3	5.2
NAI-FQZ-17	6.0	4.3	4.0	6.3	5.0	7.0	3.7	5.2
BAR FA 8228	6.3	5.3	4.3	6.0	4.0	6.0	4.0	5.1
KENTUCKY-31	5.3	4.0	3.0	5.0	3.7	4.7	4.3	4.3
LSD VALUE	0.6	1.7	1.4	0.8	1.4	1.1	2.4	0.6
C.V. (%)	6.0	27.1	15.4	7.4	17.5	9.7	24.7	15.5

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 21.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	MI1	NC1	NE1	OK1	ON1	TN1	MEAN
FIREHAWK SLT	6.7	7.7	9.0	8.0	7.0	5.7	7.3	7.3	7.3
AVENGER III (PPG-TF 308)	7.0	8.0	9.0	8.0	7.0	6.0	5.7	8.0	7.3
COL-TF-148	7.0	8.0	9.0	7.0	7.0	6.0	7.0	7.3	7.3
TEACHER (PPG-TF 313)	7.7	6.3	8.7	7.3	7.0	6.3	8.0	7.0	7.3
VALSETZ (PPG-TF 257)	6.7	6.7	9.0	8.0	7.0	6.3	7.0	7.7	7.3
NT-3	7.0	7.3	8.7	7.0	7.0	6.3	7.0	7.3	7.2
BULLSEYE LTZ	7.0	7.7	9.0	7.3	7.0	6.0	7.3	6.0	7.2
ZION (BAR TF 134)	7.0	8.0	9.0	7.0	7.0	6.3	7.3	5.7	7.2
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.0	9.0	7.7	6.7	6.3	7.0	7.3	7.1
K18-WB1	6.7	8.0	8.7	7.7	7.0	6.3	7.3	5.3	7.1
BATTLE HAWK (NAI-ROS4)	7.0	5.0	9.0	8.0	7.0	6.0	7.7	7.3	7.1
DLFPS-321/3706	7.0	7.0	8.7	7.3	7.0	6.0	7.3	6.7	7.1
DYNAMITE G-LS (PPG-TF 254)	6.7	7.3	9.0	7.0	6.7	6.3	7.3	6.7	7.1
PPG-TF 312	7.0	6.0	9.0	8.0	7.0	6.0	7.7	6.3	7.1
RHF	7.0	5.3	9.0	8.0	6.7	6.7	7.0	7.3	7.1
EXTRAVAGANZA (PST-5MCMO)	7.0	7.7	9.0	7.3	7.0	6.0	5.3	7.3	7.1
FIRENZA II (PPG-TF 244)	7.0	7.7	9.0	7.3	7.3	6.7	6.3	5.3	7.1
RC4	7.0	7.0	9.0	7.7	7.0	6.7	6.0	6.3	7.1
TRIAD (PPG-TF 323)	7.0	7.0	9.0	7.0	7.0	6.3	7.3	6.0	7.1
PADRE 2	6.3	7.3	9.0	7.0	6.7	6.3	6.3	7.7	7.1
PPG-TF 318	7.3	7.3	9.0	7.3	6.7	6.0	6.3	6.7	7.1
RHL2	7.0	6.7	9.0	7.3	6.7	6.0	7.3	6.7	7.1
TD2	6.7	7.0	9.0	7.3	7.0	6.3	6.7	6.7	7.1
DLFPS-321/3693	7.0	6.7	9.0	6.7	7.0	6.3	7.3	6.3	7.0
DLFPS-321/3694	7.0	8.0	9.0	5.7	7.3	6.0	7.3	6.0	7.0
PPG-TF 337	7.0	7.0	9.0	7.0	6.7	6.3	7.0	6.3	7.0
3B2	7.0	6.3	9.0	6.7	6.7	6.3	6.7	7.7	7.0
5LSS	6.7	7.0	9.0	7.7	6.7	6.0	7.7	5.7	7.0
GALACTIC (SESCR1)	7.0	4.0	9.0	8.0	7.0	6.7	7.0	7.7	7.0
HOUNDOG NINE (DLFPS-321/3702)	7.0	7.0	9.0	6.3	7.0	6.3	6.7	7.0	7.0
EXPANSE (PPG-TF 262)	7.3	5.7	9.0	8.0	6.7	6.7	6.7	6.3	7.0
TANK (PPG-TF 338)	6.7	7.3	8.7	7.0	7.0	6.0	7.0	6.7	7.0
CAPITAN (DLFPS-321/3705)	7.0	5.7	9.0	7.7	7.3	6.3	7.0	6.0	7.0
FASTLANE (BY-TF-169)	6.7	6.0	9.0	5.7	7.0	6.3	7.0	8.3	7.0
PROVIDENCE (GO-RH20)	7.0	6.3	9.0	7.0	6.7	6.3	7.3	6.3	7.0
NAI-ST5	7.0	6.3	9.0	7.7	7.0	6.0	7.0	6.0	7.0
SERENADE (PPG-TF 320)	7.0	6.7	8.7	8.0	6.7	6.3	7.0	5.7	7.0
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	9.0	7.7	6.7	5.7	7.0	7.0	7.0
PST-5THM	7.0	6.0	9.0	7.3	7.0	6.0	5.7	8.0	7.0
RS1	7.0	6.3	9.0	8.0	7.0	6.0	7.0	5.7	7.0
A-TF31	7.0	7.0	8.0	6.3	6.7	5.7	7.0	8.0	7.0
DAYBREAK (AH2)	7.3	4.3	9.0	8.0	7.0	6.0	7.3	6.7	7.0
DEGAS (LTP-TF-111)	7.0	6.3	9.0	7.0	6.7	6.7	7.0	6.0	7.0
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.3	9.0	8.0	7.0	6.0	6.3	6.0	7.0
RACEWAY (DLFPS-321/3696)	6.3	7.3	9.0	6.0	7.0	6.0	6.7	7.3	7.0
RAPTOR III	6.7	7.0	9.0	6.7	6.7	5.7	6.7	7.3	7.0

TABLE 21.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	MI1	NC1	NE1	OK1	ON1	TN1	MEAN
K18-RS6	7.0	5.7	9.0	7.0	7.0	6.3	7.3	6.0	6.9
GLX REVIVE (PST-5GLBS)	7.0	7.3	8.7	7.7	6.3	6.3	6.0	6.0	6.9
PARAMOUNT	7.0	6.0	9.0	6.3	6.7	6.3	7.0	7.0	6.9
XANADU (JT 268)	7.0	5.7	9.0	7.7	7.0	6.3	7.0	5.7	6.9
AST8118LM	6.7	7.7	8.7	5.3	6.7	5.7	6.7	8.0	6.9
CLASH (AH1)	7.3	4.7	9.0	8.0	7.0	6.7	7.0	5.7	6.9
DLFPS-321/3707	7.0	6.0	8.7	7.7	7.0	5.7	7.3	6.0	6.9
ENDGAME (3N1)	7.0	6.3	9.0	7.3	7.0	6.0	7.0	5.7	6.9
MONUMENT (PST-5SQB)	6.3	7.0	8.7	6.3	7.0	6.0	6.3	7.7	6.9
RAD-TF131	6.7	7.7	8.7	6.3	6.7	5.7	7.0	6.7	6.9
ESTRENA	7.0	5.3	9.0	6.7	7.0	6.3	7.3	6.3	6.9
GALLARDO (DLFPS-TF/3550)	7.0	5.0	9.0	7.7	7.0	6.0	7.3	6.0	6.9
PPG-TF 316	7.0	4.7	9.0	8.0	7.0	6.0	7.3	6.0	6.9
SPYDER 2LS (ZRC1)	7.0	4.7	9.0	7.7	7.0	6.3	7.0	6.3	6.9
ATF1768	6.3	6.7	8.3	6.7	6.7	6.0	6.7	7.7	6.9
DLFPS-321/3695	7.0	7.3	8.7	6.0	6.7	6.3	7.0	6.0	6.9
FALCON SUPREME (RH1)	6.3	6.7	9.0	7.0	7.0	6.3	6.7	6.0	6.9
GLX ACED (PST-5DART)	6.7	7.7	8.7	7.0	6.7	6.0	6.3	6.0	6.9
HEMI	6.3	6.3	9.0	7.7	6.7	6.0	6.3	6.7	6.9
TITAN GLX (TF445)	7.0	5.7	8.7	7.7	6.7	6.0	6.7	6.7	6.9
OKEEFE (LTP-TF-122)	7.0	6.0	9.0	7.3	7.0	5.7	7.0	6.0	6.9
TALLADEGA II (NAI-3N2)	7.0	5.3	9.0	6.7	7.0	6.3	6.3	7.0	6.8
DLFPS-321/3703	6.7	7.7	9.0	6.3	6.3	6.0	6.7	6.0	6.8
DLFPS-TF/3553	7.0	6.3	8.7	7.3	6.7	6.0	6.7	6.0	6.8
K18-NSE	7.0	5.7	8.7	7.0	7.0	5.7	7.7	6.0	6.8
SOUTHSIDE (PPG-TF 267)	7.3	4.3	9.0	7.0	6.7	6.3	7.3	6.7	6.8
DRAGSTER	7.0	5.3	9.0	5.7	7.0	6.0	7.0	7.3	6.8
FAIRFIELD (SETF104)	7.0	5.0	9.0	7.0	7.0	6.3	6.7	6.3	6.8
TITAN MAX (TF456)	7.0	4.7	9.0	7.0	7.0	5.7	7.0	7.0	6.8
BONFIRE (JS DTT)	6.7	5.3	8.7	6.7	7.0	6.7	6.3	7.0	6.8
ROVER (PPG-TF 306)	7.0	5.0	9.0	7.3	7.0	6.0	6.7	6.3	6.8
NAI-FQZ-17	6.3	6.7	9.0	6.7	6.7	6.0	6.3	6.3	6.8
SYMPHONY (PPG-TF 305)	7.0	4.0	9.0	7.7	7.0	6.7	7.3	5.3	6.8
BENTLEY (DLFPS-321/3679)	6.7	6.0	9.0	5.7	7.0	6.0	6.7	7.0	6.8
JT 233	6.7	5.7	8.7	7.0	7.0	6.0	7.0	6.0	6.8
LIFEGUARD	6.3	5.7	8.7	7.0	7.0	6.3	5.3	7.7	6.8
PST-5GQ	6.3	7.0	9.0	6.3	6.7	5.3	6.3	7.0	6.8
RDC	7.0	4.0	9.0	8.0	7.0	6.0	7.0	6.0	6.8
STEALTH (PPG-TF 238)	7.0	5.0	9.0	7.7	6.7	6.7	6.7	5.3	6.8
GRANDE 3	7.0	5.3	9.0	6.0	6.7	5.7	6.7	7.7	6.8
RAPTOR LS (PPG-TF 336)	7.0	3.7	9.0	7.3	7.3	6.7	7.0	6.0	6.8
BRAVO 2	6.0	6.3	8.7	6.7	7.0	6.0	6.0	7.0	6.7
FAYETTE	6.7	6.7	9.0	6.0	7.0	5.3	6.0	7.0	6.7
PST-5TRN	6.3	6.3	9.0	7.3	6.7	6.3	6.3	5.3	6.7
SR 8700 (TMT1)	6.7	5.7	9.0	6.0	6.7	6.0	6.3	7.3	6.7
PPG-TF 249	6.7	5.3	9.0	6.3	7.0	6.3	7.0	6.0	6.7
PST-5DZM	7.0	5.0	8.7	7.3	6.7	6.3	6.0	6.3	6.7

TABLE 21.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	MI1	NC1	NE1	OK1	ON1	TN1	MEAN
BLADERUNNER 3 (DLFPS-321/3701)	7.0	5.7	9.0	4.7	6.7	6.7	7.0	6.7	6.7
DLFPS-321/3708	7.0	4.3	8.3	7.3	6.3	6.3	7.0	6.7	6.7
FINELAWN SUPREME (RH3)	7.0	5.3	8.3	7.3	7.0	6.0	6.7	5.7	6.7
RAD-TF105	7.0	5.0	9.0	7.0	7.0	5.7	6.7	6.0	6.7
RAD-TF115 (TURBO SS)	6.3	7.7	8.7	5.7	6.7	4.7	7.0	6.7	6.7
TOUGH (NAI-TUE)	7.0	4.3	9.0	7.0	7.0	5.7	7.0	6.3	6.7
SETFM3	6.7	5.7	9.0	6.7	6.7	6.0	7.0	5.3	6.6
ROWDIER (DLFPS-321/3699)	6.7	5.3	9.0	5.0	7.0	6.0	7.0	7.0	6.6
GRO-PRO (SE53D2)	6.3	7.0	8.7	7.0	6.7	5.7	5.7	6.0	6.6
TOPSHELF (BGR-TF3)	6.3	7.0	8.7	5.3	6.3	5.3	6.3	7.3	6.6
HELLCAT GLR (PST-5E6)	6.7	5.7	8.7	7.7	6.7	5.7	5.7	6.0	6.6
SE5STAR	6.0	7.3	8.3	5.7	7.0	5.3	6.3	6.7	6.6
PST-5DC24	6.7	5.3	8.7	7.0	6.7	6.0	5.7	6.7	6.6
ATF2116	6.0	6.7	8.7	5.7	7.0	6.0	6.3	6.0	6.5
BAR 9FE MAS	6.3	6.7	9.0	5.3	7.0	5.3	6.0	6.3	6.5
COPIOUS TF	6.7	4.3	8.0	6.3	6.7	6.0	7.3	6.7	6.5
JT 517	7.0	4.7	8.0	6.0	7.0	5.7	6.7	7.0	6.5
LAFAYETTE (GO-AOMK)	6.3	6.0	8.7	6.7	6.3	6.0	6.0	6.0	6.5
SETFM2	6.3	5.3	9.0	6.0	7.0	5.7	5.7	7.0	6.5
KIZZLE (K18-ROE)	6.7	3.7	8.7	7.0	7.0	6.3	6.3	6.0	6.5
PPG-TF 231	7.0	4.3	8.7	6.0	6.3	6.0	7.3	6.0	6.5
ORIOLE (PST-5BYOB)	6.0	6.0	8.7	6.3	7.0	5.7	5.3	6.7	6.5
TANGO	6.7	4.7	8.7	6.3	7.0	5.3	6.0	7.0	6.5
MOONDANCE GLX	6.7	4.7	9.0	6.3	7.0	5.7	6.0	6.0	6.4
NATURALLY GREEN	6.3	6.3	8.0	6.0	6.7	5.3	5.7	7.0	6.4
PRO GOLD	6.3	5.7	8.3	6.0	7.0	5.7	5.7	6.7	6.4
OG-WALK	6.3	7.3	8.7	4.7	7.0	5.3	4.7	7.0	6.4
AST8218LM	6.0	6.7	8.7	5.3	6.0	5.7	5.7	6.7	6.3
BAR FA 8228	6.3	7.0	8.3	5.0	6.3	5.0	5.7	7.0	6.3
BAR-FA8230	6.0	4.0	9.0	7.0	6.7	5.3	6.0	6.7	6.3
LBF	6.3	5.7	8.7	5.7	6.3	5.7	6.0	6.3	6.3
BANDIT	6.7	4.7	8.7	6.0	6.3	5.7	6.7	5.7	6.3
GRAND PRIX (FC15-01P)	6.0	5.3	8.0	5.7	6.3	5.3	6.0	7.7	6.3
PST-5MINK	6.3	6.3	8.7	5.0	6.3	5.7	6.0	6.0	6.3
BIRMINGHAM	6.3	6.7	8.7	4.3	7.0	5.3	6.3	5.3	6.3
BULLSEYE	6.7	4.7	8.7	5.3	7.0	5.3	6.3	6.0	6.3
ESCALADE	6.0	6.3	8.3	5.3	6.7	5.3	5.7	6.0	6.2
PALOMAR	6.0	5.7	8.3	5.3	6.7	5.0	4.7	7.3	6.1
KENTUCKY-31	5.0	4.7	6.0	4.7	4.7	4.0	4.0	5.3	4.8
LSD VALUE	0.6	3.0	0.6	1.5	0.6	0.9	1.0	2.0	0.5
C.V. (%)	5.7	30.3	4.0	13.4	5.8	9.1	9.5	19.3	13.7

