

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 2023

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	Southside (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	Barnoble (BAR 9FE MAS)	Barenbrug USA	*70	Fierce (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	Tycoon (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	Gem (PPG-TF 316)	Lewis Seed Co.	122	Estrena	Semillas Dalmau
*35	Houndog Nine (DLFPS-321/3702)	DLF USA	79	RC4	Semillas Fito	*123	AST8118LM	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	Tar Heel III (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 2024

TABLE A.

2023 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 CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IA2	SANDY CLAY 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	PARTIAL SHADE	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	3.1-3.5	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	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	-	-	-	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	LOAM	5.6-6.0	61-150	241-375	1.1-2.0	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 DORMANCY
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	2.6-3.0	TO PREVENT STRESS
UT2	SILT LOAM AND SILT	7.6-8.5	-	-	-	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
VA1	SILTY CLAY LOAM	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
VA2	SILTY CLAY LOAM	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2023

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
GA1		X	X	X	X	X	X	X	X	X	X		X		
IA1				X	X	X	X	X	X	X	X		X	X	X
IA2				X	X	X	X	X	X	X	X		X	X	X
IA3				X	X	X	X	X	X	X	X		X	X	X
IN1				X	X	X	X	X	X	X					X
KS1				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		X
MS1		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					
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
OR1		X	X	X	X	X	X	X	X	X	X				
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1					X	X	X	X	X	X	X		X	X	X
UT2					X	X	X	X	X	X				X	
VA1				X	X	X	X	X	X	X			X		X
VA2				X	X	X	X	X	X	X			X		X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2023

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	BROWN PATCH WARM TEMP.	PINK SNOW MOLD	FALL COLOR NOVEMBER	UNIFORMITY RATINGS	WEAR TOLERANCE				
												MAY	JULY	OCTOBER		
CT1		X	X													
DE1								X								
GA1																
IA1	X	X	X	X	X	X										
* IA2	X	X	X													
IA3	X	X	X													
IN1	X	X														
KS1																
MA1													X	X		X
MD1																
MI1			X													
MS1		X					X									
NC1	X	X							X							
NE1			X							X		X				
NJ1									X							
NJ2																
* NJ3																
OK1	X	X	X	X	X	X	X									
ON1	X	X	X	X	X	X				X		X				
OR1																
TN1	X	X	X	X	X	X										
UT1		X								X		X				
UT2					X											
VA1																
VA2																

* MORE DATA FOR IA2 AND NJ3 IN TABLE 11 AND 13.

TABLE 1.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2023 DATA

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

NAME	ENTRY #	NJ2	NJ1	NC1	IN1	OR1	VA1	MD1	KS1	MEAN
*DAYBREAK (AH2)	69	7.0	7.0	7.0	6.4	6.4	6.5	7.8	5.1	6.9
*EXPANSE (PPG-TF 262)	67	6.6	6.7	6.8	6.2	6.3	6.5	7.8	5.1	6.7
*CLASH (AH1)	65	6.5	6.6	6.8	6.2	6.2	6.4	7.7	5.1	6.6
DLFPS-321/3707	61	6.5	6.6	6.7	6.1	6.2	6.3	7.7	5.0	6.6
*PROVIDENCE (GO-RH20)	99	6.5	6.6	6.8	6.2	6.3	6.4	7.8	5.1	6.6
RC4	79	6.5	6.6	6.7	6.1	6.1	6.2	7.6	4.9	6.5
*FIRENZA II (PPG-TF 244)	76	6.4	6.5	6.7	6.1	6.1	6.3	7.7	5.0	6.5
*SOUTHSIDE (PPG-TF 267)	68	6.3	6.5	6.6	6.1	6.2	6.4	7.7	5.0	6.5
*XANADU (JT 268)	75	6.3	6.4	6.6	6.1	6.2	6.4	7.7	5.1	6.5
5LSS	10	6.4	6.5	6.6	6.0	6.1	6.3	7.6	4.9	6.5
*STEALTH (PPG-TF 238)	81	6.3	6.4	6.6	6.1	6.1	6.3	7.7	5.0	6.5
*SPYDER 2LS (ZRC1)	89	6.4	6.5	6.7	6.1	6.2	6.4	7.7	5.0	6.5
*BONFIRE (JS DTT)	24	6.2	6.4	6.6	6.0	6.1	6.3	7.6	5.0	6.4
*TYCOON (COL-TF-148)	28	6.1	6.3	6.5	6.0	6.1	6.3	7.6	5.0	6.4
*FIERCE (K18-RS6)	70	6.2	6.4	6.5	6.0	6.0	6.2	7.6	4.9	6.4
*GALLARDO (DLFPS-TF/3550)	13	6.1	6.3	6.5	6.0	6.0	6.3	7.6	4.9	6.4
FINELAWN SUPREME (RH3)	73	6.2	6.3	6.5	6.0	6.0	6.2	7.6	4.9	6.4
TD2	18	6.1	6.3	6.5	6.0	6.0	6.3	7.6	5.0	6.4
*GEM (PPG-TF 316)	78	6.1	6.3	6.5	6.0	6.0	6.2	7.6	4.9	6.4
DLFPS-321/3708	62	6.0	6.2	6.5	6.0	6.0	6.3	7.6	5.0	6.4
RS1	9	6.1	6.3	6.5	6.0	6.0	6.2	7.6	4.9	6.4
*SYMPHONY (PPG-TF 305)	77	6.0	6.2	6.5	6.0	6.0	6.3	7.6	5.0	6.4
DLFPS-321/3693	3	6.1	6.3	6.4	5.9	6.0	6.2	7.5	4.8	6.3
NT-3	8	5.9	6.1	6.4	5.9	6.0	6.3	7.6	5.0	6.3
*ESSENTIAL 2 (DLFPS-TF/3552)	14	6.0	6.2	6.4	5.9	6.0	6.2	7.5	4.9	6.3
*FALCON SUPREME (RH1)	72	5.9	6.1	6.4	5.9	6.0	6.2	7.6	4.9	6.3
*VALSETZ (PPG-TF 257)	80	5.9	6.1	6.4	5.9	6.0	6.2	7.6	4.9	6.3
*SERENADE (PPG-TF 320)	119	6.2	6.4	6.6	6.1	6.1	6.4	7.7	5.1	6.3
DLFPS-321/3706	60	6.0	6.2	6.4	5.9	5.9	6.2	7.5	4.8	6.3
RHL2	115	6.2	6.3	6.5	6.0	6.0	6.2	7.5	4.9	6.3
*CAPITAN (DLFPS-321/3705)	59	5.8	6.1	6.4	5.9	6.0	6.2	7.6	4.9	6.3
K18-NSE	32	6.2	6.3	6.4	5.8	5.9	6.0	7.4	4.7	6.3
DLFPS-321/3695	5	6.0	6.2	6.4	5.8	5.9	6.1	7.4	4.8	6.3
*HOUND DOG NINE (DLFPS-321/3702)	35	5.9	6.1	6.4	5.9	5.9	6.2	7.5	4.8	6.3
DLFPS-TF/3553	15	5.9	6.1	6.3	5.8	5.9	6.1	7.5	4.8	6.2
*BATTLE HAWK (NAI-ROS4)	103	6.2	6.3	6.5	5.9	6.0	6.2	7.5	4.9	6.2
*TITANIUM G-LS (PPG-TF 255)	84	6.1	6.3	6.6	6.1	6.1	6.4	7.7	5.0	6.2
RHF	117	6.2	6.3	6.5	5.9	6.0	6.2	7.5	4.9	6.2
*DEGAS (LTP-TF-111)	30	5.8	6.0	6.3	5.8	5.9	6.2	7.5	4.9	6.2
*BULLSEYE LTZ	96	6.1	6.3	6.5	6.0	6.0	6.2	7.6	4.9	6.2
RDC	25	5.8	6.0	6.3	5.8	5.9	6.2	7.5	4.9	6.2
K18-WB1	71	5.9	6.1	6.3	5.8	5.8	6.1	7.4	4.7	6.2
*DYNAMITE G-LS (PPG-TF 254)	82	5.7	6.0	6.3	5.8	5.9	6.2	7.5	4.9	6.2
*GALACTIC (SESCR1)	108	6.1	6.3	6.5	5.9	6.0	6.2	7.5	4.9	6.2
*TEACHER (PPG-TF 313)	118	6.1	6.3	6.5	6.0	6.0	6.3	7.6	4.9	6.2
*O'KEEFE (LTP-TF-122)	29	5.7	5.9	6.2	5.8	5.8	6.1	7.5	4.8	6.1
*BLADERUNNER 3 (DLFPS-321/3701)	34	5.5	5.8	6.2	5.7	5.8	6.2	7.5	4.9	6.1
*AVENGER III (PPG-TF 308)	83	6.0	6.2	6.5	6.0	6.0	6.3	7.6	5.0	6.1
*ZION (BAR TF 134)	63	5.5	5.8	6.1	5.7	5.8	6.1	7.4	4.8	6.1

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2023 DATA

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

NAME	ENTRY #	NJ2	NJ1	NC1	IN1	OR1	VA1	MD1	KS1	MEAN
*ROVER (PPG-TF 306)	91	6.0	6.2	6.4	5.9	6.0	6.3	7.6	4.9	6.1
*TITAN GLX (TF445)	129	5.9	6.2	6.4	6.0	6.0	6.3	7.6	5.0	6.0
*FASTLANE (BY-TF-169)	33	5.4	5.8	6.1	5.7	5.8	6.1	7.4	4.8	6.0
PPG-TF 249	66	5.4	5.7	6.1	5.7	5.8	6.1	7.4	4.8	6.0
DLFPS-321/3694	4	5.6	5.8	6.1	5.6	5.7	6.0	7.3	4.6	6.0
*GLX ACED (PST-5DART)	50	5.4	5.7	6.1	5.7	5.7	6.1	7.4	4.8	6.0
*SR 8700 (TMT1)	6	5.4	5.7	6.1	5.6	5.7	6.1	7.4	4.7	6.0
JT 233	74	5.5	5.7	6.1	5.6	5.7	6.0	7.3	4.7	6.0
*TRIAD (PPG-TF 323)	120	5.9	6.1	6.3	5.9	5.9	6.2	7.5	4.9	6.0
*RACEWAY (DLFPS-321/3696)	19	5.2	5.6	6.0	5.6	5.7	6.1	7.4	4.8	6.0
*KIZZLE (K18-ROE)	31	5.2	5.6	6.0	5.6	5.7	6.1	7.4	4.8	5.9
*HELLCAT GLR (PST-5E6)	41	5.2	5.6	6.0	5.6	5.7	6.1	7.4	4.8	5.9
*TANK (PPG-TF 338)	121	5.8	6.0	6.3	5.9	5.9	6.2	7.5	4.9	5.9
PPG-TF 337	88	5.8	6.0	6.3	5.8	5.9	6.2	7.5	4.9	5.9
*LIFEGUARD	44	5.2	5.5	6.0	5.6	5.7	6.1	7.4	4.8	5.9
PST-5TRN	37	5.2	5.5	5.9	5.5	5.6	6.0	7.3	4.7	5.9
*ROWDIER (DLFPS-321/3699)	20	5.1	5.5	5.9	5.6	5.7	6.1	7.4	4.8	5.9
*PARAMOUNT	2	5.3	5.6	5.9	5.5	5.6	5.9	7.2	4.6	5.8
PST-5GQ	38	5.1	5.5	5.9	5.5	5.6	6.0	7.3	4.7	5.8
*ENDGAME (3N1)	53	5.1	5.5	5.9	5.5	5.5	5.9	7.2	4.6	5.8
PPG-TF 318	92	5.7	5.9	6.2	5.8	5.8	6.1	7.4	4.8	5.8
DLFPS-321/3703	36	5.1	5.5	5.9	5.4	5.5	5.9	7.2	4.6	5.8
*GLX REVIVE (PST-5GLBS)	49	4.9	5.3	5.8	5.5	5.6	6.0	7.3	4.7	5.8
*RAPTOR LS (PPG-TF 336)	87	5.7	5.9	6.2	5.8	5.8	6.1	7.5	4.8	5.8
*PADRE 2	56	5.1	5.4	5.8	5.4	5.5	5.9	7.2	4.6	5.8
*GRANDE 3	21	5.2	5.5	5.8	5.4	5.5	5.8	7.2	4.5	5.8
*FIRECRACKER G-LS (PPG-TF 315)	86	5.6	5.9	6.2	5.7	5.8	6.1	7.4	4.7	5.8
NAI-ST5	105	5.6	5.9	6.2	5.8	5.8	6.2	7.5	4.9	5.7
*EXTRAVAGANZA (PST-5MCMO)	39	4.8	5.3	5.8	5.5	5.5	6.0	7.3	4.7	5.7
*RAPTOR III	116	5.6	5.9	6.2	5.7	5.8	6.1	7.4	4.8	5.7
*BENTLEY (DLFPS-321/3679)	16	4.8	5.3	5.8	5.4	5.5	5.9	7.3	4.6	5.7
PPG-TF 312	85	5.6	5.8	6.1	5.6	5.6	5.9	7.2	4.6	5.7
*DRAGSTER	98	5.5	5.8	6.1	5.7	5.8	6.1	7.5	4.8	5.6
*TITAN MAX (TF456)	130	5.5	5.8	6.2	5.8	5.8	6.2	7.5	4.9	5.6
ATF1768	12	4.6	5.1	5.6	5.3	5.4	5.9	7.2	4.6	5.6
*FAYETTE	22	4.6	5.0	5.6	5.2	5.3	5.8	7.1	4.5	5.5
*FIREHAWK SLT	94	5.4	5.7	6.0	5.6	5.7	6.0	7.4	4.7	5.5
*HEMI	95	5.3	5.7	6.0	5.6	5.7	6.0	7.4	4.7	5.5
*ORIOLE (PST-5BYOB)	43	4.4	4.9	5.5	5.2	5.3	5.8	7.2	4.5	5.5
PST-5DC24	51	4.4	4.9	5.5	5.2	5.3	5.8	7.2	4.6	5.5
LBF	17	4.6	5.0	5.5	5.2	5.3	5.7	7.1	4.4	5.5
PST-5DZM	48	4.3	4.8	5.5	5.2	5.3	5.9	7.2	4.6	5.5
*TAR HEEL III (PST-5THM)	42	4.3	4.9	5.5	5.2	5.3	5.8	7.1	4.5	5.4
JT 517	23	4.2	4.8	5.4	5.1	5.2	5.8	7.1	4.5	5.4
PPG-TF 231	90	5.2	5.5	5.9	5.5	5.6	6.0	7.3	4.7	5.4
*MONUMENT (PST-5SQB)	47	4.4	4.8	5.4	5.1	5.2	5.7	7.0	4.4	5.4
*COPIOUS TF	55	4.4	4.8	5.4	5.1	5.2	5.6	7.0	4.4	5.4
*TALLADEGA II (NAI-3N2)	102	5.2	5.5	5.9	5.4	5.5	5.9	7.2	4.6	5.3

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2023 DATA

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

NAME	ENTRY #	NJ2	NJ1	NC1	IN1	OR1	VA1	MD1	KS1	MEAN
*FAIRFIELD (SETF104)	109	5.1	5.5	5.8	5.4	5.5	5.9	7.2	4.6	5.3
*PRO GOLD	40	4.1	4.7	5.3	5.0	5.1	5.7	7.0	4.4	5.3
*MOONDANCE GLX	46	4.1	4.6	5.3	5.0	5.1	5.7	7.0	4.4	5.3
ATF2116	7	3.9	4.5	5.2	5.0	5.1	5.7	7.0	4.4	5.2
PST-5MINK	45	4.0	4.6	5.2	5.0	5.1	5.6	7.0	4.3	5.2
3B2	112	5.0	5.4	5.8	5.5	5.5	5.9	7.3	4.7	5.2
*BRAVO 2	57	3.9	4.5	5.2	5.0	5.1	5.6	7.0	4.4	5.2
ESTRENA	122	4.9	5.3	5.7	5.3	5.4	5.8	7.2	4.5	5.1
*BANDIT	54	3.9	4.5	5.1	4.9	5.0	5.5	6.9	4.3	5.1
*TANGO	52	3.7	4.3	5.1	4.8	5.0	5.6	6.9	4.3	5.1
*TOPSHELF (BGR-TF3)	11	3.8	4.4	5.1	4.8	4.9	5.5	6.9	4.3	5.0
*NATURALLY GREEN	1	3.6	4.3	5.0	4.8	4.9	5.5	6.9	4.3	5.0
NAI-FQZ-17	58	3.7	4.3	5.0	4.8	4.9	5.5	6.9	4.2	5.0
RAD-TF105	113	4.8	5.2	5.7	5.3	5.4	5.8	7.2	4.5	5.0
BAR-FA8230	64	3.4	4.1	4.9	4.7	4.8	5.5	6.9	4.2	4.9
RAD-TF 115 (TURBO SS)	97	4.5	4.9	5.4	5.0	5.1	5.5	6.8	4.2	4.7
*GRO-PRO (SE53D2)	106	4.5	4.9	5.5	5.2	5.3	5.7	7.1	4.5	4.7
RAD-TF131	114	4.5	4.9	5.3	5.0	5.0	5.5	6.8	4.2	4.7
*BARNOBLE (BAR 9FE MAS)	26	3.0	3.7	4.5	4.4	4.5	5.2	6.6	4.0	4.6
*TOUGH (NAI-TUE)	104	4.3	4.8	5.4	5.1	5.2	5.7	7.0	4.4	4.5
SETFM3	111	4.2	4.8	5.4	5.1	5.2	5.8	7.1	4.5	4.5
*LAFAYETTE (GO-AOMK)	101	4.2	4.7	5.4	5.1	5.2	5.7	7.1	4.4	4.5
BAR FA 8228	27	2.7	3.5	4.4	4.3	4.5	5.2	6.6	4.0	4.5
*BULLSEYE	93	4.1	4.6	5.2	4.9	5.0	5.5	6.9	4.3	4.4
A-TF31	125	4.1	4.6	5.2	5.0	5.1	5.6	6.9	4.3	4.3
SETFM2	110	4.0	4.5	5.2	4.9	5.0	5.6	6.9	4.3	4.3
SE5STAR	107	3.8	4.4	5.1	4.8	4.9	5.5	6.8	4.2	4.1
*AST8218LM	124	3.7	4.3	5.0	4.8	4.9	5.5	6.8	4.2	4.0
*BIRMINGHAM	100	3.7	4.3	5.0	4.7	4.9	5.4	6.8	4.2	4.0
*AST8118LM	123	3.6	4.2	4.9	4.7	4.8	5.4	6.8	4.2	3.9
*GRAND PRIX (FC15-01P)	131	3.3	4.0	4.8	4.6	4.7	5.3	6.7	4.1	3.7
*ESCALADE	127	2.9	3.7	4.6	4.5	4.6	5.3	6.7	4.1	3.3
*PALOMAR	126	2.8	3.6	4.4	4.3	4.4	5.1	6.5	3.9	3.2
*OG-WALK	128	2.6	3.4	4.3	4.2	4.3	5.1	6.4	3.9	3.0
*KENTUCKY-31	132	0.6	1.7	2.8	2.9	3.1	4.0	5.4	2.8	1.2
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		9.2	8.6	8.0	8.6	8.5	7.9	6.5	10.2	8.4

* COMMERCIALY AVAILABLE IN THE USA IN 2024

** 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 */
2023 DATA

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

NAME	ENTRY #	CT1	DE1	GA1	NE1	UT1	MEAN
EXPANSE (PPG-TF 262)	67	7.1	6.8	7.9	6.9	6.9	7.1
XANADU (JT 268)	75	7.0	6.8	7.9	6.9	6.9	7.1
DAYBREAK (AH2)	69	7.0	6.8	7.8	6.8	6.9	7.1
CLASH (AH1)	65	7.0	6.7	7.8	6.8	6.9	7.0
TYCOON (COL-TF-148)	28	6.9	6.7	7.8	6.8	6.9	7.0
DLFPS-321/3708	62	6.9	6.7	7.8	6.8	6.9	7.0
SOUTHSIDE (PPG-TF 267)	68	7.0	6.7	7.8	6.8	6.9	7.0
NT-3	8	6.9	6.7	7.8	6.8	6.9	7.0
SYMPHONY (PPG-TF 305)	77	6.9	6.7	7.8	6.8	6.9	7.0
STEALTH (PPG-TF 238)	81	6.9	6.7	7.8	6.8	6.8	7.0
FIRENZA II (PPG-TF 244)	76	6.9	6.7	7.8	6.8	6.8	7.0
CAPITAN (DLFPS-321/3705)	59	6.9	6.7	7.8	6.8	6.9	7.0
TD2	18	6.9	6.7	7.7	6.8	6.8	7.0
BONFIRE (JS DTT)	24	6.9	6.7	7.7	6.8	6.8	7.0
GALLARDO (DLFPS-TF/3550)	13	6.9	6.7	7.7	6.8	6.8	7.0
BLADERUNNER 3 (DLFPS-321/3701)	34	6.8	6.6	7.7	6.8	6.8	7.0
FALCON SUPREME (RH1)	72	6.9	6.6	7.7	6.8	6.8	7.0
DLFPS-321/3707	61	6.9	6.7	7.7	6.7	6.8	7.0
VALSETZ (PPG-TF 257)	80	6.9	6.6	7.7	6.8	6.8	7.0
DYNAMITE G-LS (PPG-TF 254)	82	6.8	6.6	7.7	6.8	6.8	7.0
RS1	9	6.9	6.6	7.7	6.7	6.8	6.9
RACEWAY (DLFPS-321/3696)	19	6.8	6.6	7.7	6.8	6.8	6.9
GEM (PPG-TF 316)	78	6.9	6.6	7.7	6.7	6.8	6.9
ROWDIER (DLFPS-321/3699)	20	6.8	6.6	7.7	6.8	6.8	6.9
RDC	25	6.8	6.6	7.7	6.7	6.8	6.9
ESSENTIAL 2 (DLFPS-TF/3552)	14	6.8	6.6	7.7	6.7	6.8	6.9
PPG-TF 249	66	6.8	6.6	7.7	6.7	6.8	6.9
DEGAS (LTP-TF-111)	30	6.8	6.6	7.7	6.7	6.8	6.9
PROVIDENCE (GO-RH20)	99	7.0	6.8	7.9	6.9	6.9	6.9
KIZZLE (K18-ROE)	31	6.8	6.6	7.7	6.7	6.8	6.9
FINELAWN SUPREME (RH3)	73	6.8	6.6	7.7	6.7	6.7	6.9
FIERCE (K18-RS6)	70	6.8	6.6	7.7	6.7	6.7	6.9
LIFEGUARD	44	6.7	6.5	7.7	6.7	6.8	6.9
5LSS	10	6.8	6.6	7.6	6.7	6.7	6.9
HELLCAT GLR (PST-5E6)	41	6.7	6.5	7.7	6.7	6.8	6.9
SERENADE (PPG-TF 320)	119	7.0	6.8	7.9	6.9	6.9	6.9
FASTLANE (BY-TF-169)	33	6.8	6.5	7.7	6.7	6.8	6.9
EXTRAVAGANZA (PST-5MCMO)	39	6.7	6.5	7.7	6.7	6.8	6.9
HOUND OG NINE (DLFPS-321/3702)	35	6.8	6.6	7.6	6.7	6.7	6.9
GLX ACED (PST-5DART)	50	6.7	6.5	7.7	6.7	6.8	6.9
TITANIUM G-LS (PPG-TF 255)	84	7.0	6.8	7.9	6.9	6.9	6.9
GLX REVIVE (PST-5GLBS)	49	6.7	6.5	7.7	6.7	6.8	6.9
O'KEEFE (LTP-TF-122)	29	6.8	6.5	7.6	6.7	6.7	6.9
ZION (BAR TF 134)	63	6.7	6.5	7.6	6.7	6.7	6.9
RC4	79	6.8	6.6	7.6	6.6	6.7	6.9
DLFPS-321/3706	60	6.8	6.5	7.6	6.7	6.7	6.9
DLFPS-321/3693	3	6.8	6.5	7.6	6.7	6.7	6.9
SR 8700 (TMT1)	6	6.7	6.5	7.6	6.7	6.7	6.9

TABLE 2.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2023 DATA

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

NAME	ENTRY #	CT1	DE1	GA1	NE1	UT1	MEAN
DLFPS-TF/3553	15	6.8	6.5	7.6	6.6	6.7	6.8
TITAN GLX (TF445)	129	7.0	6.7	7.8	6.9	6.9	6.8
PST-5GQ	38	6.7	6.5	7.6	6.7	6.7	6.8
PST-5TRN	37	6.7	6.5	7.6	6.7	6.7	6.8
PST-5DZM	48	6.6	6.4	7.6	6.7	6.8	6.8
SPYDER 2LS (ZRC1)	89	7.0	6.7	7.8	6.8	6.8	6.8
DLFPS-321/3695	5	6.7	6.5	7.6	6.6	6.6	6.8
BENTLEY (DLFPS-321/3679)	16	6.6	6.4	7.6	6.7	6.7	6.8
AVENGER III (PPG-TF 308)	83	6.9	6.7	7.8	6.8	6.9	6.8
ATF1768	12	6.6	6.4	7.6	6.6	6.7	6.8
ROVER (PPG-TF 306)	91	6.9	6.7	7.8	6.8	6.8	6.8
PST-5DC24	51	6.6	6.4	7.6	6.6	6.7	6.8
TEACHER (PPG-TF 313)	118	6.9	6.7	7.7	6.8	6.8	6.8
JT 517	23	6.6	6.4	7.6	6.6	6.7	6.8
TITAN MAX (TF456)	130	6.9	6.7	7.8	6.8	6.9	6.8
JT 233	74	6.6	6.4	7.5	6.6	6.6	6.8
K18-WB1	71	6.7	6.4	7.5	6.6	6.6	6.8
ORIOLE (PST-5BYOB)	43	6.6	6.4	7.5	6.6	6.7	6.8
BULLSEYE LTZ	96	6.9	6.6	7.7	6.7	6.8	6.7
TANK (PPG-TF 338)	121	6.9	6.6	7.7	6.8	6.8	6.7
PADRE 2	56	6.6	6.4	7.5	6.6	6.6	6.7
PPG-TF 337	88	6.8	6.6	7.7	6.8	6.8	6.7
TAR HEEL III (PST-5THM)	42	6.5	6.3	7.5	6.6	6.7	6.7
TRIAD (PPG-TF 323)	120	6.8	6.6	7.7	6.7	6.8	6.7
NAI-ST5	105	6.8	6.6	7.7	6.8	6.8	6.7
DLFPS-321/3694	4	6.6	6.4	7.5	6.5	6.6	6.7
ENDGAME (3N1)	53	6.6	6.3	7.5	6.5	6.6	6.7
DLFPS-321/3703	36	6.6	6.3	7.5	6.5	6.6	6.7
PARAMOUNT	2	6.6	6.3	7.5	6.5	6.6	6.7
RHF	117	6.8	6.6	7.6	6.7	6.7	6.7
GALACTIC (SESCR1)	108	6.8	6.6	7.6	6.7	6.7	6.7
K18-NSE	32	6.6	6.4	7.4	6.5	6.5	6.7
DRAGSTER	98	6.8	6.6	7.7	6.7	6.8	6.7
RHL2	115	6.8	6.6	7.6	6.7	6.7	6.7
ATF2116	7	6.4	6.3	7.5	6.6	6.6	6.7
BATTLE HAWK (NAI-ROS4)	103	6.8	6.6	7.6	6.7	6.7	6.7
FAYETTE	22	6.5	6.3	7.4	6.5	6.6	6.7
RAPTOR LS (PPG-TF 336)	87	6.8	6.5	7.7	6.7	6.8	6.7
PRO GOLD	40	6.4	6.3	7.4	6.5	6.6	6.6
PPG-TF 318	92	6.8	6.5	7.6	6.7	6.7	6.6
RAPTOR III	116	6.8	6.5	7.6	6.7	6.7	6.6
MOONDANCE GLX	46	6.4	6.2	7.4	6.5	6.6	6.6
BRAVO 2	57	6.4	6.2	7.4	6.5	6.6	6.6
GRANDE 3	21	6.5	6.3	7.4	6.4	6.5	6.6
MONUMENT (PST-5SQB)	47	6.4	6.2	7.4	6.5	6.5	6.6
FIREHAWK SLT	94	6.7	6.5	7.6	6.7	6.7	6.6
LBF	17	6.4	6.2	7.4	6.4	6.5	6.6
PST-5MINK	45	6.4	6.2	7.4	6.5	6.5	6.6

TABLE 2.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2023 DATA

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

NAME	ENTRY #	CT1	DE1	GA1	NE1	UT1	MEAN
NATURALLY GREEN	1	6.3	6.2	7.4	6.5	6.6	6.6
FIRECRACKER G-LS (PPG-TF 315)	86	6.7	6.5	7.6	6.6	6.7	6.6
HEMI	95	6.7	6.5	7.6	6.6	6.7	6.6
TANGO	52	6.3	6.2	7.4	6.5	6.5	6.6
COPIOUS TF	55	6.4	6.2	7.4	6.4	6.5	6.6
BAR-FA8230	64	6.3	6.1	7.4	6.5	6.5	6.6
PPG-TF 231	90	6.6	6.4	7.6	6.6	6.7	6.5
3B2	112	6.6	6.4	7.6	6.6	6.7	6.5
TOPSHELF (BGR-TF3)	11	6.3	6.1	7.3	6.4	6.5	6.5
BANDIT	54	6.3	6.1	7.3	6.4	6.5	6.5
NAI-FQZ-17	58	6.3	6.1	7.3	6.4	6.5	6.5
TALLADEGA II (NAI-3N2)	102	6.6	6.3	7.5	6.5	6.6	6.4
RAD-TF105	113	6.5	6.3	7.5	6.6	6.6	6.4
FAIRFIELD (SETF104)	109	6.5	6.3	7.4	6.5	6.5	6.4
PPG-TF 312	85	6.5	6.3	7.4	6.4	6.5	6.4
SETFM3	111	6.5	6.3	7.5	6.6	6.7	6.4
ESTRENA	122	6.5	6.3	7.4	6.5	6.5	6.4
GRO-PRO (SE53D2)	106	6.5	6.3	7.5	6.5	6.6	6.4
BAR FA 8228	27	6.1	5.9	7.2	6.3	6.4	6.4
LAFAYETTE (GO-AOMK)	101	6.4	6.3	7.4	6.5	6.6	6.4
BARNOBLE (BAR 9FE MAS)	26	6.1	5.9	7.2	6.3	6.4	6.4
TOUGH (NAI-TUE)	104	6.4	6.2	7.4	6.5	6.5	6.3
A-TF31	125	6.3	6.2	7.3	6.4	6.5	6.2
SETFM2	110	6.3	6.1	7.3	6.4	6.5	6.2
BULLSEYE	93	6.3	6.1	7.3	6.3	6.4	6.2
AST8218LM	124	6.2	6.1	7.3	6.4	6.4	6.1
BIRMINGHAM	100	6.2	6.0	7.2	6.3	6.4	6.1
SE5STAR	107	6.2	6.0	7.2	6.3	6.4	6.1
AST8118LM	123	6.2	6.0	7.2	6.3	6.4	6.1
ESCALADE	127	6.1	6.0	7.3	6.4	6.5	6.1
RAD-TF 115 (TURBO SS)	97	6.2	6.0	7.1	6.2	6.2	6.1
RAD-TF131	114	6.2	6.0	7.1	6.2	6.2	6.1
GRAND PRIX (FC15-01P)	131	6.1	6.0	7.2	6.3	6.4	6.0
PALOMAR	126	6.0	5.8	7.1	6.2	6.3	5.9
OG-WALK	128	5.9	5.8	7.0	6.2	6.2	5.9
KENTUCKY-31	132	4.9	4.8	6.1	5.3	5.4	4.9
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		7.1	7.4	6.3	7.1	7.1	7.1

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

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

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

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2023 DATA

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

NAME	ENTRY #	OK1	MI1	MS1	MEAN
TITANIUM G-LS (PPG-TF 255)	84	5.4	6.8	4.1	5.5
TITAN MAX (TF456)	130	5.4	6.8	4.2	5.5
SERENADE (PPG-TF 320)	119	5.4	6.8	4.1	5.5
TITAN GLX (TF445)	129	5.4	6.8	4.1	5.5
XANADU (JT 268)	75	5.4	6.8	4.1	5.4
EXPANSE (PPG-TF 262)	67	5.4	6.8	4.1	5.4
PROVIDENCE (GO-RH20)	99	5.4	6.8	4.1	5.4
NT-3	8	5.4	6.8	4.1	5.4
ROWDIER (DLFPS-321/3699)	20	5.4	6.7	4.1	5.4
DLFPS-321/3708	62	5.4	6.8	4.1	5.4
BLADERUNNER 3 (DLFPS-321/3701)	34	5.4	6.7	4.1	5.4
TYCOON (COL-TF-148)	28	5.4	6.7	4.1	5.4
RACEWAY (DLFPS-321/3696)	19	5.3	6.7	4.1	5.4
AVENGER III (PPG-TF 308)	83	5.4	6.7	4.1	5.4
SYMPHONY (PPG-TF 305)	77	5.4	6.7	4.1	5.4
PST-5DZM	48	5.3	6.7	4.1	5.4
CAPITAN (DLFPS-321/3705)	59	5.4	6.7	4.1	5.4
EXTRAVAGANZA (PST-5MCMO)	39	5.3	6.7	4.1	5.4
ROVER (PPG-TF 306)	91	5.3	6.7	4.1	5.4
KIZZLE (K18-ROE)	31	5.3	6.7	4.1	5.4
NAI-ST5	105	5.3	6.7	4.1	5.4
LIFEGUARD	44	5.3	6.7	4.1	5.4
SOUTHSIDE (PPG-TF 267)	68	5.3	6.7	4.0	5.4
GLX REVIVE (PST-5GLBS)	49	5.3	6.7	4.1	5.4
CLASH (AH1)	65	5.3	6.7	4.0	5.4
DYNAMITE G-LS (PPG-TF 254)	82	5.3	6.7	4.1	5.4
PPG-TF 249	66	5.3	6.7	4.1	5.4
TANK (PPG-TF 338)	121	5.3	6.7	4.0	5.4
STEALTH (PPG-TF 238)	81	5.3	6.7	4.0	5.4
PPG-TF 337	88	5.3	6.7	4.0	5.3
SPYDER 2LS (ZRC1)	89	5.3	6.7	4.0	5.3
TEACHER (PPG-TF 313)	118	5.3	6.7	4.0	5.3
FALCON SUPREME (RH1)	72	5.3	6.7	4.0	5.3
TD2	18	5.3	6.7	4.0	5.3
DRAGSTER	98	5.3	6.7	4.0	5.3
HELLCAT GLR (PST-5E6)	41	5.3	6.7	4.1	5.3
VALSETZ (PPG-TF 257)	80	5.3	6.7	4.0	5.3
DAYBREAK (AH2)	69	5.3	6.7	4.0	5.3
GALLARDO (DLFPS-TF/3550)	13	5.3	6.7	4.0	5.3
FIRENZA II (PPG-TF 244)	76	5.3	6.7	4.0	5.3
BONFIRE (JS DTT)	24	5.3	6.7	4.0	5.3
JT 517	23	5.3	6.7	4.1	5.3
TRIAD (PPG-TF 323)	120	5.3	6.7	4.0	5.3
RDC	25	5.3	6.7	4.0	5.3
GLX ACED (PST-5DART)	50	5.3	6.7	4.0	5.3
PST-5DC24	51	5.2	6.6	4.1	5.3
FASTLANE (BY-TF-169)	33	5.3	6.7	4.0	5.3
DEGAS (LTP-TF-111)	30	5.3	6.7	4.0	5.3

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2023 DATA

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

NAME	ENTRY #	OK1	MI1	MS1	MEAN
RS1	9	5.3	6.7	4.0	5.3
ATF1768	12	5.2	6.6	4.0	5.3
BULLSEYE LTZ	96	5.3	6.6	4.0	5.3
PST-5GQ	38	5.2	6.6	4.0	5.3
BENTLEY (DLFPS-321/3679)	16	5.2	6.6	4.0	5.3
RAPTOR LS (PPG-TF 336)	87	5.3	6.6	4.0	5.3
ESSENTIAL 2 (DLFPS-TF/3552)	14	5.3	6.6	4.0	5.3
GEM (PPG-TF 316)	78	5.3	6.6	4.0	5.3
PST-5TRN	37	5.2	6.6	4.0	5.3
ORIOLE (PST-5BYOB)	43	5.2	6.6	4.0	5.3
SR 8700 (TMT1)	6	5.2	6.6	4.0	5.3
ZION (BAR TF 134)	63	5.2	6.6	4.0	5.3
RAPTOR III	116	5.2	6.6	4.0	5.3
FIREHAWK SLT	94	5.2	6.6	4.0	5.3
SETFM3	111	5.2	6.6	4.0	5.3
DLFPS-321/3707	61	5.3	6.6	3.9	5.3
3B2	112	5.2	6.6	4.0	5.3
PPG-TF 318	92	5.2	6.6	4.0	5.3
O'KEEFE (LTP-TF-122)	29	5.2	6.6	4.0	5.3
TAR HEEL III (PST-5THM)	42	5.2	6.6	4.0	5.3
ATF2116	7	5.2	6.6	4.0	5.3
FINELAWN SUPREME (RH3)	73	5.2	6.6	3.9	5.3
HOUNDOG NINE (DLFPS-321/3702)	35	5.2	6.6	3.9	5.3
HEMI	95	5.2	6.6	4.0	5.3
FIERCE (K18-RS6)	70	5.2	6.6	3.9	5.2
PPG-TF 231	90	5.2	6.6	3.9	5.2
GALACTIC (SESCR1)	108	5.2	6.6	3.9	5.2
RHF	117	5.2	6.6	3.9	5.2
DLFPS-321/3706	60	5.2	6.6	3.9	5.2
5LSS	10	5.2	6.6	3.9	5.2
DLFPS-321/3693	3	5.2	6.6	3.9	5.2
BATTLE HAWK (NAI-ROS4)	103	5.2	6.6	3.9	5.2
DLFPS-TF/3553	15	5.2	6.6	3.9	5.2
RHL2	115	5.2	6.6	3.9	5.2
FIRECRACKER G-LS (PPG-TF 315)	86	5.2	6.6	3.9	5.2
PRO GOLD	40	5.1	6.5	3.9	5.2
BRAVO 2	57	5.1	6.5	3.9	5.2
RAD-TF105	113	5.1	6.5	3.9	5.2
LAFAYETTE (GO-AOMK)	101	5.1	6.5	3.9	5.2
NATURALLY GREEN	1	5.1	6.5	4.0	5.2
MOONDANCE GLX	46	5.1	6.5	3.9	5.2
GRO-PRO (SE53D2)	106	5.1	6.5	3.9	5.2
PADRE 2	56	5.1	6.5	3.9	5.2
BAR-FA8230	64	5.1	6.5	4.0	5.2
JT 233	74	5.1	6.5	3.9	5.2
TANGO	52	5.1	6.5	3.9	5.2
FAYETTE	22	5.1	6.5	3.9	5.2
DLFPS-321/3695	5	5.1	6.5	3.8	5.2

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2023 DATA

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

NAME	ENTRY #	OK1	MI1	MS1	MEAN
RC4	79	5.2	6.5	3.8	5.2
PST-5MINK	45	5.1	6.5	3.9	5.2
TOUGH (NAI-TUE)	104	5.1	6.5	3.9	5.1
ENDGAME (3N1)	53	5.1	6.5	3.8	5.1
DLFPS-321/3703	36	5.1	6.5	3.8	5.1
TALLADEGA II (NAI-3N2)	102	5.1	6.5	3.8	5.1
MONUMENT (PST-5SQB)	47	5.1	6.5	3.9	5.1
TOPSHELF (BGR-TF3)	11	5.0	6.4	3.9	5.1
K18-WB1	71	5.1	6.5	3.8	5.1
ESCALADE	127	5.0	6.4	3.9	5.1
PARAMOUNT	2	5.1	6.5	3.8	5.1
ESTRENA	122	5.1	6.4	3.8	5.1
DLFPS-321/3694	4	5.1	6.5	3.8	5.1
FAIRFIELD (SETF104)	109	5.1	6.4	3.8	5.1
NAI-FQZ-17	58	5.0	6.4	3.9	5.1
SETFM2	110	5.0	6.4	3.8	5.1
A-TF31	125	5.0	6.4	3.8	5.1
LBF	17	5.0	6.4	3.8	5.1
BANDIT	54	5.0	6.4	3.8	5.1
COPIOUS TF	55	5.0	6.4	3.8	5.1
AST8218LM	124	5.0	6.4	3.8	5.0
BAR FA 8228	27	4.9	6.4	3.8	5.0
BIRMINGHAM	100	5.0	6.4	3.8	5.0
AST8118LM	123	5.0	6.4	3.8	5.0
GRANDE 3	21	5.0	6.4	3.7	5.0
PPG-TF 312	85	5.0	6.4	3.7	5.0
K18-NSE	32	5.0	6.4	3.7	5.0
BARNOBLE (BAR 9FE MAS)	26	4.9	6.3	3.8	5.0
BULLSEYE	93	4.9	6.3	3.7	5.0
SE5STAR	107	4.9	6.3	3.8	5.0
GRAND PRIX (FC15-01P)	131	4.9	6.3	3.8	5.0
PALOMAR	126	4.8	6.2	3.7	4.9
OG-WALK	128	4.8	6.2	3.7	4.9
RAD-TF131	114	4.7	6.1	3.5	4.8
RAD-TF 115 (TURBO SS)	97	4.7	6.1	3.5	4.8
KENTUCKY-31	132	4.0	5.4	2.9	4.1
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		9.1	7.2	12.0	9.0

* ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS 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. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2023 DATA

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

NAME	ENTRY #	IA1	TN1	ON1	MEAN
PST-5DZM	48	6.8	6.9	6.1	6.6
ESCALADE	127	6.6	6.7	6.4	6.6
JT 517	23	6.7	6.8	6.1	6.5
BAR-FA8230	64	6.6	6.7	6.2	6.5
ATF2116	7	6.6	6.8	6.1	6.5
BAR FA 8228	27	6.5	6.6	6.4	6.5
NATURALLY GREEN	1	6.6	6.7	6.2	6.5
PST-5DC24	51	6.7	6.8	6.0	6.5
EXTRAVAGANZA (PST-5MCMO)	39	6.7	6.8	5.9	6.5
SETFM3	111	6.6	6.8	6.0	6.5
TANGO	52	6.6	6.7	6.1	6.4
ROWDIER (DLFPS-321/3699)	20	6.7	6.8	5.8	6.4
ORIOLE (PST-5BYOB)	43	6.6	6.8	5.9	6.4
BRAVO 2	57	6.6	6.7	6.0	6.4
TAR HEEL III (PST-5THM)	42	6.6	6.7	5.9	6.4
ATF1768	12	6.6	6.8	5.9	6.4
GLX REVIVE (PST-5GLBS)	49	6.7	6.8	5.8	6.4
TITAN MAX (TF456)	130	6.7	6.9	5.7	6.4
BARNOBLE (BAR 9FE MAS)	26	6.4	6.6	6.2	6.4
RACEWAY (DLFPS-321/3696)	19	6.7	6.8	5.7	6.4
MOONDANCE GLX	46	6.6	6.7	5.9	6.4
PRO GOLD	40	6.6	6.7	5.9	6.4
OG-WALK	128	6.4	6.5	6.2	6.4
TOPSHELF (BGR-TF3)	11	6.5	6.6	6.0	6.4
LIFEGUARD	44	6.7	6.8	5.7	6.4
PST-5MINK	45	6.5	6.7	5.9	6.4
LAFAYETTE (GO-AOMK)	101	6.5	6.7	5.9	6.4
KIZZLE (K18-ROE)	31	6.7	6.8	5.7	6.4
NAI-FQZ-17	58	6.5	6.6	6.0	6.4
BENTLEY (DLFPS-321/3679)	16	6.6	6.7	5.7	6.4
BLADERUNNER 3 (DLFPS-321/3701)	34	6.7	6.8	5.6	6.4
HELLCAT GLR (PST-5E6)	41	6.6	6.8	5.6	6.3
PALOMAR	126	6.4	6.5	6.1	6.3
PPG-TF 249	66	6.6	6.8	5.6	6.3
TITAN GLX (TF445)	129	6.7	6.8	5.5	6.3
AST8118LM	123	6.4	6.6	6.0	6.3
GRO-PRO (SE53D2)	106	6.5	6.6	5.8	6.3
GRAND PRIX (FC15-01P)	131	6.4	6.5	6.0	6.3
BANDIT	54	6.5	6.6	5.9	6.3
AST8218LM	124	6.4	6.6	5.9	6.3
PST-5GQ	38	6.6	6.7	5.6	6.3
TOUGH (NAI-TUE)	104	6.5	6.6	5.8	6.3
BIRMINGHAM	100	6.4	6.6	5.9	6.3
3B2	112	6.6	6.7	5.6	6.3
SETFM2	110	6.5	6.6	5.8	6.3
TITANIUM G-LS (PPG-TF 255)	84	6.7	6.8	5.4	6.3
NAI-ST5	105	6.6	6.7	5.5	6.3
DRAGSTER	98	6.6	6.7	5.5	6.3

TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2023 DATA

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

NAME	ENTRY #	IA1	TN1	ON1	MEAN
A-TF31	125	6.5	6.6	5.8	6.3
PST-5TRN	37	6.6	6.7	5.6	6.3
NT-3	8	6.6	6.8	5.4	6.3
GLX ACED (PST-5DART)	50	6.6	6.7	5.5	6.3
CAPITAN (DLFPS-321/3705)	59	6.6	6.7	5.4	6.3
SERENADE (PPG-TF 320)	119	6.7	6.8	5.3	6.3
RAD-TF105	113	6.5	6.6	5.6	6.3
FAYETTE	22	6.5	6.6	5.7	6.3
DYNAMITE G-LS (PPG-TF 254)	82	6.6	6.7	5.4	6.3
MONUMENT (PST-5SQB)	47	6.5	6.6	5.7	6.3
FASTLANE (BY-TF-169)	33	6.6	6.7	5.5	6.3
XANADU (JT 268)	75	6.7	6.8	5.3	6.2
AVENGER III (PPG-TF 308)	83	6.6	6.7	5.4	6.2
DLFPS-321/3708	62	6.6	6.7	5.3	6.2
TANK (PPG-TF 338)	121	6.6	6.7	5.4	6.2
SYMPHONY (PPG-TF 305)	77	6.6	6.7	5.3	6.2
PPG-TF 337	88	6.6	6.7	5.4	6.2
FIREHAWK SLT	94	6.5	6.7	5.5	6.2
SE5STAR	107	6.4	6.5	5.8	6.2
SR 8700 (TMT1)	6	6.5	6.7	5.5	6.2
ROVER (PPG-TF 306)	91	6.6	6.7	5.3	6.2
TYCOON (COL-TF-148)	28	6.6	6.7	5.3	6.2
PPG-TF 231	90	6.5	6.6	5.5	6.2
COPIOUS TF	55	6.4	6.5	5.7	6.2
HEMI	95	6.5	6.6	5.4	6.2
RDC	25	6.6	6.7	5.4	6.2
FALCON SUPREME (RH1)	72	6.6	6.7	5.3	6.2
ZION (BAR TF 134)	63	6.5	6.7	5.4	6.2
VALSETZ (PPG-TF 257)	80	6.6	6.7	5.3	6.2
RAPTOR LS (PPG-TF 336)	87	6.5	6.7	5.4	6.2
EXPANSE (PPG-TF 262)	67	6.6	6.7	5.2	6.2
LBF	17	6.4	6.5	5.6	6.2
TRIAD (PPG-TF 323)	120	6.5	6.7	5.3	6.2
PADRE 2	56	6.5	6.6	5.5	6.2
DEGAS (LTP-TF-111)	30	6.5	6.7	5.3	6.2
RAPTOR III	116	6.5	6.6	5.4	6.2
TEACHER (PPG-TF 313)	118	6.6	6.7	5.2	6.2
BULLSEYE	93	6.3	6.5	5.6	6.2
PROVIDENCE (GO-RH20)	99	6.6	6.7	5.1	6.2
PPG-TF 318	92	6.5	6.6	5.3	6.2
TD2	18	6.6	6.7	5.2	6.2
O'KEEFE (LTP-TF-122)	29	6.5	6.6	5.3	6.1
GALLARDO (DLFPS-TF/3550)	13	6.5	6.7	5.2	6.1
SOUTHSIDE (PPG-TF 267)	68	6.6	6.7	5.1	6.1
STEALTH (PPG-TF 238)	81	6.5	6.7	5.1	6.1
BONFIRE (JS DTT)	24	6.5	6.7	5.2	6.1
RS1	9	6.5	6.6	5.2	6.1
DLFPS-321/3703	36	6.4	6.5	5.4	6.1

TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2023 DATA

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

NAME	ENTRY #	IA1	TN1	ON1	MEAN
ENDGAME (3N1)	53	6.4	6.5	5.4	6.1
ESTRENA	122	6.4	6.5	5.4	6.1
ESSENTIAL 2 (DLFPS-TF/3552)	14	6.5	6.6	5.2	6.1
TALLADEGA II (NAI-3N2)	102	6.4	6.5	5.4	6.1
SPYDER 2LS (ZRC1)	89	6.5	6.7	5.1	6.1
BULLSEYE LTZ	96	6.5	6.6	5.1	6.1
JT 233	74	6.4	6.5	5.3	6.1
FIRECRACKER G-LS (PPG-TF 315)	86	6.4	6.6	5.2	6.1
FIRENZA II (PPG-TF 244)	76	6.5	6.6	5.1	6.1
CLASH (AH1)	65	6.5	6.7	5.0	6.1
HOUND DOG NINE (DLFPS-321/3702)	35	6.5	6.6	5.2	6.1
GEM (PPG-TF 316)	78	6.5	6.6	5.1	6.1
FAIRFIELD (SETF104)	109	6.4	6.5	5.3	6.1
PARAMOUNT	2	6.4	6.5	5.3	6.0
DLFPS-321/3706	60	6.4	6.6	5.1	6.0
FINELAWN SUPREME (RH3)	73	6.4	6.6	5.0	6.0
DLFPS-TF/3553	15	6.4	6.5	5.1	6.0
GALACTIC (SESCR1)	108	6.4	6.6	5.1	6.0
FIERCE (K18-RS6)	70	6.4	6.6	5.0	6.0
RHF	117	6.4	6.5	5.0	6.0
DLFPS-321/3693	3	6.4	6.5	5.0	6.0
GRANDE 3	21	6.3	6.4	5.2	6.0
DLFPS-321/3694	4	6.3	6.5	5.1	6.0
BATTLE HAWK (NAI-ROS4)	103	6.4	6.5	5.0	6.0
DLFPS-321/3707	61	6.4	6.6	4.9	6.0
RHL2	115	6.4	6.5	5.0	6.0
DAYBREAK (AH2)	69	6.5	6.6	4.8	6.0
DLFPS-321/3695	5	6.4	6.5	5.0	5.9
5LSS	10	6.4	6.5	4.9	5.9
K18-WB1	71	6.3	6.4	5.0	5.9
PPG-TF 312	85	6.2	6.4	5.0	5.9
RAD-TF131	114	6.1	6.2	5.2	5.8
RC4	79	6.3	6.4	4.7	5.8
RAD-TF 115 (TURBO SS)	97	6.1	6.2	5.2	5.8
KENTUCKY-31	132	5.6	5.8	5.9	5.8
K18-NSE	32	6.2	6.3	4.7	5.7
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		7.3	7.1	8.6	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 5.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS IN THE NORTHEAST REGION 1/
2023 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
DAYBREAK (AH2)	7.0	7.4	7.1	7.2
EXPANSE (PPG-TF 262)	7.3	7.0	6.6	7.0
CLASH (AH1)	7.0	6.9	6.7	6.8
RC4	6.8	6.9	6.8	6.8
PROVIDENCE (GO-RH20)	6.8	7.5	6.1	6.8
SPYDER 2LS (ZRC1)	6.9	7.1	6.2	6.8
STEALTH (PPG-TF 238)	7.0	6.9	6.3	6.7
SERENADE (PPG-TF 320)	6.6	7.0	6.4	6.7
FIRENZA II (PPG-TF 244)	6.8	6.8	6.4	6.7
SOUTHSIDE (PPG-TF 267)	6.8	7.5	5.6	6.7
TITANIUM G-LS (PPG-TF 255)	7.1	6.9	6.0	6.6
COL-TF-148	6.9	6.1	6.7	6.6
DLFPS-321/3707	7.0	6.6	6.2	6.6
DLFPS-321/3693	7.0	6.6	6.0	6.5
BATTLE HAWK (NAI-ROS4)	6.9	6.6	6.0	6.5
XANADU (JT 268)	6.8	6.4	6.3	6.5
TITAN GLX (TF445)	6.8	6.3	6.4	6.5
TD2	7.0	6.1	6.2	6.4
K18-RS6	6.9	6.0	6.4	6.4
FINELAWN SUPREME (RH3)	6.7	6.8	5.7	6.4
GALLARDO (DLFPS-TF/3550)	6.7	6.5	6.0	6.4
DLFPS-321/3695	6.8	6.0	6.4	6.4
BONFIRE (JS DTT)	6.9	5.9	6.4	6.4
HOUNDOG NINE (DLFPS-321/3702)	6.9	6.0	6.2	6.4
RHL2	7.0	5.5	6.6	6.4
RHF	6.8	6.0	6.4	6.4
BULLSEYE LTZ	6.8	7.0	5.3	6.4
NT-3	6.9	6.2	6.1	6.4
ROVER (PPG-TF 306)	7.0	6.0	6.1	6.4
5LSS	6.9	6.0	6.1	6.4
SYMPHONY (PPG-TF 305)	6.7	6.5	5.9	6.3
DLFPS-321/3708	7.0	5.8	6.2	6.3
TEACHER (PPG-TF 313)	7.0	5.6	6.4	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.9	5.8	6.3	6.3
DYNAMITE G-LS (PPG-TF 254)	6.7	6.2	6.0	6.3
RAPTOR III	6.8	6.3	5.9	6.3
DLFPS-TF/3553	7.0	5.9	6.0	6.3
TANK (PPG-TF 338)	6.8	6.5	5.5	6.3
VALSETZ (PPG-TF 257)	6.7	6.0	6.1	6.3
GALACTIC (SESCR1)	6.8	5.9	6.1	6.3
AVENGER III (PPG-TF 308)	6.7	6.1	5.9	6.3
PPG-TF 316	6.8	6.0	6.0	6.3
DLFPS-321/3706	6.7	6.3	5.7	6.2
RS1	7.0	5.5	6.2	6.2
NAI-ST5	6.8	6.1	5.8	6.2

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS IN THE NORTHEAST REGION 1/
2023 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
FALCON SUPREME (RH1)	6.6	6.1	5.9	6.2
DLFPS-321/3694	6.8	6.0	5.8	6.2
JT 233	6.8	6.8	5.1	6.2
RDC	6.8	6.1	5.7	6.2
PPG-TF 249	6.8	5.5	6.2	6.2
OKEEFE (LTP-TF-122)	6.8	5.8	5.7	6.1
PPG-TF 318	6.7	5.3	6.3	6.1
K18-NSE	6.8	5.1	6.4	6.1
SR 8700 (TMT1)	6.8	5.0	6.3	6.1
TITAN MAX (TF456)	6.8	6.0	5.4	6.0
PPG-TF 231	7.0	6.4	4.8	6.0
GLX ACED (PST-5DART)	6.6	6.0	5.4	6.0
DEGAS (LTP-TF-111)	6.9	5.3	5.9	6.0
PPG-TF 337	6.7	6.0	5.3	6.0
TRIAD (PPG-TF 323)	6.8	5.1	6.1	6.0
ZION (BAR TF 134)	6.9	4.9	6.2	6.0
TALLADEGA II (NAI-3N2)	6.8	6.4	4.7	5.9
RAPTOR LS (PPG-TF 336)	7.1	4.8	5.9	5.9
K18-WB1	6.6	5.6	5.6	5.9
BLADERUNNER 3 (DLFPS-321/3701)	6.9	5.8	5.1	5.9
DLFPS-321/3703	6.9	6.2	4.6	5.9
PARAMOUNT	6.7	6.0	4.9	5.9
FIREHAWK SLT	6.6	6.3	4.8	5.9
DRAGSTER	6.9	4.6	6.2	5.9
RACEWAY (DLFPS-321/3696)	6.5	5.8	5.4	5.9
FASTLANE (BY-TF-169)	6.5	4.9	6.3	5.9
ENDGAME (3N1)	6.8	6.2	4.6	5.9
PADRE 2	6.7	6.7	4.2	5.8
LIFEGUARD	6.5	5.4	5.6	5.8
CAPITAN (DLFPS-321/3705)	6.8	4.5	6.1	5.8
FIRECRACKER G-LS (PPG-TF 315)	6.8	5.1	5.5	5.8
ROWDIER (DLFPS-321/3699)	6.7	5.1	5.6	5.8
KIZZLE (K18-ROE)	6.6	5.9	4.8	5.8
PPG-TF 312	7.1	4.8	5.4	5.8
BENTLEY (DLFPS-321/3679)	6.5	5.6	5.2	5.7
3B2	6.5	5.9	4.8	5.7
GRANDE 3	6.5	5.2	5.4	5.7
PST-5TRN	6.5	5.6	5.0	5.7
HEMI	6.6	5.0	5.5	5.7
PST-5GQ	6.4	5.5	5.0	5.6
ESTRENA	6.6	5.9	4.4	5.6
FAIRFIELD (SETF104)	6.8	5.1	5.0	5.6
FAYETTE	6.5	5.3	4.9	5.6
GLX REVIVE (PST-5GLBS)	6.5	5.2	4.9	5.6
HELLCAT GLR (PST-5E6)	6.3	5.8	4.6	5.6
MONUMENT (PST-5SQB)	6.4	5.6	4.6	5.5

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2023 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
RAD-TF105	6.8	4.5	5.2	5.5
LBF	6.4	5.2	4.7	5.4
EXTRAVAGANZA (PST-5MCMO)	6.3	5.0	4.9	5.4
PST-5DC24	6.4	5.4	4.4	5.4
PST-5DZM	6.5	5.1	4.6	5.4
GRO-PRO (SE53D2)	6.5	5.3	4.3	5.3
ATF1768	6.3	5.0	4.6	5.3
COPIOUS TF	6.6	5.2	4.1	5.3
BULLSEYE	6.3	5.1	4.3	5.3
LAFAYETTE (GO-AOMK)	6.4	5.2	4.1	5.2
PRO GOLD	6.5	6.1	3.2	5.2
TOUGH (NAI-TUE)	6.7	4.7	4.3	5.2
JT 517	6.5	4.6	4.5	5.2
MOONDANCE GLX	6.4	4.9	4.3	5.2
ORIOLE (PST-5BYOB)	6.3	5.3	4.0	5.2
PST-5MINK	6.3	4.5	4.7	5.2
PST-5THM	6.5	4.2	4.8	5.2
A-TF31	6.4	5.6	3.4	5.1
RAD-TF131	6.3	4.8	4.1	5.1
BRAVO 2	6.2	5.2	3.6	5.0
RAD-TF115 (TURBO SS)	6.6	4.2	4.2	5.0
SETFM3	6.4	4.3	4.3	5.0
BANDIT	6.3	5.0	3.6	4.9
SETFM2	6.5	4.4	3.9	4.9
NATURALLY GREEN	6.5	4.8	3.5	4.9
BIRMINGHAM	6.1	4.9	3.6	4.8
SE5STAR	6.3	4.3	3.8	4.8
AST8118LM	6.4	4.9	3.1	4.8
ATF2116	6.3	4.4	3.7	4.8
TOPSHELF (BGR-TF3)	6.5	4.5	3.3	4.8
AST8218LM	6.3	4.0	3.9	4.7
TANGO	6.3	4.3	3.6	4.7
NAI-FQZ-17	6.3	4.3	3.4	4.7
BAR-FA8230	6.2	3.5	3.9	4.5
GRAND PRIX (FC15-01P)	6.1	3.8	3.0	4.3
ESCALADE	6.2	3.7	2.8	4.2
PALOMAR	6.0	3.0	3.3	4.1
BAR FA 8228	6.0	3.0	3.0	4.0
BARNOBLE (BAR 9FE MAS)	6.2	2.3	3.3	3.9
OG-WALK	6.1	3.0	2.6	3.9
KENTUCKY-31	5.0	1.0	1.1	2.4
LSD VALUE	0.3	1.5	0.9	0.6
C.V. (%)	3.0	16.5	11.0	10.9

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

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

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SEVEN LOCATIONS IN THE TRANSITION REGION
2023 DATA

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

NAME	DE1	KS1	MD1	NC1	OK1	TN1	VA1	MEAN
DAYBREAK (AH2)	6.9	5.8	7.6	7.3	5.6	6.6	6.2	6.6
PROVIDENCE (GO-RH20)	6.8	5.2	7.6	7.6	5.7	6.7	6.0	6.5
CAPITAN (DLFPS-321/3705)	6.8	4.9	7.5	7.4	5.6	6.5	6.4	6.4
EXPANSE (PPG-TF 262)	6.7	4.8	7.8	6.9	5.5	6.8	6.5	6.4
RS1	6.7	5.8	7.5	6.8	5.3	6.6	6.1	6.4
XANADU (JT 268)	6.9	5.7	7.8	6.6	5.7	6.3	5.9	6.4
K18-RS6	6.9	5.5	7.6	7.0	4.8	6.8	6.2	6.4
DLFPS-321/3708	6.4	5.1	7.6	6.8	5.2	7.1	6.6	6.4
DLFPS-321/3707	6.7	4.7	7.8	7.2	5.3	6.5	6.6	6.4
GALLARDO (DLFPS-TF/3550)	6.2	5.5	7.5	6.8	5.5	6.5	6.7	6.4
AVENGER III (PPG-TF 308)	7.0	5.1	7.7	6.8	5.5	6.6	5.9	6.4
NT-3	6.9	5.5	7.7	6.5	5.0	6.8	6.2	6.4
TITANIUM G-LS (PPG-TF 255)	6.6	5.7	7.6	6.3	5.3	6.7	6.3	6.4
TRIAD (PPG-TF 323)	6.5	5.4	7.8	7.0	5.1	6.8	5.9	6.3
TD2	6.8	4.7	7.5	6.5	5.4	6.7	6.7	6.3
PPG-TF 316	6.5	5.1	7.6	6.8	5.5	6.5	6.3	6.3
SERENADE (PPG-TF 320)	6.2	5.5	7.7	6.8	5.3	6.4	6.4	6.3
FALCON SUPREME (RH1)	6.5	5.1	7.5	7.1	5.3	6.8	6.0	6.3
GALACTIC (SESCR1)	6.4	4.9	7.7	6.9	5.5	6.7	6.1	6.3
PPG-TF 337	6.7	4.7	7.6	6.9	5.5	6.7	6.0	6.3
BONFIRE (JS DTT)	6.2	5.5	7.7	6.4	5.2	6.5	6.5	6.3
ROVER (PPG-TF 306)	6.7	4.9	7.8	6.5	5.0	6.9	6.3	6.3
FIRENZA II (PPG-TF 244)	6.3	5.2	7.7	6.5	5.6	6.5	6.2	6.3
FINELAWN SUPREME (RH3)	6.8	5.1	7.3	6.6	5.0	6.6	6.4	6.3
TITAN MAX (TF456)	6.6	5.5	7.5	6.3	5.3	6.5	6.2	6.3
SYMPHONY (PPG-TF 305)	6.4	5.1	7.7	6.2	5.6	6.4	6.6	6.3
SPYDER 2LS (ZRC1)	6.8	5.3	7.5	6.5	5.3	6.4	6.0	6.3
HELLCAT GLR (PST-5E6)	6.7	6.1	7.1	6.3	4.9	6.7	6.1	6.3
BULLSEYE LTZ	6.4	4.7	7.6	6.5	5.4	6.6	6.7	6.3
VALSETZ (PPG-TF 257)	6.3	4.3	7.5	6.7	5.8	7.1	6.1	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.7	5.3	7.4	6.1	5.6	6.4	6.4	6.2
TITAN GLX (TF445)	6.6	5.5	7.4	6.3	5.2	6.3	6.4	6.2
SOUTHSIDE(PPG-TF 267)	6.6	5.2	7.6	6.6	5.3	6.5	6.0	6.2
DLFPS-321/3706	6.5	4.7	7.7	6.1	5.5	6.7	6.5	6.2
STEALTH (PPG-TF 238)	6.8	4.7	7.8	6.7	5.3	6.5	5.9	6.2
TEACHER (PPG-TF 313)	6.3	5.6	7.5	6.2	4.8	6.8	6.3	6.2
TANK (PPG-TF 338)	6.3	4.7	7.5	6.5	5.6	7.0	6.1	6.2
ESSENTIAL 2 (DLFPS-TF/3552)	6.5	4.4	7.4	7.3	5.2	6.8	6.0	6.2
PPG-TF 318	6.6	4.7	7.4	6.9	5.4	6.4	6.1	6.2
RDC	6.6	5.3	7.3	6.2	5.4	6.7	6.1	6.2
K18-WB1	6.8	4.8	7.7	6.5	4.8	6.7	6.3	6.2
HEMI	6.5	5.1	7.4	6.6	4.9	6.6	6.3	6.2
DEGAS (LTP-TF-111)	6.4	4.8	7.7	6.7	5.3	6.4	6.2	6.2
ZION (BAR TF 134)	7.0	5.1	7.5	5.8	5.3	6.6	6.1	6.2
CLASH (AH1)	6.6	4.8	7.5	6.8	4.9	6.7	6.1	6.2

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SEVEN LOCATIONS 1/
IN THE TRANSITION REGION
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	DE1	KS1	MD1	NC1	OK1	TN1	VA1	
DRAGSTER	6.4	5.3	7.4	6.1	5.4	6.9	5.9	6.2
ROWDIER (DLFPS-321/3699)	6.9	5.1	7.5	5.4	5.6	6.8	6.1	6.2
NAI-ST5	6.1	4.5	7.6	6.6	5.5	6.8	6.2	6.2
RHL2	6.4	5.3	7.6	6.5	4.8	6.6	6.0	6.2
5LSS	7.0	5.0	7.3	6.4	4.5	6.6	6.5	6.2
RC4	6.6	4.8	7.5	6.5	5.2	6.6	6.1	6.2
BATTLE HAWK (NAI-ROS4)	6.5	4.2	7.4	6.8	5.3	6.8	6.2	6.2
FIREHAWK SLT	6.5	4.8	7.6	6.2	5.4	6.8	6.0	6.2
ATF1768	6.7	4.8	7.2	6.0	5.2	6.9	6.2	6.2
RAPTOR LS (PPG-TF 336)	6.7	5.2	7.5	6.2	5.1	6.6	5.8	6.2
DYNAMITE G-LS (PPG-TF 254)	6.5	5.1	7.4	5.8	5.4	6.8	6.0	6.2
FASTLANE (BY-TF-169)	6.8	4.9	7.7	5.2	5.4	6.9	6.2	6.1
LIFEGUARD	6.6	5.1	7.5	6.0	4.9	6.8	6.0	6.1
OKEEFE (LTP-TF-122)	6.7	4.9	7.5	6.0	5.6	6.6	5.8	6.1
EXTRAVAGANZA (PST-5MCMO)	6.0	5.1	7.3	6.2	5.4	6.9	6.0	6.1
PST-5TRN	6.3	5.3	7.2	6.5	5.3	6.4	5.9	6.1
GLX ACED (PST-5DART)	6.5	5.0	7.2	5.9	5.5	6.6	6.0	6.1
HOUNDOG NINE (DLFPS-321/3702)	6.8	4.8	7.5	5.9	5.2	6.6	6.1	6.1
KIZZLE (K18-ROE)	6.3	4.9	7.3	6.4	5.6	6.4	5.9	6.1
COL-TF-148	6.6	4.6	7.6	6.2	5.0	6.7	6.0	6.1
FIRECRACKER G-LS (PPG-TF 315)	6.5	4.8	7.5	6.2	5.1	6.4	6.1	6.1
RACEWAY (DLFPS-321/3696)	6.6	4.9	7.3	5.8	5.0	6.9	6.0	6.1
DLFPS-TF/3553	6.3	4.3	7.5	6.2	5.0	6.6	6.6	6.1
GLX REVIVE (PST-5GLBS)	6.3	5.4	7.3	6.4	5.2	6.6	5.4	6.1
K18-NSE	6.7	4.4	7.5	6.3	4.8	6.8	6.0	6.1
PPG-TF 312	6.9	4.0	7.5	6.1	4.8	6.7	6.4	6.1
DLFPS-321/3693	6.7	4.4	7.5	5.9	5.2	6.6	6.1	6.0
DLFPS-321/3695	6.6	4.2	7.5	5.6	5.4	6.4	6.5	6.0
PADRE 2	6.5	4.2	7.5	5.7	5.5	6.7	6.1	6.0
RHF	6.5	5.0	7.4	6.5	4.8	6.4	5.6	6.0
ORIOLE (PST-5BYOB)	6.6	4.1	7.2	5.8	5.3	7.0	6.2	6.0
PPG-TF 249	6.7	4.5	7.3	5.4	5.6	6.6	6.0	6.0
3B2	6.5	4.7	7.3	5.8	5.5	6.8	5.6	6.0
RAPTOR III	6.2	4.9	7.4	5.8	5.0	6.8	5.9	6.0
RAD-TF105	6.4	4.9	7.3	5.8	4.8	6.9	6.0	6.0
SR 8700 (TMT1)	6.5	4.5	7.0	5.5	5.7	6.8	6.1	6.0
PST-5THM	6.4	5.2	7.0	6.0	5.3	6.8	5.2	6.0
DLFPS-321/3703	6.3	4.7	7.3	5.5	5.4	6.8	5.9	6.0
BENTLEY (DLFPS-321/3679)	6.3	5.0	7.5	4.9	5.5	6.6	5.9	6.0
PST-5GQ	6.5	4.5	7.1	6.2	5.1	6.5	5.8	6.0
SETFM3	6.5	4.4	6.8	6.1	5.0	6.8	6.0	5.9
FAIRFIELD (SETF104)	6.5	5.1	7.1	5.5	4.9	6.5	6.0	5.9
JT 517	6.7	4.1	7.1	5.0	5.0	6.9	6.3	5.9
JT 233	6.5	3.7	7.2	5.8	5.1	6.6	6.4	5.9
PST-5DZM	6.2	4.5	7.2	5.3	5.2	6.7	6.0	5.9
FAYETTE	6.1	4.5	7.0	5.3	5.5	6.7	6.0	5.9