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

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

TABLE 22.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	OK1	TN1	MEAN
TEACHER (PPG-TF 313)	92.3	99.0	90.0	93.8
PPG-TF 312	86.7	99.0	91.7	92.4
FIRENZA II (PPG-TF 244)	89.7	99.0	88.0	92.2
5LSS	87.0	99.0	89.7	91.9
DLFPS-321/3695	85.7	99.0	90.7	91.8
CAPITAN (DLFPS-321/3705)	84.0	99.0	90.3	91.1
FASTLANE (BY-TF-169)	82.3	99.0	92.0	91.1
DEGAS (LTP-TF-111)	83.0	99.0	90.0	90.7
NT-3	82.7	99.0	89.7	90.4
BATTLE HAWK (NAI-ROS4)	81.3	99.0	90.7	90.3
K18-WB1	83.0	99.0	89.0	90.3
FALCON SUPREME (RH1)	78.7	99.0	93.0	90.2
PADRE 2	83.7	99.0	88.0	90.2
PPG-TF 337	83.3	99.0	88.3	90.2
RS1	81.0	99.0	90.0	90.0
CLASH (AH1)	83.3	99.0	87.3	89.9
DAYBREAK (AH2)	81.0	99.0	89.0	89.7
DLFPS-321/3706	82.0	96.0	90.7	89.6
PPG-TF 318	80.0	99.0	89.7	89.6
PRO GOLD	79.7	99.0	90.0	89.6
ESCALADE	82.3	99.0	87.3	89.6
HOUNDOG NINE (DLFPS-321/3702)	81.3	99.0	87.7	89.3
SERENADE (PPG-TF 320)	80.0	99.0	88.7	89.2
K18-RS6	82.3	96.0	89.3	89.2
LIFEGUARD	80.7	99.0	87.7	89.1
EXPANSE (PPG-TF 262)	81.3	99.0	87.0	89.1
VALSETZ (PPG-TF 257)	76.0	99.0	92.3	89.1
DRAGSTER	78.3	99.0	89.7	89.0
TD2	76.3	99.0	91.7	89.0
OKEEFE (LTP-TF-122)	77.0	99.0	90.7	88.9
AVENGER III (PPG-TF 308)	78.0	99.0	89.3	88.8
GLX ACED (PST-5DART)	78.7	99.0	88.3	88.7
ESSENTIAL 2 (DLFPS-TF/3552)	79.7	99.0	87.0	88.6
BLADERUNNER 3 (DLFPS-321/3701)	79.3	99.0	87.0	88.4
DLFPS-321/3694	77.0	99.0	89.3	88.4
SYMPHONY (PPG-TF 305)	77.3	99.0	89.0	88.4
FIREHAWK SLT	77.0	99.0	89.0	88.3
GLX REVIVE (PST-5GLBS)	75.7	99.0	90.3	88.3
STEALTH (PPG-TF 238)	76.7	99.0	89.0	88.2
BRAVO 2	80.7	99.0	84.7	88.1
ROVER (PPG-TF 306)	75.3	99.0	90.0	88.1
ESTRENA	79.3	99.0	85.3	87.9
RC4	75.3	99.0	89.3	87.9
PROVIDENCE (GO-RH20)	75.3	99.0	89.0	87.8
DLFPS-321/3693	71.3	99.0	92.7	87.7
PPG-TF 316	74.7	99.0	89.3	87.7
RAPTOR III	75.7	99.0	88.3	87.7

TABLE 22.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	OK1	TN1	MEAN
RHL2	79.3	96.0	87.7	87.7
A-TF31	76.3	99.0	87.3	87.6
DLFPS-TF/3553	73.7	99.0	89.7	87.4
K18-NSE	80.7	91.0	90.7	87.4
BENTLEY (DLFPS-321/3679)	72.0	99.0	91.3	87.4
RAPTOR LS (PPG-TF 336)	72.0	99.0	91.3	87.4
TITAN MAX (TF456)	73.3	99.0	90.0	87.4
PST-5THM	75.7	99.0	87.3	87.3
SPYDER 2LS (ZRCL)	72.7	99.0	89.7	87.1
BAR 9FE MAS	76.0	99.0	86.3	87.1
DLFPS-321/3708	73.0	99.0	89.3	87.1
TRIAD (PPG-TF 323)	74.0	99.0	88.3	87.1
BULLSEYE LTZ	72.0	99.0	90.0	87.0
JT 233	76.3	99.0	85.7	87.0
KIZZLE (K18-ROE)	72.7	99.0	89.3	87.0
BAR-FA8230	77.0	99.0	84.7	86.9
KENTUCKY-31	73.7	99.0	88.0	86.9
GRANDE 3	70.3	99.0	91.3	86.9
COL-TF-148	77.7	92.7	90.0	86.8
ZION (BAR TF 134)	73.0	99.0	88.3	86.8
GALLARDO (DLFPS-TF/3550)	73.3	99.0	87.7	86.7
SR 8700 (TMT1)	71.7	99.0	89.3	86.7
TALLADEGA II (NAI-3N2)	73.7	99.0	87.3	86.7
PARAMOUNT	72.7	99.0	88.0	86.6
3B2	73.3	99.0	87.0	86.4
TITAN GLX (TF445)	74.0	99.0	86.3	86.4
DLFPS-321/3703	71.0	99.0	89.0	86.3
DLFPS-321/3707	72.3	99.0	87.7	86.3
ENDGAME (3N1)	72.0	99.0	88.0	86.3
PPG-TF 249	74.0	99.0	85.7	86.2
PST-5MINK	68.7	99.0	91.0	86.2
GALACTIC (SESCR1)	68.7	99.0	90.7	86.1
RACEWAY (DLFPS-321/3696)	70.7	99.0	88.7	86.1
HEMI	71.0	99.0	88.3	86.1
PST-5TRN	71.3	99.0	88.0	86.1
BANDIT	73.3	99.0	85.7	86.0
BULLSEYE	71.3	99.0	87.3	85.9
TANK (PPG-TF 338)	70.3	99.0	88.3	85.9
DYNAMITE G-LS (PPG-TF 254)	69.0	99.0	89.3	85.8
FINELAWN SUPREME (RH3)	71.3	99.0	87.0	85.8
RDC	70.3	99.0	88.0	85.8
COPIOUS TF	72.7	99.0	85.3	85.7
RHF	72.0	99.0	86.0	85.7
ATF2116	71.7	99.0	86.0	85.6
FIRECRACKER G-LS (PPG-TF 315)	66.7	99.0	91.0	85.6
HELLCAT GLR (PST-5E6)	69.7	99.0	88.0	85.6
TITANIUM G-LS (PPG-TF 255)	68.7	99.0	88.7	85.4

TABLE 22.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	OK1	TN1	MEAN
NATURALLY GREEN	69.0	99.0	88.3	85.4
XANADU (JT 268)	71.3	99.0	86.0	85.4
PST-5GQ	72.0	99.0	85.0	85.3
FAYETTE	67.0	99.0	89.7	85.2
TOPSHELF (BGR-TF3)	69.0	99.0	87.7	85.2
ORIOLE (PST-5BYOB)	70.3	99.0	86.3	85.2
MOONDANCE GLX	68.0	99.0	88.0	85.0
PPG-TF 231	66.7	99.0	89.3	85.0
ATF1768	67.7	99.0	88.0	84.9
LBF	64.0	99.0	91.7	84.9
RAD-TF105	65.0	99.0	90.0	84.7
TANGO	68.7	99.0	86.3	84.7
EXTRAVAGANZA (PST-5MCMO)	66.0	99.0	88.7	84.6
BIRMINGHAM	68.3	99.0	86.3	84.6
MONUMENT (PST-5SQB)	69.7	99.0	84.7	84.4
BONFIRE (JS DTT)	67.0	99.0	87.3	84.4
NAI-FQZ-17	68.0	99.0	86.3	84.4
SETFM3	66.3	99.0	88.0	84.4
AST8218LM	68.0	99.0	86.0	84.3
NAI-ST5	68.0	99.0	86.0	84.3
AST8118LM	69.0	99.0	84.7	84.2
SETFM2	66.7	99.0	86.7	84.1
SOUTHSIDE (PPG-TF 267)	65.3	99.0	88.0	84.1
GRO-PRO (SE53D2)	67.0	99.0	86.0	84.0
LAFAYETTE (GO-AOMK)	65.7	99.0	87.0	83.9
OG-WALK	67.7	99.0	84.7	83.8
BAR FA 8228	63.0	99.0	89.3	83.8
FAIRFIELD (SETF104)	65.3	99.0	86.3	83.6
JT 517	61.7	99.0	89.0	83.2
ROWDIER (DLFPS-321/3699)	61.3	99.0	89.0	83.1
PST-5DZM	65.3	99.0	85.0	83.1
TOUGH (NAI-TUE)	63.0	99.0	86.7	82.9
PST-5DC24	62.7	99.0	87.0	82.9
PALOMAR	64.0	99.0	85.0	82.7
GRAND PRIX (FC15-01P)	61.0	99.0	84.3	81.4
SE5STAR	67.3	92.7	84.3	81.4
RAD-TF131	59.0	91.0	85.0	78.3
RAD-TF115 (TURBO SS)	64.0	78.7	87.7	76.8
LSD VALUE	14.2	5.2	6.4	5.5
C.V. (%)	12.0	3.3	4.5	6.8

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

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

TABLE 23.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
VALSETZ (PPG-TF 257)	89.3	97.7	99.0	87.0	93.3
DAYBREAK (AH2)	92.0	96.0	99.0	85.7	93.2
PPG-TF 318	87.7	97.3	99.0	85.7	92.4
CLASH (AH1)	89.0	96.3	97.7	86.3	92.3
GALLARDO (DLFPS-TF/3550)	90.7	96.3	99.0	83.3	92.3
FINELAWN SUPREME (RH3)	93.3	92.7	99.0	84.0	92.3
CAPITAN (DLFPS-321/3705)	87.7	95.7	99.0	86.0	92.1
DLFPS-321/3695	85.0	99.0	99.0	84.7	91.9
ROVER (PPG-TF 306)	92.7	92.7	99.0	83.3	91.9
ESSENTIAL 2 (DLFPS-TF/3552)	88.7	97.7	99.0	82.0	91.8
FIRECRACKER G-LS (PPG-TF 315)	89.7	92.7	99.0	86.0	91.8
TEACHER (PPG-TF 313)	90.3	91.0	99.0	86.0	91.6
GLX ACED (PST-5DART)	86.7	98.7	99.0	81.7	91.5
DEGAS (LTP-TF-111)	92.0	91.3	99.0	83.7	91.5
PST-5THM	85.3	94.7	99.0	87.0	91.5
RHL2	87.3	91.0	99.0	88.7	91.5
DRAGSTER	89.3	91.3	99.0	86.3	91.5
DLFPS-321/3694	84.3	97.7	97.7	86.0	91.4
MOONDANCE GLX	90.7	96.0	99.0	80.0	91.4
DLFPS-321/3693	86.3	96.3	99.0	83.7	91.3
GRANDE 3	87.0	96.0	99.0	83.3	91.3
AVENGER III (PPG-TF 308)	83.3	99.0	97.7	85.0	91.3
DLFPS-321/3706	85.3	94.7	97.7	87.0	91.2
ZION (BAR TF 134)	86.3	93.0	99.0	86.3	91.2
3B2	83.3	96.0	99.0	86.0	91.1
FASTLANE (BY-TF-169)	86.7	93.0	97.7	86.3	90.9
MONUMENT (PST-5SQB)	84.3	94.7	99.0	85.7	90.9
SR 8700 (TMT1)	77.3	97.7	99.0	89.7	90.9
FIREHAWK SLT	85.7	93.0	99.0	85.7	90.8
RAPTOR LS (PPG-TF 336)	89.3	91.3	97.7	85.0	90.8
NAI-ST5	84.7	94.7	99.0	83.7	90.5
BLADERUNNER 3 (DLFPS-321/3701)	85.3	96.0	97.7	83.0	90.5
GRO-PRO (SE53D2)	87.3	97.7	99.0	77.7	90.4
RAPTOR III	87.7	91.3	99.0	83.7	90.4
RC4	88.0	89.3	99.0	85.0	90.3
SYMPHONY (PPG-TF 305)	87.3	91.3	99.0	83.7	90.3
KIZZLE (K18-ROE)	86.7	94.7	99.0	80.7	90.3
PPG-TF 231	83.7	99.0	99.0	79.3	90.3
PPG-TF 312	86.0	93.0	97.7	84.3	90.3
PROVIDENCE (GO-RH20)	75.0	99.0	99.0	87.7	90.2
SPYDER 2LS (ZRC1)	83.0	99.0	99.0	79.7	90.2
NT-3	86.7	92.3	99.0	82.3	90.1
K18-WB1	88.7	89.7	99.0	82.7	90.0
COL-TF-148	85.7	88.3	99.0	87.0	90.0
RHF	91.0	85.0	99.0	85.0	90.0
TALLADEGA II (NAI-3N2)	79.7	93.0	99.0	88.3	90.0
FAYETTE	79.0	99.0	99.0	82.7	89.9

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
PPG-TF 337	78.3	97.7	99.0	84.7	89.9
FALCON SUPREME (RH1)	84.3	93.0	99.0	83.3	89.9
ESCALADE	75.7	97.7	99.0	87.0	89.8
PPG-TF 249	78.3	99.0	99.0	83.0	89.8
DLFPS-321/3703	83.7	93.0	99.0	83.3	89.8
GALACTIC (SESCR1)	81.7	94.7	97.7	84.7	89.7
TOPSHELF (BGR-TF3)	77.0	97.3	97.7	86.7	89.7
ATF2116	78.3	96.0	99.0	85.3	89.7
LIFEGUARD	81.3	93.0	99.0	85.3	89.7
TITAN MAX (TF456)	82.7	93.0	99.0	83.7	89.6
DLFPS-321/3707	80.0	94.3	99.0	85.0	89.6
PARAMOUNT	80.3	94.3	99.0	84.7	89.6
EXTRAVAGANZA (PST-5MCMO)	83.0	91.7	97.7	85.7	89.5
EXPANSE (PPG-TF 262)	81.7	96.0	97.7	82.7	89.5
BONFIRE (JS DTT)	85.0	91.3	97.7	84.0	89.5
ORIOLE (PST-5BYOB)	80.0	97.7	99.0	81.3	89.5
DYNAMITE G-LS (PPG-TF 254)	83.3	92.7	99.0	82.7	89.4
PRO GOLD	84.3	93.0	97.7	82.7	89.4
RACEWAY (DLFPS-321/3696)	81.0	93.0	97.7	86.0	89.4
STEALTH (PPG-TF 238)	81.0	96.0	99.0	81.7	89.4
ATF1768	82.7	88.3	99.0	87.3	89.3
BATTLE HAWK (NAI-ROS4)	81.0	93.0	99.0	84.3	89.3
HEMI	82.0	90.0	99.0	86.3	89.3
RS1	82.0	91.3	99.0	84.7	89.3
TANK (PPG-TF 338)	79.3	96.0	99.0	82.7	89.3
DLFPS-TF/3553	84.3	88.0	99.0	85.3	89.2
HOUNDOG NINE (DLFPS-321/3702)	86.3	92.7	96.3	81.3	89.2
PST-5TRN	84.7	93.0	99.0	79.7	89.1
TRIAD (PPG-TF 323)	80.0	94.7	99.0	82.7	89.1
SERENADE (PPG-TF 320)	82.3	89.7	99.0	85.3	89.1
K18-NSE	93.7	78.3	99.0	85.0	89.0
PPG-TF 316	83.7	96.3	99.0	77.0	89.0
AST8218LM	77.3	96.0	97.7	84.3	88.8
FIRENZA II (PPG-TF 244)	83.3	94.3	99.0	78.7	88.8
TD2	88.3	85.0	97.7	84.3	88.8
HELLCAT GLR (PST-5E6)	86.0	89.7	97.7	81.7	88.8
JT 233	77.3	97.7	99.0	81.0	88.8
TITANIUM G-LS (PPG-TF 255)	79.3	91.0	99.0	85.7	88.8
ROWDIER (DLFPS-321/3699)	78.3	94.7	99.0	82.7	88.7
BENTLEY (DLFPS-321/3679)	76.7	93.0	99.0	85.7	88.6
PST-5GQ	82.0	89.7	97.7	84.7	88.5
TANGO	72.7	94.7	99.0	87.7	88.5
BULLSEYE	72.3	97.7	99.0	85.0	88.5
RDC	85.7	88.0	99.0	80.7	88.3
OKEEFE (LTP-TF-122)	80.3	89.7	99.0	83.7	88.2
XANADU (JT 268)	76.0	97.7	99.0	80.0	88.2
BRAVO 2	76.3	96.3	97.7	82.3	88.2