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SEVEN LOCATIONS 1/
IN THE TRANSITION REGION
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	DE1	KS1	MD1	NC1	OK1	TN1	VA1	
ENDGAME (3N1)	6.6	3.5	7.2	5.5	5.2	6.8	6.2	5.9
DLFPS-321/3694	6.5	3.7	7.5	5.4	5.4	6.4	6.1	5.9
PARAMOUNT	6.5	4.2	7.4	5.7	5.0	6.4	5.7	5.9
ATF2116	6.4	4.9	6.9	5.5	5.2	6.6	5.5	5.8
GRANDE 3	6.5	3.5	7.5	5.9	5.3	6.6	5.6	5.8
PST-5DC24	6.3	4.3	7.1	5.3	5.1	6.7	6.0	5.8
PPG-TF 231	6.0	3.8	7.5	5.2	5.3	6.6	6.5	5.8
TALLADEGA II (NAI-3N2)	6.4	3.5	7.3	5.2	5.3	6.9	5.8	5.8
BRAVO 2	6.2	4.2	7.2	5.2	5.4	6.6	5.6	5.8
GRO-PRO (SE53D2)	6.2	3.9	7.0	5.8	5.5	6.6	5.6	5.8
TOUGH (NAI-TUE)	6.4	3.7	7.3	5.8	5.0	6.4	5.9	5.8
LAFAYETTE (GO-AOMK)	6.3	4.4	7.0	5.0	5.0	7.0	5.6	5.8
PRO GOLD	6.4	4.1	7.1	5.1	5.1	6.9	5.7	5.8
LBF	6.3	4.4	7.0	5.1	5.2	6.7	5.6	5.8
ESTRENA	6.5	3.6	7.1	5.3	5.4	6.3	6.0	5.7
BAR-FA8230	6.2	4.7	6.8	4.9	5.1	6.4	5.8	5.7
NAI-FQZ-17	6.2	3.5	6.8	5.4	5.2	6.5	6.0	5.7
MONUMENT (PST-5SQB)	6.3	4.1	7.0	5.1	5.3	6.6	5.4	5.7
SETFM2	6.1	3.7	6.5	5.6	5.1	6.8	5.8	5.7
MOONDANCE GLX	6.3	3.5	7.0	5.3	5.4	6.3	5.8	5.7
RAD-TF131	6.2	4.4	7.2	5.1	4.3	6.8	5.5	5.6
COPIOUS TF	6.4	4.1	6.9	5.2	4.7	6.7	5.6	5.6
NATURALLY GREEN	6.0	4.7	6.8	5.1	4.9	6.7	5.2	5.6
RAD-TF115 (TURBO SS)	6.3	4.6	7.0	4.8	4.0	6.6	6.0	5.6
BANDIT	6.5	3.9	6.8	4.8	5.0	6.3	6.0	5.6
PST-5MINK	6.2	4.2	7.0	5.0	5.0	6.6	5.3	5.6
TANGO	5.9	3.9	7.0	5.4	5.1	6.6	5.3	5.6
AST8218LM	6.3	4.1	6.8	4.5	5.1	6.8	5.7	5.6
A-TF31	5.9	3.7	7.3	4.9	4.8	6.6	6.0	5.6
TOPSHELF (BGR-TF3)	6.1	4.1	6.8	4.7	5.1	6.6	5.7	5.6
AST8118LM	6.3	3.5	6.8	4.3	5.2	6.7	5.7	5.5
BAR FA 8228	5.9	4.8	6.8	4.7	4.8	6.5	5.0	5.5
BULLSEYE	5.6	4.1	6.6	5.0	5.3	6.5	5.5	5.5
BARNOBLE (BAR 9FE MAS)	5.9	4.3	6.9	5.1	4.5	6.6	5.2	5.5
ESCALADE	5.9	4.3	6.6	4.5	5.2	6.4	5.5	5.5
GRAND PRIX (FC15-01P)	6.0	4.1	6.8	4.9	4.8	6.6	5.1	5.5
SE5STAR	6.0	3.5	7.2	4.9	4.8	6.2	5.8	5.5
BIRMINGHAM	6.0	4.3	6.9	4.4	5.0	6.4	5.2	5.4
PALOMAR	6.0	4.1	6.4	4.3	4.7	6.3	5.1	5.3
OG-WALK	5.7	4.1	6.5	4.4	4.9	6.3	4.7	5.2
KENTUCKY-31	4.3	4.0	5.0	3.7	3.6	6.6	3.1	4.3
LSD VALUE	0.5	1.0	0.4	0.8	0.7	0.6	0.8	0.3
C.V. (%)	5.0	12.8	3.2	8.7	8.0	5.7	7.9	7.2

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2023 DATA

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

NAME	GA1	MS1	MEAN
COL-TF-148	7.8	4.8	6.3
RAPTOR III	7.6	4.9	6.3
TITAN GLX (TF445)	7.6	4.8	6.2
TEACHER (PPG-TF 313)	7.9	4.5	6.2
SYMPHONY (PPG-TF 305)	7.6	4.8	6.2
GLX REVIVE (PST-5GLBS)	7.7	4.7	6.2
SOUTHSIDE (PPG-TF 267)	7.8	4.5	6.1
LBF	7.7	4.6	6.1
DYNAMITE G-LS (PPG-TF 254)	7.7	4.5	6.1
BONFIRE (JS DTT)	7.6	4.6	6.1
ROWDIER (DLFPS-321/3699)	7.8	4.4	6.1
PST-5DZM	7.4	4.8	6.1
PPG-TF 337	7.8	4.3	6.1
PROVIDENCE (GO-RH20)	7.8	4.4	6.1
FIRENZA II (PPG-TF 244)	7.6	4.5	6.1
RHF	7.6	4.6	6.1
PST-5DC24	7.3	4.8	6.1
TRIAD (PPG-TF 323)	8.0	4.1	6.0
SERENADE (PPG-TF 320)	7.7	4.4	6.0
XANADU (JT 268)	7.8	4.3	6.0
KIZZLE (K18-ROE)	7.4	4.7	6.0
CLASH (AH1)	7.6	4.5	6.0
TITANIUM G-LS (PPG-TF 255)	7.5	4.5	6.0
PST-5GQ	7.8	4.2	6.0
AVENGER III (PPG-TF 308)	7.9	4.1	6.0
DLFPS-321/3708	7.6	4.5	6.0
DEGAS (LTP-TF-111)	7.5	4.5	6.0
GALLARDO (DLFPS-TF/3550)	7.8	4.2	6.0
TD2	7.9	4.1	6.0
DLFPS-321/3695	7.8	4.2	6.0
ATF2116	7.5	4.5	6.0
FALCON SUPREME (RH1)	7.6	4.3	6.0
TITAN MAX (TF456)	7.4	4.5	6.0
HELLCAT GLR (PST-5E6)	7.3	4.6	6.0
EXTRAVAGANZA (PST-5MCMO)	7.5	4.4	6.0
CAPITAN (DLFPS-321/3705)	7.5	4.4	6.0
DLFPS-321/3707	7.7	4.2	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	7.6	4.3	6.0
DRAGSTER	7.3	4.6	5.9
HOUNDOG NINE (DLFPS-321/3702)	7.6	4.2	5.9
DLFPS-TF/3553	7.6	4.3	5.9
RAPTOR LS (PPG-TF 336)	7.9	3.9	5.9
JT 517	7.4	4.5	5.9
BATTLE HAWK (NAI-ROS4)	7.8	4.1	5.9
NAI-ST5	7.9	3.9	5.9

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2023 DATA

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

NAME	GA1	MS1	MEAN
GRO-PRO (SE53D2)	7.5	4.3	5.9
PRO GOLD	7.4	4.4	5.9
FASTLANE (BY-TF-169)	7.6	4.2	5.9
TANGO	7.6	4.2	5.9
3B2	7.6	4.2	5.9
LIFEGUARD	7.8	3.9	5.9
GLX ACED (PST-5DART)	7.7	4.0	5.9
BLADERUNNER 3 (DLFPS-321/3701)	7.7	4.1	5.9
BULLSEYE LTZ	7.7	4.1	5.9
PST-5TRN	7.5	4.3	5.9
BENTLEY (DLFPS-321/3679)	7.5	4.2	5.9
EXPANSE (PPG-TF 262)	7.9	3.8	5.8
RACEWAY (DLFPS-321/3696)	7.7	4.0	5.8
TANK (PPG-TF 338)	7.8	3.9	5.8
MONUMENT (PST-5SQB)	7.4	4.3	5.8
HEMI	7.7	4.0	5.8
SR 8700 (TMT1)	8.0	3.7	5.8
FAIRFIELD (SETF104)	7.8	3.8	5.8
PST-5THM	7.7	3.9	5.8
NATURALLY GREEN	7.3	4.3	5.8
BAR FA 8228	7.1	4.5	5.8
DLFPS-321/3693	7.4	4.2	5.8
ROVER (PPG-TF 306)	7.8	3.8	5.8
GRANDE 3	7.4	4.2	5.8
DLFPS-321/3703	7.6	3.9	5.8
ORIOLE (PST-5BYOB)	7.6	4.0	5.8
A-TF31	7.4	4.1	5.8
VALSETZ (PPG-TF 257)	7.7	3.8	5.8
5LSS	7.5	4.0	5.8
LAFAYETTE (GO-AOMK)	7.5	4.0	5.8
MOONDANCE GLX	7.4	4.1	5.8
NT-3	7.7	3.8	5.8
BAR-FA8230	7.1	4.4	5.7
DAYBREAK (AH2)	7.6	3.8	5.7
STEALTH (PPG-TF 238)	8.0	3.5	5.7
PPG-TF 231	7.6	3.9	5.7
RS1	7.5	4.0	5.7
OKEEFE (LTP-TF-122)	7.6	3.8	5.7
PPG-TF 249	7.6	3.9	5.7
COPIOUS TF	7.5	3.9	5.7
SETFM2	7.4	4.0	5.7
SPYDER 2LS (ZRC1)	7.8	3.6	5.7
GALACTIC (SESCR1)	7.9	3.4	5.7
TOPSHELF (BGR-TF3)	7.4	3.9	5.7
SETFM3	7.5	3.8	5.7
ATF1768	7.5	3.8	5.7

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2023 DATA

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

NAME	GA1	MS1	MEAN
BRAVO 2	7.6	3.7	5.6
RC4	7.6	3.7	5.6
DLFPS-321/3694	7.7	3.5	5.6
AST8118LM	7.2	4.0	5.6
ZION (BAR TF 134)	7.6	3.7	5.6
PPG-TF 316	7.4	3.8	5.6
FIRECRACKER G-LS (PPG-TF 315)	7.7	3.5	5.6
TALLADEGA II (NAI-3N2)	7.7	3.5	5.6
PARAMOUNT	7.5	3.7	5.6
FIREHAWK SLT	7.7	3.5	5.6
SE5STAR	7.3	3.8	5.6
BANDIT	7.3	3.9	5.6
RDC	7.6	3.5	5.6
RAD-TF105	7.6	3.5	5.6
JT 233	7.5	3.6	5.6
RAD-TF115 (TURBO SS)	7.3	3.8	5.5
FINELAWN SUPREME (RH3)	7.6	3.4	5.5
NAI-FQZ-17	7.3	3.7	5.5
PST-5MINK	7.4	3.5	5.5
K18-RS6	7.6	3.3	5.5
RAD-TF131	7.7	3.2	5.5
K18-WB1	7.7	3.1	5.4
ESCALADE	7.0	3.7	5.4
TOUGH (NAI-TUE)	7.6	3.1	5.4
AST8218LM	7.3	3.4	5.4
DLFPS-321/3706	7.3	3.3	5.3
PPG-TF 318	7.4	3.3	5.3
PADRE 2	7.6	2.9	5.3
GRAND PRIX (FC15-01P)	7.0	3.4	5.2
PALOMAR	6.9	3.5	5.2
BULLSEYE	7.4	2.9	5.1
BARNOBLE (BAR 9FE MAS)	7.3	2.9	5.1
BIRMINGHAM	7.3	3.0	5.1
RHL2	7.8	2.4	5.1
OG-WALK	7.0	3.2	5.1
FAYETTE	6.9	3.2	5.1
PPG-TF 312	7.7	2.4	5.0
ESTRENA	7.4	2.7	5.0
K18-NSE	7.7	2.3	5.0
ENDGAME (3N1)	7.3	2.6	5.0
KENTUCKY-31	6.1	2.8	4.5
LSD VALUE	0.4	1.4	0.7
C.V. (%)	3.5	22.1	11.2

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

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2023 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
PPG-TF 249	6.6	6.1	6.7	7.0	6.0	6.5
TITAN MAX (TF456)	6.6	6.0	6.8	6.8	6.0	6.4
CAPITAN (DLFPS-321/3705)	6.6	6.7	7.1	7.0	4.9	6.4
SERENADE (PPG-TF 320)	6.7	5.8	6.6	6.7	6.5	6.4
RACEWAY (DLFPS-321/3696)	6.4	5.9	6.9	6.7	6.3	6.4
TITAN GLX (TF445)	6.6	5.9	6.7	6.8	6.1	6.4
XANADU (JT 268)	6.5	6.2	6.8	7.0	5.5	6.4
PST-5GQ	6.5	5.9	6.7	6.9	5.9	6.4
NT-3	6.7	6.0	6.7	6.6	5.8	6.4
SPYDER 2LS (ZRC1)	6.5	6.0	6.8	6.9	5.5	6.4
EXPANSE (PPG-TF 262)	6.6	6.0	6.9	6.8	5.5	6.3
COL-TF-148	6.6	5.9	6.8	6.7	5.7	6.3
VALSETZ (PPG-TF 257)	6.7	6.1	6.6	6.9	5.4	6.3
RHL2	6.6	6.6	6.4	6.6	5.4	6.3
EXTRAVAGANZA (PST-5MCMO)	6.7	5.8	6.5	6.5	6.2	6.3
CLASH (AH1)	6.7	5.9	6.8	7.0	5.2	6.3
STEALTH (PPG-TF 238)	6.7	5.9	6.8	6.5	5.8	6.3
PST-5DZM	6.5	5.3	6.5	6.4	6.9	6.3
ENDGAME (3N1)	6.6	5.9	6.8	6.8	5.4	6.3
RDC	6.2	6.1	6.7	6.7	5.9	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.7	5.9	6.5	6.9	5.5	6.3
ROVER (PPG-TF 306)	6.3	6.2	6.6	6.6	5.9	6.3
SOUTHSIDE (PPG-TF 267)	6.5	6.3	6.7	6.6	5.3	6.3
ESTRENA	6.5	6.0	6.9	6.7	5.4	6.3
LIFEGUARD	6.5	5.5	6.8	6.4	6.3	6.3
BULLSEYE LTZ	6.8	6.7	6.3	6.7	5.0	6.3
DRAGSTER	6.6	6.0	6.7	6.9	5.2	6.3
5LSS	6.5	7.0	6.8	6.8	4.2	6.3
PPG-TF 316	6.8	6.3	6.6	6.9	4.9	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.5	6.0	6.7	6.8	5.3	6.3
JT 233	6.5	5.7	6.7	6.9	5.5	6.3
DYNAMITE G-LS (PPG-TF 254)	6.6	6.0	6.4	6.6	5.7	6.3
PST-5MINK	6.6	5.1	6.6	6.3	6.7	6.3
NAI-ST5	6.3	5.2	6.9	6.7	6.1	6.3
AVENGER III (PPG-TF 308)	6.7	5.7	6.8	6.7	5.3	6.3
PPG-TF 318	6.4	5.6	6.5	6.5	6.2	6.3
PPG-TF 231	6.4	6.0	6.6	6.6	5.6	6.2
PPG-TF 337	6.5	6.3	6.5	6.8	5.1	6.2
KIZZLE (K18-ROE)	6.5	5.5	6.8	6.4	5.9	6.2
BENTLEY (DLFPS-321/3679)	6.3	5.4	6.6	6.9	6.0	6.2
DEGAS (LTP-TF-111)	6.5	6.2	6.8	6.6	5.0	6.2
FAYETTE	6.6	5.1	6.8	6.5	6.2	6.2
FIREHAWK SLT	6.5	5.9	6.7	6.7	5.3	6.2
FASTLANE (BY-TF-169)	6.5	6.0	6.7	6.7	5.2	6.2
GLX REVIVE (PST-5GLBS)	6.5	5.4	6.7	6.5	6.0	6.2
TITANIUM G-LS (PPG-TF 255)	6.4	5.7	6.5	6.8	5.8	6.2

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2023 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
SYMPHONY (PPG-TF 305)	6.5	5.9	6.6	6.9	5.2	6.2
ZION (BAR TF 134)	6.5	5.9	6.8	6.9	5.1	6.2
RHF	6.7	6.2	6.7	6.7	4.8	6.2
TANK (PPG-TF 338)	6.5	5.9	6.7	6.5	5.6	6.2
PST-5DC24	6.5	5.0	6.9	6.8	6.0	6.2
ORIOLE (PST-5BYOB)	6.5	5.4	6.7	6.5	6.0	6.2
GLX ACED (PST-5DART)	6.6	5.7	6.3	6.5	6.0	6.2
MOONDANCE GLX	6.5	5.1	6.6	6.5	6.4	6.2
PST-5TRN	6.5	5.5	6.8	6.5	5.8	6.2
TEACHER (PPG-TF 313)	6.7	6.0	6.6	6.8	5.0	6.2
FIRENZA II (PPG-TF 244)	6.7	5.9	6.8	6.7	5.0	6.2
FIRECRACKER G-LS (PPG-TF 315)	6.5	6.4	6.4	6.8	4.9	6.2
PROVIDENCE (GO-RH20)	6.5	5.5	6.7	6.9	5.4	6.2
SR 8700 (TMT1)	6.4	5.4	6.9	6.8	5.4	6.2
ROWDIER (DLFPS-321/3699)	6.5	5.5	6.8	6.6	5.6	6.2
RAPTOR LS (PPG-TF 336)	6.6	6.3	6.4	6.7	4.9	6.2
TD2	6.5	5.8	6.9	6.7	5.0	6.2
SETFM3	6.5	5.1	6.4	6.6	6.2	6.2
FINELAWN SUPREME (RH3)	6.6	5.9	6.4	6.9	5.1	6.2
HELLCAT GLR (PST-5E6)	6.3	5.6	6.7	6.8	5.4	6.2
FALCON SUPREME (RH1)	6.4	5.3	6.7	7.0	5.4	6.2
JT 517	6.3	5.3	6.2	6.7	6.2	6.2
GRO-PRO (SE53D2)	6.6	5.2	6.4	6.6	5.9	6.1
OKEEFE (LTP-TF-122)	6.4	5.9	6.4	6.7	5.3	6.1
ATF1768	6.5	5.2	6.5	6.4	6.1	6.1
DLFPS-321/3693	6.5	6.0	6.5	7.0	4.7	6.1
DLFPS-321/3706	6.5	6.0	6.4	6.8	5.0	6.1
K18-RS6	6.4	5.8	6.6	6.7	5.2	6.1
BONFIRE (JS DTT)	6.5	6.2	6.1	6.6	5.2	6.1
3B2	6.4	5.3	6.7	6.6	5.6	6.1
GALLARDO (DLFPS-TF/3550)	6.6	5.6	6.5	6.7	5.2	6.1
RS1	6.4	5.6	6.9	6.9	4.8	6.1
PADRE 2	6.5	5.2	6.7	6.9	5.4	6.1
DLFPS-321/3708	6.4	5.7	6.5	6.7	5.3	6.1
RAD-TF105	6.3	5.6	6.6	6.4	5.7	6.1
PST-5THM	6.3	5.0	6.7	6.6	6.1	6.1
BIRMINGHAM	6.7	4.7	6.7	6.4	6.1	6.1
HOUNDOG NINE (DLFPS-321/3702)	6.6	5.7	6.6	6.7	4.9	6.1
TANGO	6.5	4.8	6.8	6.3	6.1	6.1
DAYBREAK (AH2)	6.5	5.6	6.6	6.7	5.1	6.1
TRIAD (PPG-TF 323)	6.5	5.8	6.6	6.7	5.0	6.1
ATF2116	6.5	5.1	6.5	6.5	6.0	6.1
MONUMENT (PST-5SQB)	6.3	5.2	6.6	6.3	6.1	6.1
RC4	6.7	5.7	6.5	6.7	4.8	6.1
K18-NSE	6.5	6.3	6.6	7.0	4.0	6.1

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2023 DATA

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

NAME	IA1	IN1	MI1	NE1	ON1	MEAN
PARAMOUNT	6.6	5.5	6.7	6.6	5.0	6.1
BRAVO 2	6.6	4.6	6.6	6.6	6.1	6.1
TOPSHELF (BGR-TF3)	6.8	5.1	6.8	6.3	5.2	6.1
TALLADEGA II (NAI-3N2)	6.3	5.7	6.6	6.4	5.2	6.1
DLFPS-TF/3553	6.3	5.9	6.5	6.6	5.0	6.1
PRO GOLD	6.5	5.1	6.3	6.6	5.8	6.1
ESCALADE	6.5	4.1	6.6	6.6	6.4	6.0
TOUGH (NAI-TUE)	6.5	4.6	6.6	6.4	6.1	6.0
BAR-FA8230	6.4	4.6	6.6	6.3	6.4	6.0
BARNOBLE (BAR 9FE MAS)	6.5	4.4	6.8	6.4	6.0	6.0
LAFAYETTE (GO-AOMK)	6.6	4.9	6.6	6.3	5.8	6.0
GALACTIC (SESCR1)	6.3	5.6	6.4	6.6	5.1	6.0
GRAND PRIX (FC15-01P)	6.3	4.9	6.4	6.7	5.8	6.0
COPIOUS TF	6.4	5.2	6.5	6.6	5.4	6.0
RAPTOR III	6.4	5.1	6.8	6.3	5.4	6.0
BATTLE HAWK (NAI-ROS4)	6.5	5.6	6.4	6.9	4.7	6.0
BANDIT	6.6	5.0	6.4	6.4	5.7	6.0
BULLSEYE	6.5	4.5	6.4	6.5	6.0	6.0
PALOMAR	6.6	4.3	6.6	6.3	6.2	6.0
DLFPS-321/3707	6.5	5.7	6.4	6.7	4.6	6.0
PPG-TF 312	6.2	6.3	6.3	7.0	4.1	6.0
NATURALLY GREEN	6.6	4.6	6.1	6.2	6.4	6.0
OG-WALK	6.5	4.2	6.6	6.5	6.2	6.0
HEMI	6.6	4.7	6.8	6.7	5.1	6.0
DLFPS-321/3694	6.5	5.2	6.7	6.7	4.9	6.0
NAI-FQZ-17	6.6	4.6	6.4	6.4	5.9	6.0
SE5STAR	6.3	4.8	6.6	6.6	5.6	6.0
A-TF31	6.6	4.8	6.2	6.5	5.7	6.0
K18-WB1	6.5	5.8	6.4	6.6	4.5	6.0
AST8218LM	6.4	5.0	6.3	6.3	5.7	6.0
DLFPS-321/3695	6.5	5.7	6.3	6.6	4.6	5.9
SETFM2	6.4	4.9	6.3	6.2	5.7	5.9
GRANDE 3	6.3	5.1	6.7	6.5	4.7	5.9
AST8118LM	6.4	4.6	6.4	6.5	5.3	5.8
DLFPS-321/3703	6.5	5.1	6.4	6.3	4.8	5.8
LBF	6.5	5.0	6.6	6.1	5.0	5.8
FAIRFIELD (SETF104)	6.1	5.0	6.5	6.5	4.9	5.8
BAR FA 8228	6.5	4.2	6.1	5.8	6.3	5.8
RAD-TF131	6.6	4.4	6.2	6.3	4.0	5.5
RAD-TF115 (TURBO SS)	6.4	5.0	5.9	6.5	3.7	5.5
KENTUCKY-31	6.3	3.0	3.9	5.5	6.0	5.0
LSD VALUE	0.4	0.6	0.5	0.4	0.9	0.3
C.V. (%)	3.6	7.1	4.3	4.2	10.5	6.1

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

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

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/ 2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								
NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
CLASH (AH1)	7.3	8.0	7.3	7.7	7.0	6.3	5.0	7.0
DLFPS-321/3695	7.0	8.0	7.0	8.0	7.0	6.3	5.3	7.0
EXPANSE (PPG-TF 262)	6.7	8.0	7.0	7.7	7.0	6.3	6.0	7.0
K18-NSE	7.3	8.0	7.3	8.0	7.0	6.3	4.7	7.0
PPG-TF 312	7.0	8.3	7.3	7.7	7.0	7.0	4.3	7.0
RHF	6.7	8.0	7.3	8.0	7.0	6.7	5.0	7.0
RHL2	6.0	8.0	7.0	8.3	7.3	6.7	5.3	7.0
SYMPHONY (PPG-TF 305)	6.7	8.0	7.0	8.0	7.0	6.3	5.7	7.0
TITANIUM G-LS (PPG-TF 255)	6.7	8.0	7.3	8.0	7.0	6.0	5.7	7.0
DLFPS-321/3706	7.0	8.3	7.0	8.0	7.0	6.0	5.0	6.9
ESTRENA	7.7	8.0	7.3	7.7	7.0	6.3	4.3	6.9
JT 517	6.7	8.0	7.0	7.7	6.7	6.0	6.3	6.9
RAPTOR LS (PPG-TF 336)	7.0	8.0	7.0	8.0	7.0	6.3	5.0	6.9
XANADU (JT 268)	6.3	8.0	7.0	8.0	7.3	6.0	5.7	6.9
5LSS	6.3	8.0	8.0	8.0	7.0	6.3	4.3	6.9
BATTLE HAWK (NAI-ROS4)	6.7	8.0	7.0	8.0	7.3	6.0	5.0	6.9
DLFPS-321/3693	7.0	8.0	7.0	7.7	7.0	6.3	5.0	6.9
DLFPS-321/3708	6.0	8.0	7.0	7.7	6.3	6.3	6.7	6.9
FINELAWN SUPREME (RH3)	7.3	8.0	7.3	7.7	7.3	6.0	4.3	6.9
FIRECRACKER G-LS (PPG-TF 315)	6.7	7.7	7.0	7.7	7.0	6.3	5.7	6.9
K18-WB1	6.7	8.0	7.0	7.7	7.0	6.3	5.3	6.9
ROWDIER (DLFPS-321/3699)	6.0	8.0	7.0	7.7	7.0	6.3	6.0	6.9
SPYDER 2LS (ZRC1)	6.7	7.7	7.0	8.0	7.3	6.0	5.3	6.9
DEGAS (LTP-TF-111)	7.0	8.0	7.0	8.0	7.0	6.0	5.0	6.9
PPG-TF 318	6.7	8.3	7.0	7.7	7.0	6.0	5.3	6.9
TANK (PPG-TF 338)	6.7	8.0	7.0	7.7	7.0	6.0	5.7	6.9
TOUGH (NAI-TUE)	7.3	8.0	7.0	7.3	6.7	6.0	5.7	6.9
AST8218LM	6.7	8.0	7.0	7.0	6.3	5.7	7.0	6.8
DLFPS-TF/3553	6.7	8.0	7.0	7.7	7.3	6.0	5.0	6.8
HOUNDOG NINE (DLFPS-321/3702)	7.0	8.0	7.0	7.7	6.7	6.0	5.3	6.8
NATURALLY GREEN	6.3	8.0	7.0	7.0	6.3	6.0	7.0	6.8
PPG-TF 316	6.3	8.0	7.3	7.7	7.0	6.0	5.3	6.8
PPG-TF 337	6.0	8.0	7.0	8.0	7.3	6.3	5.0	6.8
ROVER (PPG-TF 306)	6.3	8.0	7.0	8.0	7.0	6.0	5.3	6.8
BLADERUNNER 3 (DLFPS-321/3701)	6.3	8.0	7.0	8.0	7.0	6.0	5.3	6.8
FIREHAWK SLT	6.7	8.0	7.0	8.0	7.0	6.0	5.0	6.8
GALLARDO (DLFPS-TF/3550)	6.3	8.0	7.0	7.7	7.0	6.3	5.3	6.8
NT-3	6.3	8.0	7.0	8.0	7.0	6.3	5.0	6.8
RAPTOR III	6.3	8.0	7.0	7.7	7.0	6.0	5.7	6.8
SETFM2	6.3	8.0	7.0	7.0	6.7	6.0	6.7	6.8
TRIAD (PPG-TF 323)	6.7	8.0	7.0	8.0	7.0	6.0	5.0	6.8
AST8118LM	6.3	8.0	7.0	7.3	6.3	6.0	6.3	6.8
AVENGER III (PPG-TF 308)	7.0	8.0	7.0	7.7	6.7	6.0	5.0	6.8
DAYBREAK (AH2)	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8
DLFPS-321/3694	6.3	8.0	7.0	7.7	7.0	6.0	5.3	6.8

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/ 2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/							
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-321/3707	6.0	7.7	7.3	7.7	7.0	6.3	5.3	6.8
FIRENZA II (PPG-TF 244)	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8
GALACTIC (SESCR1)	6.3	8.0	7.0	7.7	7.0	6.3	5.0	6.8
PROVIDENCE (GO-RH20)	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8
RAD-TF105	6.0	8.0	7.0	7.3	6.7	6.0	6.3	6.8
TD2	6.3	8.0	7.0	7.7	7.0	6.0	5.3	6.8
TITAN GLX (TF445)	6.7	7.7	7.0	7.7	7.0	6.0	5.3	6.8
TITAN MAX (TF456)	7.0	7.7	7.0	7.7	6.7	6.0	5.3	6.8
ZION (BAR TF 134)	7.0	8.0	7.0	8.0	6.3	6.0	5.0	6.8
BANDIT	6.0	7.7	7.0	7.7	6.7	6.0	6.0	6.7
BONFIRE (JS DTT)	6.7	8.0	7.0	7.3	6.7	6.3	5.0	6.7
BULLSEYE	7.0	8.0	7.0	7.3	6.7	6.0	5.0	6.7
COL-TF-148	6.3	8.0	7.0	7.7	7.0	6.0	5.0	6.7
FALCON SUPREME (RH1)	6.3	8.0	7.0	7.7	6.7	6.0	5.3	6.7
FASTLANE (BY-TF-169)	7.0	8.0	7.0	7.3	6.3	6.3	5.0	6.7
HEMI	6.7	8.0	7.0	7.7	6.7	6.0	5.0	6.7
NAI-ST5	6.3	8.0	7.0	7.3	7.0	6.0	5.3	6.7
RACEWAY (DLFPS-321/3696)	6.0	8.0	7.0	7.7	6.7	6.0	5.7	6.7
RC4	6.7	8.0	7.0	7.3	7.0	6.0	5.0	6.7
SERENADE (PPG-TF 320)	7.0	8.0	7.0	7.3	6.7	6.0	5.0	6.7
SETFM3	6.3	7.7	7.0	7.3	6.7	6.0	6.0	6.7
SR 8700 (TMT1)	6.0	8.0	7.0	7.7	7.0	6.0	5.3	6.7
STEALTH (PPG-TF 238)	6.3	8.0	7.0	7.3	6.7	6.3	5.3	6.7
TOPSHELF (BGR-TF3)	6.3	8.0	7.0	6.7	6.3	6.0	6.7	6.7
ATF2116	6.7	8.0	7.0	7.0	6.0	6.0	6.0	6.7
BIRMINGHAM	6.3	7.7	7.0	7.3	6.3	6.0	6.0	6.7
BULLSEYE LTZ	6.3	8.0	7.0	7.7	6.7	6.0	5.0	6.7
CAPITAN (DLFPS-321/3705)	6.0	8.0	7.0	8.0	6.7	6.0	5.0	6.7
COPIOUS TF	6.3	8.0	7.0	7.0	6.0	5.7	6.7	6.7
DYNAMITE G-LS (PPG-TF 254)	6.3	8.0	7.0	7.3	7.0	6.0	5.0	6.7
ENDGAME (3N1)	7.0	7.7	7.0	7.3	6.7	6.0	5.0	6.7
EXTRAVAGANZA (PST-5MCMO)	7.0	8.0	7.0	7.3	6.7	6.0	4.7	6.7
KIZZLE (K18-ROE)	6.3	8.0	7.0	7.7	6.7	6.0	5.0	6.7
LAFAYETTE (GO-AOMK)	5.3	8.0	7.0	7.3	6.0	6.0	7.0	6.7
OKEEFE (LTP-TF-122)	6.3	8.0	7.0	7.3	7.0	6.0	5.0	6.7
PST-5DC24	6.7	8.0	7.0	7.0	6.3	6.0	5.7	6.7
SOUTHSIDE(PPG-TF 267)	6.7	8.0	7.0	7.3	6.3	6.3	5.0	6.7
TALLADEGA II (NAI-3N2)	6.0	8.0	7.0	7.3	7.0	6.0	5.3	6.7
TEACHER (PPG-TF 313)	6.0	7.7	7.0	7.7	7.0	6.3	5.0	6.7
VALSETZ (PPG-TF 257)	6.3	8.0	7.0	7.3	7.0	6.0	5.0	6.7
JT 233	6.3	8.0	7.0	7.3	6.7	6.0	5.0	6.6
LIFEGUARD	6.0	8.0	7.0	7.7	6.7	6.0	5.0	6.6
PARAMOUNT	7.0	7.7	7.0	7.0	6.3	6.0	5.3	6.6
PPG-TF 231	6.7	8.0	7.0	7.0	6.7	6.0	5.0	6.6
PPG-TF 249	6.3	7.7	7.0	7.7	6.7	6.0	5.0	6.6

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
(CONT'D) MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2023 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
3B2	6.3	8.0	7.0	7.3	6.7	6.0	5.0	6.6
DLFPS-321/3703	6.7	8.0	7.0	7.3	6.3	6.0	5.0	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	8.0	7.0	7.3	6.7	6.0	5.3	6.6
GRANDE 3	6.0	8.0	7.0	7.3	7.0	6.0	5.0	6.6
HELLCAT GLR (PST-5E6)	6.3	8.0	7.0	7.3	6.7	6.0	5.0	6.6
LBF	6.0	7.3	7.0	7.3	6.3	6.0	6.3	6.6
PST-5GQ	6.0	8.0	7.0	7.7	6.7	6.0	5.0	6.6
ATF1768	7.0	8.0	7.0	7.0	6.0	6.0	5.0	6.6
DRAGSTER	6.0	7.7	7.0	7.7	6.3	6.3	5.0	6.6
GLX REVIVE (PST-5GLBS)	6.3	8.0	7.0	7.3	6.3	6.0	5.0	6.6
K18-RS6	6.7	8.0	7.0	7.3	6.7	6.0	4.3	6.6
PST-5DZM	6.0	8.0	7.0	7.0	6.7	6.0	5.3	6.6
RDC	6.0	8.0	7.0	7.7	6.7	6.3	4.3	6.6
BRAVO 2	6.3	8.0	7.0	7.0	6.0	6.0	5.3	6.5
FAYETTE	6.7	7.7	7.0	7.0	6.3	6.0	5.0	6.5
GLX ACED (PST-5DART)	6.7	7.7	7.0	7.0	6.3	6.0	5.0	6.5
MOONDANCE GLX	6.3	8.0	7.0	7.0	6.7	6.0	4.7	6.5
NAI-FQZ-17	6.3	7.3	6.7	7.3	6.3	6.0	5.7	6.5
PADRE 2	6.3	7.7	7.0	7.3	6.3	6.0	5.0	6.5
PST-5THM	6.7	7.7	7.0	7.3	6.3	6.0	4.7	6.5
PST-5TRN	6.3	8.0	7.0	7.3	6.3	6.0	4.7	6.5
RS1	5.7	7.7	7.0	7.7	7.0	6.0	4.7	6.5
SE5STAR	7.3	7.7	6.3	7.3	6.7	5.7	4.7	6.5
FAIRFIELD (SETF104)	5.3	7.3	7.0	7.3	6.3	6.0	6.0	6.5
PST-5MINK	6.0	8.0	6.7	7.3	6.3	6.0	5.0	6.5
ESCALADE	6.3	7.7	7.0	7.0	6.3	6.0	5.0	6.5
BENTLEY (DLFPS-321/3679)	5.3	7.7	7.0	7.0	6.3	6.0	5.7	6.4
ORIOLE (PST-5BYOB)	7.0	8.0	7.0	6.7	6.3	5.7	4.3	6.4
RAD-TF115 (TURBO SS)	5.0	6.7	7.0	7.0	7.0	6.0	6.3	6.4
TANGO	6.3	7.3	6.7	7.3	6.3	6.0	5.0	6.4
BAR-FA8230	6.0	7.7	7.0	7.3	6.0	5.7	5.0	6.4
GRAND PRIX (FC15-01P)	6.3	7.7	6.7	6.7	6.3	6.0	5.0	6.4
MONUMENT (PST-5SQB)	5.7	8.0	7.0	7.3	6.0	6.0	4.7	6.4
A-TF31	5.7	7.3	6.7	7.0	6.0	5.7	6.0	6.3
RAD-TF131	5.0	7.0	6.7	7.0	6.0	6.0	6.7	6.3
BAR FA 8228	6.3	7.3	7.0	7.0	6.3	5.3	4.7	6.3
BARNOBLE (BAR 9FE MAS)	6.0	7.0	6.7	7.0	6.3	6.0	5.0	6.3
GRO-PRO (SE53D2)	6.3	7.7	7.0	7.0	6.0	5.7	4.3	6.3
PRO GOLD	6.0	7.7	7.0	6.7	6.3	6.0	4.3	6.3
PALOMAR	6.7	7.3	6.3	6.3	5.7	5.3	4.7	6.0
OG-WALK	5.7	7.0	6.3	6.3	5.7	5.7	5.0	6.0
KENTUCKY-31	6.3	7.0	7.0	6.7	5.0	4.0	3.0	5.6
LSD VALUE	0.9	0.5	0.4	0.8	0.8	0.5	0.7	0.3
C.V. (%)	8.8	4.0	3.1	6.9	7.2	5.3	8.8	2.7

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 10.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/										MEAN
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3707	6.0	6.0	6.3	6.7	6.7	6.3	6.7	7.0	7.0	7.0	6.6
CLASH (AH1)	6.7	6.7	6.3	6.3	6.7	6.7	6.7	6.7	6.3	6.3	6.5
DLFPS-321/3708	5.3	5.7	6.7	6.7	6.7	6.3	7.0	6.7	7.0	6.7	6.5
TITANIUM G-LS (PPG-TF 255)	6.3	6.3	6.3	6.3	6.0	6.7	6.7	6.3	6.7	6.7	6.4
COL-TF-148	6.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	7.0	6.7	6.4
BONFIRE (JS DTT)	5.3	5.7	5.7	6.3	6.3	7.0	7.3	7.0	6.7	6.3	6.4
FAIRFIELD (SETF104)	5.7	5.7	6.0	6.3	6.3	6.7	7.0	6.7	6.7	6.7	6.4
GALACTIC (SESCR1)	6.0	6.0	6.3	6.7	6.3	6.7	6.7	6.7	6.0	6.0	6.3
OKEEFE (LTP-TF-122)	5.7	6.0	6.0	5.7	5.7	6.3	7.0	7.0	7.0	6.7	6.3
STEALTH (PPG-TF 238)	5.7	5.7	6.0	6.3	6.3	6.3	6.7	6.7	6.7	6.7	6.3
TEACHER (PPG-TF 313)	5.7	5.7	5.7	6.3	6.3	6.7	6.7	7.0	6.3	6.3	6.3
RS1	5.3	5.3	5.3	6.3	6.0	6.7	6.7	7.0	7.0	6.7	6.2
K18-WB1	6.0	6.0	6.0	6.0	5.7	6.0	6.7	7.0	6.7	6.3	6.2
SOUTHSIDE (PPG-TF 267)	5.0	5.7	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.7	6.2
EXPANSE (PPG-TF 262)	5.7	5.7	5.7	6.3	6.7	6.3	6.7	6.3	6.3	6.3	6.2
FINELAWN SUPREME (RH3)	5.3	5.3	6.0	6.3	6.7	6.3	6.7	6.7	6.3	6.0	6.2
K18-NSE	5.7	5.7	5.7	6.3	6.3	6.0	6.7	6.7	6.3	6.3	6.2
5LSS	5.7	5.7	5.7	6.0	5.3	6.3	6.7	7.0	6.7	6.3	6.1
DLFPS-321/3706	5.3	5.3	5.3	6.0	6.0	6.0	7.0	7.0	6.7	6.7	6.1
RHL2	5.7	5.7	6.0	6.3	6.3	6.7	6.7	6.3	5.7	6.0	6.1
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.7	6.0	6.3	5.7	5.7	6.3	6.7	6.7	6.3	6.1
FIRENZA II (PPG-TF 244)	5.7	5.7	5.7	6.0	6.0	6.3	6.7	6.3	6.3	6.3	6.1
KIZZLE (K18-ROE)	5.7	5.7	5.7	6.3	6.3	6.3	6.3	6.0	6.3	6.3	6.1
SPYDER 2LS (ZRC1)	6.0	6.0	5.7	5.7	5.7	6.3	6.7	6.3	6.3	6.3	6.1
FALCON SUPREME (RH1)	5.7	5.7	5.7	6.3	6.7	6.0	6.3	6.3	6.0	6.3	6.1
DLFPS-TF/3553	6.0	6.0	6.0	6.3	6.0	6.0	5.7	6.0	6.3	6.3	6.1
RDC	6.0	5.7	5.7	6.0	6.3	6.0	6.7	6.7	5.7	6.0	6.1
SR 8700 (TMT1)	5.7	5.7	6.3	6.3	6.0	6.0	6.3	6.3	6.0	6.0	6.1
TRIAD (PPG-TF 323)	5.7	5.7	6.0	6.7	6.7	5.7	6.0	6.3	6.0	6.0	6.1
DLFPS-321/3693	5.3	5.3	6.0	6.3	6.3	6.3	6.7	6.0	6.0	6.0	6.0
HEMI	5.7	5.7	5.7	6.0	6.0	6.0	6.3	6.7	6.3	6.0	6.0
RAPTOR LS (PPG-TF 336)	5.7	5.7	5.3	5.7	5.7	6.3	7.0	7.0	6.0	6.0	6.0
TANK (PPG-TF 338)	5.3	5.3	6.0	6.3	6.0	6.7	6.7	6.0	6.0	6.0	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.0	6.0	6.0	5.7	5.7	6.3	6.3	6.0	6.0	6.0
PROVIDENCE (GO-RH20)	6.3	6.3	6.0	6.3	5.7	5.7	5.7	6.0	6.0	6.0	6.0
RHF	5.7	6.0	6.0	6.3	6.3	5.7	6.3	6.3	5.7	5.7	6.0
XANADU (JT 268)	5.3	5.3	6.0	6.3	6.3	5.7	6.0	6.3	6.3	6.3	6.0
AVENGER III (PPG-TF 308)	5.7	6.0	6.0	6.0	6.0	5.3	6.0	6.3	6.3	6.0	6.0
DAYBREAK (AH2)	5.7	5.7	6.0	6.0	6.7	5.7	6.0	6.0	6.0	6.0	6.0
DLFPS-321/3694	5.3	5.0	5.0	6.0	5.7	6.3	7.0	7.0	6.3	6.0	6.0
DRAGSTER	6.0	6.0	5.7	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0
PPG-TF 316	5.3	5.3	6.0	6.0	5.7	6.3	6.7	6.7	5.7	6.0	6.0
ROVER (PPG-TF 306)	5.3	5.7	6.0	6.3	6.3	6.3	6.3	6.0	5.7	5.7	6.0
SYMPHONY (PPG-TF 305)	5.7	5.7	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0	5.9

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/										
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-321/3695	5.7	5.7	5.7	5.7	5.7	5.7	6.3	6.0	6.3	6.3	5.9
K18-RS6	5.3	5.3	5.3	6.0	6.3	6.0	6.3	6.3	6.0	6.0	5.9
RACEWAY (DLFPS-321/3696)	5.0	5.3	6.3	6.0	5.7	6.0	6.0	6.0	6.3	6.3	5.9
SERENADE (PPG-TF 320)	5.3	5.3	5.7	6.3	6.3	6.0	6.3	6.3	5.7	5.7	5.9
TD2	5.3	5.3	5.7	5.7	5.7	6.7	6.3	6.3	6.0	6.0	5.9
HOUNDG NINE (DLFPS-321/3702)	5.7	5.7	5.7	6.0	6.3	5.3	6.0	6.3	5.7	6.0	5.9
RAPTOR III	5.3	5.3	5.7	6.0	6.0	5.7	6.3	6.0	6.0	6.0	5.8
VALSETZ (PPG-TF 257)	5.3	5.3	5.7	5.7	5.7	6.0	6.3	6.3	6.0	6.0	5.8
TALLADEGA II (NAI-3N2)	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.8
BATTLE HAWK (NAI-ROS4)	5.0	5.0	5.7	5.7	5.7	6.3	6.3	6.3	6.0	6.0	5.8
DEGAS (LTP-TF-111)	5.3	5.7	5.7	5.3	5.3	6.0	6.3	6.3	6.0	6.0	5.8
FASTLANE (BY-TF-169)	5.0	5.0	5.3	6.0	6.3	5.7	6.3	6.3	6.0	6.0	5.8
NAI-ST5	5.3	5.3	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.0	5.8
PPG-TF 231	5.7	5.3	5.3	6.0	6.3	5.7	5.7	6.0	6.0	6.0	5.8
RC4	5.0	5.7	6.0	6.0	6.0	5.7	5.7	6.0	6.0	6.0	5.8
HELLCAT GLR (PST-5E6)	6.0	6.0	5.7	5.7	5.7	6.0	6.0	6.0	5.3	5.3	5.8
PPG-TF 318	5.3	5.3	5.7	5.7	5.3	6.0	6.3	6.3	5.7	5.7	5.7
PPG-TF 337	5.0	5.0	5.3	5.7	5.7	6.0	6.7	6.3	6.0	5.7	5.7
TITAN GLX (TF445)	5.3	5.0	5.3	5.7	6.0	6.3	6.3	6.0	5.7	5.7	5.7
BULLSEYE LTZ	5.3	5.3	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7
ENDGAME (3N1)	6.0	6.0	6.0	6.0	5.7	5.0	5.3	5.7	5.7	5.7	5.7
GLX ACED (PST-5DART)	5.0	5.0	5.0	6.0	6.3	6.0	6.0	6.0	6.0	5.7	5.7
DYNAMITE G-LS (PPG-TF 254)	5.0	5.0	5.0	5.3	5.7	6.0	6.0	6.3	6.3	6.0	5.7
GALLARDO (DLFPS-TF/3550)	5.7	5.7	5.7	6.0	5.7	5.3	5.7	5.7	5.7	5.7	5.7
GLX REVIVE (PST-5GLBS)	5.3	5.3	5.3	6.0	6.0	5.7	6.0	6.0	5.3	5.3	5.6
NT-3	5.3	5.7	5.3	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.6
LIFEGUARD	5.3	5.3	5.0	5.7	6.0	5.7	5.7	5.7	6.0	5.7	5.6
ESTRENA	5.3	5.3	5.3	6.0	5.7	5.0	5.3	6.0	5.7	6.0	5.6
PARAMOUNT	5.3	5.3	5.7	5.7	6.3	5.3	6.0	6.0	5.0	5.0	5.6
PPG-TF 312	6.0	5.7	5.3	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.6
ZION (BAR TF 134)	5.3	5.0	5.3	5.7	5.7	5.3	5.7	6.0	5.7	5.7	5.5
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.5
EXTRAVAGANZA (PST-5MCMO)	5.0	5.0	5.0	5.3	5.7	5.7	6.0	6.3	5.7	5.3	5.5
PPG-TF 249	5.3	5.0	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	5.5
DLFPS-321/3703	5.0	5.0	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.5
PST-5GQ	5.0	5.0	5.3	5.7	5.7	6.0	6.0	6.0	5.0	5.0	5.5
RAD-TF115 (TURBO SS)	5.0	5.0	5.0	5.7	5.7	5.7	6.0	6.0	5.3	5.3	5.5
3B2	5.0	5.0	5.0	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.4
PST-5TRN	5.0	5.0	5.0	5.3	5.0	6.3	6.3	5.7	5.3	5.0	5.4
ROWDIER (DLFPS-321/3699)	5.0	5.0	5.3	5.7	5.7	5.7	5.7	5.7	5.0	5.3	5.4
A-TF31	5.0	5.0	5.3	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.4
GRANDE 3	5.0	4.7	5.0	5.0	5.3	6.0	6.0	6.0	5.0	5.7	5.4
PADRE 2	5.7	5.3	5.3	5.3	5.7	5.0	5.3	5.3	5.3	5.3	5.4
SETFM3	4.7	5.0	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.4
TITAN MAX (TF456)	4.7	4.7	5.3	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.4

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (IN THE PACIFIC REGION) 1/
2023 DATA

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

NAME	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
CAPITAN (DLFPS-321/3705)	5.0	5.0	5.0	5.3	5.7	5.3	5.7	5.7	5.3	5.3	5.3
JT 233	5.0	5.0	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.3	5.3
PST-5DZM	4.7	4.7	5.0	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.3
BENTLEY (DLFPS-321/3679)	5.0	5.0	5.0	5.7	5.7	5.3	5.3	5.3	5.0	5.3	5.3
TANGO	5.0	5.0	5.0	5.3	5.7	5.7	5.7	5.3	5.0	5.0	5.3
ATF1768	4.7	4.7	4.7	5.0	5.3	5.3	5.7	5.7	5.7	5.7	5.2
JT 517	4.7	4.7	5.3	5.7	5.7	5.3	5.3	5.3	5.0	5.3	5.2
LAFAYETTE (GO-AOMK)	5.3	5.3	5.3	5.7	5.7	5.0	5.3	5.3	4.7	4.7	5.2
NAI-FQZ-17	5.0	5.0	5.3	5.3	5.3	5.7	5.7	5.0	4.7	4.7	5.2
PST-5DC24	5.3	5.0	5.3	5.3	5.3	5.3	5.0	5.3	5.0	4.7	5.2
RAD-TF131	5.0	5.0	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.2
GRO-PRO (SE53D2)	4.7	4.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.2
ATF2116	4.3	4.3	5.7	5.7	5.3	5.7	5.3	5.3	4.7	5.0	5.1
FIREHAWK SLT	5.3	5.3	5.0	5.3	5.3	4.7	5.0	5.3	5.0	5.0	5.1
GRAND PRIX (FC15-01P)	5.0	4.7	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.1
BULLSEYE	5.3	5.3	5.0	5.0	5.0	5.3	5.7	5.3	4.7	4.7	5.1
SE5STAR	5.0	5.0	5.3	5.3	5.3	5.3	5.3	5.3	4.7	4.7	5.1
TOUGH (NAI-TUE)	4.7	5.0	5.0	5.3	5.7	5.3	5.7	5.3	4.7	4.7	5.1
SETFM2	4.0	4.7	5.3	5.3	5.3	5.3	5.3	5.7	5.0	5.0	5.1
BIRMINGHAM	5.0	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.1
TOPSHELF (BGR-TF3)	4.7	5.0	5.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.1
FAYETTE	5.7	5.0	5.0	5.0	5.0	5.0	4.7	4.7	5.3	5.0	5.0
PRO GOLD	4.7	4.3	4.7	5.3	5.7	5.3	5.3	5.3	5.0	4.7	5.0
ORIOLE (PST-5BYOB)	5.0	5.0	5.0	5.3	5.7	5.3	5.0	5.0	4.3	4.3	5.0
PST-5THM	4.3	4.3	4.3	5.0	5.0	5.3	5.7	5.7	5.0	5.3	5.0
BARNOBLE (BAR 9FE MAS)	5.0	4.7	4.7	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
BRAVO 2	4.7	4.7	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
NATURALLY GREEN	5.0	5.0	5.0	5.0	5.3	4.7	4.7	5.0	4.7	5.0	4.9
COPIOUS TF	5.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	4.7	4.7	4.9
BAR-FA8230	4.7	4.3	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	4.9
RAD-TF105	4.7	4.7	5.0	4.7	5.0	4.7	5.0	5.0	5.3	5.0	4.9
OG-WALK	4.7	4.7	5.0	5.7	5.3	5.0	5.0	4.7	4.3	4.3	4.9
ESCALADE	4.3	4.3	4.7	4.7	5.0	5.3	5.3	5.3	4.7	4.7	4.8
AST8218LM	4.3	4.3	4.3	5.0	5.3	5.3	5.0	5.0	4.7	4.7	4.8
BANDIT	5.0	5.0	5.0	4.7	5.3	4.7	4.7	4.3	4.7	4.7	4.8
MOONDANCE GLX	4.7	4.7	5.0	5.0	5.3	4.7	4.7	5.0	4.7	4.3	4.8
LBF	4.3	4.3	4.7	5.0	5.0	5.0	5.0	4.7	4.7	4.7	4.7
PST-5MINK	4.3	4.3	5.0	5.0	5.0	4.7	4.7	5.0	4.7	4.7	4.7
AST8118LM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.3	4.3	4.6
PALOMAR	4.3	4.3	4.3	5.0	4.7	4.7	4.7	4.7	4.0	4.3	4.5
BAR FA 8228	5.0	4.0	4.0	4.0	4.3	5.0	5.0	4.7	4.3	4.3	4.5
MONUMENT (PST-5SQB)	5.0	4.3	4.3	4.7	4.7	4.3	4.7	4.3	4.0	4.0	4.4
KENTUCKY-31	2.0	2.0	2.0	2.3	3.0	3.0	2.3	3.0	3.0	3.0	2.6

LSD VALUE 0.9 0.9 0.9 1.0 1.1 1.1 1.2 1.1 1.1 1.0 0.7
C.V. (%) 10.5 10.8 10.4 11.1 12.5 12.2 13.0 11.4 12.6 11.1 7.9

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

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

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											MEAN		
		SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			QUALITY RATINGS								
				SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
RC4	5.7	7.0	7.7	6.3	6.3	7.3	6.3	6.0	6.0	6.3	6	7.0	8.0	8.3	6.8
FAYETTE	6.0	6.7	9.0	5.7	6.3	7.0	5.7	6.3	6.3	6.3	6	7.0	8.0	7.7	6.7
HEMI	6.0	6.0	8.3	5.7	6.7	7.7	5.7	6.0	5.7	6.7	6	7.0	8.0	8.7	6.7
A-TF31	6.3	5.7	8.0	6.0	6.3	7.0	6.0	6.7	5.7	6.3	6	7.0	7.0	8.0	6.6
BANDIT	6.3	7.0	7.0	6.3	6.3	6.3	6.3	7.3	6.0	6.3	6	6.3	7.0	7.3	6.6
BONFIRE (JS DTT)	6.0	5.0	7.7	5.7	6.3	6.7	5.7	6.3	6.0	6.3	6	7.0	8.0	7.7	6.6
CLASH (AH1)	5.7	8.0	8.0	6.0	6.3	6.7	6.0	6.3	6.7	6.3	6	7.0	7.0	7.7	6.6
DLFPS-321/3703	6.3	6.0	8.7	6.7	6.3	7.0	6.7	6.3	5.7	6.3	6	6.3	7.3	8.0	6.6
DRAGSTER	5.3	7.3	7.7	6.0	6.0	6.7	6.0	6.7	6.3	6.0	6	7.0	7.0	7.7	6.6
GLX ACED (PST-5DART)	6.0	6.7	8.3	5.7	7.0	7.3	5.7	6.0	5.3	7.0	6	6.7	8.0	8.3	6.6
GLX REVIVE (PST-5GLBS)	6.3	5.7	8.0	6.3	6.0	6.7	6.3	6.3	5.3	6.3	6	7.0	8.3	7.3	6.6
K18-WB1	5.3	7.0	6.7	6.7	6.3	6.7	6.7	6.3	5.0	6.3	6	6.7	8.3	7.7	6.6
MOONDANCE GLX	6.0	6.3	8.0	6.0	6.3	6.0	6.0	6.7	6.7	6.3	6	6.3	7.7	7.0	6.6
PPG-TF 316	5.7	6.0	8.0	6.0	6.0	6.7	6.0	6.3	6.0	6.0	6	7.0	8.0	7.7	6.6
RAPTOR LS (PPG-TF 336)	6.3	5.0	8.3	6.0	6.3	6.3	6.0	6.7	6.0	6.3	6	7.0	7.3	7.3	6.6
STEALTH (PPG-TF 238)	6.0	6.3	7.3	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6	7.3	7.3	7.0	6.6
TITANIUM G-LS (PPG-TF 255)	5.7	5.7	7.7	6.3	6.0	7.0	6.3	6.0	5.7	6.3	6	6.7	8.0	7.7	6.6
ZION (BAR TF 134)	4.7	7.7	7.7	6.0	7.0	6.7	6.0	5.7	6.0	7.0	6	6.7	8.0	7.7	6.6
5LSS	5.0	6.7	7.3	6.0	6.3	7.0	6.0	6.3	5.7	6.3	6	7.0	7.0	8.0	6.5
ATF1768	5.7	6.3	8.0	6.7	6.3	6.7	6.7	6.0	5.7	6.3	6	6.7	7.3	7.7	6.5
BRAVO 2	7.0	5.3	8.0	5.7	6.3	6.7	5.7	6.3	5.7	6.3	6	6.7	7.7	7.7	6.5
BULLSEYE	5.7	6.0	7.0	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6	7.0	7.3	7.3	6.5
BULLSEYE LTZ	6.0	6.3	8.3	6.0	5.7	6.7	6.0	6.3	5.7	6.0	6	7.3	7.3	7.7	6.5
COPIOUS TF	6.3	6.0	8.3	6.7	5.3	6.3	6.7	6.3	6.0	5.3	6	7.0	7.0	7.3	6.5
DEGAS (LTP-TF-111)	5.3	7.3	8.0	6.0	6.3	6.3	6.0	6.0	5.7	6.3	6	6.7	7.7	7.3	6.5
DLFPS-321/3695	5.3	7.0	8.7	5.7	6.7	6.3	5.7	6.0	5.7	6.7	6	7.0	7.3	7.3	6.5
DLFPS-321/3706	7.0	7.0	7.7	6.0	5.3	6.7	6.0	6.0	5.3	6.0	6	7.0	7.7	7.7	6.5
DYNAMITE G-LS (PPG-TF 254)	5.3	5.3	7.3	6.0	6.7	6.7	6.0	6.0	5.7	6.7	6	6.7	7.3	7.7	6.5
FASTLANE (BY-TF-169)	6.0	7.0	7.3	6.0	5.7	6.7	6.0	6.3	5.7	6.0	6	7.3	7.0	7.7	6.5
FIRECRACKER G-LS (PPG-TF 315)	5.3	5.3	8.3	5.7	6.3	6.3	5.7	6.0	6.3	6.3	6	7.0	7.0	7.3	6.5
FIREHAWK SLT	5.3	6.7	8.3	6.0	6.7	6.7	6.0	6.0	6.0	6.7	6	7.0	7.0	7.7	6.5
FIRENZA II (PPG-TF 244)	5.3	7.3	7.3	6.0	6.7	7.0	6.0	6.0	5.3	6.7	6	6.7	7.7	8.0	6.5
GRANDE 3	5.0	5.3	8.3	6.3	5.7	6.3	6.3	6.0	6.0	6.0	6	7.0	7.0	7.3	6.5
JT 233	6.7	5.7	8.0	6.7	6.3	6.3	6.7	6.3	5.0	6.3	6	7.0	7.0	7.3	6.5
LAFAYETTE (GO-AOMK)	6.7	4.0	7.3	5.7	5.7	6.7	5.7	6.7	6.0	6.0	6	6.7	7.3	7.7	6.5
OG-WALK	5.3	5.3	8.7	6.3	6.3	7.3	6.3	6.0	5.3	6.3	6	6.7	7.3	8.3	6.5
ORIOLE (PST-5BYOB)	6.7	5.0	8.0	6.0	6.3	6.7	6.0	7.0	6.0	6.3	6	6.3	7.0	7.7	6.5
PADRE 2	6.0	7.0	7.7	6.3	6.0	7.3	6.3	6.0	5.3	6.0	6	6.7	7.7	8.0	6.5
PALOMAR	5.7	6.0	7.0	6.3	6.3	6.7	6.3	6.3	5.7	6.3	6	6.7	7.0	7.7	6.5
PARAMOUNT	7.0	5.3	7.3	5.7	6.0	6.0	5.7	6.3	6.7	6.0	6	7.0	7.3	7.0	6.5
PPG-TF 337	5.3	5.7	6.0	5.7	6.3	6.3	5.7	6.0	6.0	6.3	6	7.3	7.3	7.3	6.5
PRO GOLD	5.3	6.3	8.7	6.3	6.3	7.0	6.3	6.3	5.0	6.3	6	6.7	7.3	7.7	6.5
PST-5TRN	5.7	6.3	8.3	6.0	6.0	6.7	6.0	6.3	6.0	6.0	6	7.0	7.3	7.7	6.5
RAD-TF115 (TURBO SS)	6.3	4.7	7.7	5.7	6.0	6.0	5.7	6.3	5.7	6.3	6	7.0	8.0	7.0	6.5
RAPTOR III	5.7	5.7	8.0	5.7	6.7	6.7	5.7	6.3	5.7	6.7	6	6.3	7.7	7.7	6.5
RHF	5.3	6.0	9.0	5.7	6.3	6.3	5.7	6.3	5.7	6.7	6	6.7	7.7	7.3	6.5

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			QUALITY RATINGS						MEAN		
				SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP		OCT	NOV
RS1	5.3	6.0	8.7	6.3	6.3	6.7	6.3	6.3	5.0	6.3	6	7.0	7.0	7.7	6.5
SE5STAR	5.3	5.3	8.0	5.7	6.3	7.0	5.7	6.0	5.7	6.3	6	7.0	7.0	8.0	6.5
SETFM3	6.3	4.7	7.3	5.7	6.3	6.7	5.7	6.3	5.7	6.3	6	7.0	7.3	7.7	6.5
SPYDER 2LS (ZRC1)	5.0	7.7	7.7	6.3	6.0	5.7	6.3	6.7	6.3	6.0	6	7.0	7.0	6.7	6.5
SYMPHONY (PPG-TF 305)	6.3	6.3	6.3	6.7	6.3	5.7	6.7	6.3	6.3	6.3	6	7.0	7.0	6.7	6.5
TANK (PPG-TF 338)	6.3	5.0	8.7	5.7	6.3	7.0	5.7	6.3	5.3	6.3	6	7.0	7.3	8.0	6.5
TEACHER (PPG-TF 313)	5.3	6.3	8.3	5.7	5.3	6.3	5.7	6.7	5.7	6.0	6	7.0	7.3	7.3	6.5
TOPSHELF (BGR-TF3)	6.3	7.0	8.3	6.0	6.3	7.0	6.0	6.0	5.3	6.3	6	7.0	7.7	8.0	6.5
TRIAD (PPG-TF 323)	6.0	5.7	8.0	6.0	6.0	7.0	6.0	6.7	5.7	6.3	6	7.0	6.7	8.0	6.5
VALSETZ (PPG-TF 257)	5.3	7.0	8.3	6.0	6.0	6.7	6.0	6.0	6.0	6.0	6	6.7	7.7	7.7	6.5
AST8118LM	5.7	4.3	8.3	5.7	5.3	6.7	5.7	6.0	5.7	6.0	6	7.0	7.3	7.7	6.4
AST8218LM	7.0	4.7	8.0	5.7	5.7	6.3	5.7	6.7	5.7	6.0	6	6.3	7.3	7.3	6.4
ATF2116	6.3	3.7	8.0	5.7	6.3	6.3	5.7	6.0	5.3	6.7	6	6.7	7.3	7.3	6.4
AVENGER III (PPG-TF 308)	6.0	7.0	8.7	6.0	6.3	6.3	6.0	6.3	5.3	6.3	6	6.7	7.3	7.3	6.4
BATTLE HAWK (NAI-ROS4)	5.0	6.0	5.3	6.0	6.3	5.7	6.0	6.0	6.0	6.3	6	7.0	7.3	6.7	6.4
BIRMINGHAM	5.7	5.7	9.0	6.0	6.3	6.7	6.0	5.7	5.3	6.3	6	6.7	7.7	7.7	6.4
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.7	7.7	6.3	6.3	6.3	6.3	6.0	5.3	6.3	6	6.7	7.3	7.3	6.4
DLFPS-321/3694	6.3	6.3	8.7	5.7	6.0	7.0	5.7	6.3	5.0	6.0	6	6.7	7.3	8.0	6.4
DLFPS-321/3708	6.7	5.0	6.7	5.7	6.7	5.7	5.7	6.3	5.7	6.7	6	6.7	7.3	6.7	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	5.7	8.7	6.0	6.7	6.0	6.0	6.0	5.0	6.7	6	7.0	7.3	7.0	6.4
ESTRENA	6.0	6.0	5.7	5.7	6.0	6.7	5.7	6.3	5.3	6.3	6	6.7	7.3	7.7	6.4
EXPANSE (PPG-TF 262)	6.0	6.3	7.7	5.3	6.3	5.7	5.3	5.7	6.3	6.3	6	7.0	7.7	6.7	6.4
FALCON SUPREME (RH1)	5.3	7.3	7.7	6.7	6.7	6.0	6.7	6.0	5.0	6.7	6	6.7	7.3	7.0	6.4
FINELAWN SUPREME (RH3)	5.7	7.0	8.0	6.3	6.0	6.0	6.3	6.0	5.7	6.0	6	6.7	7.3	7.0	6.4
GRAND PRIX (FC15-01P)	5.7	4.7	8.0	6.3	5.3	6.3	6.3	6.3	5.7	6.0	6	6.7	7.0	7.3	6.4
GRO-PRO (SE53D2)	5.7	5.3	8.3	5.7	6.0	6.7	5.7	6.0	5.3	6.0	6	6.7	7.7	7.7	6.4
JT 517	7.0	5.0	8.0	5.3	6.3	6.0	5.3	6.3	6.7	6.3	6	6.7	7.0	6.7	6.4
K18-NSE	5.7	7.7	6.0	6.3	5.7	6.3	6.3	6.0	5.7	6.0	6	6.7	7.3	7.3	6.4
NAI-FQZ-17	7.3	4.3	7.3	5.7	5.7	6.3	5.7	6.3	5.7	6.0	6	6.7	7.3	7.3	6.4
NAI-ST5	5.7	5.7	7.0	5.7	6.0	6.3	5.7	6.0	5.7	6.0	6	7.0	7.3	7.3	6.4
NATURALLY GREEN	6.7	4.7	8.7	5.7	5.3	6.0	5.7	6.7	5.7	5.7	6	7.0	7.3	7.0	6.4
NT-3	6.0	5.7	9.0	6.0	6.3	6.7	6.0	5.7	5.7	6.3	6	6.7	7.3	7.7	6.4
PPG-TF 318	5.3	6.0	7.7	6.0	5.7	6.7	6.0	6.0	5.3	6.0	6	7.0	7.0	7.7	6.4
PROVIDENCE (GO-RH20)	5.7	7.0	8.7	6.3	6.0	7.0	6.3	5.7	5.7	6.0	6	7.0	7.0	7.7	6.4
PST-5DZM	4.7	5.3	7.3	5.7	6.7	6.7	5.7	6.0	5.0	6.7	6	7.0	7.3	7.7	6.4
PST-5GQ	5.7	5.7	8.3	5.7	5.7	7.0	5.7	6.3	5.3	6.0	6	6.3	7.7	7.7	6.4
PST-5MINK	6.7	4.3	7.7	6.0	5.7	6.7	6.0	5.7	6.3	6.0	6	6.3	7.7	7.0	6.4
PST-5THM	6.0	5.0	8.7	5.7	6.3	6.3	5.7	5.7	5.7	6.3	6	6.7	7.7	7.3	6.4
RAD-TF131	6.0	4.7	7.3	5.7	5.7	7.0	5.7	5.7	5.3	6.0	6	7.0	7.3	8.0	6.4
RHL2	5.3	6.0	6.0	5.3	6.0	6.7	5.3	6.3	6.0	6.3	6	6.7	7.0	7.7	6.4
ROWDIER (DLFPS-321/3699)	6.7	3.0	8.3	5.7	6.0	7.0	5.7	6.3	5.3	6.3	6	7.0	7.0	7.7	6.4
SERENADE (PPG-TF 320)	5.3	5.7	9.0	6.0	6.3	6.7	6.0	6.0	5.7	6.3	6	6.3	7.0	7.7	6.4
SR 8700 (TMT1)	7.3	3.7	8.0	5.7	5.7	6.0	5.7	6.7	5.7	6.0	6	7.0	7.3	7.0	6.4
TANGO	6.3	5.7	7.7	5.3	6.3	6.3	5.3	6.0	5.7	6.3	6	6.3	8.0	7.3	6.4
TD2	6.7	4.7	8.0	5.3	6.3	6.7	5.3	6.0	5.3	6.3	6	7.0	7.7	7.7	6.4
XANADU (JT 268)	5.7	5.0	7.3	6.3	6.3	6.3	6.3	5.7	5.7	6.3	6	6.7	7.3	7.0	6.4