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
KENTUCKY-31	78.7	96.0	97.7	80.0	88.1
5LSS	81.7	88.3	99.0	83.0	88.0
SOUTHSIDE (PPG-TF 267)	76.7	91.0	99.0	85.0	87.9
LBF	77.3	94.7	97.7	81.7	87.8
PST-5DZM	77.7	91.7	99.0	83.0	87.8
PADRE 2	80.0	91.3	99.0	81.0	87.8
PALOMAR	72.3	96.0	99.0	83.7	87.8
ENDGAME (3N1)	87.0	85.0	99.0	79.7	87.7
K18-RS6	81.3	85.0	99.0	85.3	87.7
NAI-FQZ-17	78.3	95.7	99.0	77.3	87.6
BAR 9FE MAS	77.0	90.0	97.7	85.0	87.4
TITAN GLX (TF445)	77.3	89.7	99.0	83.0	87.3
GLX REVIVE (PST-5GLBS)	76.0	89.7	99.0	84.0	87.2
BULLSEYE LTZ	75.7	88.3	99.0	85.0	87.0
LAFAYETTE (GO-AOMK)	70.3	93.3	99.0	85.3	87.0
RAD-TF105	69.3	91.3	99.0	87.0	86.7
BANDIT	75.3	89.7	99.0	80.7	86.2
BIRMINGHAM	68.3	94.7	99.0	82.7	86.2
NATURALLY GREEN	68.0	91.0	97.7	88.0	86.2
PST-5DC24	74.7	90.0	99.0	80.7	86.1
SE5STAR	80.0	83.3	99.0	82.0	86.1
A-TF31	73.3	88.0	96.3	86.3	86.0
AST8118LM	70.0	89.7	97.7	86.3	85.9
ESTRENA	69.3	94.3	99.0	80.0	85.7
OG-WALK	74.3	93.0	97.7	77.0	85.5
TOUGH (NAI-TUE)	74.7	86.7	99.0	81.3	85.4
PST-5MINK	73.3	96.0	99.0	72.7	85.3
BAR-FA8230	74.7	85.0	99.0	81.7	85.1
DLFPS-321/3708	71.3	86.7	97.7	84.7	85.1
GRAND PRIX (FC15-01P)	76.3	79.7	99.0	85.0	85.0
JT 517	68.7	88.3	97.7	85.3	85.0
COPIOUS TF	79.3	80.0	99.0	80.7	84.8
FAIRFIELD (SETF104)	73.3	81.7	99.0	82.3	84.1
BAR FA 8228	74.3	88.3	99.0	73.7	83.8
SETFM3	70.0	86.7	97.7	73.7	82.0
SETFM2	57.7	85.0	99.0	78.3	80.0
RAD-TF131	68.3	75.0	97.7	78.0	79.8
RAD-TF115 (TURBO SS)	71.7	58.3	99.0	81.0	77.5
LSD VALUE	14.0	14.1	1.8	7.9	5.4
C.V. (%)	10.7	9.5	1.2	5.9	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 24.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
3B2	98.7	99.0	99.0	92.0	97.2
SR 8700 (TMT1)	98.7	99.0	99.0	91.3	97.0
DLFPS-321/3694	98.7	99.0	99.0	91.0	96.9
VALSETZ (PPG-TF 257)	99.0	99.0	99.0	90.7	96.9
DLFPS-321/3695	98.7	99.0	99.0	90.7	96.8
FASTLANE (BY-TF-169)	98.7	99.0	99.0	90.7	96.8
HEMI	98.3	99.0	99.0	91.0	96.8
MONUMENT (PST-5SQB)	98.0	99.0	99.0	91.3	96.8
PROVIDENCE (GO-RH20)	99.0	99.0	99.0	90.0	96.8
FIREHAWK SLT	99.0	99.0	99.0	89.7	96.7
PPG-TF 318	98.7	99.0	99.0	90.0	96.7
CAPITAN (DLFPS-321/3705)	99.0	99.0	97.7	90.7	96.6
PST-5THM	98.3	97.7	99.0	91.3	96.6
TOPSHELF (BGR-TF3)	97.3	99.0	99.0	91.0	96.6
ESCALADE	98.7	99.0	99.0	89.3	96.5
PPG-TF 249	99.0	99.0	99.0	89.0	96.5
NT-3	98.0	97.7	99.0	91.0	96.4
TEACHER (PPG-TF 313)	98.7	97.7	99.0	90.3	96.4
BENTLEY (DLFPS-321/3679)	98.3	99.0	99.0	89.3	96.4
TITAN GLX (TF445)	98.7	99.0	99.0	88.7	96.3
ZION (BAR TF 134)	99.0	97.7	99.0	89.7	96.3
DRAGSTER	99.0	96.0	99.0	91.3	96.3
LAFAYETTE (GO-AOMK)	97.0	99.0	99.0	90.3	96.3
ROVER (PPG-TF 306)	99.0	99.0	99.0	88.3	96.3
RACEWAY (DLFPS-321/3696)	98.0	99.0	99.0	89.0	96.3
SYMPHONY (PPG-TF 305)	99.0	99.0	99.0	88.0	96.3
TRIAD (PPG-TF 323)	97.7	99.0	99.0	89.3	96.3
AVENGER III (PPG-TF 308)	98.3	99.0	97.7	89.7	96.2
DAYBREAK (AH2)	98.7	96.0	99.0	90.7	96.1
EXTRAVAGANZA (PST-5MCMO)	99.0	97.7	99.0	88.7	96.1
BATTLE HAWK (NAI-ROS4)	99.0	99.0	99.0	87.3	96.1
EXPANSE (PPG-TF 262)	98.3	99.0	99.0	88.0	96.1
RAPTOR LS (PPG-TF 336)	99.0	96.0	99.0	90.3	96.1
HOUNDOG NINE (DLFPS-321/3702)	98.0	99.0	99.0	88.0	96.0
PALOMAR	97.3	99.0	99.0	88.7	96.0
PRO GOLD	98.0	99.0	99.0	88.0	96.0
FIRECRACKER G-LS (PPG-TF 315)	99.0	96.0	99.0	89.7	95.9
NAI-ST5	99.0	99.0	99.0	86.7	95.9
PPG-TF 337	98.0	99.0	99.0	87.7	95.9
FAYETTE	98.3	99.0	99.0	87.3	95.9
DEGAS (LTP-TF-111)	98.7	99.0	99.0	86.7	95.8
GLX ACED (PST-5DART)	98.7	99.0	99.0	86.7	95.8
KIZZLE (K18-ROE)	98.7	99.0	99.0	86.7	95.8
ROWDIER (DLFPS-321/3699)	98.7	99.0	99.0	86.7	95.8
TANK (PPG-TF 338)	98.3	99.0	99.0	87.0	95.8
AST8118LM	98.0	96.0	99.0	90.0	95.8
ATF1768	97.3	96.0	99.0	90.7	95.8

TABLE 24.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
DLFPS-321/3693	98.7	99.0	99.0	86.3	95.8
SERENADE (PPG-TF 320)	97.7	99.0	99.0	87.3	95.8
SPYDER 2LS (ZRC1)	98.7	99.0	99.0	86.3	95.8
PPG-TF 316	98.7	99.0	99.0	86.0	95.7
PPG-TF 312	98.3	96.0	99.0	89.3	95.7
FALCON SUPREME (RH1)	98.7	97.7	99.0	87.0	95.6
DLFPS-321/3707	99.0	96.0	99.0	88.3	95.6
DYNAMITE G-LS (PPG-TF 254)	98.7	94.3	99.0	90.3	95.6
TALLADEGA II (NAI-3N2)	98.3	94.3	99.0	90.7	95.6
TOUGH (NAI-TUE)	98.0	96.0	99.0	89.3	95.6
BLADERUNNER 3 (DLFPS-321/3701)	99.0	99.0	96.0	88.0	95.5
BONFIRE (JS DTT)	98.0	96.0	99.0	89.0	95.5
DLFPS-321/3706	98.7	93.0	99.0	91.3	95.5
JT 233	98.7	99.0	99.0	85.3	95.5
TITAN MAX (TF456)	98.7	99.0	99.0	85.3	95.5
K18-WB1	98.3	94.3	99.0	89.7	95.3
PADRE 2	98.3	96.0	99.0	88.0	95.3
BULLSEYE	98.7	96.0	99.0	87.3	95.3
GLX REVIVE (PST-5GLBS)	98.0	94.7	99.0	89.3	95.3
DLFPS-321/3708	98.3	91.3	99.0	92.3	95.3
GALLARDO (DLFPS-TF/3550)	98.7	99.0	99.0	84.0	95.2
K18-RS6	99.0	94.3	99.0	88.3	95.2
RC4	99.0	92.7	99.0	89.7	95.1
STEALTH (PPG-TF 238)	98.7	96.0	99.0	86.7	95.1
ATF2116	98.0	96.0	99.0	87.3	95.1
DLFPS-321/3703	98.3	96.0	99.0	87.0	95.1
GALACTIC (SESCR1)	99.0	96.0	99.0	86.3	95.1
RHL2	98.7	91.3	99.0	91.3	95.1
FIRENZA II (PPG-TF 244)	98.3	99.0	99.0	83.7	95.0
OG-WALK	96.7	99.0	99.0	85.3	95.0
TITANIUM G-LS (PPG-TF 255)	98.3	92.7	99.0	90.0	95.0
JT 517	98.3	92.7	99.0	89.7	94.9
PST-5DZM	98.0	94.7	99.0	88.0	94.9
BAR 9FE MAS	98.3	93.0	99.0	89.3	94.9
MOONDANCE GLX	98.3	99.0	99.0	83.3	94.9
ORIOLE (PST-5BYOB)	98.3	99.0	99.0	83.3	94.9
PPG-TF 231	98.7	99.0	99.0	82.7	94.8
SOUTHSIDE (PPG-TF 267)	98.7	92.7	99.0	89.0	94.8
TANGO	97.7	91.0	99.0	91.7	94.8
XANADU (JT 268)	98.7	99.0	99.0	82.7	94.8
BULLSEYE LTZ	98.3	94.3	99.0	87.7	94.8
FINELAWN SUPREME (RH3)	98.3	94.3	99.0	87.7	94.8
GRANDE 3	98.3	97.7	99.0	84.3	94.8
PST-5MINK	98.3	99.0	99.0	83.0	94.8
HELLCAT GLR (PST-5E6)	98.7	94.3	99.0	87.0	94.8
PARAMOUNT	98.3	92.7	99.0	88.7	94.7
PST-5GQ	98.0	93.0	99.0	88.7	94.7

TABLE 24.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
RAPTOR III	98.0	94.3	99.0	87.0	94.6
BRAVO 2	98.0	93.3	97.7	89.0	94.5
PST-5DC24	98.3	96.0	99.0	84.7	94.5
NAI-FQZ-17	97.0	96.0	99.0	85.7	94.4
RAD-TF105	98.0	89.7	99.0	91.0	94.4
SE5STAR	98.7	93.0	99.0	87.0	94.4
GRO-PRO (SE53D2)	98.3	99.0	99.0	81.3	94.4
A-TF31	97.7	91.3	99.0	89.3	94.3
ESTRENA	99.0	91.3	99.0	88.0	94.3
KENTUCKY-31	98.3	96.0	99.0	84.0	94.3
LIFEGUARD	98.7	91.3	99.0	88.3	94.3
COL-TF-148	98.3	89.7	99.0	90.0	94.3
RS1	98.7	91.0	99.0	88.3	94.3
DLFPS-TF/3553	98.7	91.3	99.0	87.7	94.2
PST-5TRN	98.0	94.7	99.0	84.7	94.1
5LSS	98.7	91.3	99.0	87.0	94.0
BIRMINGHAM	96.0	96.0	99.0	84.7	93.9
ESSENTIAL 2 (DLFPS-TF/3552)	97.3	92.7	97.7	87.7	93.8
TD2	98.7	91.0	99.0	86.7	93.8
OKEEFE (LTP-TF-122)	99.0	91.3	99.0	86.0	93.8
RHF	98.7	86.3	99.0	91.0	93.8
RAD-TF131	97.3	91.0	99.0	87.0	93.6
K18-NSE	99.0	88.0	99.0	88.0	93.5
LBF	97.7	91.0	99.0	86.3	93.5
BAR FA 8228	97.7	92.7	99.0	83.7	93.3
RDC	98.3	91.3	99.0	83.7	93.1
NATURALLY GREEN	97.0	85.0	99.0	91.0	93.0
ENDGAME (3N1)	98.7	89.7	99.0	84.3	92.9
GRAND PRIX (FC15-01P)	97.0	84.7	99.0	90.7	92.8
SETFM3	98.7	93.0	99.0	80.3	92.8
BANDIT	97.3	91.0	99.0	83.3	92.7
CLASH (AH1)	99.0	86.0	96.0	89.0	92.5
AST8218LM	97.7	86.0	99.0	86.7	92.3
SETFM2	96.7	91.3	99.0	82.0	92.3
BAR-FA8230	97.7	90.0	99.0	82.0	92.2
COPIOUS TF	97.7	81.3	99.0	90.3	92.1
FAIRFIELD (SETF104)	98.0	83.3	99.0	85.0	91.3
RAD-TF115 (TURBO SS)	98.0	74.7	99.0	87.3	89.8
LSD VALUE	1.4	12.2	1.2	6.9	3.5
C.V. (%)	0.9	7.9	0.8	4.9	4.6

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

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

TABLE 25.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	MS1	OK1	MEAN
FIREHAWK SLT	6.0	7.0	6.5
GRANDE 3	6.7	6.3	6.5
NAI-ST5	6.0	7.0	6.5
RAPTOR LS (PPG-TF 336)	6.0	7.0	6.5
A-TF31	6.0	6.7	6.3
ATF1768	5.7	7.0	6.3
BANDIT	6.0	6.7	6.3
BAR 9FE MAS	6.0	6.7	6.3
BAR-FA8230	6.0	6.7	6.3
BATTLE HAWK (NAI-ROS4)	6.0	6.7	6.3
BENTLEY (DLFPS-321/3679)	6.0	6.7	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.7	6.3
BULLSEYE LTZ	6.0	6.7	6.3
DEGAS (LTP-TF-111)	6.0	6.7	6.3
DLFPS-321/3703	6.0	6.7	6.3
DLFPS-TF/3553	6.0	6.7	6.3
ESCALADE	6.0	6.7	6.3
FAIRFIELD (SETF104)	6.0	6.7	6.3
FASTLANE (BY-TF-169)	6.0	6.7	6.3
FAYETTE	6.0	6.7	6.3
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.7	6.3
FIRENZA II (PPG-TF 244)	6.0	6.7	6.3
GRAND PRIX (FC15-01P)	6.0	6.7	6.3
HOUNDOG NINE (DLFPS-321/3702)	6.0	6.7	6.3
K18-WB1	6.0	6.7	6.3
PALOMAR	6.0	6.7	6.3
PPG-TF 249	6.0	6.7	6.3
SOUTHSIDE (PPG-TF 267)	6.0	6.7	6.3
PPG-TF 312	6.0	6.7	6.3
PPG-TF 318	6.0	6.7	6.3
PST-5DC24	5.7	7.0	6.3
PST-5MINK	6.0	6.7	6.3
RACEWAY (DLFPS-321/3696)	6.0	6.7	6.3
ROWDIER (DLFPS-321/3699)	6.0	6.7	6.3
SERENADE (PPG-TF 320)	6.0	6.7	6.3
STEALTH (PPG-TF 238)	6.0	6.7	6.3
SYMPHONY (PPG-TF 305)	5.7	7.0	6.3
TALLADEGA II (NAI-3N2)	6.0	6.7	6.3
TANK (PPG-TF 338)	6.0	6.7	6.3
TEACHER (PPG-TF 313)	6.0	6.7	6.3
TITANIUM G-LS (PPG-TF 255)	5.7	7.0	6.3
TOPSHELF (BGR-TF3)	5.7	7.0	6.3
XANADU (JT 268)	6.0	6.7	6.3
AST8118LM	5.7	6.7	6.2
AST8218LM	5.7	6.7	6.2
ATF2116	5.7	6.7	6.2

TABLE 25.
(CONT'D)

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	MS1	OK1	MEAN
BIRMINGHAM	5.7	6.7	6.2
JT 233	5.7	6.7	6.2
LBF	5.7	6.7	6.2
PPG-TF 316	5.7	6.7	6.2
PROVIDENCE (GO-RH20)	5.7	6.7	6.2
SE5STAR	5.7	6.7	6.2
SETFM2	5.7	6.7	6.2
TANGO	5.7	6.7	6.2
AVENGER III (PPG-TF 308)	6.0	6.3	6.2
BONFIRE (JS DTT)	6.0	6.3	6.2
BULLSEYE	6.0	6.3	6.2
DAYBREAK (AH2)	6.0	6.3	6.2
DLFPS-321/3694	6.0	6.3	6.2
DRAGSTER	6.0	6.3	6.2
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	6.3	6.2
EXTRAVAGANZA (PST-5MCMO)	6.0	6.3	6.2
FALCON SUPREME (RH1)	6.0	6.3	6.2
GALACTIC (SESCR1)	6.0	6.3	6.2
GALLARDO (DLFPS-TF/3550)	6.0	6.3	6.2
GLX ACED (PST-5DART)	6.0	6.3	6.2
GLX REVIVE (PST-5GLBS)	6.0	6.3	6.2
GRO-PRO (SE53D2)	6.0	6.3	6.2
JT 517	6.0	6.3	6.2
KIZZLE (K18-ROE)	6.0	6.3	6.2
LAFAYETTE (GO-AOMK)	5.3	7.0	6.2
MONUMENT (PST-5SQB)	6.0	6.3	6.2
NATURALLY GREEN	6.0	6.3	6.2
OKEEFE (LTP-TF-122)	6.0	6.3	6.2
ORIOLE (PST-5BYOB)	6.0	6.3	6.2
PADRE 2	6.0	6.3	6.2
PPG-TF 231	6.0	6.3	6.2
EXPANSE (PPG-TF 262)	6.0	6.3	6.2
PPG-TF 337	6.0	6.3	6.2
PST-5GQ	6.0	6.3	6.2
PST-5TRN	6.0	6.3	6.2
RC4	6.0	6.3	6.2
RHF	6.0	6.3	6.2
ROVER (PPG-TF 306)	6.0	6.3	6.2
SETFM3	6.0	6.3	6.2
SPYDER 2LS (ZRC1)	6.0	6.3	6.2
TD2	6.0	6.3	6.2
TITAN GLX (TF445)	6.0	6.3	6.2
TITAN MAX (TF456)	6.0	6.3	6.2
TRIAD (PPG-TF 323)	6.0	6.3	6.2
VALSETZ (PPG-TF 257)	6.0	6.3	6.2
3B2	6.0	6.0	6.0
BAR FA 8228	5.7	6.3	6.0

TABLE 25.
(CONT'D)

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	MS1	OK1	MEAN
CAPITAN (DLFPS-321/3705)	6.0	6.0	6.0
CLASH (AH1)	6.0	6.0	6.0
COL-TF-148	6.0	6.0	6.0
COPIOUS TF	5.7	6.3	6.0
DLFPS-321/3693	6.0	6.0	6.0
DLFPS-321/3695	6.0	6.0	6.0
DLFPS-321/3706	6.0	6.0	6.0
DLFPS-321/3707	6.0	6.0	6.0
DYNAMITE G-LS (PPG-TF 254)	5.7	6.3	6.0
ENDGAME (3N1)	6.0	6.0	6.0
HELLCAT GLR (PST-5E6)	6.0	6.0	6.0
K18-NSE	6.0	6.0	6.0
K18-RS6	5.7	6.3	6.0
LIFEGUARD	6.0	6.0	6.0
MOONDANCE GLX	6.0	6.0	6.0
NAI-FQZ-17	5.3	6.7	6.0
NT-3	5.3	6.7	6.0
OG-WALK	5.7	6.3	6.0
PARAMOUNT	6.0	6.0	6.0
PRO GOLD	6.0	6.0	6.0
RAD-TF105	5.3	6.7	6.0
RAD-TF115 (TURBO SS)	5.3	6.7	6.0
RAPTOR III	6.0	6.0	6.0
RS1	6.0	6.0	6.0
SR 8700 (TMT1)	6.0	6.0	6.0
TOUGH (NAI-TUE)	5.3	6.7	6.0
5LSS	5.7	6.0	5.8
DLFPS-321/3708	5.0	6.7	5.8
ESTRENA	6.0	5.7	5.8
HEMI	5.7	6.0	5.8
PST-5THM	6.0	5.7	5.8
RAD-TF131	5.0	6.7	5.8
RHL2	6.0	5.7	5.8
ZION (BAR TF 134)	6.0	5.7	5.8
FINELAWN SUPREME (RH3)	5.3	6.3	5.8
PST-5DZM	5.3	6.3	5.8
RDC	5.3	6.3	5.8
BRAVO 2	5.0	6.3	5.7
KENTUCKY-31	5.7	4.0	4.8
LSD VALUE	0.5	0.9	0.5
C.V. (%)	5.0	9.1	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 26.

DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IN1
BATTLE HAWK (NAI-ROS4)	7.3
RC4	7.3
RHL2	7.3
STEALTH (PPG-TF 238)	7.3
5LSS	7.0
BONFIRE (JS DTT)	7.0
CAPITAN (DLFPS-321/3705)	7.0
FINELAWN SUPREME (RH3)	7.0
PPG-TF 312	7.0
PROVIDENCE (GO-RH20)	7.0
ROVER (PPG-TF 306)	7.0
ROWDIER (DLFPS-321/3699)	7.0
SERENADE (PPG-TF 320)	7.0
SETFM3	7.0
SPYDER 2LS (ZRC1)	7.0
TALLADEGA II (NAI-3N2)	7.0
AST8118LM	6.7
AVENGER III (PPG-TF 308)	6.7
DLFPS-321/3693	6.7
ESCALADE	6.7
FIRECRACKER G-LS (PPG-TF 315)	6.7
GLX REVIVE (PST-5GLBS)	6.7
GRO-PRO (SE53D2)	6.7
HEMI	6.7
HOUNDOG NINE (DLFPS-321/3702)	6.7
LBF	6.7
MOONDANCE GLX	6.7
NT-3	6.7
OKEEFE (LTP-TF-122)	6.7
PPG-TF 249	6.7
PPG-TF 316	6.7
PRO GOLD	6.7
PST-5TRN	6.7
RAPTOR LS (PPG-TF 336)	6.7
RDC	6.7
TANK (PPG-TF 338)	6.7
TEACHER (PPG-TF 313)	6.7
XANADU (JT 268)	6.7
3B2	6.3
ATF1768	6.3
BAR-FA8230	6.3
BULLSEYE	6.3
FASTLANE (BY-TF-169)	6.3
GALACTIC (SESCR1)	6.3
GLX ACED (PST-5DART)	6.3
GRANDE 3	6.3

TABLE 26.
(CONT'D)

DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IN1
JT 233	6.3
K18-RS6	6.3
MONUMENT (PST-5SQB)	6.3
PADRE 2	6.3
PARAMOUNT	6.3
PPG-TF 231	6.3
PST-5DC24	6.3
RAD-TF115 (TURBO SS)	6.3
RHF	6.3
RS1	6.3
SE5STAR	6.3
TD2	6.3
TITAN GLX (TF445)	6.3
TOUGH (NAI-TUE)	6.3
VALSETZ (PPG-TF 257)	6.3
ATF2116	6.0
BAR FA 8228	6.0
BULLSEYE LTZ	6.0
CLASH (AH1)	6.0
DAYBREAK (AH2)	6.0
DEGAS (LTP-TF-111)	6.0
DLFPS-321/3695	6.0
DLFPS-321/3706	6.0
DLFPS-321/3707	6.0
DRAGSTER	6.0
DYNAMITE G-LS (PPG-TF 254)	6.0
ENDGAME (3N1)	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.0
EXTRAVAGANZA (PST-5MCMO)	6.0
FAIRFIELD (SETF104)	6.0
FAYETTE	6.0
FIREHAWK SLT	6.0
GALLARDO (DLFPS-TF/3550)	6.0
GRAND PRIX (FC15-01P)	6.0
HELLCAT GLR (PST-5E6)	6.0
JT 517	6.0
K18-WB1	6.0
KENTUCKY-31	6.0
KIZZLE (K18-ROE)	6.0
NATURALLY GREEN	6.0
OG-WALK	6.0
EXPANSE (PPG-TF 262)	6.0
SOUTHSIDE (PPG-TF 267)	6.0
PST-5DZM	6.0
PST-5GQ	6.0
PST-5THM	6.0
RACEWAY (DLFPS-321/3696)	6.0

TABLE 26.
(CONT'D)

DROUGHT TOLERANCE (WILTING) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IN1
RAD-TF105	6.0
RAD-TF131	6.0
RAPTOR III	6.0
SETFM2	6.0
SR 8700 (TMT1)	6.0
TANGO	6.0
TITAN MAX (TF456)	6.0
TITANIUM G-LS (PPG-TF 255)	6.0
TOPSHELF (BGR-TF3)	6.0
TRIAD (PPG-TF 323)	6.0
BANDIT	5.7
BAR 9FE MAS	5.7
BENTLEY (DLFPS-321/3679)	5.7
BIRMINGHAM	5.7
BLADERUNNER 3 (DLFPS-321/3701)	5.7
BRAVO 2	5.7
COL-TF-148	5.7
DLFPS-321/3694	5.7
DLFPS-TF/3553	5.7
ESTRENA	5.7
FALCON SUPREME (RH1)	5.7
FIRENZA II (PPG-TF 244)	5.7
LIFEGUARD	5.7
NAI-FQZ-17	5.7
ORIOLE (PST-5BYOB)	5.7
PPG-TF 318	5.7
PST-5MINK	5.7
SYMPHONY (PPG-TF 305)	5.7
ZION (BAR TF 134)	5.7
A-TF31	5.3
AST8218LM	5.3
DLFPS-321/3703	5.3
DLFPS-321/3708	5.3
LAFAYETTE (GO-AOMK)	5.3
NAI-ST5	5.3
COPIOUS TF	5.0
K18-NSE	5.0
PALOMAR	5.0
PPG-TF 337	5.0
LSD VALUE	1.4
C.V. (%)	14.3

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

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

TABLE 27. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	DE1	IN1	NC1	VA1	MEAN
TITANIUM G-LS (PPG-TF 255)	6.3	6.7	7.7	5.3	6.5
AVENGER III (PPG-TF 308)	6.0	5.7	8.0	5.3	6.3
RHF	6.3	6.3	7.3	5.0	6.3
CAPITAN (DLFPS-321/3705)	6.0	6.3	6.7	5.7	6.2
DLFPS-321/3693	6.3	6.0	7.3	5.0	6.2
DAYBREAK (AH2)	6.3	6.3	6.7	5.0	6.1
PARAMOUNT	5.3	8.3	5.3	5.3	6.1
PPG-TF 312	6.0	5.3	7.3	5.7	6.1
RAPTOR LS (PPG-TF 336)	5.7	6.3	6.3	5.7	6.0
RHL2	6.3	6.3	6.0	5.3	6.0
DEGAS (LTP-TF-111)	4.7	7.7	5.3	6.0	5.9
ROVER (PPG-TF 306)	5.7	7.0	4.7	6.3	5.9
RS1	5.7	5.7	6.7	5.7	5.9
PROVIDENCE (GO-RH20)	6.0	7.0	5.3	5.3	5.9
BATTLE HAWK (NAI-ROS4)	6.0	6.3	5.3	5.7	5.8
FINELAWN SUPREME (RH3)	4.7	8.7	5.0	5.0	5.8
TITAN GLX (TF445)	5.3	6.0	6.3	5.7	5.8
TOUGH (NAI-TUE)	5.0	6.3	6.0	6.0	5.8
BONFIRE (JS DTT)	5.7	5.0	7.3	5.0	5.8
COL-TF-148	5.3	7.3	5.7	4.7	5.8
JT 233	5.0	6.7	6.0	5.3	5.8
PST-5TRN	6.3	6.0	5.7	5.0	5.8
TEACHER (PPG-TF 313)	5.3	6.7	6.0	5.0	5.8
STEALTH (PPG-TF 238)	5.3	6.0	6.7	4.7	5.7
TITAN MAX (TF456)	5.0	5.7	7.0	5.0	5.7
KENTUCKY-31	5.0	7.7	5.0	4.7	5.6
MOONDANCE GLX	5.7	5.7	5.3	5.7	5.6
DLFPS-321/3694	5.3	5.3	7.0	4.7	5.6
FIRENZA II (PPG-TF 244)	5.7	5.3	6.0	5.3	5.6
SERENADE (PPG-TF 320)	5.0	6.3	6.3	4.7	5.6
SPYDER 2LS (ZRC1)	5.7	5.0	5.7	5.7	5.5
CLASH (AH1)	6.0	5.3	5.7	5.0	5.5
DLFPS-321/3695	5.0	5.7	6.3	5.0	5.5
DLFPS-321/3706	4.7	5.7	5.7	6.0	5.5
ESSENTIAL 2 (DLFPS-TF/3552)	5.0	6.0	5.3	5.7	5.5
FIRECRACKER G-LS (PPG-TF 315)	5.0	5.0	6.7	5.3	5.5
GLX REVIVE (PST-5GLBS)	5.7	5.3	6.0	5.0	5.5
HOUNDOG NINE (DLFPS-321/3702)	6.3	5.3	4.3	6.0	5.5
BULLSEYE LTZ	5.3	5.0	6.3	5.3	5.5
HEMI	5.3	5.0	6.3	5.3	5.5
OKEEFE (LTP-TF-122)	5.3	6.0	5.3	5.3	5.5
TANK (PPG-TF 338)	5.0	5.3	7.3	4.3	5.5
XANADU (JT 268)	5.3	6.3	5.0	5.3	5.5
ENDGAME (3N1)	6.7	5.3	4.7	5.0	5.4
PRO GOLD	6.0	5.3	4.7	5.7	5.4
DLFPS-TF/3553	5.3	5.7	6.3	4.3	5.4

TABLE 27.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	DE1	IN1	NC1	VA1	MEAN
PPG-TF 231	5.3	6.0	5.3	5.0	5.4
PPG-TF 337	5.3	4.3	6.7	5.3	5.4
RAPTOR III	5.7	5.3	5.3	5.3	5.4
NT-3	5.7	5.7	4.3	5.7	5.3
5LSS	6.0	4.7	5.3	5.3	5.3
ORIOLE (PST-5BYOB)	6.0	5.0	5.3	5.0	5.3
DLFPS-321/3708	5.3	4.3	5.3	6.0	5.3
NAI-ST5	5.7	6.0	4.0	5.3	5.3
PPG-TF 318	5.3	3.7	5.7	6.3	5.3
TALLADEGA II (NAI-3N2)	5.0	7.0	4.3	4.7	5.3
TRIAD (PPG-TF 323)	4.7	6.3	4.3	5.7	5.3
TANGO	6.0	5.3	5.3	4.3	5.3
ZION (BAR TF 134)	4.3	6.0	5.3	5.3	5.3
DLFPS-321/3707	5.0	5.7	5.7	4.3	5.2
FALCON SUPREME (RH1)	4.7	6.7	5.3	4.0	5.2
K18-RS6	5.3	5.7	5.0	4.7	5.2
KIZZLE (K18-ROE)	5.7	5.7	4.0	5.3	5.2
PADRE 2	5.7	5.0	4.7	5.3	5.2
PST-5THM	5.3	6.0	4.7	4.7	5.2
GALLARDO (DLFPS-TF/3550)	5.3	5.3	5.0	5.0	5.2
LIFEGUARD	5.3	5.3	5.0	5.0	5.2
GRANDE 3	6.3	5.7	3.3	5.0	5.1
RACEWAY (DLFPS-321/3696)	5.0	5.0	6.7	3.7	5.1
EXPANSE (PPG-TF 262)	4.7	6.3	5.3	4.0	5.1
SETFM3	5.3	4.7	6.0	4.3	5.1
SR 8700 (TMT1)	6.3	4.3	4.7	5.0	5.1
GALACTIC (SESCR1)	5.3	6.3	3.3	5.0	5.0
GLX ACED (PST-5DART)	5.3	5.0	5.0	4.7	5.0
PPG-TF 316	5.3	4.3	5.7	4.7	5.0
RC4	4.7	5.0	5.0	5.3	5.0
TD2	5.3	4.0	5.7	5.0	5.0
BAR-FA8230	5.3	6.0	4.3	4.3	5.0
GRANDER (PPG-TF 267)	5.0	4.3	6.3	4.3	5.0
K18-WB1	5.3	6.0	4.3	4.3	5.0
ATF2116	5.3	4.0	5.7	4.7	4.9
DYNAMITE G-LS (PPG-TF 254)	5.0	4.0	5.0	5.7	4.9
FASTLANE (BY-TF-169)	5.7	5.0	3.3	5.7	4.9
K18-NSE	5.7	5.7	4.0	4.3	4.9
RAD-TF105	5.7	4.3	4.7	5.0	4.9
DLFPS-321/3703	6.0	5.3	3.7	4.7	4.9
FIREHAWK SLT	5.3	4.0	5.3	5.0	4.9
GRO-PRO (SE53D2)	5.3	5.0	4.3	5.0	4.9
HELLCAT GLR (PST-5E6)	5.3	5.0	4.3	5.0	4.9
ROWDIER (DLFPS-321/3699)	5.7	5.3	3.7	5.0	4.9
DRAGSTER	5.7	5.7	3.0	5.0	4.8
RDC	5.3	4.7	4.7	4.7	4.8
ESTRENA	5.0	3.7	5.3	5.3	4.8

TABLE 27.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	DE1	IN1	NC1	VA1	MEAN
EXTRAVAGANZA (PST-5MCMO)	6.0	3.7	4.3	5.3	4.8
FAYETTE	5.0	5.7	4.3	4.3	4.8
RAD-TF131	5.0	5.0	4.0	5.3	4.8
SYMPHONY (PPG-TF 305)	4.3	4.0	5.3	5.7	4.8
3B2	5.7	5.0	4.0	4.3	4.8
ATF1768	5.0	4.3	5.0	4.7	4.8
BRAVO 2	5.7	5.3	4.3	3.7	4.8
MONUMENT (PST-5SQB)	5.0	5.0	4.3	4.7	4.8
PPG-TF 249	5.3	4.0	4.7	5.0	4.8
PST-5DC24	5.3	4.7	4.0	5.0	4.8
VALSETZ (PPG-TF 257)	5.0	5.0	4.7	4.3	4.8
BANDIT	5.7	4.7	4.0	4.3	4.7
FAIRFIELD (SETF104)	5.0	5.7	3.3	4.7	4.7
PST-5DZM	4.3	4.3	4.7	5.3	4.7
SE5STAR	5.3	5.3	3.7	4.3	4.7
LAFAYETTE (GO-AOMK)	5.0	5.3	3.7	4.3	4.6
BAR 9FE MAS	4.7	6.7	2.7	4.0	4.5
BENTLEY (DLFPS-321/3679)	5.3	4.3	3.7	4.7	4.5
BLADERUNNER 3 (DLFPS-321/3701)	5.3	4.3	3.3	5.0	4.5
NATURALLY GREEN	4.7	6.0	3.3	4.0	4.5
PST-5GQ	6.0	3.7	3.7	4.7	4.5
BULLSEYE	4.0	5.3	4.3	4.0	4.4
LBF	5.3	5.0	3.7	3.7	4.4
PALOMAR	4.7	4.7	4.3	3.7	4.3
ESCALADE	4.3	4.7	4.0	4.0	4.3
JT 517	5.7	4.0	3.0	4.3	4.3
PST-5MINK	5.0	4.3	2.7	5.0	4.3
RAD-TF115 (TURBO SS)	4.3	5.0	2.7	5.0	4.3
COPIOUS TF	5.3	2.7	4.0	4.7	4.2
BAR FA 8228	4.7	4.7	3.0	4.0	4.1
AST8218LM	5.0	3.7	4.0	3.7	4.1
GRAND PRIX (FC15-01P)	4.7	3.3	5.0	3.3	4.1
SETFM2	4.7	4.7	3.7	3.3	4.1
TOPSHELF (BGR-TF3)	4.7	4.7	3.3	3.3	4.0
BIRMINGHAM	5.3	4.0	2.7	4.0	4.0
NAI-FQZ-17	5.3	4.0	3.0	3.7	4.0
AST8118LM	4.7	4.0	3.0	4.0	3.9
A-TF31	3.7	3.3	4.7	3.3	3.8
OG-WALK	3.7	4.7	3.0	3.3	3.7
LSD VALUE	1.5	2.3	2.2	1.6	1.0
C.V. (%)	17.3	26.6	27.4	20.8	23.4

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 28.