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/							QUALITY RATINGS					MEAN	
		SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS		FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
				SPRING	SUMMER										
3B2	6.3	5.3	8.3	5.7	6.0	6.3	5.7	6.3	5.7	6.0	6	6.3	7.3	7.3	6.3
BAR FA 8228	6.7	5.3	8.0	5.3	6.3	6.3	5.3	6.0	5.3	6.3	6	6.3	7.7	7.3	6.3
BAR-FA8230	5.0	5.0	7.0	6.0	6.0	6.0	6.0	6.3	5.3	6.0	6	6.7	7.0	7.0	6.3
BENTLEY (DLFPS-321/3679)	6.0	4.7	7.7	5.7	5.7	6.3	5.7	6.0	5.3	6.0	6	7.0	7.0	7.3	6.3
CAPITAN (DLFPS-321/3705)	6.0	6.7	8.0	5.7	5.7	6.0	5.7	6.7	5.3	6.0	6	6.7	7.0	7.0	6.3
COL-TF-148	6.3	6.0	8.3	5.0	6.3	6.7	5.0	5.7	5.7	6.3	6	6.7	7.7	7.7	6.3
DAYBREAK (AH2)	5.0	7.0	7.7	6.0	6.0	6.3	6.0	6.0	5.3	6.0	6	7.0	7.0	7.3	6.3
DLFPS-321/3707	6.0	7.0	6.3	6.3	6.0	5.7	6.3	5.7	5.7	6.0	6	6.7	7.7	6.7	6.3
DLFPS-TF/3553	6.3	5.3	8.3	5.3	6.7	6.7	5.3	6.3	5.3	6.7	6	6.3	7.0	7.7	6.3
ENDGAME (3N1)	6.0	6.7	7.7	6.0	6.3	6.3	6.0	6.3	5.0	6.3	6	6.7	6.7	7.3	6.3
ESCALADE	4.3	6.3	9.0	5.7	6.0	6.7	5.7	5.0	5.7	6.0	6	7.0	7.3	7.7	6.3
EXTRAVAGANZA (PST-5MCMO)	6.0	5.7	7.7	5.3	6.7	6.3	5.3	6.0	5.3	6.7	6	6.3	7.3	7.3	6.3
GALACTIC (SESCR1)	6.0	6.0	6.7	6.0	6.3	6.0	6.0	5.7	5.7	6.3	6	6.7	7.0	7.0	6.3
GALLARDO (DLFPS-TF/3550)	6.0	6.3	7.7	6.0	5.7	6.3	6.0	6.3	5.7	6.0	6	6.7	6.7	7.3	6.3
K18-RS6	5.3	7.0	8.0	6.0	6.0	6.3	6.0	5.7	5.7	6.0	6	6.7	6.7	7.3	6.3
KIZZLE (K18-ROE)	6.0	7.3	8.3	5.7	5.3	5.7	5.7	6.3	6.3	5.7	6	6.7	6.7	6.7	6.3
LBF	6.0	4.7	8.7	5.3	6.7	6.3	5.3	6.0	5.3	6.7	6	6.7	7.0	7.3	6.3
LIFEGUARD	5.7	5.3	8.0	5.7	6.0	6.0	5.7	5.7	6.0	6.3	6	7.0	7.3	6.7	6.3
MONUMENT (PST-5SQB)	6.0	5.3	6.7	6.0	6.0	6.3	6.0	5.7	5.3	6.0	6	6.3	7.3	7.3	6.3
OKEEFE (LTP-TF-122)	5.7	5.3	8.7	5.3	5.7	6.7	5.3	6.7	5.7	5.7	6	6.7	7.0	7.7	6.3
PPG-TF 231	5.0	5.0	7.7	6.0	5.7	5.7	6.0	6.0	6.0	5.7	6	7.0	7.0	6.3	6.3
PPG-TF 249	6.0	6.0	8.0	6.0	5.7	6.3	6.0	6.0	5.7	6.0	6	7.0	7.0	7.0	6.3
PPG-TF 312	4.7	7.3	7.7	5.7	6.0	6.7	5.7	5.3	5.3	6.0	6	7.0	7.0	7.7	6.3
PST-5DC24	7.0	3.7	7.3	5.3	6.7	6.7	5.3	6.0	5.0	6.7	6	6.7	7.0	7.7	6.3
RACEWAY (DLFPS-321/3696)	5.0	5.0	7.7	6.0	6.3	6.7	6.0	6.3	4.7	6.3	6	6.7	7.0	7.7	6.3
RAD-TF105	6.0	5.0	6.7	5.7	6.0	6.3	5.7	5.7	6.0	6.3	6	6.3	7.0	7.0	6.3
ROVER (PPG-TF 306)	5.3	4.3	7.3	5.7	6.0	6.0	5.7	6.0	5.3	6.0	6	7.0	7.0	7.0	6.3
SOUTHSIDE (PPG-TF 267)	6.0	4.3	7.0	5.7	5.7	5.7	5.7	6.7	6.7	5.7	6	6.3	7.0	6.7	6.3
TITAN MAX (TF456)	5.7	5.3	9.0	5.3	6.0	5.7	5.3	5.7	6.0	6.0	6	7.0	7.7	6.7	6.3
TOUGH (NAI-TUE)	5.7	4.7	7.3	5.3	6.3	5.7	5.3	6.0	5.7	6.3	6	7.0	7.0	6.7	6.3
BARNOBLE (BAR 9FE MAS)	6.3	6.3	6.7	6.3	5.7	6.7	6.3	5.7	4.7	6.0	6	6.3	7.0	7.7	6.2
DLFPS-321/3693	5.7	5.3	9.0	5.0	6.7	6.0	5.0	6.0	5.0	6.7	6	7.0	7.0	7.0	6.2
FAIRFIELD (SETF104)	5.7	4.3	7.7	5.7	5.7	6.0	5.7	5.3	5.3	6.0	6	7.0	7.0	7.0	6.2
HOUND DOG NINE (DLFPS-321/3702)	6.7	6.0	8.0	5.7	6.0	5.7	5.7	6.0	5.3	6.3	6	6.7	7.0	6.7	6.2
SETFM2	7.0	4.7	8.0	5.7	5.7	5.7	5.7	6.0	6.0	5.7	6	7.0	7.3	6.0	6.2
TALLADEGA II (NAI-3N2)	5.0	5.7	8.0	5.7	5.7	5.7	5.7	6.3	5.0	6.0	6	7.0	6.7	6.7	6.2
TITAN GLX (TF445)	4.7	5.3	8.7	5.7	6.0	6.0	5.7	6.0	5.3	6.0	6	6.7	7.0	7.0	6.2
HELLCAT GLR (PST-5E6)	4.3	5.7	7.7	5.0	5.7	6.7	5.0	5.3	5.0	6.0	6	7.0	7.0	7.7	6.1
KENTUCKY-31	4.3	6.3	8.0	5.7	6.0	5.7	5.7	6.0	5.0	6.0	6	6.7	7.0	6.7	6.1
RDC	5.3	5.7	8.0	5.3	6.0	5.0	5.3	6.3	5.3	6.0	6	6.7	7.0	6.0	6.1
LSD VALUE	3.4	2.4	4.1	3.1	3.2	4.1	3.1	2.1	3.4	3.3	0	1.9	3.3	4.2	0.9
C.V. (%)	16.9	20.6	14.8	11.0	10.7	12.6	11.0	9.1	12.9	8.8	0	6.4	8.8	11.2	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 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RC4	86.3	98.0	92.7	90.0	92.0	74.7
FAYETTE	85.0	97.7	93.7	90.3	88.7	77.0
HEMI	81.0	97.0	87.7	90.3	92.3	76.0
A-TF31	78.0	96.7	81.3	86.7	91.3	70.0
BANDIT	86.0	97.3	87.3	79.7	87.3	68.0
BONFIRE (JS DTT)	74.0	97.0	92.7	91.3	89.0	79.3
CLASH (AH1)	91.7	97.3	93.0	86.3	94.7	81.3
DLFPS-321/3703	81.3	97.0	87.7	84.3	80.3	72.0
DRAGSTER	88.0	98.7	91.7	87.3	95.0	77.0
GLX ACED (PST-5DART)	84.3	96.3	92.7	83.7	89.7	73.0
GLX REVIVE (PST-5GLBS)	79.3	96.3	84.7	86.3	88.0	74.3
K18-WB1	87.3	97.7	85.0	86.7	87.7	75.3
MOONDANCE GLX	83.7	95.7	95.3	87.0	90.7	76.3
PPG-TF 316	81.3	97.3	93.7	86.7	93.3	74.0
RAPTOR LS (PPG-TF 336)	77.0	97.0	91.3	89.0	92.3	76.7
STEALTH (PPG-TF 238)	84.7	98.3	95.7	92.0	93.3	76.3
TITANIUM G-LS (PPG-TF 255)	78.7	97.7	88.3	90.3	90.3	78.0
ZION (BAR TF 134)	91.7	96.7	95.3	84.3	91.0	74.0
5LSS	86.3	97.3	93.0	86.3	93.3	80.3
ATF1768	81.7	97.0	83.3	85.7	82.3	68.0
BRAVO 2	74.3	93.3	82.7	81.3	85.3	68.0
BULLSEYE	81.7	98.3	83.3	92.0	94.0	86.3
BULLSEYE LTZ	82.0	97.3	88.7	85.3	92.0	74.3
COPIOUS TF	81.7	97.3	85.3	82.3	88.7	76.7
DEGAS (LTP-TF-111)	89.3	97.3	88.0	82.0	81.7	66.7
DLFPS-321/3695	87.3	97.0	87.7	86.7	89.0	75.7
DLFPS-321/3706	88.0	93.0	86.3	81.3	85.0	75.3
DYNAMITE G-LS (PPG-TF 254)	79.3	96.7	87.3	87.7	92.3	75.3
FASTLANE (BY-TF-169)	85.3	96.3	95.0	86.7	88.0	76.3
FIRECRACKER G-LS (PPG-TF 315)	76.7	97.0	90.0	84.3	92.0	74.0
FIREHAWK SLT	85.3	97.3	92.0	87.3	94.0	78.0
FIRENZA II (PPG-TF 244)	87.0	97.7	92.0	84.3	91.3	78.0
GRANDE 3	75.7	97.7	87.7	89.7	85.0	76.3
JT 233	79.7	95.3	88.3	78.0	88.0	59.7
LAFAYETTE (GO-AOMK)	69.3	97.0	84.0	70.0	79.3	66.0
OG-WALK	78.7	97.3	72.0	91.0	91.0	78.3
ORIOLE (PST-5BYOB)	74.0	97.0	93.0	83.7	88.3	78.3
PADRE 2	88.0	97.0	81.7	84.3	93.3	80.0
PALOMAR	79.7	96.0	79.7	87.7	95.7	83.7
PARAMOUNT	75.7	95.7	87.0	89.7	83.7	71.7
PPG-TF 337	79.3	98.3	92.3	88.3	90.3	78.3
PRO GOLD	83.7	98.7	89.0	82.0	81.3	70.7
PST-5TRN	83.0	97.0	81.0	81.7	88.7	77.0
RAD-TF115 (TURBO SS)	73.3	97.3	80.7	84.3	87.0	66.0
RAPTOR III	79.0	97.0	91.3	86.7	88.7	71.3
RHF	80.3	98.3	96.0	85.0	88.3	69.7
RS1	81.0	95.7	89.0	85.3	84.0	74.3

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
SE5STAR	76.3	97.7	84.7	82.7	84.0	71.7
SETFM3	73.3	97.0	91.3	88.0	90.3	67.0
SPYDER 2LS (ZRC1)	92.3	97.7	91.3	91.3	94.7	80.0
SYMPHONY (PPG-TF 305)	83.7	96.7	93.3	87.7	91.7	72.7
TANK (PPG-TF 338)	74.0	97.3	90.0	91.0	90.3	70.7
TEACHER (PPG-TF 313)	84.7	98.3	89.0	86.0	92.0	75.3
TOPSHELF (BGR-TF3)	88.0	96.0	81.7	79.7	86.3	64.0
TRIAD (PPG-TF 323)	77.3	97.3	85.7	73.3	88.7	71.3
VALSETZ (PPG-TF 257)	85.7	99.0	88.3	86.7	94.7	79.0
AST8118LM	71.7	97.7	64.0	74.3	89.7	70.0
AST8218LM	72.3	95.7	78.3	87.3	93.0	74.3
ATF2116	67.7	96.3	83.0	75.3	74.0	62.0
AVENGER III (PPG-TF 308)	86.0	98.7	92.0	92.0	93.0	82.0
BATTLE HAWK (NAI-ROS4)	81.3	97.7	78.7	91.3	93.7	81.7
BIRMINGHAM	78.7	93.7	71.0	79.0	92.3	72.0
BLADERUNNER 3 (DLFPS-321/3701)	84.0	97.3	91.3	80.0	88.7	72.7
DLFPS-321/3694	81.3	94.3	85.0	79.3	86.7	78.0
DLFPS-321/3708	75.7	95.7	83.0	81.0	85.3	65.3
ESSENTIAL 2 (DLFPS-TF/3552)	80.3	95.3	84.3	81.3	90.0	77.3
ESTRENA	80.0	96.3	88.3	90.7	94.0	81.0
EXPANSE (PPG-TF 262)	83.0	95.0	93.7	81.0	90.0	71.7
FALCON SUPREME (RH1)	88.7	98.3	85.3	87.3	90.3	79.0
FINELAWN SUPREME (RH3)	86.3	97.7	95.3	89.7	88.3	77.7
GRAND PRIX (FC15-01P)	72.0	97.0	71.7	85.0	90.3	78.0
GRO-PRO (SE53D2)	76.0	98.3	87.0	84.0	88.0	71.0
JT 517	76.0	96.3	88.3	87.0	91.0	68.0
K18-NSE	91.7	98.3	84.7	87.7	93.0	85.7
NAI-FQZ-17	70.3	92.3	85.0	76.7	89.0	75.7
NAI-ST5	77.0	96.0	84.3	91.0	94.3	79.3
NATURALLY GREEN	73.0	96.0	73.3	84.3	87.0	68.7
NT-3	79.0	95.0	88.3	88.0	80.3	63.3
PPG-TF 318	82.0	96.3	89.7	87.0	87.3	72.7
PROVIDENCE (GO-RH20)	87.3	94.7	87.3	88.0	93.7	79.3
PST-5DZM	77.3	97.3	91.7	79.7	84.0	69.3
PST-5GQ	77.3	97.3	88.7	81.7	87.7	76.7
PST-5MINK	70.3	94.3	83.3	89.3	90.7	68.0
PST-5THM	76.3	95.7	83.0	87.0	86.7	76.0
RAD-TF131	72.3	96.7	77.0	81.7	89.7	72.7
RHL2	80.3	97.0	94.3	87.3	86.7	68.0
ROWDIER (DLFPS-321/3699)	62.0	95.7	91.3	89.7	87.3	73.7
SERENADE (PPG-TF 320)	78.0	98.7	90.3	81.0	90.3	74.7
SR 8700 (TMT1)	67.3	94.7	89.0	82.7	82.7	70.3
TANGO	79.0	95.3	86.7	80.3	85.3	78.7
TD2	73.7	95.3	93.0	85.7	83.0	70.0
XANADU (JT 268)	74.7	98.0	90.3	80.3	83.7	67.0

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
3B2	76.3	95.0	92.7	86.0	93.3	76.0
BAR FA 8228	76.0	95.0	71.0	78.7	77.3	63.0
BAR-FA8230	75.7	97.3	88.3	83.7	89.0	77.0
BENTLEY (DLFPS-321/3679)	72.0	98.0	84.7	77.0	80.7	72.7
CAPITAN (DLFPS-321/3705)	85.7	98.0	90.7	81.0	86.0	72.0
COL-TF-148	82.0	94.7	92.0	85.7	82.3	69.3
DAYBREAK (AH2)	87.7	97.0	92.0	88.3	92.7	80.3
DLFPS-321/3707	87.0	96.0	83.0	83.7	86.0	72.0
DLFPS-TF/3553	76.3	95.7	85.0	83.0	82.0	72.3
ENDGAME (3N1)	84.3	98.0	78.0	77.7	91.3	73.0
ESCALADE	83.3	90.3	87.7	82.3	89.7	70.7
EXTRAVAGANZA (PST-5MCMO)	78.0	97.0	85.0	78.0	81.7	69.0
GALACTIC (SESCR1)	81.3	95.0	89.0	93.0	94.0	78.3
GALLARDO (DLFPS-TF/3550)	84.0	96.7	84.0	84.3	89.0	70.0
K18-RS6	86.0	94.3	91.7	82.3	90.0	73.3
KIZZLE (K18-ROE)	87.7	95.3	90.3	87.0	89.3	73.0
LBF	73.0	97.0	83.0	73.7	83.0	64.3
LIFEGUARD	76.0	96.0	88.3	85.7	90.3	72.7
MONUMENT (PST-5SQB)	75.7	94.3	88.0	87.7	92.3	77.3
OKEEFE (LTP-TF-122)	77.3	98.3	89.7	88.7	83.3	73.0
PPG-TF 231	74.3	98.3	85.3	90.0	85.3	70.3
PPG-TF 249	83.3	97.0	93.0	85.7	92.7	73.3
PPG-TF 312	89.3	97.0	94.3	89.3	94.7	81.3
PST-5DC24	66.3	95.3	76.7	75.3	81.7	67.3
RACEWAY (DLFPS-321/3696)	75.0	98.3	80.0	79.0	90.0	71.0
RAD-TF105	72.7	95.0	89.0	90.7	90.7	71.7
ROVER (PPG-TF 306)	71.0	96.7	95.0	87.3	91.0	70.3
SOUTHSIDE (PPG-TF 267)	71.3	97.3	92.3	89.7	92.3	78.3
TITAN MAX (TF456)	76.3	97.0	78.7	89.3	91.3	78.0
TOUGH (NAI-TUE)	71.7	97.7	87.7	87.0	89.0	76.3
BARNOBLE (BAR 9FE MAS)	83.3	93.0	84.0	79.3	88.7	72.7
DLFPS-321/3693	76.7	96.7	85.3	87.3	89.7	66.3
FAIRFIELD (SETF104)	68.7	94.0	75.3	83.0	86.0	71.7
HOUNDG NINE (DLFPS-321/3702)	79.3	96.3	88.3	78.0	82.0	63.3
SETFM2	72.0	95.3	92.7	85.0	87.3	66.7
TALLADEGA II (NAI-3N2)	77.3	97.3	89.3	91.7	88.0	78.0
TITAN GLX (TF445)	75.7	97.7	75.3	89.7	91.7	78.0
HELLCAT GLR (PST-5E6)	79.0	96.3	79.3	79.7	86.0	71.0
KENTUCKY-31	82.3	95.0	89.0	88.7	94.0	87.7
RDC	78.3	96.0	88.7	87.0	86.7	70.7
LSD VALUE	14.9	8.8	18.3	20.9	39.9	19.3
C.V. (%)	9.3	2.4	9.2	8.2	8.6	10.0

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

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

TABLE 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2023 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DRAGSTER	6.0	5.0	5.7	5.7	6.3	6.3	6.7	6.3	6.3	6.0	5.7	6.2
PRO GOLD	5.3	5.0	4.7	6.7	6.7	6.0	6.0	6.0	6.0	6.7	5.3	6.2
TRIAD (PPG-TF 323)	5.0	5.3	5.7	6.0	6.3	6.0	6.0	6.7	6.7	6.3	5.3	6.2
BONFIRE (JS DTT)	4.7	4.7	5.0	6.0	6.0	6.0	6.0	6.3	6.7	6.7	5.3	6.1
K18-RS6	5.3	5.3	5.7	6.3	5.7	6.0	6.3	6.7	6.3	6.3	5.0	6.1
ROVER (PPG-TF 306)	5.3	5.3	5.3	6.0	7.0	6.3	5.7	5.7	6.3	6.0	5.7	6.1
SPYDER 2LS (ZRC1)	6.3	5.7	6.0	6.0	6.7	5.7	5.3	6.7	6.3	6.3	6.0	6.1
BENTLEY (DLFPS-321/3679)	5.0	4.3	4.0	6.3	6.3	6.3	5.7	6.3	5.7	6.0	5.7	6.0
DAYBREAK (AH2)	6.0	5.3	6.0	6.7	5.7	6.0	6.0	6.3	5.7	6.0	6.0	6.0
FINELAWN SUPREME (RH3)	4.7	5.7	5.7	6.0	6.0	5.7	6.0	6.7	6.0	5.7	5.7	6.0
PPG-TF 316	5.7	4.7	5.0	5.7	6.3	6.0	5.3	6.3	6.3	6.3	5.7	6.0
PROVIDENCE (GO-RH20)	5.3	4.7	5.3	5.3	6.3	6.3	6.7	6.0	6.0	6.3	5.3	6.0
TALLADEGA II (NAI-3N2)	5.0	5.0	5.3	6.3	6.0	5.7	5.3	6.3	6.0	6.3	5.7	6.0
GLX REVIVE (PST-5GLBS)	5.0	5.0	5.3	6.0	5.7	5.7	5.7	5.7	6.3	6.3	6.0	5.9
HEMI	4.7	4.3	5.0	6.7	6.3	5.7	6.3	5.7	6.0	5.3	5.3	5.9
PARAMOUNT	4.3	4.3	5.0	5.7	6.7	6.0	5.7	6.0	6.0	5.7	5.3	5.9
PPG-TF 231	5.7	5.7	5.0	5.7	6.0	5.3	5.0	6.3	6.3	6.7	5.7	5.9
BATTLE HAWK (NAI-ROS4)	5.0	5.0	5.7	5.7	6.3	5.7	5.7	6.0	6.0	5.7	5.3	5.8
DEGAS (LTP-TF-111)	4.7	5.0	4.7	5.7	6.0	5.3	6.7	5.7	6.7	5.3	5.0	5.8
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	4.3	5.0	6.0	6.0	6.0	6.0	6.0	5.3	5.7	5.7	5.8
EXPANSE (PPG-TF 262)	5.0	3.7	4.7	5.0	5.7	5.3	5.7	6.7	6.3	6.7	5.0	5.8
FALCON SUPREME (RH1)	4.3	4.0	4.3	6.0	6.0	5.7	5.7	5.7	5.3	5.7	6.0	5.8
GLX ACED (PST-5DART)	5.3	5.7	5.7	6.3	6.0	5.3	5.7	6.0	5.7	5.7	5.3	5.8
OKEEFE (LTP-TF-122)	4.0	5.0	5.3	5.3	6.0	5.7	6.0	5.7	6.3	5.3	5.7	5.8
PPG-TF 249	5.7	5.7	5.3	6.0	6.0	6.3	5.7	6.0	5.7	5.7	5.3	5.8
PPG-TF 318	5.3	4.7	5.0	6.7	6.0	5.3	6.0	5.7	5.7	5.3	6.0	5.8
RACEWAY (DLFPS-321/3696)	6.0	5.3	5.3	6.3	6.3	5.7	6.0	6.0	5.7	5.7	5.0	5.8
RAPTOR LS (PPG-TF 336)	5.3	5.3	5.7	5.7	5.7	5.7	5.3	6.0	7.0	5.7	5.3	5.8
RC4	4.7	4.3	5.3	5.0	5.7	5.0	5.7	6.7	6.3	6.3	5.7	5.8
SOUTHSIDE(PPG-TF 267)	6.7	5.7	5.3	5.7	6.3	5.3	5.3	6.7	5.7	5.7	5.3	5.8
SR 8700 (TMT1)	6.3	5.3	5.7	6.0	6.0	5.7	5.7	5.7	5.7	6.0	5.7	5.8
STEALTH (PPG-TF 238)	5.3	5.0	5.7	6.3	6.3	5.3	5.3	5.7	6.0	6.0	5.7	5.8
XANADU (JT 268)	5.3	5.0	5.3	6.0	6.3	5.7	6.0	5.7	5.3	5.3	5.7	5.8
BLADERUNNER 3 (DLFPS-321/3701)	6.0	5.0	5.0	5.3	5.3	5.3	5.0	6.3	6.0	6.3	5.7	5.7
CLASH (AH1)	5.7	6.0	6.3	5.3	5.3	5.7	5.3	6.3	5.3	6.3	6.0	5.7
DYNAMITE G-LS (PPG-TF 254)	5.7	5.3	5.7	6.3	5.7	5.7	5.7	5.7	5.3	5.3	5.7	5.7
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.3	5.0	6.0	6.3	6.0	5.7	5.3	5.3	5.3	5.3	5.7
JT 233	5.3	5.0	5.7	6.0	5.3	5.3	6.0	6.3	5.3	5.7	5.3	5.7
NT-3	6.0	4.7	5.0	5.3	6.3	6.3	5.3	5.7	5.3	5.3	5.7	5.7
PST-5MINK	5.0	4.7	4.7	6.7	5.7	5.7	5.7	5.7	5.7	5.7	4.7	5.7
RAPTOR III	5.7	5.3	5.3	6.0	5.3	5.3	6.0	5.3	6.0	6.0	5.3	5.7
RDC	4.7	4.0	4.7	6.0	5.7	5.7	5.7	6.0	5.3	5.3	6.0	5.7
RHL2	6.3	4.7	4.7	5.3	6.0	5.3	5.0	6.0	6.0	6.3	5.3	5.7
ROWDIER (DLFPS-321/3699)	4.7	4.7	4.3	5.7	6.3	5.3	5.3	5.7	6.0	5.7	5.7	5.7
SERENADE (PPG-TF 320)	4.3	5.0	5.3	5.3	6.0	5.7	5.3	6.0	5.7	5.7	6.0	5.7

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2023 DATA

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

NAME	MAY	WEAR TOLERANCE		QUALITY RATINGS									MEAN
		JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
TITAN GLX (TF445)	5.3	5.0	4.7	5.7	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.7	
TITAN MAX (TF456)	4.3	4.7	5.0	5.3	5.7	5.3	5.7	6.3	6.0	6.0	5.3	5.7	
3B2	4.0	4.3	4.3	5.3	6.0	6.0	5.7	5.3	6.0	5.7	5.0	5.6	
5LSS	4.7	4.7	4.3	5.0	5.7	5.7	5.3	6.0	6.3	5.7	5.0	5.6	
BULLSEYE	4.7	5.0	4.7	5.3	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.6	
BULLSEYE LTZ	5.3	4.0	5.0	6.0	6.0	5.3	5.3	6.0	5.0	5.3	5.7	5.6	
CAPITAN (DLFPS-321/3705)	5.0	5.3	5.0	6.0	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.6	
COL-TF-148	5.0	5.3	5.3	5.7	5.7	5.7	5.3	5.7	6.3	5.7	5.0	5.6	
DLFPS-321/3694	4.7	5.3	5.7	5.0	5.3	5.3	4.7	5.7	6.7	6.3	5.7	5.6	
DLFPS-321/3703	5.0	4.3	5.0	5.3	5.3	5.3	5.3	6.0	6.0	6.0	5.7	5.6	
DLFPS-TF/3553	4.7	5.3	5.3	5.0	5.7	5.3	5.3	6.3	5.7	6.0	5.3	5.6	
HOUND OG NINE (DLFPS-321/3702)	5.7	5.0	5.0	5.3	6.0	6.0	5.3	5.3	5.7	5.7	5.3	5.6	
ORIOLE (PST-5BYOB)	5.7	6.0	5.3	6.0	5.3	5.0	5.3	5.7	6.0	5.7	5.7	5.6	
RAD-TF105	4.0	4.7	5.0	5.0	5.7	5.7	5.7	6.0	6.0	5.7	5.3	5.6	
RS1	5.3	6.3	5.7	5.7	6.3	6.3	5.3	5.3	5.3	5.3	5.3	5.6	
TANK (PPG-TF 338)	4.7	5.3	5.7	5.3	5.0	5.3	5.3	6.0	6.7	6.0	5.3	5.6	
TEACHER (PPG-TF 313)	5.3	5.3	4.3	6.0	5.3	5.0	5.0	5.7	6.3	6.0	5.7	5.6	
ATF1768	5.3	5.0	4.0	5.7	5.3	5.3	5.3	5.7	5.7	6.0	5.3	5.5	
DLFPS-321/3707	5.0	4.7	5.0	6.0	5.7	5.0	5.3	5.3	5.3	5.3	5.7	5.5	
ESTRENA	5.0	3.7	4.0	6.0	5.3	5.3	5.3	6.0	5.7	5.7	5.0	5.5	
FIREHAWK SLT	4.3	4.7	5.3	5.0	5.3	5.0	4.7	5.3	6.3	6.7	5.3	5.5	
FIRENZA II (PPG-TF 244)	5.3	5.3	5.3	5.7	5.3	5.3	5.3	6.0	6.0	5.3	5.3	5.5	
GALACTIC (SESCR1)	5.7	5.3	5.7	5.3	5.0	5.3	5.0	5.7	6.3	6.0	5.3	5.5	
GRANDE 3	4.7	4.3	4.7	5.0	5.3	5.3	5.3	5.7	5.7	6.0	5.3	5.5	
K18-NSE	4.7	4.3	5.0	5.0	5.3	5.3	5.0	6.0	6.3	6.3	5.0	5.5	
K18-WB1	6.0	6.0	5.7	5.0	5.3	5.0	5.3	5.7	6.0	6.0	6.0	5.5	
LIFEGUARD	5.7	5.0	5.0	6.0	5.7	5.3	5.7	5.3	5.7	5.7	5.0	5.5	
PPG-TF 337	5.0	5.3	5.0	5.7	5.7	5.0	5.3	5.7	5.7	5.7	5.3	5.5	
PST-5DZM	5.3	5.3	4.7	5.3	5.7	5.3	5.0	6.0	5.7	5.7	5.3	5.5	
PST-5GQ	5.0	4.7	4.7	5.7	5.3	5.7	5.7	5.3	5.3	6.0	5.0	5.5	
SYMPHONY (PPG-TF 305)	4.3	4.3	4.3	5.7	6.3	5.3	5.3	5.3	5.3	5.3	5.7	5.5	
TD2	4.7	5.0	5.7	5.3	6.0	5.7	5.0	5.3	5.3	5.3	5.7	5.5	
TITANIUM G-LS (PPG-TF 255)	4.7	5.0	4.7	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.5	
VALSETZ (PPG-TF 257)	5.0	4.3	4.7	5.7	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.5	
GRO-PRO (SE53D2)	5.0	4.7	4.7	5.3	5.3	5.0	5.0	5.3	6.3	5.7	5.3	5.4	
HELLCAT GLR (PST-5E6)	4.7	4.3	5.3	5.0	6.0	5.3	5.3	5.3	5.7	5.3	5.0	5.4	
MOONDANCE GLX	4.7	4.0	4.7	6.0	6.0	5.7	5.0	5.0	5.0	5.3	5.3	5.4	
TOUGH (NAI-TUE)	5.3	4.7	4.7	5.3	5.3	5.0	5.3	5.7	5.7	5.3	5.7	5.4	
AVENGER III (PPG-TF 308)	5.0	4.7	5.0	5.3	5.7	5.3	5.0	5.3	5.7	5.3	5.0	5.3	
KIZZLE (K18-ROE)	5.0	4.7	4.7	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.7	5.3	
NAI-ST5	5.0	5.0	5.0	5.3	5.0	5.0	5.3	5.7	5.3	5.3	5.3	5.3	
PADRE 2	5.3	5.3	5.3	5.3	6.0	5.3	5.3	5.0	5.0	5.3	5.3	5.3	
RHF	4.7	4.3	5.0	5.3	5.3	5.0	5.3	6.3	5.0	5.0	4.7	5.3	
SESSTAR	6.0	5.3	6.3	5.0	5.0	5.0	5.3	5.7	5.7	5.7	5.0	5.3	
ZION (BAR TF 134)	5.0	4.7	4.3	5.7	5.0	5.3	5.3	5.7	5.3	5.3	5.0	5.3	
ESCALADE	5.7	5.3	5.3	5.7	5.0	4.7	5.7	4.7	5.0	5.3	5.7	5.2	

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2023 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
EXTRAVAGANZA (PST-5MCMO)	5.0	4.3	4.0	5.3	5.0	5.3	5.0	5.0	5.3	5.3	5.0	5.2
FAIRFIELD (SETF104)	5.3	4.7	4.7	5.0	5.3	4.7	5.0	5.7	5.7	5.3	5.0	5.2
FAYETTE	6.3	5.3	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.0	5.3	5.2
JT 517	4.3	5.0	4.3	4.7	5.3	5.7	5.3	5.7	4.7	4.7	5.3	5.2
MONUMENT (PST-5SQB)	4.7	5.3	5.0	5.0	5.3	5.3	5.0	5.3	5.3	5.3	5.0	5.2
NATURALLY GREEN	5.3	5.0	5.3	5.0	5.0	5.0	4.7	5.7	5.3	5.3	5.7	5.2
PPG-TF 312	4.7	4.7	4.3	4.7	5.0	5.3	5.0	5.3	5.7	5.7	4.7	5.2
PST-5DC24	5.3	4.7	4.7	5.3	5.3	5.0	5.0	5.3	5.0	5.3	5.3	5.2
A-TF31	5.3	5.0	5.7	4.7	5.3	4.7	5.0	4.7	5.0	5.7	5.7	5.1
BANDIT	6.3	5.7	6.0	4.7	5.0	5.0	4.7	5.0	5.3	5.3	5.7	5.1
COPIOUS TF	5.0	4.3	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.3	5.1
DLFPS-321/3693	4.7	4.3	5.0	4.7	5.0	5.3	4.3	5.7	5.3	5.0	5.3	5.1
DLFPS-321/3695	5.0	4.7	4.3	5.0	5.0	5.3	4.7	5.0	5.3	5.3	5.3	5.1
DLFPS-321/3706	5.0	4.3	4.7	4.7	5.0	5.3	5.0	5.0	5.7	5.0	5.3	5.1
DLFPS-321/3708	5.0	5.0	5.0	5.0	5.0	5.0	5.7	5.0	4.7	5.0	5.7	5.1
FASTLANE (BY-TF-169)	5.3	5.3	5.3	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.3	5.1
GALLARDO (DLFPS-TF/3550)	5.3	4.7	5.0	4.7	5.0	4.7	5.3	5.0	5.7	5.3	5.3	5.1
LAFAYETTE (GO-AOMK)	4.7	4.3	4.7	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.7	5.1
PST-5THM	4.3	5.0	4.0	5.3	5.3	5.0	4.7	5.0	5.7	5.0	5.0	5.1
RAD-TF131	5.0	4.3	4.7	4.7	5.0	5.3	5.0	5.3	5.0	5.3	5.0	5.1
SETFM2	5.3	5.7	5.7	5.0	5.3	5.0	4.7	5.3	5.3	4.7	5.3	5.1
TANGO	4.7	4.3	4.0	5.0	5.7	5.0	4.3	5.0	5.3	5.3	5.3	5.1
TOPSHELF (BGR-TF3)	6.0	5.7	5.3	4.7	5.3	5.0	5.0	5.3	5.0	5.0	5.7	5.1
AST8118LM	6.0	4.7	4.3	5.0	5.7	5.0	5.0	5.0	4.7	4.7	5.3	5.0
BAR-FA8230	5.3	5.7	4.3	4.7	5.3	5.0	5.0	4.3	5.3	5.3	5.0	5.0
BIRMINGHAM	4.3	4.7	5.0	5.0	5.0	4.7	4.7	5.0	5.0	5.0	5.7	5.0
BRAVO 2	5.0	5.3	4.3	4.7	5.0	4.7	4.7	5.0	5.3	5.3	5.3	5.0
ENDGAME (3N1)	6.0	5.3	5.0	4.7	5.0	4.7	4.7	5.7	5.3	5.3	5.0	5.0
GRAND PRIX (FC15-01P)	6.3	5.0	4.7	5.0	5.0	5.0	5.0	4.7	5.0	5.0	5.7	5.0
NAI-FQZ-17	5.3	4.3	4.7	4.7	5.0	4.7	5.3	5.0	5.0	5.0	5.0	5.0
SETFM3	5.0	5.3	4.7	4.7	5.0	4.7	4.7	5.0	5.7	5.0	5.7	5.0
AST8218LM	6.3	5.0	4.3	5.0	5.7	4.7	4.7	4.7	4.7	5.0	4.7	4.9
ATF2116	5.3	4.7	4.7	4.7	4.7	5.0	4.3	5.0	5.7	5.0	5.0	4.9
LBF	5.3	5.0	5.0	4.7	5.7	4.7	4.7	4.7	4.7	4.7	5.7	4.9
RAD-TF115 (TURBO SS)	5.3	5.0	5.0	4.3	5.3	5.0	5.0	5.0	5.0	4.7	5.0	4.9
BAR FA 8228	4.3	4.3	4.0	4.7	5.0	4.7	4.7	4.7	4.3	5.0	5.0	4.8
PALOMAR	5.3	5.3	4.0	5.0	5.3	4.3	4.7	4.3	4.7	5.0	4.3	4.7
PST-5TRN	5.3	5.3	4.7	4.3	4.7	4.7	4.7	5.0	5.0	4.7	4.7	4.7
OG-WALK	5.3	5.3	4.3	4.0	4.7	4.7	4.0	4.3	4.3	4.3	4.3	4.3
BARNOBLE (BAR 9FE MAS)	4.7	4.0	3.7	4.0	4.3	4.3	3.7	4.3	4.0	4.0	4.0	4.1
KENTUCKY-31	3.0	3.3	3.0	2.0	2.3	2.0	2.0	3.3	2.3	2.0	2.3	2.3
LSD VALUE	1.3	1.3	1.0	1.1	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.6
C.V. (%)	13.1	13.2	11.6	11.7	9.7	10.2	10.0	9.7	10.6	9.7	9.1	6.4