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	OK1
AVENGER III (PPG-TF 308)	9.0
DLFPS-321/3695	9.0
FAYETTE	9.0
JT 233	9.0
PPG-TF 231	9.0
MOONDANCE GLX	8.7
PALOMAR	8.7
AST8218LM	8.3
BIRMINGHAM	8.3
DAYBREAK (AH2)	8.3
DLFPS-321/3694	8.3
GLX ACED (PST-5DART)	8.3
GRANDE 3	8.3
KENTUCKY-31	8.3
OG-WALK	8.3
PARAMOUNT	8.3
PROVIDENCE (GO-RH20)	8.3
SPYDER 2LS (ZRC1)	8.3
SR 8700 (TMT1)	8.3
XANADU (JT 268)	8.3
3B2	8.0
BRAVO 2	8.0
BULLSEYE	8.0
CAPITAN (DLFPS-321/3705)	8.0
DLFPS-321/3706	8.0
ESSENTIAL 2 (DLFPS-TF/3552)	8.0
ESTRENA	8.0
FIRENZA II (PPG-TF 244)	8.0
NAI-FQZ-17	8.0
ORIOLE (PST-5BYOB)	8.0
PADRE 2	8.0
PPG-TF 249	8.0
PPG-TF 337	8.0
PST-5MINK	8.0
TANK (PPG-TF 338)	8.0
TOPSHELF (BGR-TF3)	8.0
BENTLEY (DLFPS-321/3679)	7.7
BLADERUNNER 3 (DLFPS-321/3701)	7.7
CLASH (AH1)	7.7
DLFPS-321/3707	7.7
ESCALADE	7.7
GALLARDO (DLFPS-TF/3550)	7.7
HEMI	7.7
KIZZLE (K18-ROE)	7.7
LAFAYETTE (GO-AOMK)	7.7
LBF	7.7

TABLE 28.
(CONT'D)

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	OK1
MONUMENT (PST-5SQB)	7.7
NAI-ST5	7.7
NATURALLY GREEN	7.7
EXPANSE (PPG-TF 262)	7.7
PPG-TF 316	7.7
PPG-TF 318	7.7
PST-5THM	7.7
ROVER (PPG-TF 306)	7.7
VALSETZ (PPG-TF 257)	7.7
A-TF31	7.3
AST8118LM	7.3
ATF2116	7.3
BATTLE HAWK (NAI-ROS4)	7.3
DLFPS-321/3693	7.3
DYNAMITE G-LS (PPG-TF 254)	7.3
FALCON SUPREME (RH1)	7.3
GRO-PRO (SE53D2)	7.3
PRO GOLD	7.3
PST-5DZM	7.3
ROWDIER (DLFPS-321/3699)	7.3
STEALTH (PPG-TF 238)	7.3
TITAN GLX (TF445)	7.3
TOUGH (NAI-TUE)	7.3
ZION (BAR TF 134)	7.3
5LSS	7.0
BANDIT	7.0
BAR 9FE MAS	7.0
DEGAS (LTP-TF-111)	7.0
DLFPS-321/3703	7.0
FASTLANE (BY-TF-169)	7.0
FINELAWN SUPREME (RH3)	7.0
FIREHAWK SLT	7.0
GLX REVIVE (PST-5GLBS)	7.0
LIFEGUARD	7.0
PPG-TF 312	7.0
RACEWAY (DLFPS-321/3696)	7.0
SYMPHONY (PPG-TF 305)	7.0
TITAN MAX (TF456)	7.0
TITANIUM G-LS (PPG-TF 255)	7.0
TRIAD (PPG-TF 323)	7.0
BAR-FA8230	6.7
BONFIRE (JS DTT)	6.7
BULLSEYE LTZ	6.7
DRAGSTER	6.7
FIRECRACKER G-LS (PPG-TF 315)	6.7
HOUNDOG NINE (DLFPS-321/3702)	6.7
K18-NSE	6.7

TABLE 28.
(CONT'D)

PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	OK1
K18-RS6	6.7
NT-3	6.7
OKEEFE (LTP-TF-122)	6.7
PST-5DC24	6.7
RAD-TF105	6.7
SETFM3	6.7
TALLADEGA II (NAI-3N2)	6.7
TANGO	6.7
DLFPS-321/3708	6.3
DLFPS-TF/3553	6.3
ENDGAME (3N1)	6.3
GALACTIC (SESCR1)	6.3
HELLCAT GLR (PST-5E6)	6.3
K18-WB1	6.3
SOUTHSIDE (PPG-TF 267)	6.3
PST-5TRN	6.3
RAPTOR LS (PPG-TF 336)	6.3
RC4	6.3
RHL2	6.3
SE5STAR	6.3
SERENADE (PPG-TF 320)	6.3
ATF1768	6.0
BAR FA 8228	6.0
COL-TF-148	6.0
COPIOUS TF	6.0
FAIRFIELD (SETF104)	6.0
JT 517	6.0
PST-5GQ	6.0
RAPTOR III	6.0
RS1	6.0
TEACHER (PPG-TF 313)	6.0
GRAND PRIX (FC15-01P)	5.7
RAD-TF131	5.7
RDC	5.7
SETFM2	5.7
EXTRAVAGANZA (PST-5MCMO)	5.3
RHF	5.3
TD2	5.3
RAD-TF115 (TURBO SS)	4.7
LSD VALUE	2.4
C.V. (%)	21.1

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

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

TABLE 29.

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	ON1
DYNAMITE G-LS (PPG-TF 254)	6.7
FIREHAWK SLT	6.7
SERENADE (PPG-TF 320)	6.7
BRAVO 2	6.3
BULLSEYE	6.3
K18-WB1	6.3
SOUTHSIDE (PPG-TF 267)	6.3
PPG-TF 312	6.3
XANADU (JT 268)	6.3
DAYBREAK (AH2)	6.0
DLFPS-TF/3553	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.0
ESTRENA	6.0
PPG-TF 231	6.0
ROVER (PPG-TF 306)	6.0
ATF1768	5.7
DEGAS (LTP-TF-111)	5.7
JT 517	5.7
PPG-TF 318	5.7
STEALTH (PPG-TF 238)	5.7
TEACHER (PPG-TF 313)	5.7
5LSS	5.3
ATF2116	5.3
BLADERUNNER 3 (DLFPS-321/3701)	5.3
DLFPS-321/3707	5.3
FAYETTE	5.3
FINELAWN SUPREME (RH3)	5.3
FIRENZA II (PPG-TF 244)	5.3
NAI-FQZ-17	5.3
NAI-ST5	5.3
NATURALLY GREEN	5.3
RAD-TF105	5.3
RAD-TF131	5.3
ROWDIER (DLFPS-321/3699)	5.3
SPYDER 2LS (ZRC1)	5.3
BANDIT	5.0
BIRMINGHAM	5.0
DLFPS-321/3693	5.0
DLFPS-321/3703	5.0
DLFPS-321/3708	5.0
DRAGSTER	5.0
FALCON SUPREME (RH1)	5.0
GALACTIC (SESCR1)	5.0
HOUNDOG NINE (DLFPS-321/3702)	5.0
LIFEGUARD	5.0
EXPANSE (PPG-TF 262)	5.0

TABLE 29.
(CONT'D)

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	ON1
PPG-TF 316	5.0
PST-5DZM	5.0
SYMPHONY (PPG-TF 305)	5.0
TANGO	5.0
TANK (PPG-TF 338)	5.0
TRIAD (PPG-TF 323)	5.0
AST8218LM	4.7
BAR 9FE MAS	4.7
BATTLE HAWK (NAI-ROS4)	4.7
CLASH (AH1)	4.7
GALLARDO (DLFPS-TF/3550)	4.7
GRANDE 3	4.7
K18-RS6	4.7
LAFAYETTE (GO-AOMK)	4.7
MOONDANCE GLX	4.7
RHL2	4.7
SR 8700 (TMT1)	4.7
AVENGER III (PPG-TF 308)	4.3
COPIOUS TF	4.3
GLX REVIVE (PST-5GLBS)	4.3
GRAND PRIX (FC15-01P)	4.3
GRO-PRO (SE53D2)	4.3
JT 233	4.3
KENTUCKY-31	4.3
OG-WALK	4.3
PARAMOUNT	4.3
PST-5MINK	4.3
PST-5TRN	4.3
RDC	4.3
RHF	4.3
SETFM3	4.3
TALLADEGA II (NAI-3N2)	4.3
VALSETZ (PPG-TF 257)	4.3
ZION (BAR TF 134)	4.3
3B2	4.0
AST8118LM	4.0
DLFPS-321/3695	4.0
K18-NSE	4.0
KIZZLE (K18-ROE)	4.0
OKEEFE (LTP-TF-122)	4.0
PADRE 2	4.0
PPG-TF 249	4.0
PRO GOLD	4.0
BAR FA 8228	3.7
BONFIRE (JS DTT)	3.7
CAPITAN (DLFPS-321/3705)	3.7
DLFPS-321/3706	3.7

TABLE 29.
(CONT'D)

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	ON1
HEMI	3.7
RACEWAY (DLFPS-321/3696)	3.7
RAD-TF115 (TURBO SS)	3.7
RAPTOR LS (PPG-TF 336)	3.7
TD2	3.7
TITAN MAX (TF456)	3.7
TOPSHELF (BGR-TF3)	3.7
DLFPS-321/3694	3.3
ESCALADE	3.3
PPG-TF 337	3.3
PROVIDENCE (GO-RH20)	3.3
RAPTOR III	3.3
RS1	3.3
TITAN GLX (TF445)	3.3
TITANIUM G-LS (PPG-TF 255)	3.3
A-TF31	3.0
BAR-FA8230	3.0
BENTLEY (DLFPS-321/3679)	3.0
BULLSEYE LTZ	3.0
COL-TF-148	3.0
FAIRFIELD (SETF104)	3.0
FASTLANE (BY-TF-169)	3.0
FIRECRACKER G-LS (PPG-TF 315)	3.0
MONUMENT (PST-5SQB)	3.0
PST-5DC24	3.0
PST-5THM	3.0
RC4	3.0
SE5STAR	3.0
ENDGAME (3N1)	2.7
EXTRAVAGANZA (PST-5MCMO)	2.7
GLX ACED (PST-5DART)	2.7
NT-3	2.7
ORIOLE (PST-5BYOB)	2.7
PST-5GQ	2.7
LBF	2.3
PALOMAR	2.3
TOUGH (NAI-TUE)	2.3
HELLCAT GLR (PST-5E6)	2.0
SETFM2	2.0
LSD VALUE	2.8
C.V. (%)	40.1

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 30.

FALL COLOR (SEPTEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	OK1	MEAN
RAD-TF115 (TURBO SS)	7.0	6.3	6.7	6.7
RAD-TF131	7.0	6.3	6.7	6.7
SETFM2	7.0	6.3	6.7	6.7
NAI-FQZ-17	6.7	6.3	6.7	6.6
TOPSHELF (BGR-TF3)	6.3	6.3	7.0	6.6
A-TF31	6.7	6.0	6.7	6.4
AST8118LM	6.7	6.0	6.7	6.4
ATF1768	6.7	5.7	7.0	6.4
BIRMINGHAM	6.7	6.0	6.7	6.4
BANDIT	7.3	5.3	6.7	6.4
LAFAYETTE (GO-AOMK)	7.0	5.3	7.0	6.4
PPG-TF 318	7.0	5.3	6.7	6.3
PST-5DC24	7.0	5.0	7.0	6.3
TOUGH (NAI-TUE)	7.3	5.0	6.7	6.3
TRIAD (PPG-TF 323)	7.3	5.3	6.3	6.3
XANADU (JT 268)	7.0	5.3	6.7	6.3
AST8218LM	6.7	5.3	6.7	6.2
BLADERUNNER 3 (DLFPS-321/3701)	7.0	5.0	6.7	6.2
DLFPS-321/3708	7.3	4.7	6.7	6.2
FIRENZA II (PPG-TF 244)	7.0	5.0	6.7	6.2
HOUNDOG NINE (DLFPS-321/3702)	7.0	5.0	6.7	6.2
LBF	6.3	5.7	6.7	6.2
NT-3	7.3	4.7	6.7	6.2
PPG-TF 316	7.0	5.0	6.7	6.2
RAD-TF105	7.0	5.0	6.7	6.2
NATURALLY GREEN	6.3	6.0	6.3	6.2
FAYETTE	6.7	5.0	6.7	6.1
JT 233	7.0	4.7	6.7	6.1
SOUTHSIDE (PPG-TF 267)	7.0	4.7	6.7	6.1
PST-5MINK	6.7	5.0	6.7	6.1
RACEWAY (DLFPS-321/3696)	7.0	4.7	6.7	6.1
TANK (PPG-TF 338)	6.7	5.0	6.7	6.1
AVENGER III (PPG-TF 308)	7.0	5.0	6.3	6.1
BRAVO 2	6.7	5.3	6.3	6.1
TITANIUM G-LS (PPG-TF 255)	7.0	4.3	7.0	6.1
ATF2116	6.0	5.3	6.7	6.0
BAR 9FE MAS	7.0	4.3	6.7	6.0
BENTLEY (DLFPS-321/3679)	6.7	4.7	6.7	6.0
COPIOUS TF	6.7	5.0	6.3	6.0
DLFPS-TF/3553	7.0	4.3	6.7	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	5.0	6.3	6.0
FAIRFIELD (SETF104)	6.7	4.7	6.7	6.0
FIREHAWK SLT	6.7	4.3	7.0	6.0
GALLARDO (DLFPS-TF/3550)	7.0	4.7	6.3	6.0
K18-WB1	7.0	4.3	6.7	6.0
NAI-ST5	6.7	4.3	7.0	6.0

TABLE 30.
(CONT'D)

FALL COLOR (SEPTEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	OK1	MEAN
PALOMAR	6.0	5.3	6.7	6.0
PPG-TF 231	7.7	4.0	6.3	6.0
EXPANSE (PPG-TF 262)	7.3	4.3	6.3	6.0
RC4	7.3	4.3	6.3	6.0
ROWDIER (DLFPS-321/3699)	7.0	4.3	6.7	6.0
SYMPHONY (PPG-TF 305)	7.0	4.0	7.0	6.0
BAR-FA8230	6.3	4.7	6.7	5.9
BULLSEYE LTZ	6.7	4.3	6.7	5.9
FIRECRACKER G-LS (PPG-TF 315)	6.7	4.3	6.7	5.9
PADRE 2	6.7	4.7	6.3	5.9
PPG-TF 249	6.7	4.3	6.7	5.9
PPG-TF 312	7.0	4.0	6.7	5.9
PROVIDENCE (GO-RH20)	6.7	4.3	6.7	5.9
PST-5GQ	6.7	4.7	6.3	5.9
STEALTH (PPG-TF 238)	7.3	3.7	6.7	5.9
TALLADEGA II (NAI-3N2)	7.0	4.0	6.7	5.9
VALSETZ (PPG-TF 257)	6.7	4.7	6.3	5.9
COL-TF-148	7.3	4.3	6.0	5.9
DLFPS-321/3694	7.0	4.3	6.3	5.9
JT 517	7.0	4.3	6.3	5.9
OG-WALK	6.0	5.3	6.3	5.9
OKEEFE (LTP-TF-122)	7.0	4.3	6.3	5.9
PARAMOUNT	7.3	4.3	6.0	5.9
RAPTOR LS (PPG-TF 336)	7.0	3.7	7.0	5.9
CAPITAN (DLFPS-321/3705)	7.7	3.7	6.0	5.8
DLFPS-321/3703	6.7	4.0	6.7	5.8
ENDGAME (3N1)	6.7	4.7	6.0	5.8
GRAND PRIX (FC15-01P)	6.0	4.7	6.7	5.8
SERENADE (PPG-TF 320)	6.7	4.0	6.7	5.8
TANGO	6.7	4.0	6.7	5.8
3B2	7.0	4.3	6.0	5.8
BONFIRE (JS DTT)	7.0	4.0	6.3	5.8
CLASH (AH1)	7.0	4.3	6.0	5.8
DEGAS (LTP-TF-111)	7.0	3.7	6.7	5.8
DLFPS-321/3693	7.3	4.0	6.0	5.8
DLFPS-321/3695	7.3	4.0	6.0	5.8
DLFPS-321/3707	7.0	4.3	6.0	5.8
DYNAMITE G-LS (PPG-TF 254)	6.3	4.7	6.3	5.8
FALCON SUPREME (RH1)	6.7	4.3	6.3	5.8
FASTLANE (BY-TF-169)	7.0	3.7	6.7	5.8
GRANDE 3	6.7	4.3	6.3	5.8
ROVER (PPG-TF 306)	6.7	4.3	6.3	5.8
SETFM3	6.7	4.3	6.3	5.8
TD2	7.0	4.0	6.3	5.8
BAR FA 8228	6.0	4.7	6.3	5.7
BATTLE HAWK (NAI-ROS4)	7.0	3.3	6.7	5.7
BULLSEYE	6.7	4.0	6.3	5.7

TABLE 30.
(CONT'D)

FALL COLOR (SEPTEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	OK1	MEAN
DAYBREAK (AH2)	7.0	3.7	6.3	5.7
ESCALADE	6.0	4.3	6.7	5.7
GALACTIC (SESCR1)	6.7	4.0	6.3	5.7
GRO-PRO (SE53D2)	6.0	4.7	6.3	5.7
ORIOLE (PST-5BYOB)	6.3	4.3	6.3	5.7
PPG-TF 337	7.0	3.7	6.3	5.7
PST-5DZM	6.3	4.3	6.3	5.7
PST-5TRN	6.7	4.0	6.3	5.7
RAPTOR III	6.3	4.7	6.0	5.7
RHF	6.3	4.3	6.3	5.7
SR 8700 (TMT1)	7.0	4.0	6.0	5.7
TEACHER (PPG-TF 313)	7.0	3.3	6.7	5.7
TITAN GLX (TF445)	6.3	4.3	6.3	5.7
HEMI	6.0	4.7	6.0	5.6
LIFEGUARD	6.7	4.0	6.0	5.6
SE5STAR	6.3	3.7	6.7	5.6
ZION (BAR TF 134)	7.0	4.0	5.7	5.6
DRAGSTER	6.3	4.0	6.3	5.6
RDC	7.3	3.0	6.3	5.6
GLX ACED (PST-5DART)	6.0	4.0	6.3	5.4
GLX REVIVE (PST-5GLBS)	6.3	3.7	6.3	5.4
KIZZLE (K18-ROE)	6.7	3.3	6.3	5.4
RS1	6.3	4.0	6.0	5.4
TITAN MAX (TF456)	6.7	3.3	6.3	5.4
DLFPS-321/3706	6.7	3.3	6.0	5.3
EXTRAVAGANZA (PST-5MCMO)	6.0	3.7	6.3	5.3
FINELAWN SUPREME (RH3)	6.3	3.3	6.3	5.3
K18-NSE	6.3	3.7	6.0	5.3
K18-RS6	6.0	3.7	6.3	5.3
MONUMENT (PST-5SQB)	6.0	3.7	6.3	5.3
PRO GOLD	6.0	4.0	6.0	5.3
RHL2	6.3	4.0	5.7	5.3
PST-5THM	6.3	3.7	5.7	5.2
SPYDER 2LS (ZRC1)	6.7	2.7	6.3	5.2
HELLCAT GLR (PST-5E6)	6.0	3.3	6.0	5.1
5LSS	6.3	3.0	6.0	5.1
ESTRENA	6.0	3.7	5.7	5.1
MOONDANCE GLX	6.3	3.0	6.0	5.1
KENTUCKY-31	5.3	1.7	4.0	3.7
LSD VALUE	0.8	1.3	0.9	0.6
C.V. (%)	7.4	18.5	9.1	11.1

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

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

TABLE 31.

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	NE1	OK1	MEAN
LAFAYETTE (GO-AOMK)	7.0	7.0	6.7	6.7	6.8
DLFPS-321/3693	7.3	6.0	7.3	6.3	6.8
DLFPS-321/3708	7.0	6.0	7.0	6.7	6.7
HOUND OG NINE (DLFPS-321/3702)	7.7	6.0	7.0	6.0	6.7
JT 517	7.0	6.3	6.7	6.7	6.7
PPG-TF 249	7.0	6.7	6.7	6.3	6.7
RAD-TF105	7.0	6.3	6.7	6.7	6.7
BAR 9FE MAS	7.3	6.7	6.3	6.3	6.7
AST8218LM	7.0	6.7	5.7	7.0	6.6
NATURALLY GREEN	6.7	6.7	6.3	6.7	6.6
PST-5DC24	6.7	6.3	6.7	6.7	6.6
DLFPS-321/3695	7.0	6.0	7.0	6.3	6.6
NAI-ST5	7.0	6.0	7.0	6.3	6.6
PARAMOUNT	7.0	6.0	7.0	6.3	6.6
PPG-TF 318	7.0	6.0	7.0	6.3	6.6
ROWDIER (DLFPS-321/3699)	7.3	6.0	6.3	6.7	6.6
TOPSHELF (BGR-TF3)	6.3	7.3	5.7	7.0	6.6
TOUGH (NAI-TUE)	7.3	5.3	7.0	6.7	6.6
ATF1768	6.7	6.0	6.3	7.0	6.5
CLASH (AH1)	6.7	6.0	7.0	6.3	6.5
DLFPS-321/3707	7.0	6.0	6.7	6.3	6.5
FAYETTE	7.0	6.0	6.3	6.7	6.5
GALACTIC (SESCR1)	7.0	6.0	7.0	6.0	6.5
GRANDE 3	7.0	6.0	6.3	6.7	6.5
LBF	6.7	6.3	6.0	7.0	6.5
RAD-TF115 (TURBO SS)	7.0	6.0	6.7	6.3	6.5
SETFM2	6.7	6.3	6.3	6.7	6.5
TRIAD (PPG-TF 323)	7.0	6.0	6.7	6.3	6.5
SOUTHSIDE (PPG-TF 267)	7.0	6.3	6.3	6.3	6.5
BIRMINGHAM	6.7	6.3	6.0	6.7	6.4
BULLSEYE	7.0	5.7	7.0	6.0	6.4
FIRECRACKER G-LS (PPG-TF 315)	7.0	5.7	6.7	6.3	6.4
FIREHAWK SLT	7.0	5.7	7.0	6.0	6.4
GALLARDO (DLFPS-TF/3550)	7.0	6.0	6.7	6.0	6.4
NAI-FQZ-17	6.7	6.0	6.7	6.3	6.4
PPG-TF 316	7.0	5.7	7.0	6.0	6.4
RAPTOR LS (PPG-TF 336)	7.0	5.7	7.0	6.0	6.4
RHL2	7.0	5.7	6.7	6.3	6.4
BENTLEY (DLFPS-321/3679)	6.3	6.3	6.7	6.3	6.4
BULLSEYE LTZ	7.0	6.0	6.3	6.3	6.4
DEGAS (LTP-TF-111)	7.0	5.3	7.0	6.3	6.4
JT 233	7.0	6.3	6.3	6.0	6.4
PADRE 2	7.0	6.0	6.3	6.3	6.4
PST-5DZM	7.0	6.0	6.3	6.3	6.4
RAD-TF131	7.3	6.0	6.3	6.0	6.4
SETFM3	7.0	6.3	6.0	6.3	6.4

TABLE 31.
(CONT'D)

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	NE1	OK1	MEAN
SR 8700 (TMT1)	7.0	6.0	6.3	6.3	6.4
SYMPHONY (PPG-TF 305)	7.0	6.0	6.3	6.3	6.4
TANK (PPG-TF 338)	7.0	6.3	6.0	6.3	6.4
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	6.3	6.3	6.4
CAPITAN (DLFPS-321/3705)	7.0	5.7	6.7	6.0	6.3
RACEWAY (DLFPS-321/3696)	7.0	6.0	5.7	6.7	6.3
TALLADEGA II (NAI-3N2)	7.0	5.7	6.7	6.0	6.3
XANADU (JT 268)	7.0	5.7	6.7	6.0	6.3
AST8118LM	6.3	6.0	6.0	7.0	6.3
AVENGER III (PPG-TF 308)	7.0	5.3	6.7	6.3	6.3
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.0	6.3	6.0	6.3
BRAVO 2	6.7	5.7	6.7	6.3	6.3
DRAGSTER	7.0	6.0	6.3	6.0	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	5.3	6.7	6.3	6.3
GRAND PRIX (FC15-01P)	6.7	6.3	6.3	6.0	6.3
K18-NSE	7.0	5.3	7.3	5.7	6.3
KIZZLE (K18-ROE)	7.0	5.3	6.7	6.3	6.3
PPG-TF 231	7.0	6.0	6.3	6.0	6.3
EXPANSE (PPG-TF 262)	7.0	6.0	6.3	6.0	6.3
PPG-TF 312	7.0	5.3	6.7	6.3	6.3
PPG-TF 337	7.0	5.3	7.0	6.0	6.3
PROVIDENCE (GO-RH20)	7.0	6.3	6.0	6.0	6.3
PST-5MINK	6.3	6.7	6.0	6.3	6.3
TITAN GLX (TF445)	7.0	5.3	6.7	6.3	6.3
TITAN MAX (TF456)	7.0	5.3	6.7	6.3	6.3
VALSETZ (PPG-TF 257)	7.0	6.0	6.0	6.3	6.3
A-TF31	6.7	6.0	5.7	6.7	6.3
FAIRFIELD (SETF104)	6.7	5.7	6.0	6.7	6.3
3B2	7.0	5.7	6.3	6.0	6.3
ATF2116	6.0	6.0	6.3	6.7	6.3
BANDIT	6.7	6.3	6.0	6.0	6.3
BATTLE HAWK (NAI-ROS4)	7.0	5.3	6.7	6.0	6.3
BONFIRE (JS DTT)	6.7	5.3	6.3	6.7	6.3
COL-TF-148	7.0	5.0	7.0	6.0	6.3
COPIOUS TF	6.3	6.7	5.7	6.3	6.3
DLFPS-321/3694	6.7	5.3	6.7	6.3	6.3
DLFPS-TF/3553	6.7	5.7	6.7	6.0	6.3
FALCON SUPREME (RH1)	6.7	5.3	7.0	6.0	6.3
FINELAWN SUPREME (RH3)	6.7	5.7	6.7	6.0	6.3
FIRENZA II (PPG-TF 244)	6.7	5.3	7.0	6.0	6.3
OKEEFE (LTP-TF-122)	7.0	5.3	6.7	6.0	6.3
PALOMAR	6.7	6.0	6.0	6.3	6.3
RC4	7.0	5.7	6.3	6.0	6.3
ROVER (PPG-TF 306)	7.0	5.7	6.3	6.0	6.3
RS1	6.7	5.3	7.0	6.0	6.3
SERENADE (PPG-TF 320)	7.0	5.0	7.0	6.0	6.3
SPYDER 2LS (ZRC1)	7.0	5.0	7.0	6.0	6.3

TABLE 31.
(CONT'D)

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	CT1	IA1	NE1	OK1	MEAN
TANGO	6.7	6.0	6.3	6.0	6.3
TD2	7.0	5.3	6.7	6.0	6.3
BAR FA 8228	6.3	6.0	5.7	6.7	6.2
GLX ACED (PST-5DART)	6.7	5.3	6.7	6.0	6.2
GLX REVIVE (PST-5GLBS)	7.0	5.7	6.0	6.0	6.2
MOONDANCE GLX	6.7	5.7	6.3	6.0	6.2
OG-WALK	6.3	6.0	5.7	6.7	6.2
RDC	6.7	5.0	7.0	6.0	6.2
DLFPS-321/3703	6.3	5.3	6.7	6.3	6.2
K18-WB1	7.0	5.3	6.3	6.0	6.2
RHF	6.7	5.3	6.3	6.3	6.2
DYNAMITE G-LS (PPG-TF 254)	6.7	5.7	6.0	6.0	6.1
K18-RS6	7.0	5.0	6.7	5.7	6.1
ZION (BAR TF 134)	7.0	5.7	6.0	5.7	6.1
DAYBREAK (AH2)	7.0	5.0	6.3	6.0	6.1
DLFPS-321/3706	6.7	5.3	6.3	6.0	6.1
ENDGAME (3N1)	7.0	5.3	6.3	5.7	6.1
ESCALADE	6.3	6.0	6.0	6.0	6.1
FASTLANE (BY-TF-169)	6.7	5.3	6.3	6.0	6.1
LIFEGUARD	6.7	5.3	6.3	6.0	6.1
NT-3	6.7	5.3	6.3	6.0	6.1
PST-5GQ	6.3	5.7	6.3	6.0	6.1
PST-5THM	6.7	5.3	6.3	6.0	6.1
STEALTH (PPG-TF 238)	7.0	5.3	6.0	6.0	6.1
TEACHER (PPG-TF 313)	7.0	5.0	6.3	6.0	6.1
ORIOLE (PST-5BYOB)	6.3	5.7	6.0	6.0	6.0
PRO GOLD	6.3	6.0	6.0	5.7	6.0
PST-5TRN	6.3	5.3	6.3	6.0	6.0
RAPTOR III	6.7	5.3	6.0	6.0	6.0
SE5STAR	6.3	5.7	6.3	5.7	6.0
HEMI	6.3	5.0	6.3	6.3	6.0
5LSS	6.7	4.7	6.3	6.0	5.9
BAR-FA8230	6.0	6.0	6.0	5.7	5.9
GRO-PRO (SE53D2)	6.0	5.3	6.0	6.3	5.9
EXTRAVAGANZA (PST-5MCMO)	6.0	5.3	6.0	6.0	5.8
HELLCAT GLR (PST-5E6)	6.3	5.0	6.0	6.0	5.8
MONUMENT (PST-5SQB)	6.3	5.0	6.0	6.0	5.8
ESTRENA	6.7	4.7	5.7	6.0	5.8
KENTUCKY-31	5.0	4.3	6.0	4.0	4.8
LSD VALUE	0.6	1.1	0.8	0.7	0.4
C.V. (%)	5.6	11.4	8.0	6.8	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 32.

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IA1	OK1	ON1	UT1	MEAN
SR 8700 (TMT1)	6.3	6.0	7.0	5.7	6.3
BIRMINGHAM	6.7	6.0	6.7	5.0	6.1
AST8218LM	7.0	5.7	6.7	4.7	6.0
AST8118LM	7.0	6.0	6.0	4.7	5.9
DLFPS-321/3695	5.7	5.7	7.0	5.3	5.9
PST-5DC24	6.7	6.0	6.7	4.3	5.9
PST-5MINK	6.7	5.7	6.3	5.0	5.9
RACEWAY (DLFPS-321/3696)	6.7	6.0	6.7	4.3	5.9
TOPSHELF (BGR-TF3)	7.0	5.7	6.7	4.3	5.9
SETFM2	7.3	6.0	6.3	4.0	5.9
JT 517	5.7	6.0	7.0	4.7	5.8
NT-3	5.7	6.0	7.0	4.7	5.8
XANADU (JT 268)	5.3	6.0	7.0	5.0	5.8
BAR FA 8228	6.7	6.0	6.7	3.7	5.8
DLFPS-321/3693	5.7	6.0	6.7	4.7	5.8
NAI-FQZ-17	5.7	5.7	7.0	4.7	5.8
ATF1768	6.0	6.0	7.3	3.7	5.8
COPIOUS TF	6.0	6.0	6.7	4.3	5.8
DLFPS-321/3694	5.3	6.0	7.0	4.7	5.8
HOUNDOG NINE (DLFPS-321/3702)	5.0	6.0	7.0	5.0	5.8
PPG-TF 231	5.0	6.0	7.0	5.0	5.8
RAD-TF115 (TURBO SS)	6.7	6.0	6.0	4.3	5.8
TANK (PPG-TF 338)	6.0	6.0	6.3	4.7	5.8
3B2	6.0	5.7	6.3	4.7	5.7
BANDIT	6.0	6.0	6.7	4.0	5.7
BLADERUNNER 3 (DLFPS-321/3701)	5.7	6.0	6.3	4.7	5.7
DLFPS-TF/3553	5.0	6.0	7.0	4.7	5.7
ENDGAME (3N1)	5.0	6.0	7.0	4.7	5.7
GRANDE 3	5.3	5.7	6.7	5.0	5.7
JT 233	5.7	6.0	6.0	5.0	5.7
PPG-TF 249	5.0	6.0	6.7	5.0	5.7
TANGO	5.7	6.0	6.7	4.3	5.7
TOUGH (NAI-TUE)	5.0	6.0	7.0	4.7	5.7
VALSETZ (PPG-TF 257)	4.7	6.0	7.0	5.0	5.7
RAD-TF131	6.7	5.3	6.3	4.3	5.7
RHL2	4.3	5.3	7.0	6.0	5.7
DLFPS-321/3703	5.3	5.7	6.7	4.7	5.6
DLFPS-321/3706	4.0	6.0	6.7	5.7	5.6
DYNAMITE G-LS (PPG-TF 254)	4.7	6.0	7.0	4.7	5.6
SOUTHSIDE (PPG-TF 267)	4.7	6.0	7.0	4.7	5.6
PST-5GQ	5.3	5.7	6.7	4.7	5.6
TRIAD (PPG-TF 323)	5.0	5.7	6.7	5.0	5.6
ATF2116	6.3	6.0	6.0	4.0	5.6
DLFPS-321/3708	4.3	6.0	6.7	5.3	5.6
FASTLANE (BY-TF-169)	4.0	6.0	7.0	5.3	5.6
NATURALLY GREEN	6.3	6.0	6.0	4.0	5.6