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

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

TABLE 13A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY MAY 3		FULLNESS OF CANOPY MAY 3		BLUEGRASS COVER MAY 16		UNIFORMITY JUNE 29		FULLNESS OF CANOPY JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FINELAWN SUPREME (RH3)	9.0	8.3	99.0	85.0	0.0	15.0	9.0	7.3	97.7	80.0
SOUTHSIDE (PPG-TF 267)	9.0	8.0	99.0	81.7	1.7	18.3	9.0	7.3	99.0	76.7
GALLARDO (DLFPS-TF/3550)	9.0	6.0	99.0	71.7	0.0	25.0	9.0	7.0	99.0	75.0
PPG-TF 231	8.3	5.7	93.0	71.7	1.7	21.7	7.3	6.7	97.7	75.0
BULLSEYE LTZ	9.0	6.7	96.3	75.0	1.7	16.7	9.0	6.7	99.0	73.3
TD2	8.7	6.7	97.7	75.0	0.0	25.0	9.0	6.3	99.0	73.3
SPYDER 2LS (ZRC1)	8.7	5.7	96.3	58.3	0.0	38.3	9.0	6.3	99.0	71.7
ESSENTIAL 2 (DLFPS-TF/3552)	8.7	6.3	88.3	71.7	1.7	20.0	9.0	6.3	96.3	70.0
JT 233	9.0	7.7	99.0	78.3	0.0	16.7	9.0	6.3	99.0	70.0
K18-WB1	9.0	7.0	93.0	73.3	1.7	25.0	9.0	6.3	99.0	70.0
PPG-TF 249	9.0	6.7	96.0	70.0	1.7	25.0	9.0	6.0	97.7	70.0
PST-5GQ	8.7	7.0	96.0	70.0	0.0	23.3	9.0	6.3	96.0	70.0
RHL2	8.3	4.0	93.3	55.0	1.7	25.0	8.7	5.3	96.0	70.0
ROVER (PPG-TF 306)	8.7	6.0	99.0	63.3	0.0	25.0	9.0	6.0	99.0	70.0
HEMI	8.7	6.7	94.7	71.3	0.0	20.0	8.7	6.0	96.3	68.3
HOUNDOG NINE (DLFPS-321/3702)	8.3	4.7	89.7	51.7	3.3	28.3	9.0	6.0	94.7	68.3
PPG-TF 337	8.7	5.3	97.7	60.0	1.7	35.0	9.0	5.3	99.0	68.3
TITANIUM G-LS (PPG-TF 255)	9.0	5.3	97.7	63.3	1.7	31.7	9.0	5.7	97.7	68.3
AST8118LM	9.0	6.0	94.7	73.3	0.0	21.7	9.0	6.0	96.3	66.7
ENDGAME (3N1)	9.0	6.0	96.0	65.0	1.7	26.7	9.0	5.7	97.7	66.7
FALCON SUPREME (RH1)	9.0	6.0	99.0	68.3	0.0	28.3	9.0	6.7	96.3	66.7
FAYETTE	9.0	5.7	97.7	61.7	1.7	23.3	9.0	6.0	96.3	66.7
FIRECRACKER G-LS (PPG-TF 315)	8.7	5.0	91.3	58.3	6.7	28.3	9.0	6.3	99.0	66.7
GLX ACED (PST-5DART)	8.7	7.0	93.0	71.7	0.0	13.3	9.0	6.3	99.0	66.7
PST-5TRN	9.0	7.0	94.7	66.7	3.3	28.3	9.0	6.7	97.7	66.7
SETFM2	8.7	5.0	96.0	60.0	1.7	26.7	8.7	5.7	94.7	66.7
TANK (PPG-TF 338)	9.0	6.0	96.0	65.0	1.7	30.0	9.0	6.3	99.0	66.7
TITAN GLX (TF445)	8.3	5.7	97.7	75.0	1.7	26.7	9.0	6.0	96.0	66.7
BULLSEYE	8.7	6.0	96.3	66.7	1.7	23.3	9.0	6.0	99.0	65.0
MONUMENT (PST-5SQB)	8.7	6.0	94.7	63.3	0.0	26.7	8.7	6.0	96.3	65.0
PRO GOLD	9.0	6.3	96.3	75.0	0.0	28.3	9.0	6.0	94.7	65.0
PROVIDENCE (GO-RH20)	9.0	5.7	96.0	63.3	0.0	35.0	9.0	6.0	99.0	65.0
RACEWAY (DLFPS-321/3696)	8.0	4.7	93.3	61.7	3.3	31.7	9.0	5.3	99.0	65.0
RAD-TF131	9.0	5.3	97.7	63.3	1.7	31.7	9.0	5.3	97.7	65.0
BRAVO 2	9.0	4.3	94.7	46.7	3.3	43.3	8.7	4.0	97.7	63.3
DLFPS-321/3703	8.3	4.3	96.0	58.3	1.7	30.0	9.0	5.7	97.7	63.3
EXPANSE (PPG-TF 262)	9.0	5.0	99.0	63.3	1.7	31.7	9.0	5.7	99.0	63.3
FIRENZA II (PPG-TF 244)	9.0	5.7	99.0	68.3	0.0	25.0	9.0	6.3	99.0	63.3
LIFEGUARD	9.0	6.0	97.7	60.0	3.3	26.7	9.0	5.0	97.7	63.3
PADRE 2	9.0	6.3	97.7	68.3	1.7	21.7	9.0	6.3	97.7	63.3
RAPTOR III	8.7	5.0	90.0	63.3	3.3	26.7	9.0	5.0	99.0	63.3
RAPTOR LS (PPG-TF 336)	8.7	5.7	93.0	58.3	3.3	30.0	8.7	5.3	97.7	63.3
RDC	8.7	5.3	99.0	60.0	3.3	33.3	9.0	5.3	97.7	63.3
STEALTH (PPG-TF 238)	9.0	6.0	99.0	68.3	1.7	30.0	9.0	6.0	99.0	63.3
3B2	9.0	5.3	97.7	53.3	1.7	28.3	9.0	5.3	99.0	61.7

TABLE 13A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY MAY 3		FULLNESS OF CANOPY MAY 3		BLUEGRASS COVER MAY 16		UNIFORMITY JUNE 29		FULLNESS OF CANOPY JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FAIRFIELD (SETF104)	9.0	6.0	96.0	66.7	0.0	28.3	9.0	5.3	97.7	61.7
K18-RS6	8.7	6.0	91.3	66.7	0.0	25.0	9.0	5.0	99.0	61.7
OKEEFE (LTP-TF-122)	8.7	5.0	95.0	51.7	3.3	35.0	9.0	5.7	99.0	61.7
PARAMOUNT	8.7	6.0	93.0	68.3	0.0	26.7	9.0	6.0	96.3	61.7
TEACHER (PPG-TF 313)	7.7	5.3	91.3	60.0	0.0	28.3	9.0	5.3	96.3	61.7
TITAN MAX (TF456)	8.7	6.0	91.3	68.3	1.7	25.0	9.0	5.3	94.7	61.7
TOPSHELF (BGR-TF3)	8.7	5.0	91.7	60.0	6.7	23.3	9.0	5.3	93.3	61.7
XANADU (JT 268)	9.0	4.3	96.0	53.3	0.0	35.0	9.0	5.0	99.0	61.7
AST8218LM	8.3	4.3	90.0	58.3	3.3	26.7	8.7	4.7	91.3	60.0
AVENGER III (PPG-TF 308)	8.3	4.3	91.7	53.3	1.7	30.0	9.0	5.0	99.0	60.0
CLASH (AH1)	8.7	4.0	96.0	48.3	1.7	43.3	9.0	4.7	99.0	60.0
COL-TF-148	8.3	5.3	93.3	58.3	1.7	35.0	9.0	5.3	99.0	60.0
COPIOUS TF	8.3	5.7	91.0	53.3	1.7	31.7	8.7	4.7	94.3	60.0
DAYBREAK (AH2)	9.0	5.0	99.0	60.0	0.0	35.0	9.0	5.7	99.0	60.0
ESTRENA	8.7	5.0	96.0	60.0	0.0	33.3	9.0	5.7	99.0	60.0
GRANDE 3	9.0	5.3	94.7	55.0	0.0	35.0	9.0	5.0	94.7	60.0
RAD-TF105	8.7	4.0	96.3	55.0	3.3	28.3	9.0	5.3	96.0	60.0
5LSS	9.0	5.7	96.0	61.7	3.3	36.7	9.0	5.7	97.7	58.3
BIRMINGHAM	9.0	5.3	91.7	58.3	1.7	31.7	9.0	5.7	96.0	58.3
BONFIRE (JS DTT)	7.7	4.0	90.0	48.3	1.7	33.3	9.0	4.0	97.7	58.3
DLFPS-321/3707	8.3	5.3	88.0	60.0	5.0	31.7	9.0	4.7	97.7	58.3
GRO-PRO (SE53D2)	8.7	5.3	96.0	56.7	1.7	31.7	8.7	4.0	97.7	58.3
KIZZLE (K18-ROE)	8.7	5.3	91.7	55.0	1.7	33.3	8.7	4.7	97.7	58.3
PPG-TF 316	8.3	4.7	89.7	55.0	1.7	38.3	9.0	5.7	96.0	58.3
PPG-TF 318	8.0	4.3	91.0	56.7	1.7	31.7	8.7	5.0	96.0	58.3
PST-5THM	8.7	5.7	88.0	73.3	3.3	31.7	8.7	5.0	91.7	58.3
RS1	8.7	5.0	91.3	56.7	0.0	28.3	9.0	5.3	96.3	58.3
ATF1768	8.3	5.3	96.0	63.3	0.0	23.3	9.0	4.7	96.3	56.7
BLADERUNNER 3 (DLFPS-321/3701)	8.0	4.0	88.3	51.7	3.3	36.7	9.0	6.3	97.7	56.7
CAPITAN (DLFPS-321/3705)	9.0	5.0	93.3	51.7	3.3	38.3	9.0	5.3	95.0	56.7
DLFPS-TF/3553	8.3	4.0	88.3	53.3	3.3	40.0	8.7	4.3	96.3	56.7
EXTRAVAGANZA (PST-5MCMO)	8.7	4.7	93.3	58.3	0.0	33.3	9.0	5.0	96.0	56.7
LAFAYETTE (GO-AOMK)	8.7	4.3	93.3	43.3	1.7	40.0	9.0	4.7	95.0	56.7
NATURALLY GREEN	9.0	5.3	93.0	60.0	1.7	33.3	9.0	4.3	93.3	56.7
SERENADE (PPG-TF 320)	8.7	4.3	97.7	53.3	0.0	35.0	9.0	4.7	96.3	56.7
VALSETZ (PPG-TF 257)	8.3	3.0	93.0	43.3	0.0	41.7	9.0	4.7	97.7	56.7
DLFPS-321/3708	8.7	5.0	94.7	56.7	1.7	30.0	9.0	4.3	99.0	55.0
DYNAMITE G-LS (PPG-TF 254)	8.3	4.0	89.7	55.0	0.0	40.0	9.0	5.0	97.7	55.0
GRAND PRIX (FC15-01P)	8.3	5.3	90.0	63.3	0.0	31.7	8.7	5.3	88.3	55.0
RAD-TF115 (TURBO SS)	9.0	4.0	96.0	50.0	1.7	31.7	9.0	4.7	99.0	55.0
SE5STAR	8.7	5.3	91.7	58.3	1.7	31.7	9.0	4.7	95.0	55.0
A-TF31	9.0	5.0	96.0	63.3	3.3	26.7	9.0	5.0	94.7	53.3
ESCALADE	8.3	6.3	93.0	70.0	1.7	25.0	8.3	4.7	90.0	53.3
GLX REVIVE (PST-5GLBS)	8.3	4.7	90.0	61.7	0.0	28.3	9.0	4.3	96.3	53.3
HELLCAT GLR (PST-5E6)	8.7	5.0	96.0	63.3	3.3	45.0	9.0	4.3	97.7	53.3

TABLE 13A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY MAY 3		FULLNESS OF CANOPY MAY 3		BLUEGRASS COVER MAY 16		UNIFORMITY JUNE 29		FULLNESS OF CANOPY JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
NT-3	9.0	5.0	99.0	60.0	0.0	26.7	9.0	4.0	99.0	53.3
PALOMAR	8.3	5.3	90.0	55.0	1.7	33.3	8.0	4.3	86.7	53.3
ROWDIER (DLFPS-321/3699)	6.7	3.7	79.3	48.3	1.7	46.7	8.0	3.7	91.0	53.3
SETFM3	8.7	4.3	90.0	43.3	3.3	35.0	8.7	4.3	90.0	53.3
TRIAD (PPG-TF 323)	8.0	4.7	86.7	51.7	0.0	35.0	9.0	5.0	97.7	53.3
BATTLE HAWK (NAI-ROS4)	8.7	3.3	94.7	43.3	0.0	46.7	9.0	4.0	99.0	51.7
JT 517	9.0	4.7	90.0	55.0	3.3	38.3	8.7	3.3	91.7	51.7
LBF	8.7	5.7	93.3	63.3	3.3	31.7	9.0	4.3	97.7	51.7
TANGO	8.0	5.0	88.0	43.3	5.0	45.0	8.3	4.3	97.7	51.7
BENTLEY (DLFPS-321/3679)	8.7	4.3	96.0	40.0	3.3	46.7	9.0	4.3	97.7	50.0
DEGAS (LTP-TF-111)	8.7	4.0	93.3	43.3	3.3	46.7	9.0	4.0	97.7	50.0
MOONDANCE GLX	9.0	5.7	90.0	55.0	1.7	28.3	8.7	4.0	97.7	50.0
PPG-TF 312	7.7	4.0	78.3	48.3	8.3	43.3	8.7	3.7	94.7	50.0
PST-5DZM	9.0	6.0	97.7	66.7	0.0	25.0	9.0	4.7	97.7	50.0
RC4	8.7	3.7	97.7	48.3	0.0	38.3	9.0	5.0	99.0	50.0
RHF	8.7	3.3	96.0	40.0	0.0	41.7	9.0	3.7	99.0	50.0
TALLADEGA II (NAI-3N2)	8.7	3.3	94.3	46.7	5.0	51.7	9.0	4.0	99.0	50.0
BANDIT	9.0	5.0	94.7	51.7	3.3	40.0	9.0	3.7	97.7	48.3
DLFPS-321/3695	8.3	4.7	94.3	50.0	3.3	35.0	9.0	4.0	97.7	48.3
FASTLANE (BY-TF-169)	6.3	3.7	75.0	46.7	3.3	33.3	8.7	3.7	91.3	48.3
GALACTIC (SESCR1)	8.3	4.0	91.7	46.7	1.7	45.0	9.0	4.3	99.0	48.3
NAI-ST5	8.7	3.3	94.3	43.3	0.0	46.7	9.0	3.3	99.0	48.3
ORIOLE (PST-5BYOB)	8.7	5.7	96.0	58.3	1.7	43.3	8.7	4.3	96.0	48.3
DLFPS-321/3693	8.7	4.3	94.7	46.7	0.0	41.7	9.0	4.0	97.7	46.7
PST-5DC24	8.7	4.3	93.0	50.0	1.7	41.7	9.0	3.7	96.3	46.7
SYMPHONY (PPG-TF 305)	8.3	3.0	89.7	46.7	5.0	50.0	9.0	3.7	96.0	46.7
BAR-FA8230	8.3	3.7	93.0	48.3	5.0	48.3	8.3	4.0	88.3	45.0
DLFPS-321/3694	8.7	3.3	94.3	36.7	0.0	51.7	9.0	3.7	99.0	45.0
SR 8700 (TMT1)	7.7	3.7	84.7	45.0	5.0	40.0	9.0	3.7	93.0	45.0
ATF2116	8.7	3.7	88.0	40.0	1.7	50.0	8.7	4.0	93.0	43.3
BAR FA 8228	8.0	3.0	90.0	43.3	1.7	38.3	8.3	4.0	90.0	43.3
FIREHAWK SLT	9.0	4.0	97.7	51.7	6.7	46.7	9.0	3.0	97.7	43.3
NAI-FQZ-17	8.3	4.3	90.0	40.0	10.0	53.3	8.7	4.0	91.3	43.3
DLFPS-321/3706	8.7	3.0	90.0	41.7	3.3	45.0	9.0	3.0	99.0	41.7
K18-NSE	7.3	4.0	83.3	45.0	3.3	40.0	9.0	4.3	94.7	41.7
PST-5MINK	8.3	3.3	91.7	41.7	1.7	58.3	9.0	3.7	93.3	41.7
ZION (BAR TF 134)	8.3	2.7	91.7	31.7	6.7	65.0	8.7	3.3	94.3	41.7
TOUGH (NAI-TUE)	8.7	2.3	86.7	31.7	10.0	61.7	8.0	3.3	84.7	38.3
DRAGSTER	6.7	3.3	78.0	40.0	5.0	50.0	8.3	3.3	89.7	36.7
OG-WALK	8.0	4.0	90.0	51.7	6.7	35.0	8.0	5.3	85.0	36.7
BARNOBLE (BAR 9FE MAS)	7.7	2.3	81.7	28.3	13.3	60.0	7.7	2.0	80.0	28.3
KENTUCKY-31	3.0	1.0	28.3	5.0	31.7	88.3	3.0	1.0	30.0	10.0
LSD VALUE	1.1	4.5	11.8	36.2	5.8	27.1	0.6	3.4	6.5	27.7
C.V. (%)	7.6	34.6	7.5	27.8	141.7	38.8	4.6	29.3	4.5	22.7

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 13B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FINELAWN SUPREME (RH3)	9.0	5.0	96.0	58.3
SOUTHSIDE (PPG-TF 267)	9.0	5.7	99.0	55.0
GLX ACED (PST-5DART)	9.0	5.0	96.0	51.7
HEMI	8.7	5.0	99.0	51.7
3B2	9.0	4.0	99.0	46.7
PPG-TF 231	9.0	5.0	99.0	46.7
PRO GOLD	8.7	4.7	96.0	46.7
TANK (PPG-TF 338)	9.0	4.0	99.0	46.7
GRAND PRIX (FC15-01P)	8.3	4.7	88.3	45.0
HOUNDOG NINE (DLFPS-321/3702)	9.0	4.3	96.0	45.0
K18-RS6	8.7	5.0	96.0	45.0
PPG-TF 249	7.3	4.3	81.3	45.0
PROVIDENCE (GO-RH20)	9.0	4.7	97.7	45.0
ROVER (PPG-TF 306)	8.3	4.3	88.0	45.0
TD2	8.7	4.7	86.0	45.0
TITAN GLX (TF445)	9.0	4.7	99.0	45.0
GRO-PRO (SE53D2)	9.0	4.0	94.7	43.3
RACEWAY (DLFPS-321/3696)	9.0	3.7	96.3	43.3
JT 233	9.0	3.7	99.0	41.7
PPG-TF 318	9.0	4.0	89.3	41.7
PPG-TF 337	8.3	3.7	88.0	41.7
PST-5GQ	8.7	4.7	92.7	41.7
SPYDER 2LS (ZRC1)	9.0	3.7	99.0	41.7
STEALTH (PPG-TF 238)	9.0	4.3	96.0	41.7
DEGAS (LTP-TF-111)	9.0	3.3	99.0	40.0
ESSENTIAL 2 (DLFPS-TF/3552)	8.7	3.7	94.3	40.0
FIRECRACKER G-LS (PPG-TF 315)	7.0	4.3	78.0	40.0
MONUMENT (PST-5SQB)	9.0	4.0	95.0	40.0
RAPTOR III	9.0	4.0	94.7	40.0
RAPTOR LS (PPG-TF 336)	6.7	3.0	78.0	40.0
AST8118LM	8.7	4.7	91.3	38.3
BULLSEYE	9.0	4.0	94.7	38.3
AST8218LM	8.7	3.7	94.7	36.7
BULLSEYE LTZ	8.7	3.7	93.0	36.7
DLFPS-321/3707	9.0	4.0	96.0	36.7
HELLCAT GLR (PST-5E6)	9.0	3.3	97.7	36.7
OKEEFE (LTP-TF-122)	7.7	4.0	86.0	36.7
PST-5DC24	9.0	3.0	99.0	36.7
RAD-TF131	8.7	3.0	97.7	36.7
RHL2	9.0	3.3	99.0	36.7
TITAN MAX (TF456)	9.0	4.0	99.0	36.7
BRAVO 2	9.0	3.7	96.0	35.0
FAIRFIELD (SETF104)	7.3	2.7	81.3	35.0
ROWDIER (DLFPS-321/3699)	8.7	3.0	91.0	35.0
SERENADE (PPG-TF 320)	9.0	3.7	97.7	35.0

TABLE 13B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
AVENGER III (PPG-TF 308)	9.0	3.3	99.0	33.3
BIRMINGHAM	8.0	3.7	90.0	33.3
CAPTAN (DLFPS-321/3705)	6.7	3.0	69.7	33.3
DLFPS-321/3703	8.7	4.3	88.3	33.3
ESCALADE	8.3	3.7	88.3	33.3
GLX REVIVE (PST-5GLBS)	9.0	3.0	96.0	33.3
KIZZLE (K18-ROE)	9.0	4.0	96.0	33.3
PADRE 2	9.0	2.7	97.7	33.3
PST-5DZM	8.7	3.3	97.7	33.3
PST-5TRN	8.3	3.7	93.0	33.3
RDC	9.0	3.0	97.7	33.3
SETFM3	8.3	3.3	93.0	33.3
TOPSHELF (BGR-TF3)	8.7	3.7	94.7	33.3
DLFPS-321/3693	9.0	3.3	99.0	31.7
FALCON SUPREME (RH1)	8.7	3.3	94.7	31.7
FAYETTE	8.7	3.0	94.7	31.7
K18-WB1	9.0	3.0	97.7	31.7
LIFEGUARD	9.0	2.3	94.7	31.7
MOONDANCE GLX	8.7	3.0	93.3	31.7
NT-3	9.0	3.0	96.0	31.7
ORIOLE (PST-5BYOB)	8.0	3.7	93.0	31.7
PALOMAR	7.3	3.0	78.3	31.7
A-TF31	8.7	2.7	93.0	30.0
ESTRENA	9.0	2.3	97.7	30.0
SR 8700 (TMT1)	9.0	2.7	96.0	30.0
VALSETZ (PPG-TF 257)	8.3	3.0	92.7	30.0
BONFIRE (JS DTT)	9.0	3.7	96.3	28.3
COPIOUS TF	8.7	3.0	91.0	28.3
DLFPS-321/3695	9.0	2.7	99.0	28.3
DLFPS-TF/3553	9.0	3.0	97.7	28.3
GALLARDO (DLFPS-TF/3550)	9.0	3.3	99.0	28.3
GRANDE 3	9.0	2.3	99.0	28.3
PPG-TF 316	8.7	2.3	89.7	28.3
PST-5THM	7.7	2.3	78.0	28.3
RS1	9.0	2.7	99.0	28.3
SETFM2	8.0	3.0	88.0	28.3
TANGO	8.3	3.0	86.7	28.3
TEACHER (PPG-TF 313)	8.7	2.3	93.0	28.3
TITANIUM G-LS (PPG-TF 255)	9.0	3.0	99.0	28.3
ATF2116	8.7	2.7	88.3	26.7
BENTLEY (DLFPS-321/3679)	9.0	3.3	97.7	26.7
CLASH (AH1)	8.7	2.7	91.3	26.7
DLFPS-321/3708	9.0	3.3	92.7	26.7
EXPANSE (PPG-TF 262)	9.0	2.7	99.0	26.7
FIREHAWK SLT	9.0	2.7	99.0	26.7
LBF	9.0	3.3	96.3	26.7

TABLE 13B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
OG-WALK	8.0	2.3	83.3	26.7
PARAMOUNT	9.0	2.0	99.0	26.7
XANADU (JT 268)	9.0	2.7	99.0	26.7
BAR-FA8230	8.0	2.7	83.3	25.0
DYNAMITE G-LS (PPG-TF 254)	9.0	2.3	93.0	25.0
ENDGAME (3N1)	9.0	2.7	99.0	25.0
EXTRAVAGANZA (PST-5MCMO)	8.0	3.0	81.7	25.0
FASTLANE (BY-TF-169)	9.0	2.0	93.0	25.0
NATURALLY GREEN	8.0	3.0	85.0	25.0
RAD-TF105	6.7	2.3	70.0	25.0
RC4	9.0	2.3	94.7	25.0
SE5STAR	6.7	2.3	79.7	25.0
TRIAD (PPG-TF 323)	8.0	2.0	89.3	25.0
5LSS	9.0	3.0	99.0	23.3
BAR FA 8228	8.0	2.0	85.0	23.3
BATTLE HAWK (NAI-ROS4)	9.0	2.7	96.3	23.3
GALACTIC (SESCR1)	8.7	2.7	94.3	23.3
PST-5MINK	9.0	2.7	93.0	23.3
RHF	9.0	2.3	97.7	23.3
ATF1768	8.7	2.0	91.7	21.7
BANDIT	7.7	1.7	83.3	21.7
DRAGSTER	8.0	2.0	86.3	21.7
FIRENZA II (PPG-TF 244)	8.3	3.0	96.0	21.7
JT 517	8.7	2.3	93.0	21.7
K18-NSE	9.0	2.0	94.3	21.7
LAFAYETTE (GO-AOMK)	9.0	2.0	91.3	21.7
NAI-FQZ-17	8.0	1.3	83.3	21.7
DLFPS-321/3706	9.0	1.7	96.0	20.0
NAI-ST5	9.0	2.0	96.3	20.0
TALLADEGA II (NAI-3N2)	9.0	2.3	99.0	20.0
BLADERUNNER 3 (DLFPS-321/3701)	8.3	2.7	91.3	18.3
PPG-TF 312	9.0	1.7	99.0	18.3
COL-TF-148	8.7	2.0	94.3	16.7
DAYBREAK (AH2)	9.0	1.3	99.0	16.7
RAD-TF115 (TURBO SS)	7.3	1.0	81.3	16.7
BARNOBLE (BAR 9FE MAS)	8.0	1.7	89.7	15.0
DLFPS-321/3694	8.7	1.7	99.0	15.0
SYMPHONY (PPG-TF 305)	8.3	2.0	96.0	15.0
TOUGH (NAI-TUE)	8.3	2.0	94.7	15.0
ZION (BAR TF 134)	7.7	2.0	83.0	15.0
KENTUCKY-31	4.0	1.0	35.0	10.0
LSD VALUE	1.7	2.9	18.4	25.1
C.V. (%)	9.9	40.6	10.2	37.7

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 13C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL							
	BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 9		OCTOBER 6		OCTOBER 6		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
BRAVO 2	20.0	53.3	8.3	4.7	85.0	35.0	94.3	75.3
GRO-PRO (SE53D2)	30.0	50.0	8.3	5.3	78.3	45.0	95.7	72.7
PST-5DC24	28.3	58.3	8.7	3.0	81.7	31.7	94.7	72.3
BARNOBLE (BAR 9FE MAS)	58.3	66.7	6.0	1.3	51.7	13.3	96.0	69.3
BIRMINGHAM	18.3	41.7	7.7	3.7	84.7	38.3	91.0	68.7
COPIOUS TF	36.7	50.0	7.3	3.3	74.7	31.7	95.7	66.7
PST-5THM	20.0	40.0	7.7	4.7	73.3	45.0	95.0	66.3
PROVIDENCE (GO-RH20)	6.7	45.0	8.7	3.3	97.7	33.3	92.7	65.7
HELLCAT GLR (PST-5E6)	15.0	48.3	9.0	4.3	90.0	43.3	95.0	65.3
ORIOLE (PST-5BYOB)	13.3	48.3	8.3	4.0	91.7	40.0	95.3	64.7
DLFPS-321/3703	10.0	45.0	8.3	3.0	86.7	28.3	92.7	64.3
GLX REVIVE (PST-5GLBS)	18.3	55.0	8.3	2.7	90.0	31.7	96.0	64.0
BAR-FA8230	40.0	46.7	7.3	3.7	71.7	33.3	95.0	61.7
SETFM3	35.0	50.0	7.0	2.3	60.0	25.0	91.0	61.3
KIZZLE (K18-ROE)	13.3	50.0	9.0	2.3	93.0	31.7	95.3	61.0
PST-5DZM	25.0	63.3	7.0	2.0	76.7	15.0	92.3	60.7
AST8218LM	26.7	43.3	7.7	3.0	70.0	30.0	91.7	60.3
MONUMENT (PST-5SQB)	10.0	33.3	9.0	4.7	83.3	38.3	96.3	60.3
PRO GOLD	16.7	41.7	8.3	3.7	85.0	36.7	92.7	60.3
GRAND PRIX (FC15-01P)	25.0	50.0	6.3	3.3	66.7	36.7	85.3	60.0
KENTUCKY-31	75.0	66.7	2.7	1.3	25.0	8.3	97.3	60.0
GALACTIC (SESCR1)	18.3	58.3	8.7	2.3	94.7	25.0	93.7	59.3
AST8118LM	11.7	38.3	7.3	4.0	76.7	31.7	91.3	59.0
LBF	23.3	56.7	8.0	2.7	80.0	28.3	91.7	59.0
PALOMAR	38.3	48.3	6.3	2.3	61.7	25.0	92.7	59.0
PST-5GQ	13.3	51.7	8.0	3.7	85.0	36.7	94.0	59.0
TOPSHELF (BGR-TF3)	23.3	35.0	7.7	3.3	70.0	35.0	94.3	59.0
PST-5TRN	20.0	36.7	8.7	3.0	88.3	36.7	95.7	58.7
ATF2116	30.0	60.0	8.3	2.7	81.7	25.0	92.3	58.3
BULLSEYE	33.3	40.0	7.0	3.7	79.7	35.0	91.3	58.3
TANGO	30.0	58.3	7.0	2.3	71.7	21.7	94.7	58.3
A-TF31	28.3	45.0	7.3	2.0	75.0	21.7	90.3	57.7
BAR FA 8228	30.0	40.0	7.7	2.7	68.3	23.3	94.7	57.3
BENTLEY (DLFPS-321/3679)	21.7	58.3	8.3	3.0	78.3	26.7	91.7	57.3
MOONDANCE GLX	21.7	43.3	7.7	3.3	81.7	31.7	96.3	56.3
NATURALLY GREEN	18.3	41.7	7.7	3.7	83.3	36.7	92.7	56.3
TD2	15.0	43.3	8.0	2.7	83.3	25.0	91.7	56.3
PST-5MINK	21.7	68.3	7.3	2.3	63.3	20.0	86.0	56.0
EXTRAVAGANZA (PST-5MCMO)	20.0	43.3	8.0	3.7	78.3	35.0	94.0	55.7
PPG-TF 337	15.0	53.3	7.7	2.7	80.0	23.3	87.7	55.7
NAI-ST5	25.0	51.7	9.0	2.7	86.3	25.0	93.0	55.3
DLFPS-321/3708	20.0	50.0	8.3	2.3	83.3	30.0	94.3	54.3
RAPTOR III	18.3	46.7	8.3	2.7	88.3	28.3	93.3	54.3
ROWDIER (DLFPS-321/3699)	31.7	51.7	7.7	2.3	76.7	23.3	95.3	53.3
BONFIRE (JS DTT)	15.0	60.0	8.7	2.0	86.3	20.0	94.7	53.0

TABLE 13C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL							
	BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 9		OCTOBER 6		OCTOBER 6		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DLFPS-321/3707	20.0	48.3	8.0	2.3	84.7	18.3	93.7	53.0
TITAN MAX (TF456)	21.7	53.3	7.3	1.7	78.3	23.3	93.3	53.0
NAI-FQZ-17	35.0	51.7	7.0	3.0	60.0	25.0	87.0	52.7
SR 8700 (TMT1)	26.7	66.7	7.7	1.7	76.7	16.7	91.3	52.3
ESCALADE	35.0	50.0	7.0	2.3	63.3	20.0	89.7	52.0
BATTLE HAWK (NAI-ROS4)	15.0	46.7	8.7	2.0	94.3	20.0	95.3	51.7
JT 517	23.3	46.7	7.0	2.7	76.7	28.3	92.0	51.7
STEALTH (PPG-TF 238)	8.3	50.0	8.3	3.7	89.3	30.0	93.0	51.7
RC4	11.7	45.0	8.7	2.3	81.3	16.7	94.0	51.3
SOUTHSIDE (PPG-TF 267)	3.3	36.7	8.3	3.3	91.0	30.0	91.3	51.3
CLASH (AH1)	18.3	40.0	8.7	2.7	86.3	21.7	93.3	51.0
CAPITAN (DLFPS-321/3705)	16.7	48.3	6.7	2.3	66.7	25.0	92.3	50.7
DLFPS-321/3693	13.3	51.7	8.3	3.0	84.7	21.7	92.7	50.0
DYNAMITE G-LS (PPG-TF 254)	25.0	51.7	8.3	2.0	84.7	21.7	95.7	50.0
FIREHAWK SLT	28.3	65.0	7.7	1.3	81.7	8.3	95.0	49.0
PPG-TF 318	20.0	56.7	7.0	1.7	71.7	6.7	92.7	49.0
TALLADEGA II (NAI-3N2)	21.7	55.0	8.0	1.7	81.3	11.7	90.3	49.0
GLX ACED (PST-5DART)	10.0	35.0	8.3	3.3	90.0	28.3	96.3	48.7
XANADU (JT 268)	16.7	50.0	7.7	1.7	79.7	20.0	81.7	48.7
FIRECRACKER G-LS (PPG-TF 315)	21.7	41.7	6.3	1.7	66.7	23.3	82.3	48.3
DEGAS (LTP-TF-111)	26.7	75.0	6.0	1.3	66.7	8.3	68.7	48.0
K18-NSE	31.7	53.3	7.0	1.3	81.3	11.7	89.0	48.0
PPG-TF 231	21.7	36.7	8.3	3.0	88.0	23.3	92.3	47.7
HEMI	13.3	45.0	7.0	3.7	66.7	30.0	79.7	47.3
TANK (PPG-TF 338)	8.3	43.3	7.7	2.7	81.7	20.0	84.0	47.3
K18-RS6	11.7	45.0	8.0	2.0	88.3	23.3	96.0	47.0
JT 233	13.3	35.0	8.0	2.7	88.3	26.7	93.7	46.7
LIFEGUARD	13.3	40.0	8.0	3.7	83.3	28.3	95.3	46.7
DRAGSTER	36.7	60.0	6.3	1.3	66.7	11.7	90.0	46.3
ATF1768	20.0	35.0	8.3	2.7	85.0	28.3	94.7	46.0
FAIRFIELD (SETF104)	20.0	43.3	6.3	2.3	65.0	26.7	89.0	46.0
TITANIUM G-LS (PPG-TF 255)	11.7	46.7	8.3	2.7	93.3	18.3	95.3	46.0
BULLSEYE LTZ	11.7	41.7	8.3	3.0	93.3	26.7	95.3	45.7
K18-WB1	23.3	46.7	7.7	2.3	75.0	25.0	92.7	45.7
VALSETZ (PPG-TF 257)	15.0	50.0	8.0	3.0	86.3	21.7	93.3	45.3
GRANDE 3	23.3	53.3	7.0	1.7	75.0	16.7	90.0	44.0
DLFPS-321/3706	21.7	61.7	8.7	1.3	91.3	18.3	95.7	43.0
ZION (BAR TF 134)	23.3	55.0	8.0	2.3	76.7	23.3	95.0	43.0
FALCON SUPREME (RH1)	6.7	48.3	8.0	1.3	83.0	15.0	93.0	42.7
SE5STAR	23.3	43.3	6.3	2.0	68.3	25.0	82.0	42.7
PPG-TF 249	13.3	41.7	6.7	4.0	75.0	25.0	83.7	42.3
TITAN GLX (TF445)	15.0	43.3	7.0	1.7	76.7	21.7	92.3	42.0
FINELAWN SUPREME (RH3)	3.3	43.3	8.0	2.3	78.3	18.3	87.7	41.7
RHF	20.0	56.7	6.3	1.7	65.0	18.3	78.7	41.7
DLFPS-TF/3553	21.7	53.3	8.3	2.0	73.3	16.7	94.3	41.0
AVENGER III (PPG-TF 308)	21.7	46.7	8.7	1.7	91.7	20.0	93.0	40.7

TABLE 13C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL							
	BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 9		OCTOBER 6		OCTOBER 6		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
ENDGAME (3N1)	15.0	38.3	7.0	1.3	76.3	10.0	90.3	40.3
RACEWAY (DLFPS-321/3696)	20.0	46.7	7.3	2.3	78.3	21.7	87.3	40.3
SPYDER 2LS (ZRC1)	11.7	36.7	8.7	3.0	92.7	25.0	95.3	40.3
TOUGH (NAI-TUE)	41.7	53.3	7.3	1.7	68.3	15.0	92.3	40.3
ESTRENA	13.3	50.0	6.3	1.0	61.7	6.7	69.7	40.0
OG-WALK	41.7	40.0	7.0	2.3	63.3	26.7	89.3	40.0
RAD-TF115 (TURBO SS)	23.3	51.7	4.7	1.3	55.0	11.7	76.7	40.0
RS1	16.7	50.0	8.0	1.3	83.3	11.7	87.3	39.7
SETFM2	21.7	41.7	6.7	1.7	60.0	20.0	81.7	39.7
BANDIT	21.7	41.7	7.7	2.0	78.3	21.7	93.3	39.3
PADRE 2	8.3	36.7	8.7	3.0	94.7	28.3	95.7	39.3
FASTLANE (BY-TF-169)	28.3	51.7	6.7	1.7	66.7	13.3	85.0	38.7
BLADERUNNER 3 (DLFPS-321/3701)	16.7	45.0	8.7	2.0	88.0	16.7	95.3	38.0
SYMPHONY (PPG-TF 305)	25.0	45.0	8.3	1.7	88.3	16.7	95.7	38.0
FIRENZA II (PPG-TF 244)	8.3	31.7	8.0	1.3	88.0	20.0	93.7	37.3
PARAMOUNT	13.3	53.3	8.0	1.3	75.0	11.7	92.3	36.7
EXPANSE (PPG-TF 262)	13.3	51.7	7.0	1.3	79.7	11.7	77.3	36.3
OKEEFE (LTP-TF-122)	13.3	50.0	7.3	2.0	73.3	16.7	91.7	36.3
SERENADE (PPG-TF 320)	11.7	48.3	8.7	2.3	88.0	16.7	93.3	36.0
COL-TF-148	13.3	38.3	8.7	1.7	86.3	8.3	93.0	35.7
DLFPS-321/3694	18.3	63.3	7.0	1.3	71.7	10.0	84.0	34.7
TRIAD (PPG-TF 323)	20.0	43.3	7.0	1.3	70.0	13.3	83.3	34.7
3B2	20.0	46.7	8.3	2.0	86.7	18.3	95.3	34.3
LAFAYETTE (GO-AOMK)	21.7	46.7	7.3	2.3	81.7	18.3	85.3	34.0
PPG-TF 312	36.7	48.3	6.7	1.0	61.7	10.0	87.0	33.7
RDC	18.3	46.7	7.3	1.3	76.7	16.7	87.7	33.3
ROVER (PPG-TF 306)	8.3	43.3	7.0	2.0	75.0	13.3	86.7	33.0
GALLARDO (DLFPS-TF/3550)	8.3	33.3	7.7	2.0	81.3	20.0	80.7	32.7
DLFPS-321/3695	16.7	43.3	8.3	1.3	85.0	13.3	95.3	32.3
FAYETTE	11.7	35.0	6.7	1.7	68.3	11.7	80.3	32.3
RAD-TF105	23.3	41.7	6.0	1.3	63.3	15.0	76.7	32.3
NT-3	13.3	48.3	7.0	1.3	71.7	13.3	86.0	32.0
RAD-TF131	20.0	40.0	5.7	1.7	60.0	18.3	70.0	31.7
HOUNDG NINE (DLFPS-321/3702)	11.7	33.3	8.0	2.0	91.7	20.0	94.0	31.3
RAPTOR LS (PPG-TF 336)	18.3	48.3	5.0	1.0	55.0	10.0	65.0	31.3
5LSS	23.3	48.3	6.0	1.7	58.3	11.7	69.7	29.7
TEACHER (PPG-TF 313)	16.7	45.0	6.7	1.3	71.3	10.0	87.3	29.7
PPG-TF 316	13.3	38.3	8.0	1.0	75.0	11.7	92.0	29.3
RHL2	10.0	45.0	6.0	1.3	61.7	8.3	77.7	28.7
DAYBREAK (AH2)	10.0	43.3	8.3	1.3	89.3	6.7	93.7	27.0
ESSENTIAL 2 (DLFPS-TF/3552)	18.3	30.0	8.3	2.0	90.0	16.7	95.0	25.0
LSD VALUE	21.4	54.0	2.5	2.3	26.9	22.3	24.5	49.1
C.V. (%)	55.7	28.8	16.0	47.1	17.4	49.4	10.3	35.0

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.