TABLE 32.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IA1	OK1	ON1	UT1	MEAN
EXPANSE (PPG-TF 262)	5.0	6.0	6.3	5.0	5.6
PPG-TF 318	5.0	6.0	7.0	4.3	5.6
RAD-TF105	5.0	6.0	7.0	4.3	5.6
ROWDIER (DLFPS-321/3699)	5.3	6.0	6.3	4.7	5.6
SYMPHONY (PPG-TF 305)	4.3	6.0	7.0	5.0	5.6
BENTLEY (DLFPS-321/3679)	5.7	6.0	6.7	3.7	5.5
PARAMOUNT	5.0	5.7	6.7	4.7	5.5
PROVIDENCE (GO-RH20)	4.7	6.0	6.7	4.7	5.5
TITANIUM G-LS (PPG-TF 255)	4.7	6.0	6.7	4.7	5.5
BAR 9FE MAS	5.7	6.0	6.0	4.3	5.5
BONFIRE (JS DTT)	4.7	5.7	6.7	5.0	5.5
BRAVO 2	5.7	5.7	6.3	4.3	5.5
ESCALADE	6.0	5.7	6.0	4.3	5.5
FAYETTE	5.0	6.0	6.3	4.7	5.5
FIRECRACKER G-LS (PPG-TF 315)	4.3	6.0	7.0	4.7	5.5
FIREHAWK SLT	4.7	5.7	6.7	5.0	5.5
NAI-ST5	4.3	5.7	7.0	5.0	5.5
SPYDER 2LS (ZRC1)	3.7	6.0	7.3	5.0	5.5
SE5STAR	6.0	5.3	6.3	4.3	5.5
SETFM3	5.3	6.0	6.3	4.3	5.5
DEGAS (LTP-TF-111)	4.3	5.7	6.7	5.0	5.4
DLFPS-321/3707	4.7	5.7	6.7	4.7	5.4
FAIRFIELD (SETF104)	5.7	5.7	6.0	4.3	5.4
GALACTIC (SESCR1)	3.7	5.7	7.3	5.0	5.4
K18-RS6	4.0	5.7	7.0	5.0	5.4
K18-WB1	4.7	6.0	6.3	4.7	5.4
KIZZLE (K18-ROE)	4.3	5.7	6.7	5.0	5.4
LBF	5.7	6.0	6.0	4.0	5.4
OG-WALK	7.0	5.7	5.7	3.3	5.4
OKEEFE (LTP-TF-122)	4.7	5.7	6.7	4.7	5.4
PADRE 2	5.7	5.7	6.3	4.0	5.4
RS1	4.3	6.0	6.7	4.7	5.4
TD2	4.7	5.7	6.3	5.0	5.4
ZION (BAR TF 134)	4.3	6.0	6.7	4.7	5.4
SERENADE (PPG-TF 320)	4.0	6.0	7.3	4.3	5.4
ESTRENA	3.7	5.7	7.0	5.0	5.3
LAFAYETTE (GO-AOMK)	6.0	6.0	5.7	3.7	5.3
MONUMENT (PST-5SQB)	4.7	6.0	6.7	4.0	5.3
MOONDANCE GLX	4.7	6.0	6.7	4.0	5.3
BULLSEYE LTZ	4.7	5.7	6.7	4.3	5.3
COL-TF-148	5.0	6.0	6.3	4.0	5.3
GLX ACED (PST-5DART)	5.7	5.3	6.3	4.0	5.3
GLX REVIVE (PST-5GLBS)	5.3	6.0	6.3	3.7	5.3
GRAND PRIX (FC15-01P)	5.7	5.3	6.3	4.0	5.3
RAPTOR III	4.7	5.3	6.3	5.0	5.3
RHF	3.7	6.0	6.7	5.0	5.3
TEACHER (PPG-TF 313)	3.3	6.0	7.7	4.3	5.3

TABLE 32.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	IA1	OK1	ON1	UT1	MEAN
A-TF31	5.3	5.7	6.0	4.0	5.3
AVENGER III (PPG-TF 308)	5.0	6.0	5.7	4.3	5.3
BAR-FA8230	4.0	5.7	7.3	4.0	5.3
CLASH (AH1)	4.0	5.7	6.3	5.0	5.3
DAYBREAK (AH2)	2.3	6.0	7.7	5.0	5.3
FALCON SUPREME (RH1)	3.7	6.0	6.7	4.7	5.3
FIRENZA II (PPG-TF 244)	4.3	6.0	6.0	4.7	5.3
ORIOLE (PST-5BYOB)	5.7	5.7	5.3	4.3	5.3
PPG-TF 316	3.7	6.0	6.7	4.7	5.3
PPG-TF 337	3.3	6.0	6.7	5.0	5.3
PST-5DZM	5.3	5.7	6.0	4.0	5.3
PST-5TRN	4.3	5.7	6.7	4.3	5.3
RC4	4.0	6.0	6.0	5.0	5.3
STEALTH (PPG-TF 238)	4.3	6.0	6.7	4.0	5.3
TALLADEGA II (NAI-3N2)	3.7	5.7	6.7	5.0	5.3
GALLARDO (DLFPS-TF/3550)	3.7	6.0	7.0	4.3	5.3
BATTLE HAWK (NAI-ROS4)	3.0	5.7	7.0	5.0	5.2
CAPITAN (DLFPS-321/3705)	3.3	6.0	6.7	4.7	5.2
LIFEGUARD	4.3	5.3	6.3	4.7	5.2
PALOMAR	6.0	5.0	6.0	3.7	5.2
ESSENTIAL 2 (DLFPS-TF/3552)	3.7	6.0	6.0	5.0	5.2
K18-NSE	2.0	6.0	7.3	5.3	5.2
BULLSEYE	3.3	6.0	6.3	4.7	5.1
GRO-PRO (SE53D2)	5.7	5.3	5.7	3.7	5.1
DRAGSTER	3.3	6.0	6.7	4.3	5.1
PPG-TF 312	3.0	5.7	6.3	5.3	5.1
PRO GOLD	5.7	5.0	5.3	4.3	5.1
TITAN MAX (TF456)	3.0	5.7	7.3	4.3	5.1
ROVER (PPG-TF 306)	3.3	6.0	7.0	3.7	5.0
FINELAWN SUPREME (RH3)	3.0	5.7	6.3	5.0	5.0
PST-5THM	4.7	5.3	6.3	3.7	5.0
RDC	3.0	5.7	7.0	4.3	5.0
TITAN GLX (TF445)	4.0	5.7	6.0	4.3	5.0
RAPTOR LS (PPG-TF 336)	3.3	6.0	5.7	4.7	4.9
HELLCAT GLR (PST-5E6)	4.3	5.3	6.0	4.0	4.9
HEMI	4.0	5.7	5.7	4.0	4.8
EXTRAVAGANZA (PST-5MCMO)	4.3	5.3	5.7	3.7	4.8
5LSS	2.7	5.3	6.0	4.3	4.6
KENTUCKY-31	3.3	4.7	4.3	3.3	3.9
LSD VALUE	2.0	0.6	1.2	1.0	0.6
C.V. (%)	24.9	6.4	10.9	13.3	14.5

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

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

TABLE 33.

TURF UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS 1/
2022 DATA

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

NAME	UT1	NAME	UT1	NAME	UT1
PPG-TF 312	8.0	PARAMOUNT	7.0	PST-5MINK	6.3
CAPTAN (DLFPS-321/3705)	7.7	PPG-TF 249	7.0	PST-5TRN	6.3
DLFPS-321/3694	7.7	SOUTHSIDE (PPG-TF 267)	7.0	RACEWAY (DLFPS-321/3696)	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.7	RAPTOR LS (PPG-TF 336)	7.0	RAD-TF115 (TURBO SS)	6.3
K18-NSE	7.7	RDC	7.0	RAD-TF131	6.3
K18-WB1	7.7	ROVER (PPG-TF 306)	7.0	ROWDIER (DLFPS-321/3699)	6.3
PROVIDENCE (GO-RH20)	7.7	SYMPHONY (PPG-TF 305)	7.0	TITAN GLX (TF445)	6.3
COL-TF-148	7.3	TITANIUM G-LS (PPG-TF 255)	7.0	VALSETZ (PPG-TF 257)	6.3
DAYBREAK (AH2)	7.3	XANADU (JT 268)	7.0	ATF1768	6.0
DLFPS-321/3695	7.3	3B2	6.7	ATF2116	6.0
DLFPS-321/3707	7.3	BULLSEYE	6.7	BANDIT	6.0
DLFPS-TF/3553	7.3	BULLSEYE LTZ	6.7	BAR 9FE MAS	6.0
DYNAMITE G-LS (PPG-TF 254)	7.3	DEGAS (LTP-TF-111)	6.7	BAR-FA8230	6.0
FIRECRACKER G-LS (PPG-TF 315)	7.3	DLFPS-321/3703	6.7	BIRMINGHAM	6.0
FIRENZA II (PPG-TF 244)	7.3	EXTRAVAGANZA (PST-5MCMO)	6.7	COPIOUS TF	6.0
NAI-ST5	7.3	FAIRFIELD (SETF104)	6.7	ESCALADE	6.0
PPG-TF 316	7.3	FALCON SUPREME (RH1)	6.7	JT 233	6.0
PPG-TF 318	7.3	FASTLANE (BY-TF-169)	6.7	LBF	6.0
PPG-TF 337	7.3	FINELAWN SUPREME (RH3)	6.7	MONUMENT (PST-5SQB)	6.0
RC4	7.3	HEMI	6.7	MOONDANCE GLX	6.0
RHF	7.3	KIZZLE (K18-ROE)	6.7	PST-5DZM	6.0
RHL2	7.3	NT-3	6.7	PST-5THM	6.0
RS1	7.3	PPG-TF 231	6.7	SETFM3	6.0
SPYDER 2LS (ZRC1)	7.3	EXPANSE (PPG-TF 262)	6.7	TOPSHELF (BGR-TF3)	6.0
TD2	7.3	RAD-TF105	6.7	AST8218LM	5.7
TEACHER (PPG-TF 313)	7.3	RAPTOR III	6.7	BAR FA 8228	5.7
TRIAD (PPG-TF 323)	7.3	SERENADE (PPG-TF 320)	6.7	BRAVO 2	5.7
5LSS	7.0	SR 8700 (TMT1)	6.7	GRAND PRIX (FC15-01P)	5.7
AVENGER III (PPG-TF 308)	7.0	STEALTH (PPG-TF 238)	6.7	GRO-PRO (SE53D2)	5.7
BATTLE HAWK (NAI-ROS4)	7.0	TALLADEGA II (NAI-3N2)	6.7	NAI-FQZ-17	5.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	TANK (PPG-TF 338)	6.7	NATURALLY GREEN	5.7
BONFIRE (JS DTT)	7.0	TITAN MAX (TF456)	6.7	OG-WALK	5.7
CLASH (AH1)	7.0	TOUGH (NAI-TUE)	6.7	ORIOLE (PST-5BYOB)	5.7
DLFPS-321/3693	7.0	ZION (BAR TF 134)	6.7	PALOMAR	5.7
DLFPS-321/3706	7.0	A-TF31	6.3	PRO GOLD	5.7
DLFPS-321/3708	7.0	AST8118LM	6.3	PST-5DC24	5.7
DRAGSTER	7.0	BENTLEY (DLFPS-321/3679)	6.3	SE5STAR	5.7
ENDGAME (3N1)	7.0	ESTRENA	6.3	SETFM2	5.7
FIREHAWK SLT	7.0	FAYETTE	6.3	TANGO	5.7
GALACTIC (SESCR1)	7.0	GLX ACED (PST-5DART)	6.3	KENTUCKY-31	4.7
GALLARDO (DLFPS-TF/3550)	7.0	GLX REVIVE (PST-5GLBS)	6.3		
GRANDE 3	7.0	JT 517	6.3	LSD VALUE	1.0
HELLCAT GLR (PST-5E6)	7.0	LAFAYETTE (GO-AOMK)	6.3	C.V. (%)	9.6
HOUNDG NINE (DLFPS-321/3702)	7.0	LIFEGUARD	6.3		
K18-RS6	7.0	PADRE 2	6.3		
OKEEFE (LTP-TF-122)	7.0	PST-5GQ	6.3		

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

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

TABLE 34.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT WEST LAFAYETTE, IN 1/
2022 DATA

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

NAME	JULY	AUGUST	MEAN
DEGAS (LTP-TF-111)	7.7	8.7	8.2
PARAMOUNT	8.3	8.0	8.2
FINELAWN SUPREME (RH3)	8.7	7.3	8.0
KENTUCKY-31	7.7	8.0	7.8
TALLADEGA II (NAI-3N2)	7.0	8.0	7.5
BATTLE HAWK (NAI-ROS4)	6.3	8.3	7.3
PROVIDENCE (GO-RH20)	7.0	7.7	7.3
RHL2	6.3	8.3	7.3
ROVER (PPG-TF 306)	7.0	7.7	7.3
TRIAD (PPG-TF 323)	6.3	8.3	7.3
COL-TF-148	7.3	7.0	7.2
GALACTIC (SESCR1)	6.3	8.0	7.2
GALLARDO (DLFPS-TF/3550)	5.3	9.0	7.2
STEALTH (PPG-TF 238)	6.0	8.3	7.2
TITANIUM G-LS (PPG-TF 255)	6.7	7.7	7.2
BAR-FA8230	6.0	8.0	7.0
CAPITAN (DLFPS-321/3705)	6.3	7.7	7.0
DLFPS-321/3693	6.0	8.0	7.0
EXPANSE (PPG-TF 262)	6.3	7.7	7.0
TEACHER (PPG-TF 313)	6.7	7.3	7.0
ZION (BAR TF 134)	6.0	8.0	7.0
BONFIRE (JS DTT)	5.0	8.7	6.8
DLFPS-TF/3553	5.7	8.0	6.8
RAPTOR LS (PPG-TF 336)	6.3	7.3	6.8
RHF	6.3	7.3	6.8
TOUGH (NAI-TUE)	6.3	7.3	6.8
BAR 9FE MAS	6.7	6.7	6.7
DLFPS-321/3703	5.3	8.0	6.7
DRAGSTER	5.7	7.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	7.3	6.7
FALCON SUPREME (RH1)	6.7	6.7	6.7
FAYETTE	5.7	7.7	6.7
GRANDE 3	5.7	7.7	6.7
K18-NSE	5.7	7.7	6.7
NAI-ST5	6.0	7.3	6.7
PPG-TF 312	5.3	8.0	6.7
RAPTOR III	5.3	8.0	6.7
RC4	5.0	8.3	6.7
XANADU (JT 268)	6.3	7.0	6.7
5LSS	4.7	8.3	6.5
CLASH (AH1)	5.3	7.7	6.5
DLFPS-321/3695	5.7	7.3	6.5
JT 233	6.7	6.3	6.5
K18-WB1	6.0	7.0	6.5
NT-3	5.7	7.3	6.5

TABLE 34.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT WEST LAFAYETTE, IN 1/
2022 DATA

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

NAME	JULY	AUGUST	MEAN
RS1	5.7	7.3	6.5
VALSETZ (PPG-TF 257)	5.0	8.0	6.5
BULLSEYE	5.3	7.3	6.3
DAYBREAK (AH2)	6.3	6.3	6.3
K18-RS6	5.7	7.0	6.3
MOONDANCE GLX	5.7	7.0	6.3
ORIOLE (PST-5BYOB)	5.0	7.7	6.3
PPG-TF 231	6.0	6.7	6.3
PST-5THM	6.0	6.7	6.3
RDC	4.7	8.0	6.3
TITAN GLX (TF445)	6.0	6.7	6.3
TITAN MAX (TF456)	5.7	7.0	6.3
AVENGER III (PPG-TF 308)	5.7	6.7	6.2
BRAVO 2	5.3	7.0	6.2
DLFPS-321/3694	5.3	7.0	6.2
DLFPS-321/3706	5.7	6.7	6.2
ENDGAME (3N1)	5.3	7.0	6.2
FASTLANE (BY-TF-169)	5.0	7.3	6.2
KIZZLE (K18-ROE)	5.7	6.7	6.2
LIFEGUARD	5.3	7.0	6.2
MONUMENT (PST-5SQB)	5.0	7.3	6.2
OKEEFE (LTP-TF-122)	6.0	6.3	6.2
PADRE 2	5.0	7.3	6.2
PPG-TF 316	4.3	8.0	6.2
PST-5TRN	6.0	6.3	6.2
ROWDIER (DLFPS-321/3699)	5.3	7.0	6.2
ATF1768	4.3	7.7	6.0
BULLSEYE LTZ	5.0	7.0	6.0
DLFPS-321/3707	5.7	6.3	6.0
HOUND OG NINE (DLFPS-321/3702)	5.3	6.7	6.0
PRO GOLD	5.3	6.7	6.0
SE5STAR	5.3	6.7	6.0
SERENADE (PPG-TF 320)	6.3	5.7	6.0
SPYDER 2LS (ZRC1)	5.0	7.0	6.0
3B2	5.0	6.7	5.8
BLADERUNNER 3 (DLFPS-321/3701)	4.3	7.3	5.8
DYNAMITE G-LS (PPG-TF 254)	4.0	7.7	5.8
FAIRFIELD (SETF104)	5.7	6.0	5.8
FIREHAWK SLT	4.0	7.7	5.8
FIRENZA II (PPG-TF 244)	5.3	6.3	5.8
GLX ACED (PST-5DART)	5.0	6.7	5.8
GLX REVIVE (PST-5GLBS)	5.3	6.3	5.8
GRO-PRO (SE53D2)	5.0	6.7	5.8
HELLCAT GLR (PST-5E6)	5.0	6.7	5.8
HEMI	5.0	6.7	5.8