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DYNAMITE G-LS (PPG-TF 254)	5.3	6.0	6.0	5.7	6.0	6.0	6.0	5.7	5.3	4.7	6.0	5.7
MOONDANCE GLX	4.3	7.7	6.0	6.0	6.7	5.3	6.0	6.0	6.0	4.7	4.7	5.7
RAPTOR LS (PPG-TF 336)	5.3	5.7	6.0	6.0	6.3	5.7	6.0	5.7	6.0	5.0	5.0	5.7
VALSETZ (PPG-TF 257)	4.3	7.3	6.3	6.3	6.0	5.3	6.0	5.7	5.7	4.7	5.7	5.7
AVENGER III (PPG-TF 308)	5.0	6.7	5.3	6.0	6.0	6.0	5.7	5.7	5.7	4.3	5.3	5.6
FIRECRACKER G-LS (PPG-TF 315)	6.7	7.7	5.3	5.7	6.3	5.3	5.3	6.3	6.3	4.7	4.7	5.6
PPG-TF 337	5.7	5.3	4.7	5.7	6.0	5.3	5.7	6.0	5.7	4.7	5.7	5.6
RC4	5.0	6.0	6.3	6.0	6.3	5.7	5.7	6.0	5.3	4.7	5.0	5.6
STEALTH (PPG-TF 238)	4.0	7.3	6.0	5.7	6.3	5.3	6.0	6.0	5.3	4.7	5.7	5.6
COL-TF-148	5.3	6.7	6.7	5.7	6.7	5.3	5.3	5.3	5.3	4.3	5.7	5.5
COPIOUS TF	4.0	7.7	6.0	5.7	6.0	5.0	5.0	6.3	6.0	4.3	5.3	5.5
EXTRAVAGANZA (PST-5MCMO)	4.0	7.3	6.0	5.7	6.3	5.3	5.7	5.3	5.3	5.0	5.3	5.5
FIRENZA II (PPG-TF 244)	4.7	7.0	6.7	6.0	5.7	5.3	5.7	5.7	5.7	4.7	5.3	5.5
GLX REVIVE (PST-5GLBS)	5.3	6.7	6.7	6.0	6.3	5.3	5.7	5.7	5.7	4.7	5.0	5.5
ORIOLE (PST-5BYOB)	5.3	7.3	6.3	6.0	6.3	5.3	5.7	5.7	5.3	4.3	5.7	5.5
PADRE 2	4.3	7.3	7.3	5.7	5.7	5.3	5.7	6.0	6.0	4.3	5.3	5.5
PPG-TF 316	3.0	6.0	5.0	6.0	5.7	5.3	5.3	6.0	6.0	4.7	5.0	5.5
PST-5MINK	4.3	7.7	6.7	6.0	6.7	5.3	5.7	5.0	5.0	4.3	5.7	5.5
ROVER (PPG-TF 306)	4.3	7.3	7.0	5.7	6.7	5.7	5.7	5.3	4.7	4.7	5.3	5.5
BRAVO 2	4.3	7.7	7.0	6.3	5.7	5.3	5.3	5.3	6.3	4.0	4.7	5.4
BULLSEYE	5.3	5.7	6.7	6.0	6.0	5.0	6.0	5.3	5.0	4.3	5.7	5.4
DAYBREAK (AH2)	6.7	5.0	5.0	5.7	5.3	5.7	5.0	6.0	5.7	4.3	5.3	5.4
DEGAS (LTP-TF-111)	5.3	6.0	6.3	6.0	6.0	5.3	5.3	5.7	5.7	4.3	4.7	5.4
GRANDE 3	4.3	7.3	8.0	6.0	6.3	5.3	5.7	5.3	5.0	4.3	5.0	5.4
JT 517	4.0	7.7	7.3	5.7	6.7	5.7	5.7	5.0	4.7	4.3	5.3	5.4
LBF	4.3	6.7	5.3	5.3	6.0	5.3	5.7	5.7	5.3	4.0	5.7	5.4
MONUMENT (PST-5SQB)	5.3	5.3	5.3	5.7	5.7	5.0	5.7	6.0	6.0	4.0	5.0	5.4
NATURALLY GREEN	5.3	6.3	4.3	6.0	6.3	5.0	5.3	6.0	5.3	4.3	5.0	5.4
PPG-TF 318	5.7	5.7	5.3	5.3	6.3	5.7	6.0	5.0	4.3	4.7	5.7	5.4
PRO GOLD	4.3	7.0	5.3	6.0	6.0	5.0	5.7	5.7	5.7	4.0	5.3	5.4
PST-5TRN	4.7	7.0	7.3	6.0	6.0	5.3	6.0	5.3	5.3	4.3	5.0	5.4
RAD-TF115 (TURBO SS)	4.0	7.7	5.7	6.0	6.0	5.3	5.7	5.3	5.7	4.0	5.0	5.4
ROWDIER (DLFPS-321/3699)	5.0	8.0	6.7	6.0	6.3	5.3	5.3	5.3	5.3	4.0	5.3	5.4
TALLADEGA II (NAI-3N2)	5.0	7.0	7.0	5.7	6.0	5.7	5.7	5.3	5.3	4.7	4.7	5.4
XANADU (JT 268)	4.0	7.3	6.7	6.0	5.7	5.7	5.7	5.3	4.7	5.0	5.3	5.4
3B2	5.7	6.3	5.7	6.0	5.0	5.7	5.3	5.3	4.7	5.0	5.3	5.3
5LSS	6.3	6.0	4.7	6.0	5.3	5.3	5.0	5.7	5.3	4.7	5.3	5.3
ATF2116	5.0	5.7	5.7	5.3	6.3	5.0	5.7	5.3	4.7	4.3	5.7	5.3
BATTLE HAWK (NAI-ROS4)	5.3	5.7	7.0	5.0	5.7	5.3	5.7	5.7	5.3	4.3	5.0	5.3
BIRMINGHAM	5.0	7.0	6.0	6.3	5.7	5.0	5.0	5.3	5.3	4.0	5.3	5.3
BLADERUNNER 3 (DLFPS-321/3701)	5.7	6.0	6.3	5.7	6.0	5.0	5.7	5.7	5.7	4.0	4.7	5.3
BONFIRE (JS DTT)	4.0	7.0	6.3	6.0	6.3	5.7	5.3	5.0	5.0	4.3	5.0	5.3
BULLSEYE LTZ	5.3	7.0	6.0	5.3	6.3	5.3	5.0	5.3	5.3	4.3	5.0	5.3
CAPITAN (DLFPS-321/3705)	4.0	6.7	6.0	5.0	6.0	5.0	5.3	6.3	5.7	4.0	4.7	5.3
DLFPS-321/3693	5.0	6.7	4.0	6.0	5.7	5.3	5.0	5.7	5.7	4.3	4.7	5.3

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3703	5.0	8.0	6.7	6.0	6.0	5.3	5.0	5.3	5.3	4.3	5.3	5.3
DLFPS-321/3706	5.3	5.0	4.0	5.3	5.7	5.3	5.0	5.7	5.7	4.3	5.0	5.3
DLFPS-321/3707	5.3	7.7	5.0	5.7	6.0	5.3	5.3	5.0	5.0	4.7	5.0	5.3
DRAGSTER	5.0	6.7	7.3	5.7	6.3	5.3	5.7	5.0	4.7	4.3	5.0	5.3
FAIRFIELD (SETF104)	4.0	7.7	7.7	6.0	5.7	5.0	5.3	5.0	5.0	4.7	5.7	5.3
FALCON SUPREME (RH1)	5.0	6.7	6.7	5.7	5.3	5.0	5.3	6.0	5.0	4.3	5.3	5.3
FAYETTE	5.3	5.7	7.0	6.0	6.0	5.7	5.7	5.0	4.7	4.3	5.3	5.3
GLX ACED (PST-5DART)	5.3	7.0	6.3	6.0	6.3	5.3	5.3	5.7	5.7	4.0	4.3	5.3
HELLCAT GLR (PST-5E6)	4.7	6.7	6.3	5.7	6.3	5.0	5.3	5.7	4.7	4.3	5.0	5.3
K18-WB1	5.0	4.7	5.7	5.7	5.7	5.0	5.3	6.0	5.7	4.0	4.7	5.3
LIFEGUARD	4.0	7.7	6.3	6.7	6.0	5.0	5.7	5.0	4.7	3.7	5.3	5.3
NT-3	6.0	5.7	6.0	6.0	5.3	5.0	5.0	5.7	5.7	4.3	5.3	5.3
PPG-TF 231	4.3	7.3	6.7	5.7	6.3	5.3	5.7	5.0	4.7	5.0	5.0	5.3
PPG-TF 249	5.3	5.7	5.3	5.3	5.3	5.3	5.7	5.7	5.3	4.0	5.3	5.3
PST-5DC24	6.0	6.3	4.3	5.3	6.0	5.0	5.0	6.0	5.7	4.7	5.0	5.3
PST-5DZM	4.7	6.7	6.3	5.3	6.7	5.0	5.3	5.7	5.3	4.3	5.0	5.3
RACEWAY (DLFPS-321/3696)	4.0	7.7	6.7	6.3	6.3	5.7	5.3	5.0	5.0	3.7	5.3	5.3
RAD-TF131	5.3	5.7	5.7	6.0	5.7	5.0	5.0	6.0	5.7	4.3	5.0	5.3
RHF	5.3	6.7	6.0	6.0	5.7	5.0	5.3	5.3	4.7	5.0	5.0	5.3
SETFM3	6.0	7.0	5.3	5.7	5.3	5.3	5.3	5.7	5.3	4.7	5.0	5.3
SR 8700 (TMT1)	3.3	6.0	5.7	5.3	6.0	5.0	5.3	5.0	5.7	5.0	5.3	5.3
SYMPHONY (PPG-TF 305)	4.0	7.0	5.7	6.0	5.3	5.7	5.0	5.7	5.3	4.0	5.0	5.3
TD2	5.7	5.3	5.3	5.3	6.0	5.3	5.7	5.3	5.0	4.3	5.0	5.3
TITAN MAX (TF456)	4.7	7.0	5.0	5.7	4.7	5.3	5.3	5.7	5.7	4.7	5.0	5.3
TITANIUM G-LS (PPG-TF 255)	5.7	5.7	5.7	5.7	5.3	5.0	5.7	6.0	5.7	4.0	5.3	5.3
TOPSHELF (BGR-TF3)	6.3	5.0	5.7	5.7	5.3	5.0	5.3	5.7	5.3	4.7	5.0	5.3
A-TF31	5.3	6.7	5.0	5.7	5.7	5.3	5.3	5.3	4.7	4.3	5.0	5.2
BANDIT	5.0	7.3	6.0	5.7	6.0	5.0	5.3	5.3	5.7	3.7	4.7	5.2
ESSENTIAL 2 (DLFPS-TF/3552)	5.0	5.3	5.7	5.3	4.7	5.3	5.7	5.7	5.7	4.3	5.0	5.2
FINELAWN SUPREME (RH3)	4.0	7.7	7.0	6.0	5.7	5.0	5.7	5.3	5.0	4.0	4.7	5.2
GALACTIC (SESCR1)	4.0	7.3	6.3	5.7	5.7	5.3	5.3	5.0	4.7	4.3	5.3	5.2
HEMI	3.3	6.0	6.3	5.7	6.0	4.7	5.7	5.3	4.7	4.3	5.0	5.2
NAI-FQZ-17	6.0	5.7	6.0	5.0	5.7	5.0	5.3	5.3	5.7	4.3	5.3	5.2
OKEEFE (LTP-TF-122)	5.3	5.3	7.0	5.3	6.0	5.0	5.3	5.7	5.3	4.3	4.7	5.2
PPG-TF 312	5.7	6.0	6.0	6.0	6.0	5.3	5.3	5.3	4.7	4.7	4.3	5.2
PROVIDENCE (GO-RH20)	5.3	7.3	6.7	5.7	5.7	5.3	5.3	5.0	4.7	4.7	5.0	5.2
RAPTOR III	5.7	6.3	5.3	5.7	6.3	5.0	5.0	5.7	5.3	3.7	4.7	5.2
RDC	5.0	7.0	6.0	5.7	6.3	4.7	5.3	5.3	5.3	4.3	4.3	5.2
RS1	6.3	4.7	5.7	5.3	5.0	5.0	5.3	5.7	5.7	4.3	5.3	5.2
SE5STAR	5.7	7.3	4.7	5.7	5.3	5.0	5.0	5.7	5.7	4.0	5.0	5.2
SETFM2	5.3	5.7	6.0	5.7	5.0	5.7	5.7	5.0	4.7	4.7	5.0	5.2
TANGO	3.0	6.7	4.3	5.3	5.7	5.0	5.3	5.3	5.0	4.7	5.0	5.2
TANK (PPG-TF 338)	6.3	5.3	3.7	5.3	5.7	5.3	5.7	5.0	5.0	4.3	5.0	5.2
TRIAD (PPG-TF 323)	6.0	5.7	4.7	5.0	6.0	5.3	5.7	5.3	5.0	4.3	5.0	5.2
BAR FA 8228	7.0	4.7	4.3	5.0	5.0	5.0	5.0	6.3	5.7	4.7	4.3	5.1

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2023 DATA

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
BAR-FA8230	7.0	5.0	5.3	5.0	6.3	5.0	5.3	5.0	5.0	4.3	4.7	5.1
EXPANSE (PPG-TF 262)	5.7	2.0	3.0	5.0	5.0	4.7	5.0	6.3	5.7	4.3	4.7	5.1
FIREHAWK SLT	6.3	4.7	5.3	5.0	5.7	5.3	5.3	5.0	5.0	4.7	5.0	5.1
JT 233	4.7	8.0	5.7	5.7	5.3	5.0	5.3	5.7	5.0	3.7	5.0	5.1
KIZZLE (K18-ROE)	5.3	4.3	6.3	4.7	5.7	4.7	5.0	5.7	5.3	4.3	5.3	5.1
PST-5GQ	4.3	6.7	7.3	5.3	5.7	5.3	5.7	5.0	4.7	4.0	5.3	5.1
PST-5THM	4.0	7.3	6.3	5.7	6.0	5.0	5.3	5.3	5.0	3.7	5.0	5.1
RHL2	7.3	5.0	5.7	5.0	5.0	5.0	5.3	6.0	6.0	4.0	4.7	5.1
SERENADE (PPG-TF 320)	5.3	4.7	4.3	5.3	6.3	5.0	5.3	5.3	4.3	4.3	5.0	5.1
TITAN GLX (TF445)	5.0	6.0	6.3	6.0	5.7	5.3	5.3	5.0	4.0	4.3	5.3	5.1
TOUGH (NAI-TUE)	6.3	3.3	5.3	5.3	5.3	5.0	5.3	5.0	5.3	4.7	5.0	5.1
AST8118LM	6.3	3.3	4.7	5.3	5.0	5.3	5.7	5.3	4.3	4.0	5.3	5.0
AST8218LM	6.0	4.0	4.3	5.3	4.7	5.3	5.3	5.3	5.0	4.7	4.7	5.0
ATF1768	6.3	4.3	5.0	5.3	5.0	5.3	5.0	5.0	4.7	4.0	5.3	5.0
BENTLEY (DLFPS-321/3679)	5.7	4.0	5.7	5.7	5.7	5.0	5.3	5.3	4.3	4.3	4.3	5.0
CLASH (AH1)	6.7	4.0	4.7	4.7	6.0	5.3	5.3	5.0	4.0	4.3	5.3	5.0
DLFPS-321/3694	5.7	5.0	3.7	5.3	5.7	5.3	5.3	5.0	4.0	4.3	5.0	5.0
DLFPS-321/3695	4.7	6.7	5.3	5.7	5.7	4.7	5.0	5.3	4.7	4.3	4.7	5.0
DLFPS-321/3708	7.7	5.3	3.7	5.0	6.0	5.0	5.0	5.7	5.3	4.0	4.3	5.0
DLFPS-TF/3553	4.7	4.7	4.3	5.3	5.0	4.7	5.0	5.0	5.0	4.3	5.3	5.0
ENDGAME (3N1)	5.7	5.7	5.0	5.0	5.3	5.0	5.0	6.0	5.3	3.7	5.0	5.0
ESTRENA	5.0	5.3	5.0	5.0	5.3	5.7	5.3	5.0	4.0	4.3	5.3	5.0
GALLARDO (DLFPS-TF/3550)	6.0	4.3	5.3	5.0	4.7	5.3	5.0	5.3	5.3	4.0	5.0	5.0
GRAND PRIX (FC15-01P)	4.7	8.0	5.7	6.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0
GRO-PRO (SE53D2)	6.3	4.3	5.0	5.0	5.7	5.0	5.0	5.0	4.7	4.7	5.3	5.0
KENTUCKY-31	4.3	6.0	5.7	6.0	5.7	5.0	5.3	5.3	4.0	4.0	4.7	5.0
OG-WALK	5.3	4.3	3.0	5.0	5.0	5.0	5.0	5.7	5.0	4.0	5.0	5.0
RAD-TF105	5.3	6.7	6.7	5.7	5.7	5.7	5.3	5.0	4.0	4.3	4.7	5.0
SOUTHSIDE(PPG-TF 267)	7.0	4.0	4.0	5.0	5.3	5.3	5.0	5.7	4.7	4.0	5.0	5.0
SPYDER 2LS (ZRC1)	5.0	6.3	5.7	5.7	5.3	5.0	5.3	5.3	5.0	3.7	5.0	5.0
TEACHER (PPG-TF 313)	5.0	6.7	4.0	5.3	5.3	5.0	5.3	6.0	5.3	3.7	4.0	5.0
ZION (BAR TF 134)	7.0	5.3	4.0	5.3	5.3	5.0	5.0	5.3	5.0	4.0	5.0	5.0
BARNOBLE (BAR 9FE MAS)	6.0	7.0	4.3	4.7	6.0	5.0	5.0	5.3	5.0	3.7	4.7	4.9
ESCALADE	5.7	4.7	5.3	5.0	5.0	5.0	5.7	5.0	4.0	4.3	5.0	4.9
FASTLANE (BY-TF-169)	5.3	6.3	5.7	5.3	5.7	5.0	5.3	5.0	4.3	4.3	4.3	4.9
K18-NSE	4.3	6.3	7.0	5.7	5.3	5.3	5.3	5.0	4.0	4.3	4.3	4.9
NAI-ST5	7.0	4.7	5.0	5.0	4.7	5.0	5.0	5.3	5.7	3.7	4.7	4.9
HOUNDOG NINE (DLFPS-321/3702)	5.0	7.0	5.3	5.0	6.0	4.7	5.0	5.0	4.3	4.3	4.3	4.8
LAFAYETTE (GO-AOMK)	5.7	5.3	5.7	5.3	5.7	5.0	5.0	5.0	4.0	3.7	4.7	4.8
PARAMOUNT	5.3	6.0	3.7	5.7	5.3	4.7	5.0	5.0	3.7	4.0	4.7	4.8
K18-RS6	5.7	5.7	4.3	4.3	5.0	5.0	5.0	5.3	5.0	3.3	4.3	4.7
PALOMAR	6.3	4.3	3.3	4.7	5.0	5.0	5.0	5.0	4.0	4.0	5.0	4.7
LSD VALUE	9.5	10.0	7.3	5.2	3.6	2.3	2.7	1.8	3.0	3.3	5.6	1.9
C.V. (%)	32.5	33.9	30.4	14.9	14.6	9.4	9.9	10.5	17.3	14.7	15.8	7.2

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

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

TABLE 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2023 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		
5LSS	2.3	63.3	7.3	8.0	6.3	7.0	7.0	6.7	7.1	
K18-NSE	2.3	66.7	6.7	8.7	6.7	7.3	7.0	6.3	7.1	
CLASH (AH1)	2.0	66.7	6.7	8.0	6.7	7.0	6.7	7.0	7.0	
BATTLE HAWK (NAI-ROS4)	1.7	66.7	7.0	8.0	6.7	7.0	6.3	6.3	6.9	
COL-TF-148	1.7	70.0	6.3	8.0	7.0	7.0	7.0	6.3	6.9	
DEGAS (LTP-TF-111)	2.0	66.7	6.7	8.3	6.7	7.3	6.7	6.0	6.9	
DRAGSTER	1.0	70.0	7.3	8.0	7.0	6.7	6.3	6.0	6.9	
ESTRENA	1.7	63.3	7.0	8.0	6.3	7.3	6.3	6.3	6.9	
EXPANSE (PPG-TF 262)	1.7	66.7	7.0	8.3	6.7	6.7	6.7	6.0	6.9	
FIREHAWK SLT	1.3	66.7	7.0	8.3	6.7	7.0	6.7	6.0	6.9	
GALACTIC (SESCR1)	2.0	63.3	7.3	8.0	6.3	6.7	6.7	6.7	6.9	
K18-RS6	1.7	63.3	7.7	8.0	6.3	7.0	6.3	6.0	6.9	
PARAMOUNT	1.7	66.7	7.3	8.0	6.7	7.0	6.3	6.0	6.9	
DLFPS-321/3693	2.3	63.3	6.3	8.3	6.3	7.0	6.7	6.0	6.8	
DLFPS-321/3706	1.3	66.7	6.7	8.0	6.7	6.7	6.3	6.3	6.8	
DLFPS-TF/3553	2.0	66.7	6.3	8.0	6.7	6.3	7.0	6.3	6.8	
FIRECRACKER G-LS (PPG-TF 315)	1.0	66.7	6.7	8.0	6.7	7.0	6.7	6.0	6.8	
OKEEFE (LTP-TF-122)	1.7	63.3	6.7	8.0	6.3	6.7	7.0	6.0	6.8	
PPG-TF 231	2.0	66.7	7.0	8.0	6.7	6.7	6.7	6.0	6.8	
PPG-TF 312	2.0	66.7	6.0	8.0	6.7	7.0	7.0	6.0	6.8	
PRO GOLD	1.3	66.7	7.0	8.0	6.7	7.0	6.0	6.0	6.8	
SOUTHSIDE (PPG-TF 267)	1.7	70.0	6.3	8.3	7.0	6.7	6.3	6.0	6.8	
TALLADEGA II (NAI-3N2)	1.3	63.3	6.7	8.0	6.3	7.0	6.7	6.0	6.8	
TD2	2.7	63.3	6.3	8.0	6.3	7.0	7.0	6.3	6.8	
TEACHER (PPG-TF 313)	1.3	66.7	6.0	8.0	6.7	7.0	7.0	6.3	6.8	
VALSETZ (PPG-TF 257)	1.0	66.7	6.3	8.0	6.7	7.0	7.0	6.0	6.8	
AVENGER III (PPG-TF 308)	1.7	63.3	6.7	8.0	6.3	6.7	6.3	6.0	6.7	
BONFIRE (JS DTT)	1.0	60.0	6.3	8.0	6.0	6.7	7.3	6.0	6.7	
BULLSEYE	1.7	66.7	6.7	8.0	6.7	6.7	6.0	6.0	6.7	
CAPITAN (DLFPS-321/3705)	1.0	66.7	6.0	8.0	6.7	6.7	6.7	6.0	6.7	
COPIOUS TF	1.3	70.0	6.3	8.0	7.0	6.7	6.3	6.0	6.7	
DLFPS-321/3694	2.3	60.0	6.7	8.0	6.0	7.0	6.7	6.0	6.7	
DYNAMITE G-LS (PPG-TF 254)	2.0	63.3	7.3	8.0	6.3	6.7	6.0	6.0	6.7	
ENDGAME (3N1)	1.3	63.3	6.7	8.0	6.3	7.0	6.0	6.0	6.7	
EXTRAVAGANZA (PST-5MCMO)	1.3	56.7	7.0	8.0	5.7	7.0	6.3	6.0	6.7	
FASTLANE (BY-TF-169)	1.3	63.3	7.0	7.7	6.3	7.0	6.3	6.0	6.7	
FAYETTE	2.0	60.0	7.0	8.0	6.0	7.0	6.0	6.0	6.7	
FINELAWN SUPREME (RH3)	1.3	66.7	6.0	8.0	6.7	7.0	6.3	6.0	6.7	
HOUND OG NINE (DLFPS-321/3702)	2.0	66.7	6.7	8.0	6.7	6.3	6.7	6.0	6.7	
K18-WB1	1.3	63.3	6.0	8.0	6.3	6.7	7.0	6.0	6.7	
KIZZLE (K18-ROE)	1.7	60.0	6.7	8.0	6.0	7.0	6.3	6.3	6.7	
ORIOLE (PST-5BYOB)	1.0	63.3	7.0	8.0	6.3	7.0	6.0	6.0	6.7	
PPG-TF 249	2.3	66.7	6.7	7.7	6.7	7.0	6.3	6.0	6.7	
PPG-TF 318	1.3	63.3	6.7	8.0	6.3	6.7	6.7	6.0	6.7	
RACEWAY (DLFPS-321/3696)	2.7	63.3	7.0	8.0	6.3	7.0	6.0	6.0	6.7	

TABLE 15.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2023 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		
RHL2	2.0	66.7	6.0	7.7	6.7	7.0	7.0	6.0	6.7	
ROVER (PPG-TF 306)	1.0	66.7	6.0	8.0	6.7	7.0	6.3	6.0	6.7	
SETFM2	1.3	66.7	6.7	8.0	6.7	7.0	6.0	6.0	6.7	
SPYDER 2LS (ZRC1)	1.0	60.0	6.0	8.0	6.0	7.0	7.0	6.3	6.7	
STEALTH (PPG-TF 238)	1.3	66.7	6.0	8.0	6.7	6.7	6.7	6.0	6.7	
SYMPHONY (PPG-TF 305)	1.7	70.0	6.0	8.0	7.0	7.0	6.3	6.0	6.7	
TRIAD (PPG-TF 323)	1.0	63.3	6.7	8.0	6.3	6.7	6.3	6.0	6.7	
XANADU (JT 268)	1.7	63.3	6.0	8.3	6.3	7.0	6.7	6.0	6.7	
ZION (BAR TF 134)	2.0	66.7	6.3	7.7	6.7	7.0	6.7	6.0	6.7	
3B2	2.0	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BANDIT	1.0	63.3	6.3	7.3	6.3	7.0	6.3	6.0	6.6	
BENTLEY (DLFPS-321/3679)	2.3	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BULLSEYE LTZ	1.3	66.7	6.0	7.7	6.7	6.3	7.0	6.0	6.6	
GALLARDO (DLFPS-TF/3550)	1.0	60.0	6.0	8.0	6.0	7.0	6.3	6.0	6.6	
GRANDE 3	2.3	56.7	6.0	8.0	5.7	7.0	6.7	6.3	6.6	
HELLCAT GLR (PST-5E6)	1.7	60.0	6.0	8.0	6.0	7.0	6.3	6.3	6.6	
LBF	1.3	66.7	6.0	8.0	6.7	6.7	6.0	6.0	6.6	
MOONDANCE GLX	1.7	60.0	7.0	7.7	6.0	6.7	6.0	6.0	6.6	
NAI-ST5	2.3	66.7	6.3	8.0	6.7	6.7	6.0	6.0	6.6	
NATURALLY GREEN	1.0	60.0	6.7	8.0	6.0	6.7	6.0	6.0	6.6	
PADRE 2	2.3	63.3	6.7	8.0	6.3	6.7	6.0	6.0	6.6	
PPG-TF 316	1.3	63.3	6.3	8.0	6.3	7.0	6.3	5.7	6.6	
PROVIDENCE (GO-RH20)	1.7	60.0	6.0	7.7	6.0	7.0	6.7	6.0	6.6	
PST-5DZM	1.3	60.0	6.3	8.0	6.0	6.7	6.3	6.0	6.6	
PST-5MINK	1.7	60.0	6.3	8.0	6.0	7.0	6.3	5.7	6.6	
PST-5THM	1.3	63.3	7.0	8.0	6.3	6.7	6.0	5.7	6.6	
PST-5TRN	1.0	63.3	6.3	7.7	6.3	7.0	6.0	6.0	6.6	
RAD-TF105	1.3	63.3	6.0	8.0	6.3	7.0	6.0	6.0	6.6	
RAPTOR III	1.7	60.0	6.7	8.0	6.0	6.7	6.3	6.0	6.6	
RAPTOR LS (PPG-TF 336)	2.0	63.3	6.3	8.0	6.3	6.7	6.3	6.0	6.6	
RC4	1.7	63.3	6.3	8.0	6.3	6.7	6.3	6.0	6.6	
RHF	1.3	63.3	6.0	8.0	6.3	7.0	6.0	6.0	6.6	
SE5STAR	1.3	60.0	6.7	8.0	6.0	6.7	6.0	6.0	6.6	
SERENADE (PPG-TF 320)	2.3	60.0	7.0	8.3	6.0	6.3	6.0	6.0	6.6	
SETFM3	1.0	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
TOUGH (NAI-TUE)	1.7	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BLADERUNNER 3 (DLFPS-321/3701)	1.3	63.3	6.0	8.0	6.3	6.7	6.0	6.0	6.5	
DLFPS-321/3703	2.0	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
ESSENTIAL 2 (DLFPS-TF/3552)	1.7	60.0	6.0	8.0	6.0	7.0	6.0	6.0	6.5	
GLX ACED (PST-5DART)	1.3	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
HEMI	1.3	60.0	6.3	8.0	6.0	6.3	6.3	6.0	6.5	
JT 233	2.0	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
JT 517	2.0	60.0	6.0	8.0	6.0	6.7	6.3	6.0	6.5	
MONUMENT (PST-5SQB)	1.0	60.0	6.3	8.0	6.0	7.0	6.0	5.7	6.5	
PPG-TF 337	1.0	63.3	5.7	8.0	6.3	6.7	6.3	6.0	6.5	

TABLE 15.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2023 DATA

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

NAME	PERCENT GROUND		QUALITY RATINGS							MEAN
	SPRING GREENUP	COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
PST-5GQ	1.3	63.3	6.3	8.0	6.3	6.7	6.0	5.7	6.5	
ROWDIER (DLFPS-321/3699)	2.0	56.7	5.7	8.0	5.7	6.7	6.7	6.3	6.5	
TITAN GLX (TF445)	1.3	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
TITANIUM G-LS (PPG-TF 255)	1.7	60.0	6.3	8.0	6.0	6.3	6.3	6.0	6.5	
AST8118LM	1.0	63.3	5.7	7.7	6.3	7.0	6.0	6.0	6.4	
AST8218LM	1.0	56.7	6.3	7.7	5.7	7.0	6.0	6.0	6.4	
ATF2116	2.0	53.3	6.7	7.7	5.3	7.0	6.0	5.7	6.4	
BIRMINGHAM	2.3	63.3	6.3	7.3	6.3	6.7	6.0	5.7	6.4	
DLFPS-321/3695	1.3	56.7	6.3	7.7	5.7	6.7	6.0	6.0	6.4	
DLFPS-321/3707	1.3	63.3	5.7	8.0	6.3	6.7	6.0	6.0	6.4	
FAIRFIELD (SETF104)	1.0	63.3	5.7	7.7	6.3	7.0	6.0	6.0	6.4	
FALCON SUPREME (RH1)	1.3	60.0	6.0	8.0	6.0	6.7	6.0	6.0	6.4	
GLX REVIVE (PST-5GLBS)	1.7	60.0	6.3	8.0	6.0	6.7	6.0	5.7	6.4	
GRO-PRO (SE53D2)	1.0	60.0	6.3	7.7	6.0	6.7	6.0	6.0	6.4	
LIFEGUARD	1.3	56.7	6.0	8.0	5.7	6.7	6.3	6.0	6.4	
NT-3	2.0	60.0	6.0	7.7	6.0	6.3	6.3	6.3	6.4	
PST-5DC24	1.7	60.0	6.0	8.0	6.0	6.7	6.0	6.0	6.4	
RDC	1.3	60.0	6.0	8.0	6.0	6.3	6.0	6.0	6.4	
RS1	2.0	60.0	5.7	7.7	6.0	7.0	6.0	6.0	6.4	
TANGO	1.3	56.7	6.3	7.7	5.7	6.7	6.3	6.0	6.4	
TANK (PPG-TF 338)	1.3	63.3	5.7	8.0	6.3	6.7	6.0	6.0	6.4	
TITAN MAX (TF456)	1.3	56.7	6.3	8.0	5.7	6.7	6.0	6.0	6.4	
TOPSHELF (BGR-TF3)	2.0	56.7	6.7	8.0	5.7	6.3	6.0	6.0	6.4	
ATF1768	2.0	60.0	6.3	8.0	6.0	6.3	6.0	5.3	6.3	
BRAVO 2	2.3	56.7	6.7	7.7	5.7	6.7	5.7	5.7	6.3	
DLFPS-321/3708	1.7	60.0	5.7	7.7	6.0	6.7	6.0	6.0	6.3	
ESCALADE	1.0	53.3	6.7	7.3	5.3	6.3	6.0	6.0	6.3	
FIRENZA II (PPG-TF 244)	1.3	60.0	5.0	8.0	6.0	6.7	6.3	6.0	6.3	
GRAND PRIX (FC15-01P)	1.0	53.3	6.3	8.0	5.3	6.7	5.7	5.7	6.3	
NAI-FQZ-17	1.7	60.0	6.0	7.7	6.0	6.7	6.0	5.7	6.3	
SR 8700 (TMT1)	2.0	53.3	6.0	7.7	5.3	6.3	6.3	6.0	6.3	
BAR FA 8228	1.0	56.7	6.0	7.7	5.7	6.7	5.7	5.3	6.2	
BARNOBLE (BAR 9FE MAS)	1.3	56.7	5.3	7.3	5.7	7.0	6.0	6.0	6.2	
DAYBREAK (AH2)	2.0	46.7	6.0	7.7	4.7	6.3	6.3	6.0	6.2	
A-TF31	1.0	60.0	5.0	7.3	6.0	6.0	6.0	6.0	6.1	
BAR-FA8230	1.3	56.7	6.0	7.3	5.7	6.7	5.3	5.3	6.1	
OG-WALK	1.0	50.0	6.0	7.3	5.0	6.0	5.7	6.0	6.0	
PALOMAR	1.7	53.3	5.7	7.0	5.3	6.3	6.0	5.7	6.0	
LAFAYETTE (GO-AOMK)	1.3	56.7	5.0	7.0	5.7	6.3	5.7	6.0	5.9	
RAD-TF131	1.0	56.7	4.7	6.7	5.7	6.7	6.0	6.0	5.9	
RAD-TF115 (TURBO SS)	1.0	60.0	4.3	6.3	6.0	6.0	6.0	5.7	5.7	
KENTUCKY-31	2.7	40.0	6.3	7.0	4.0	6.0	5.0	4.3	5.4	
LSD VALUE	2.7	22.0	1.4	0.6	2.2	2.4	0.9	0.6	0.5	
C.V. (%)	46.0	11.4	10.4	4.0	11.4	7.1	7.3	5.3	4.0	