TABLE 34.
(CONT'D)

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT WEST LAFAYETTE, IN 1/
2022 DATA

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

NAME	JULY	AUGUST	MEAN
NATURALLY GREEN	6.0	5.7	5.8
SR 8700 (TMT1)	4.3	7.3	5.8
TANGO	5.3	6.3	5.8
TANK (PPG-TF 338)	5.3	6.3	5.8
TD2	4.0	7.7	5.8
ATF2116	4.0	7.3	5.7
BENTLEY (DLFPS-321/3679)	4.3	7.0	5.7
DLFPS-321/3708	4.3	7.0	5.7
ESTRENA	3.7	7.7	5.7
PST-5MINK	4.3	7.0	5.7
TOPSHELF (BGR-TF3)	4.7	6.7	5.7
FIRECRACKER G-LS (PPG-TF 315)	5.0	6.0	5.5
LBF	5.0	6.0	5.5
PPG-TF 337	4.3	6.7	5.5
PST-5DC24	4.7	6.3	5.5
PST-5DZM	4.3	6.7	5.5
RACEWAY (DLFPS-321/3696)	5.0	6.0	5.5
RAD-TF105	4.3	6.7	5.5
RAD-TF115 (TURBO SS)	5.0	6.0	5.5
SETFM2	4.7	6.3	5.5
AST8218LM	3.7	7.0	5.3
BAR FA 8228	4.7	6.0	5.3
LAFAYETTE (GO-AOMK)	5.3	5.3	5.3
SETFM3	4.7	6.0	5.3
ESCALADE	4.7	5.7	5.2
OG-WALK	4.7	5.7	5.2
PPG-TF 249	4.0	6.3	5.2
RAD-TF131	5.0	5.3	5.2
BANDIT	4.7	5.3	5.0
NAI-FQZ-17	4.0	6.0	5.0
SOUTHSIDE (PPG-TF 267)	4.3	5.7	5.0
PST-5GQ	3.7	6.3	5.0
SYMPHONY (PPG-TF 305)	4.0	6.0	5.0
JT 517	4.0	5.7	4.8
PALOMAR	4.7	5.0	4.8
PPG-TF 318	3.7	6.0	4.8
AST8118LM	4.0	5.3	4.7
BIRMINGHAM	4.0	5.3	4.7
COPIOUS TF	2.7	6.7	4.7
EXTRAVAGANZA (PST-5MCMO)	3.7	5.7	4.7
GRAND PRIX (FC15-01P)	3.3	6.0	4.7
A-TF31	3.3	5.3	4.3
LSD VALUE	3.3	2.6	2.4
C.V. (%)	26.3	16.4	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 35. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
AT NEWARK, DE 1/
2022 DATA

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

NAME	JULY	AUGUST	MEAN
CLASH (AH1)	6.7	6.0	6.3
DRAGSTER	7.0	5.7	6.3
RHF	6.3	6.3	6.3
CAPITAN (DLFPS-321/3705)	6.3	6.0	6.2
DLFPS-321/3693	6.0	6.3	6.2
ENDGAME (3N1)	5.7	6.7	6.2
K18-NSE	6.7	5.7	6.2
PROVIDENCE (GO-RH20)	6.3	6.0	6.2
5LSS	6.0	6.0	6.0
AVENGER III (PPG-TF 308)	6.0	6.0	6.0
BATTLE HAWK (NAI-ROS4)	6.0	6.0	6.0
GRANDE 3	5.7	6.3	6.0
PPG-TF 312	6.0	6.0	6.0
RAPTOR III	6.3	5.7	6.0
RHL2	5.7	6.3	6.0
3B2	6.0	5.7	5.8
BRAVO 2	6.0	5.7	5.8
COL-TF-148	6.3	5.3	5.8
GLX REVIVE (PST-5GLBS)	6.0	5.7	5.8
TITANIUM G-LS (PPG-TF 255)	5.3	6.3	5.8
DAYBREAK (AH2)	5.0	6.3	5.7
DLFPS-TF/3553	6.0	5.3	5.7
DYNAMITE G-LS (PPG-TF 254)	6.3	5.0	5.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.3	5.0	5.7
FASTLANE (BY-TF-169)	5.7	5.7	5.7
KIZZLE (K18-ROE)	5.7	5.7	5.7
ORIOLE (PST-5BYOB)	5.3	6.0	5.7
PARAMOUNT	6.0	5.3	5.7
PST-5DC24	6.0	5.3	5.7
ROWDIER (DLFPS-321/3699)	5.7	5.7	5.7
RS1	5.7	5.7	5.7
SPYDER 2LS (ZRC1)	5.7	5.7	5.7
SR 8700 (TMT1)	5.0	6.3	5.7
TITAN GLX (TF445)	6.0	5.3	5.7
BLADERUNNER 3 (DLFPS-321/3701)	5.7	5.3	5.5
BONFIRE (JS DTT)	5.3	5.7	5.5
DLFPS-321/3694	5.7	5.3	5.5
DLFPS-321/3703	5.0	6.0	5.5
FINELAWN SUPREME (RH3)	6.3	4.7	5.5
GRANDER (PPG-TF 267)	6.0	5.0	5.5
HOUNDOG NINE (DLFPS-321/3702)	4.7	6.3	5.5
JT 517	5.3	5.7	5.5
K18-WB1	5.7	5.3	5.5
NAI-ST5	5.3	5.7	5.5
NT-3	5.3	5.7	5.5

TABLE 35. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) AT NEWARK, DE 1/
 2022 DATA

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

NAME	JULY	AUGUST	MEAN
PPG-TF 249	5.7	5.3	5.5
PPG-TF 337	5.7	5.3	5.5
PST-5TRN	4.7	6.3	5.5
RACEWAY (DLFPS-321/3696)	6.0	5.0	5.5
RC4	6.3	4.7	5.5
TD2	5.7	5.3	5.5
TEACHER (PPG-TF 313)	5.7	5.3	5.5
XANADU (JT 268)	5.7	5.3	5.5
DLFPS-321/3695	5.7	5.0	5.3
DLFPS-321/3708	5.3	5.3	5.3
ESTRENA	5.7	5.0	5.3
EXTRAVAGANZA (PST-5MCMO)	4.7	6.0	5.3
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.0	5.3
FIRENZA II (PPG-TF 244)	5.0	5.7	5.3
GALACTIC (SESCR1)	5.3	5.3	5.3
GRO-PRO (SE53D2)	5.3	5.3	5.3
HELLCAT GLR (PST-5E6)	5.3	5.3	5.3
HEMI	5.3	5.3	5.3
LIFEGUARD	5.3	5.3	5.3
MOONDANCE GLX	5.0	5.7	5.3
OKEEFE (LTP-TF-122)	5.3	5.3	5.3
PADRE 2	5.0	5.7	5.3
PPG-TF 318	5.3	5.3	5.3
PRO GOLD	4.7	6.0	5.3
PST-5GQ	4.7	6.0	5.3
PST-5THM	5.3	5.3	5.3
RAPTOR LS (PPG-TF 336)	5.0	5.7	5.3
SE5STAR	5.3	5.3	5.3
SERENADE (PPG-TF 320)	5.7	5.0	5.3
SETFM3	5.3	5.3	5.3
TANGO	4.7	6.0	5.3
TANK (PPG-TF 338)	5.7	5.0	5.3
TITAN MAX (TF456)	5.7	5.0	5.3
BAR-FA8230	5.0	5.3	5.2
BIRMINGHAM	5.0	5.3	5.2
DEGAS (LTP-TF-111)	5.7	4.7	5.2
DLFPS-321/3707	5.3	5.0	5.2
EXPANSE (PPG-TF 262)	5.7	4.7	5.2
FAIRFIELD (SETF104)	5.3	5.0	5.2
FIREHAWK SLT	5.0	5.3	5.2
GLX ACED (PST-5DART)	5.0	5.3	5.2
JT 233	5.3	5.0	5.2
K18-RS6	5.0	5.3	5.2
PPG-TF 231	5.0	5.3	5.2
PPG-TF 316	5.0	5.3	5.2

TABLE 35. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT NEWARK, DE 1/
2022 DATA

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

NAME	JULY	AUGUST	MEAN
RAD-TF105	4.7	5.7	5.2
RAD-TF131	5.3	5.0	5.2
RDC	5.0	5.3	5.2
STEALTH (PPG-TF 238)	5.0	5.3	5.2
TALLADEGA II (NAI-3N2)	5.3	5.0	5.2
AST8218LM	5.0	5.0	5.0
ATF2116	4.7	5.3	5.0
BENTLEY (DLFPS-321/3679)	4.7	5.3	5.0
BULLSEYE LTZ	4.7	5.3	5.0
COPIOUS TF	4.7	5.3	5.0
GALLARDO (DLFPS-TF/3550)	4.7	5.3	5.0
LBF	4.7	5.3	5.0
MONUMENT (PST-5SQB)	5.0	5.0	5.0
TOUGH (NAI-TUE)	5.0	5.0	5.0
TRIAD (PPG-TF 323)	5.3	4.7	5.0
ZION (BAR TF 134)	5.7	4.3	5.0
AST8118LM	5.0	4.7	4.8
BANDIT	4.0	5.7	4.8
DLFPS-321/3706	5.0	4.7	4.8
FALCON SUPREME (RH1)	5.0	4.7	4.8
FAYETTE	4.7	5.0	4.8
LAFAYETTE (GO-AOMK)	4.7	5.0	4.8
NATURALLY GREEN	5.0	4.7	4.8
PST-5MINK	4.7	5.0	4.8
ROVER (PPG-TF 306)	4.0	5.7	4.8
VALSETZ (PPG-TF 257)	4.7	5.0	4.8
ATF1768	4.3	5.0	4.7
BAR 9FE MAS	4.7	4.7	4.7
GRAND PRIX (FC15-01P)	4.7	4.7	4.7
KENTUCKY-31	4.3	5.0	4.7
NAI-FQZ-17	4.0	5.3	4.7
PALOMAR	4.7	4.7	4.7
PST-5DZM	5.0	4.3	4.7
TOPSHELF (BGR-TF3)	4.7	4.7	4.7
BAR FA 8228	4.3	4.7	4.5
BULLSEYE	5.0	4.0	4.5
ESCALADE	4.7	4.3	4.5
RAD-TF115 (TURBO SS)	4.7	4.3	4.5
SETFM2	4.3	4.7	4.5
SYMPHONY (PPG-TF 305)	4.3	4.3	4.3
OG-WALK	4.7	3.7	4.2
A-TF31	3.3	3.7	3.5
LSD VALUE	3.7	3.6	2.3
C.V. (%)	19.1	17.2	13.8

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

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

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS */
2022 DATA

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

NAME	QUALITY	MAXIMUM	NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/		MEAN 1/	IN TOP 25% 2/
3B2	6.1	10.5	FAYETTE	5.8	0.0
5LSS	6.4	31.6	FINELAWN SUPREME (RH3)	6.3	31.6
A-TF31	5.7	10.5	FIRECRACKER G-LS (PPG-TF 315)	6.3	36.8
AST8118LM	5.7	10.5	FIREHAWK SLT	6.3	36.8
AST8218LM	5.6	0.0	FIRENZA II (PPG-TF 244)	6.4	47.4
ATF1768	5.9	15.8	GALACTIC (SESCR1)	6.3	36.8
ATF2116	5.9	10.5	GALLARDO (DLFPS-TF/3550)	6.4	36.8
AVENGER III (PPG-TF 308)	6.4	42.1	GLX ACED (PST-5DART)	6.1	0.0
BANDIT	5.7	5.3	GLX REVIVE (PST-5GLBS)	6.2	21.1
BAR 9FE MAS	5.4	0.0	GRAND PRIX (FC15-01P)	5.5	0.0
BAR FA 8228	5.5	10.5	GRANDE 3	6.0	26.3
BAR-FA8230	5.7	10.5	GRANDER (PPG-TF 267)	6.5	52.6
BATTLE HAWK (NAI-ROS4)	6.3	31.6	GRO-PRO (SE53D2)	5.8	5.3
BENTLEY (DLFPS-321/3679)	6.1	15.8	HELLCAT GLR (PST-5E6)	6.1	15.8
BIRMINGHAM	5.6	0.0	HEMI	6.1	5.3
BLADERUNNER 3 (DLFPS-321/3701)	6.4	52.6	HOUNDDOG NINE (DLFPS-321/3702)	6.3	36.8
BONFIRE (JS DTT)	6.4	42.1	JT 233	6.1	15.8
BRAVO 2	5.7	0.0	JT 517	6.0	15.8
BULLSEYE	5.7	5.3	K18-NSE	6.2	31.6
BULLSEYE LTZ	6.5	36.8	K18-RS6	6.4	31.6
CAPITAN (DLFPS-321/3705)	6.4	47.4	K18-WB1	6.3	52.6
CLASH (AH1)	6.4	57.9	KENTUCKY-31	4.2	0.0
COL-TF-148	6.4	42.1	KIZZLE (K18-ROE)	6.2	15.8
COPIOUS TF	5.7	5.3	LAFAYETTE (GO-AOMK)	5.9	10.5
DAYBREAK (AH2)	6.7	73.7	LBF	5.8	5.3
DEGAS (LTP-TF-111)	6.3	36.8	LIFEGUARD	6.1	10.5
DLFPS-321/3693	6.3	47.4	MONUMENT (PST-5SQB)	5.8	0.0
DLFPS-321/3694	6.1	21.1	MOONDANCE GLX	5.8	0.0
DLFPS-321/3695	6.3	42.1	NAI-FQZ-17	5.6	5.3
DLFPS-321/3703	6.0	10.5	NAI-ST5	6.3	36.8
DLFPS-321/3706	6.3	36.8	NATURALLY GREEN	5.7	0.0
DLFPS-321/3707	6.4	42.1	NT-3	6.3	15.8
DLFPS-321/3708	6.4	21.1	OG-WALK	5.3	0.0
DLFPS-TF/3553	6.4	31.6	OKEEFE (LTP-TF-122)	6.3	42.1
DRAGSTER	6.3	31.6	ORIOLE (PST-5BYOB)	5.9	0.0
DYNAMITE G-LS (PPG-TF 254)	6.4	42.1	PADRE 2	6.1	10.5
ENDGAME (3N1)	6.0	10.5	PALOMAR	5.3	5.3
ESCALADE	5.4	0.0	PARAMOUNT	6.1	10.5
ESSENTIAL 2 (DLFPS-TF/3552)	6.3	21.1	PPG-TF 231	6.3	31.6
ESTRENA	5.9	10.5	PPG-TF 249	6.4	47.4
EXPANSE (PPG-TF 262)	6.5	52.6	PPG-TF 312	6.1	26.3
EXTRAVAGANZA (PST-5MCMO)	6.1	21.1	PPG-TF 316	6.4	52.6
FAIRFIELD (SETF104)	6.1	15.8	PPG-TF 318	6.3	31.6
FALCON SUPREME (RH1)	6.3	26.3	PPG-TF 337	6.4	47.4
FASTLANE (BY-TF-169)	6.2	31.6	PRO GOLD	5.9	15.8

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS
(CONT'D) 2022 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PROVIDENCE (GO-RH20)	6.5	47.4
PST-5DC24	5.9	15.8
PST-5DZM	6.0	5.3
PST-5GQ	6.1	0.0
PST-5MINK	5.7	0.0
PST-5THM	6.0	21.1
PST-5TRN	6.1	10.5
RACEWAY (DLFPS-321/3696)	6.2	10.5
RAD-TF105	6.1	10.5
RAD-TF115 (TURBO SS)	5.6	0.0
RAD-TF131	5.7	0.0
RAPTOR III	6.2	21.1
RAPTOR LS (PPG-TF 336)	6.4	47.4
RC4	6.3	36.8
RDC	6.3	36.8
RHF	6.4	52.6
RHL2	6.5	63.2
ROVER (PPG-TF 306)	6.4	57.9
ROWDIER (DLFPS-321/3699)	6.1	21.1
RS1	6.4	57.9
SE5STAR	5.7	0.0
SERENADE (PPG-TF 320)	6.4	42.1
SETFM2	5.7	0.0
SETFM3	5.9	5.3
SPYDER 2LS (ZRC1)	6.4	73.7
SR 8700 (TMT1)	6.2	21.1
STEALTH (PPG-TF 238)	6.3	42.1
SYMPHONY (PPG-TF 305)	6.3	36.8
TALLADEGA II (NAI-3N2)	6.0	10.5
TANGO	5.8	10.5
TANK (PPG-TF 338)	6.3	21.1
TD2	6.4	47.4
TEACHER (PPG-TF 313)	6.4	52.6
TITAN GLX (TF445)	6.4	36.8
TITAN MAX (TF456)	6.3	10.5
TITANIUM G-LS (PPG-TF 255)	6.4	57.9
TOPSHELF (BGR-TF3)	5.7	10.5
TOUGH (NAI-TUE)	5.8	15.8
TRIAD (PPG-TF 323)	6.4	52.6
VALSETZ (PPG-TF 257)	6.4	52.6
XANADU (JT 268)	6.5	63.2
ZION (BAR TF 134)	6.3	31.6
LSD VALUE	0.2	
C.V. (%)	7.9	

*/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE 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.