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

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

TABLE 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
DLFPS-321/3708	7.3	6.0	7.0	6.3	6.3	6.7	6.7	7.0	7.7	6.8
TD2	7.3	6.0	7.0	6.7	6.7	6.0	7.0	7.0	7.0	6.8
BONFIRE (JS DTT)	7.0	6.0	6.7	7.0	6.7	6.3	6.7	6.7	7.0	6.7
DLFPS-321/3707	7.0	6.3	6.7	6.7	6.0	6.3	6.7	7.0	7.7	6.7
GALLARDO (DLFPS-TF/3550)	7.0	6.0	6.7	6.3	6.0	7.0	6.3	7.0	7.3	6.7
5LSS	6.0	6.3	6.7	7.0	6.0	6.3	6.3	6.7	7.0	6.6
BLADERUNNER 3 (DLFPS-321/3701)	7.3	6.0	7.0	6.0	6.7	6.7	5.7	6.7	7.7	6.6
BULLSEYE LTZ	7.0	6.3	7.0	6.7	6.0	6.7	6.3	6.3	7.3	6.6
DEGAS (LTP-TF-111)	6.7	6.0	7.0	6.7	6.3	6.7	6.3	6.0	7.0	6.6
DLFPS-321/3695	7.3	6.0	6.3	6.3	6.7	6.7	6.3	7.0	6.7	6.6
DLFPS-321/3706	7.0	6.0	6.7	6.3	6.0	6.7	6.3	7.0	7.3	6.6
EXPANSE (PPG-TF 262)	7.0	6.0	6.0	6.3	6.3	6.3	6.7	7.0	7.3	6.6
PPG-TF 312	7.0	5.7	7.0	6.7	6.3	6.3	6.0	6.7	7.3	6.6
SYMPHONY (PPG-TF 305)	6.7	6.0	7.0	6.3	6.7	6.3	6.0	6.7	7.0	6.6
DLFPS-TF/3553	7.0	6.0	6.7	6.7	6.3	6.0	6.3	6.7	7.0	6.5
JT 517	7.3	6.0	6.3	6.7	6.7	6.3	5.7	6.7	7.3	6.5
PPG-TF 231	7.3	6.7	6.3	6.3	6.3	6.3	6.7	7.0	6.5	6.5
PPG-TF 316	7.0	6.0	7.0	6.3	6.3	6.3	6.0	6.3	7.0	6.5
TITAN GLX (TF445)	7.0	6.0	7.0	6.3	6.0	6.0	6.3	6.7	7.0	6.5
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	7.0	6.3	6.3	6.3	6.3	6.3	7.0	6.5
FINELAWN SUPREME (RH3)	7.3	5.7	6.0	6.3	6.3	6.0	6.7	6.7	7.0	6.4
HOUNDOG NINE (DLFPS-321/3702)	7.0	6.0	6.7	6.3	6.3	6.0	6.0	6.7	7.0	6.4
JT 233	7.3	6.0	6.7	6.0	6.3	5.7	6.3	6.7	7.0	6.4
K18-RS6	7.0	6.0	6.3	6.0	6.7	6.0	6.0	6.7	7.3	6.4
NAI-ST5	7.0	5.0	7.0	6.0	6.7	6.7	6.3	5.7	6.7	6.4
RHL2	6.7	6.0	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.4
ROVER (PPG-TF 306)	7.0	5.7	6.3	7.0	5.7	6.7	6.0	6.0	7.0	6.4
ROWDIER (DLFPS-321/3699)	7.0	6.0	6.7	6.3	6.3	6.3	6.0	6.0	7.0	6.4
SERENADE (PPG-TF 320)	7.0	6.0	6.3	6.0	6.0	6.3	6.3	6.7	7.0	6.4
TANK (PPG-TF 338)	7.0	6.0	6.3	6.7	6.3	6.3	6.3	6.3	6.3	6.4
TEACHER (PPG-TF 313)	7.0	5.7	6.0	6.3	6.0	6.7	6.3	6.0	7.3	6.4
A-TF31	7.0	6.3	6.3	6.0	6.3	6.3	6.0	6.3	6.7	6.3
AVENGER III (PPG-TF 308)	7.0	5.7	7.3	6.0	6.0	6.3	6.0	5.7	7.0	6.3
CAPITAN (DLFPS-321/3705)	7.0	6.3	6.3	5.7	6.0	6.0	6.3	6.7	7.3	6.3
DAYBREAK (AH2)	6.7	6.0	6.0	6.0	6.7	7.0	5.7	5.7	7.3	6.3
HEMI	6.7	6.0	6.7	6.3	6.3	6.0	5.7	6.3	6.7	6.3
K18-WB1	7.0	5.7	6.7	6.0	6.0	6.3	6.3	6.0	7.0	6.3
NT-3	6.7	6.0	6.3	6.0	6.0	6.0	6.3	6.3	7.0	6.3
PPG-TF 249	7.0	6.3	5.7	6.3	6.0	6.3	6.0	6.7	7.0	6.3
PST-5TRN	7.0	6.0	6.3	6.3	6.7	6.0	5.3	6.3	7.0	6.3
RS1	7.0	5.7	7.0	6.0	6.0	6.0	5.7	6.7	7.0	6.3
SOUTHSIDE (PPG-TF 267)	7.0	6.0	7.0	6.3	6.3	5.7	5.7	6.3	6.7	6.3
ZION (BAR TF 134)	6.7	6.0	6.3	6.3	6.3	5.7	5.7	6.3	7.3	6.3
ATF1768	6.7	6.3	5.3	6.3	5.7	6.0	6.0	7.0	7.3	6.2
DLFPS-321/3694	7.0	6.0	6.0	6.0	6.3	5.3	6.0	6.7	7.0	6.2

TABLE 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS								MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT		
DRAGSTER	7.0	6.7	6.7	6.0	6.3	5.7	5.7	6.0	7.0	6.2	
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.3	6.3	6.0	5.7	6.3	6.0	6.7	6.7	6.2	
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.0	6.7	6.0	5.3	6.3	6.0	6.3	7.0	6.2	
FIRENZA II (PPG-TF 244)	7.3	6.7	7.0	6.7	5.7	6.0	6.0	6.0	6.3	6.2	
GALACTIC (SESCR1)	7.0	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.7	6.2	
GLX ACED (PST-5DART)	7.0	6.3	6.3	6.3	6.0	6.7	6.0	5.7	6.7	6.2	
HELLCAT GLR (PST-5E6)	7.0	6.3	7.0	6.7	6.0	5.7	5.3	6.3	6.7	6.2	
PPG-TF 318	7.0	6.7	7.0	6.0	5.7	6.0	6.0	6.0	7.0	6.2	
RAD-TF115 (TURBO SS)	7.0	6.3	6.7	6.3	6.0	6.0	6.0	5.7	6.7	6.2	
RDC	7.0	6.3	6.7	6.3	6.0	6.0	5.7	6.3	6.7	6.2	
SPYDER 2LS (ZRC1)	7.0	6.3	6.7	6.0	6.0	6.0	5.7	6.0	7.0	6.2	
BATTLE HAWK (NAI-ROS4)	7.3	6.0	6.7	5.7	5.7	6.3	5.7	6.0	7.0	6.1	
ENDGAME (3N1)	7.0	5.7	7.0	6.3	5.7	6.3	5.3	5.3	7.0	6.1	
LIFEGUARD	6.7	6.0	6.0	6.3	6.7	6.0	5.7	6.0	6.3	6.1	
OKEEFE (LTP-TF-122)	7.0	6.0	6.3	5.3	6.3	6.3	6.7	5.7	6.3	6.1	
PST-5DC24	7.7	6.0	6.3	6.7	5.7	6.0	5.7	6.0	6.7	6.1	
PST-5DZM	7.0	6.0	6.0	6.3	5.7	6.0	5.7	6.3	6.7	6.1	
RAD-TF105	7.3	6.0	7.0	6.0	5.7	6.0	5.3	5.7	7.0	6.1	
RC4	7.0	5.7	5.7	6.0	5.7	6.3	6.3	6.0	7.0	6.1	
SR 8700 (TMT1)	7.0	6.0	6.3	6.3	6.0	6.3	5.3	6.0	6.7	6.1	
STEALTH (PPG-TF 238)	6.7	6.0	6.7	6.3	5.7	6.0	5.0	6.0	7.0	6.1	
TALLADEGA II (NAI-3N2)	7.0	6.0	6.3	5.7	5.0	6.0	6.3	6.0	7.3	6.1	
TITAN MAX (TF456)	6.7	6.0	6.7	6.0	6.0	6.0	5.7	6.0	6.7	6.1	
TRIAD (PPG-TF 323)	7.0	6.3	6.3	6.0	5.3	6.0	6.3	6.0	6.7	6.1	
BAR-FA8230	7.0	5.7	6.0	6.0	5.3	6.0	5.7	6.0	6.7	6.0	
DLFPS-321/3693	6.7	6.0	6.3	5.7	5.7	6.0	5.7	6.0	7.0	6.0	
DLFPS-321/3703	6.7	6.0	6.7	6.3	6.3	6.0	5.7	5.3	6.0	6.0	
ESTRENA	6.7	6.0	6.3	6.3	5.7	6.3	5.3	6.3	6.0	6.0	
FASTLANE (BY-TF-169)	6.7	6.0	6.3	6.3	5.7	6.0	5.3	5.7	6.3	6.0	
FAYETTE	7.3	6.0	6.7	5.7	5.7	5.7	5.0	6.0	7.3	6.0	
FIREHAWK SLT	7.0	6.0	6.0	6.0	5.7	6.0	6.0	5.7	6.3	6.0	
K18-NSE	6.7	6.0	6.0	5.7	6.3	6.0	6.0	5.7	6.3	6.0	
KIZZLE (K18-ROE)	6.7	5.3	6.7	6.0	5.7	5.3	6.0	5.7	7.0	6.0	
ORIOLE (PST-5BYOB)	7.0	6.0	6.7	6.0	6.0	5.3	5.3	6.0	7.0	6.0	
PADRE 2	7.0	5.3	6.7	6.0	5.3	5.7	5.7	6.0	6.7	6.0	
PROVIDENCE (GO-RH20)	7.0	6.0	6.7	6.0	5.7	5.7	5.7	6.0	6.7	6.0	
PST-5GQ	6.7	5.7	6.0	6.3	5.7	6.0	5.3	6.0	6.7	6.0	
RACEWAY (DLFPS-321/3696)	7.0	5.7	6.0	6.0	5.3	6.3	5.7	6.0	6.7	6.0	
RAPTOR III	6.7	6.0	6.0	5.3	6.0	6.3	6.0	5.7	7.0	6.0	
SE5STAR	7.3	5.0	6.0	5.7	5.7	6.0	5.3	6.3	6.7	6.0	
SETFM3	7.0	6.0	6.3	6.3	5.3	5.3	5.7	6.0	7.0	6.0	
TOUGH (NAI-TUE)	7.3	6.0	6.3	5.3	5.7	6.0	5.7	6.0	6.7	6.0	
XANADU (JT 268)	7.0	6.0	7.0	6.0	5.7	5.3	5.3	5.7	6.7	6.0	
BENTLEY (DLFPS-321/3679)	6.7	6.3	5.7	6.3	6.0	5.7	5.7	5.7	6.0	5.9	
CLASH (AH1)	7.0	6.0	5.7	6.0	5.3	6.0	5.3	6.0	7.0	5.9	

TABLE 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER 1.5" MOWING HEIGHT AT BLACKSBURG, VA 1/
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							
			APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
COL-TF-148	7.3	5.7	5.7	5.7	6.0	5.7	6.3	5.3	6.7	5.9
DYNAMITE G-LS (PPG-TF 254)	7.0	6.0	5.7	6.3	5.7	5.3	5.7	5.7	7.0	5.9
FAIRFIELD (SETF104)	7.3	6.3	6.0	6.0	6.0	5.7	5.3	5.7	6.7	5.9
MOONDANCE GLX	6.3	6.3	6.7	5.7	5.0	5.7	6.0	6.0	6.3	5.9
PARAMOUNT	7.0	5.7	6.0	5.3	6.0	5.7	5.7	5.7	6.7	5.9
RAPTOR LS (PPG-TF 336)	7.3	6.3	6.3	6.7	5.7	5.7	5.7	5.0	6.0	5.9
EXTRAVAGANZA (PST-5MCMO)	7.0	6.3	6.3	6.3	5.7	5.0	5.0	6.0	6.3	5.8
FALCON SUPREME (RH1)	7.3	5.7	6.3	6.0	5.3	5.3	5.3	5.7	6.7	5.8
NAI-FQZ-17	7.3	5.0	5.7	5.0	5.3	6.0	6.0	6.0	6.7	5.8
PPG-TF 337	7.3	6.0	5.7	6.0	5.7	5.3	6.0	5.7	6.3	5.8
PRO GOLD	6.7	6.0	6.0	6.3	5.7	5.3	5.0	5.3	6.7	5.8
SETFM2	7.3	5.7	6.3	6.0	5.3	5.7	5.0	5.3	6.7	5.8
TOPSHELF (BGR-TF3)	7.7	6.0	7.3	6.0	5.0	5.3	4.7	5.3	6.7	5.8
3B2	7.3	6.0	6.0	5.3	5.3	5.3	5.0	6.0	6.7	5.7
AST8218LM	7.7	5.7	6.3	5.7	5.0	5.7	5.0	5.7	6.7	5.7
BANDIT	7.3	5.7	6.3	5.7	5.3	5.7	5.0	5.7	6.3	5.7
BRAVO 2	6.7	5.7	6.0	5.3	5.7	5.7	5.0	6.0	6.3	5.7
GLX REVIVE (PST-5GLBS)	6.3	5.7	6.3	5.3	5.3	5.3	5.0	6.0	6.3	5.7
GRANDE 3	7.0	5.7	6.3	6.0	5.3	5.3	5.0	5.7	6.3	5.7
LBF	7.3	6.0	6.0	6.0	5.3	5.3	5.0	5.7	6.7	5.7
RAD-TF131	7.3	5.3	6.3	5.3	6.0	5.3	5.3	5.3	6.3	5.7
VALSETZ (PPG-TF 257)	7.7	6.0	6.0	5.7	5.3	5.7	5.0	5.3	6.7	5.7
BULLSEYE	6.7	6.0	6.0	5.3	5.7	5.3	5.0	5.7	6.3	5.6
COPIOUS TF	7.7	5.3	6.3	5.7	5.3	5.3	4.7	5.3	6.3	5.6
GRO-PRO (SE53D2)	7.3	6.7	6.0	5.7	5.0	5.3	5.7	5.3	6.3	5.6
PST-5THM	7.0	6.0	6.0	5.7	5.7	5.7	4.7	5.0	6.3	5.6
ESCALADE	6.0	5.7	6.7	5.3	5.3	5.3	4.7	5.3	6.0	5.5
MONUMENT (PST-5SQB)	7.0	5.7	6.0	5.3	5.0	5.3	5.3	5.7	6.0	5.5
RHF	6.7	6.3	5.7	5.3	5.3	5.3	5.7	5.0	6.0	5.5
ATF2116	7.3	5.7	5.7	5.3	5.3	5.0	4.7	5.3	6.3	5.4
BARNOBLE (BAR 9FE MAS)	7.3	6.0	5.7	5.0	5.3	5.3	5.0	5.7	5.7	5.4
BIRMINGHAM	6.7	5.3	6.0	5.0	5.3	5.0	5.0	5.3	6.0	5.4
NATURALLY GREEN	7.3	5.7	5.7	5.0	5.3	5.0	5.0	5.3	6.3	5.4
PST-5MINK	7.0	5.3	5.3	5.7	6.0	5.3	4.7	5.0	5.7	5.4
AST8118LM	7.0	6.0	5.3	5.7	4.7	5.7	4.7	5.3	6.0	5.3
LAFAYETTE (GO-AOMK)	6.7	5.7	5.7	6.0	5.0	5.0	4.7	4.7	6.0	5.3
TANGO	7.0	5.7	6.0	4.7	5.0	5.3	4.7	5.0	6.3	5.3
BAR FA 8228	7.0	5.0	5.7	4.3	5.0	5.3	4.7	5.3	5.3	5.1
GRAND PRIX (FC15-01P)	6.7	5.7	5.7	5.0	4.3	5.0	4.7	5.0	6.0	5.1
PALOMAR	6.7	6.0	6.0	5.0	4.0	4.7	4.3	5.3	5.7	5.0
OG-WALK	6.3	5.0	6.0	4.7	4.3	4.3	4.0	4.3	5.0	4.7
KENTUCKY-31	3.0	2.0	2.7	2.0	2.3	2.3	2.0	2.0	2.7	2.3
LSD VALUE	0.8	1.1	2.4	1.3	1.3	1.3	1.3	2.2	1.3	0.9
C.V. (%)	6.5	9.4	13.0	11.5	12.2	11.4	12.5	15.1	10.0	8.3

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

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

TABLE 17.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	GA1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
COPIOUS TF	6.7	7.7	9.0	6.3	7.0	7.7	8.7	7.0	7.0	6.3	5.7	6.7	7.7	7.2
AST8218LM	6.7	7.3	9.0	7.3	7.0	7.7	8.3	7.0	6.3	7.0	5.0	7.0	7.7	7.2
TOPSHELF (BGR-TF3)	6.3	7.0	9.0	6.7	7.3	7.7	8.0	7.3	7.0	6.7	5.3	6.7	7.7	7.1
NATURALLY GREEN	7.0	7.7	8.7	7.0	7.0	6.7	8.3	7.0	7.0	6.7	5.3	7.0	7.3	7.1
SETFM2	6.3	7.0	9.0	7.3	7.3	7.3	8.7	7.0	6.3	6.7	5.3	6.7	7.3	7.1
RAD-TF131	7.0	7.7	9.0	6.3	7.3	7.0	8.0	7.0	6.3	6.7	5.3	6.7	7.3	7.1
RAD-TF105	7.0	8.0	9.0	6.0	7.0	7.0	8.7	7.0	6.7	6.7	5.0	6.3	7.3	7.1
LBF	6.7	7.7	8.3	6.0	7.3	7.0	8.0	7.0	6.7	7.0	5.3	6.3	7.3	7.0
TOUGH (NAI-TUE)	7.0	7.3	8.7	6.0	7.0	8.0	8.7	7.3	6.0	6.3	5.3	5.7	7.3	7.0
A-TF31	6.7	8.0	9.0	6.0	7.0	6.7	8.3	7.0	6.7	6.7	5.0	6.0	7.0	6.9
BANDIT	7.0	7.7	8.7	6.3	7.0	7.7	8.0	7.0	6.0	6.3	5.0	6.0	7.3	6.9
DLFPS-321/3708	6.7	7.0	9.0	6.7	7.0	6.7	8.7	7.3	6.0	6.0	5.0	6.7	7.3	6.9
AST8118LM	7.0	7.3	9.0	6.3	7.0	7.3	7.7	7.3	6.0	6.3	5.3	6.3	7.0	6.9
LAFAYETTE (GO-AOMK)	6.3	7.0	9.0	6.7	7.0	6.7	8.3	7.3	6.3	6.3	5.0	7.0	6.7	6.9
JT 517	6.3	7.3	9.0	7.0	7.0	6.7	7.7	7.0	6.0	6.3	5.7	6.3	7.3	6.9
RAD-TF115 (TURBO SS)	7.3	7.0	9.0	7.0	7.3	6.3	8.0	7.0	6.0	6.3	5.0	6.3	7.0	6.9
RACEWAY (DLFPS-321/3696)	7.0	7.3	8.7	6.0	7.0	7.0	8.3	7.0	6.0	6.7	5.7	5.7	7.0	6.9
SETFM3	7.0	7.0	9.0	5.7	7.3	6.7	8.0	6.7	6.0	7.0	6.0	6.0	7.0	6.9
TANK (PPG-TF 338)	7.0	7.3	9.0	6.0	7.0	7.3	8.0	7.0	6.0	6.7	5.3	5.7	7.0	6.9
NAI-FQZ-17	6.7	7.0	8.7	7.3	7.0	7.3	8.0	7.0	6.0	6.0	5.0	5.7	7.3	6.8
JT 233	6.7	7.0	9.0	6.7	7.0	7.7	8.0	7.0	6.0	6.3	5.3	5.0	7.3	6.8
VALSETZ (PPG-TF 257)	7.0	7.0	9.0	6.3	7.0	7.0	8.0	7.0	6.0	6.0	5.7	5.0	7.7	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	9.0	6.0	7.0	6.7	8.3	7.0	6.0	6.3	5.3	5.7	7.0	6.8
XANADU (JT 268)	7.3	7.0	9.0	5.0	7.0	7.0	8.0	7.0	7.0	6.3	5.0	5.7	7.0	6.8
AVENGER III (PPG-TF 308)	7.0	7.3	9.0	6.7	7.3	6.7	7.7	7.0	6.0	6.3	5.3	5.0	7.0	6.8
EXPANSE (PPG-TF 262)	6.7	7.3	9.0	5.7	7.3	6.7	7.0	7.0	6.0	6.3	6.0	6.0	7.0	6.8
FAIRFIELD (SETF104)	7.0	7.0	8.7	6.3	7.0	6.3	8.0	7.0	6.0	6.3	5.0	6.0	7.3	6.8
PPG-TF 249	7.0	7.0	9.0	5.7	7.0	6.7	8.0	7.0	6.7	6.3	5.7	5.0	7.0	6.8
PST-5DC24	6.3	7.0	8.3	6.7	7.0	6.3	8.0	7.3	6.0	6.3	5.3	5.7	7.7	6.8
DLFPS-321/3703	6.7	7.0	8.7	6.7	7.0	7.0	8.0	6.7	6.0	6.7	5.7	5.0	6.7	6.7
NAI-ST5	6.7	7.3	9.0	5.7	7.0	7.0	8.7	7.0	6.0	6.0	5.0	5.3	7.0	6.7
PPG-TF 231	7.0	7.0	9.0	5.7	7.0	6.7	8.0	7.0	6.3	6.7	5.0	5.0	7.3	6.7
RAPTOR III	7.0	7.0	9.0	6.0	7.3	6.7	7.7	7.0	6.0	6.0	5.7	5.7	6.7	6.7
ROWDIER (DLFPS-321/3699)	7.0	7.0	9.0	5.7	7.0	6.3	8.3	7.0	6.0	6.3	5.0	6.0	7.0	6.7
ATF2116	6.3	6.7	8.7	6.3	7.0	7.0	7.7	7.0	6.0	6.7	5.0	6.0	7.3	6.7
GALLARDO (DLFPS-TF/3550)	7.0	7.3	8.7	6.0	7.0	6.0	8.0	7.0	7.0	6.0	5.3	5.3	7.0	6.7
SR 8700 (TMT1)	7.0	6.7	9.0	6.7	7.0	6.7	8.0	7.0	6.0	6.0	5.3	5.3	7.0	6.7
TD2	7.0	7.0	8.3	6.7	7.3	6.3	7.3	7.0	6.0	6.0	6.0	5.3	7.3	6.7
BIRMINGHAM	6.3	6.3	9.0	6.0	7.0	7.3	8.0	7.0	6.3	6.3	5.0	6.0	6.7	6.7
BARNOBLE (BAR 9FE MAS)	6.0	7.7	8.7	6.3	7.0	6.7	8.0	7.0	6.0	6.7	5.0	5.0	7.3	6.7
DLFPS-321/3707	6.7	7.0	9.0	6.3	7.0	6.7	8.0	7.0	6.3	6.0	5.0	5.3	7.0	6.7
TRIAD (PPG-TF 323)	7.0	7.3	9.0	5.7	7.0	6.3	8.3	7.0	6.0	6.3	5.3	5.0	7.0	6.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.0	8.7	5.3	7.0	6.7	7.7	7.0	6.3	6.7	5.3	5.3	7.3	6.7
TANGO	6.7	6.7	9.0	6.3	7.0	6.3	8.0	7.0	6.0	6.3	5.7	5.0	7.0	6.7
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	9.0	5.0	7.0	6.3	8.0	7.0	5.7	6.7	5.7	5.7	7.0	6.7
PST-5MINK	6.3	6.7	9.0	6.0	7.0	7.0	8.0	7.0	6.3	6.7	5.0	5.0	7.0	6.7

TABLE 17.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	GA1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
BENTLEY (DLFPS-321/3679)	7.0	7.3	8.3	6.0	7.0	6.0	7.7	7.0	6.0	6.7	5.3	5.7	6.7	6.7
ENDGAME (3N1)	7.0	6.7	8.7	6.0	7.3	6.7	8.3	7.0	6.0	6.0	5.0	5.0	7.0	6.7
K18-WB1	6.7	7.0	9.0	6.3	7.0	6.3	8.0	7.0	6.0	6.0	5.0	5.3	7.0	6.7
BONFIRE (JS DTT)	6.7	6.7	8.7	5.3	7.3	7.0	8.3	7.0	6.0	6.3	5.3	5.0	7.0	6.7
HOUNDG NINE (DLFPS-321/3702)	7.0	7.0	8.7	5.7	7.0	6.3	8.0	7.0	6.3	6.0	5.3	5.3	7.0	6.7
PARAMOUNT	7.0	7.0	8.3	6.0	7.0	6.7	8.0	7.0	6.0	6.0	5.3	5.3	7.0	6.7
TALLADEGA II (NAI-3N2)	7.0	7.0	8.7	6.0	7.0	7.0	7.7	7.0	6.0	6.0	5.0	5.3	7.0	6.7
BRAVO 2	6.7	7.3	9.0	5.7	7.0	6.7	7.7	7.0	6.0	6.3	5.0	5.3	6.7	6.6
DLFPS-321/3694	6.7	6.7	8.7	6.3	7.0	6.7	8.0	6.7	6.3	6.0	5.0	5.3	7.0	6.6
FIRENZA II (PPG-TF 244)	6.7	7.3	9.0	5.7	7.0	6.3	7.7	7.0	6.0	6.3	5.0	5.0	7.3	6.6
PPG-TF 316	7.0	7.0	9.0	6.0	7.0	6.0	7.7	7.3	6.0	6.0	5.0	5.3	7.0	6.6
ZION (BAR TF 134)	7.0	6.7	9.0	6.3	7.0	6.7	7.7	7.0	6.0	6.0	5.3	5.0	6.7	6.6
3B2	6.3	6.7	8.7	6.0	7.0	6.3	7.7	7.0	6.0	7.0	5.3	5.0	7.3	6.6
RC4	7.0	6.3	9.0	6.0	7.3	6.3	7.3	7.0	6.0	6.0	5.7	5.0	7.0	6.6
SYMPHONY (PPG-TF 305)	6.7	6.7	9.0	5.3	7.0	6.3	8.3	7.0	6.0	6.3	5.0	5.7	6.7	6.6
COL-TF-148	7.0	6.7	9.0	5.7	7.0	6.3	7.7	7.0	6.0	6.3	5.0	5.0	7.3	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	7.0	8.3	5.3	7.0	7.0	7.7	7.0	6.0	6.0	5.3	5.3	7.0	6.6
GLX ACED (PST-5DART)	6.3	6.7	8.3	6.3	7.0	6.7	8.0	7.0	6.0	6.3	5.3	5.0	7.0	6.6
BATTLE HAWK (NAI-ROS4)	7.0	6.7	9.0	5.0	7.3	6.7	7.7	7.0	6.3	6.0	5.0	5.0	7.3	6.6
FALCON SUPREME (RH1)	6.3	6.7	9.0	6.0	7.0	6.0	8.3	7.0	5.7	6.0	5.3	5.3	7.3	6.6
PST-5DZM	6.3	7.3	9.0	5.7	7.0	6.0	8.3	7.0	6.0	6.0	5.0	5.3	7.0	6.6
CLASH (AH1)	7.0	6.7	9.0	5.0	7.0	6.7	8.0	7.0	6.0	6.3	5.0	5.0	7.0	6.6
KIZZLE (K18-ROE)	7.0	6.3	8.7	6.3	7.0	6.0	8.0	7.0	6.0	6.7	5.0	5.0	6.7	6.6
NT-3	7.0	6.7	9.0	5.3	7.0	6.3	8.0	7.0	6.0	6.3	5.3	5.0	6.7	6.6
SERENADE (PPG-TF 320)	7.0	7.0	9.0	5.7	7.0	6.7	7.3	6.7	6.0	6.3	5.0	5.0	7.0	6.6
BULLSEYE	6.7	6.7	8.3	5.3	7.0	6.7	8.0	7.0	6.0	7.0	5.3	5.0	6.7	6.6
DLFPS-TF/3553	7.0	7.0	8.7	6.3	7.0	6.0	7.7	7.0	6.0	6.0	5.0	5.0	7.0	6.6
FAYETTE	6.3	6.7	8.7	6.0	7.0	6.3	8.0	7.0	6.0	6.3	5.0	5.0	7.3	6.6
PPG-TF 318	6.7	6.7	8.7	6.0	6.7	6.0	7.7	7.0	6.3	6.7	5.0	5.3	7.0	6.6
SOUTHSIDE (PPG-TF 267)	7.0	6.3	9.0	6.0	7.0	6.7	7.7	6.7	6.3	6.0	5.0	5.0	7.0	6.6
BULLSEYE LTZ	7.0	7.0	8.7	5.7	7.0	5.7	8.0	7.0	6.0	6.3	5.0	5.0	7.0	6.6
CAPTAN (DLFPS-321/3705)	7.0	6.3	8.7	6.0	7.7	6.3	7.3	7.0	5.7	6.3	5.0	5.0	7.0	6.6
FIREHAWK SLT	6.7	7.0	8.3	5.7	7.0	6.7	7.7	7.0	6.0	6.0	5.3	5.0	7.0	6.6
PADRE 2	6.7	6.7	8.7	5.7	7.0	7.0	7.3	6.7	6.0	6.3	5.3	5.0	7.0	6.6
PPG-TF 337	6.3	6.3	8.7	5.7	7.0	6.7	8.0	7.0	6.0	6.3	5.0	5.0	7.3	6.6
PROVIDENCE (GO-RH20)	7.0	6.7	8.7	5.3	7.0	5.7	7.7	7.0	6.0	7.0	5.3	5.0	7.0	6.6
RHL2	7.0	6.7	9.0	5.3	7.0	6.7	7.3	7.0	6.0	6.3	5.0	5.3	6.7	6.6
ROVER (PPG-TF 306)	7.0	6.3	8.7	5.7	7.3	6.7	7.3	7.0	5.7	6.3	5.0	5.3	7.0	6.6
SE5STAR	6.0	7.0	8.7	6.0	7.0	7.0	7.7	7.0	6.0	6.0	5.0	4.7	7.3	6.6
RAPTOR LS (PPG-TF 336)	6.7	6.3	8.0	6.0	7.0	6.7	7.7	7.3	6.0	6.0	5.3	5.0	7.3	6.6
DYNAMITE G-LS (PPG-TF 254)	6.3	7.0	9.0	5.7	7.0	6.0	7.3	7.0	6.0	6.0	5.7	5.0	7.0	6.5
EXTRAVAGANZA (PST-5MCMO)	6.7	6.7	8.3	6.3	6.7	6.0	8.0	7.0	6.0	6.3	5.3	4.7	7.0	6.5
GALACTIC (SESCR1)	6.7	6.7	9.0	6.0	7.0	6.0	7.7	7.0	5.7	6.3	5.0	5.0	7.0	6.5
OKEEFE (LTP-TF-122)	6.7	6.3	9.0	6.0	7.0	6.0	7.0	7.0	6.0	6.3	5.7	5.0	7.0	6.5
STEALTH (PPG-TF 238)	6.7	6.3	9.0	5.7	7.0	6.7	7.7	7.0	6.0	6.0	5.0	5.3	6.7	6.5
DAYBREAK (AH2)	7.0	7.0	9.0	5.0	7.0	6.0	8.0	7.0	6.0	6.0	5.0	5.0	6.7	6.5
DLFPS-321/3693	7.0	6.7	8.0	5.7	7.0	6.3	8.3	7.0	6.0	6.0	5.0	5.0	6.7	6.5

TABLE 17.
(CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	GA1	IA1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
DRAGSTER	6.7	7.0	8.7	5.3	7.0	6.3	7.3	7.0	6.0	6.0	5.3	5.0	7.0	6.5
ESCALADE	6.0	6.7	8.3	6.3	6.7	7.0	8.0	6.7	6.0	6.3	5.7	5.0	6.0	6.5
RS1	7.0	6.3	8.3	6.0	7.0	6.3	7.7	7.0	6.0	6.3	5.0	4.7	7.0	6.5
BAR FA 8228	6.3	6.3	8.3	7.3	6.7	6.0	6.7	7.0	6.0	7.0	5.3	4.7	7.0	6.5
DLFPS-321/3695	7.0	6.3	8.3	6.0	7.0	6.0	7.7	6.7	6.0	6.0	5.0	5.3	7.3	6.5
GRO-PRO (SE53D2)	6.3	6.3	8.7	5.7	7.0	6.3	8.0	7.0	6.0	6.3	5.3	4.3	7.3	6.5
DEGAS (LTP-TF-111)	7.0	6.7	8.7	6.0	7.0	6.3	7.0	7.0	5.7	6.3	5.0	5.0	6.7	6.5
ATF1768	6.3	7.0	8.7	5.7	7.3	5.7	7.7	7.0	6.0	6.3	5.0	5.0	6.7	6.5
SPYDER 2LS (ZRC1)	7.0	6.7	9.0	5.3	7.0	6.0	7.0	6.7	6.0	6.3	5.0	5.3	7.0	6.5
TEACHER (PPG-TF 313)	6.7	6.3	9.0	5.3	7.3	6.3	7.0	7.0	6.0	6.0	5.3	5.0	7.0	6.5
TITAN GLX (TF445)	6.7	7.3	7.7	5.3	6.7	6.3	7.7	7.0	6.0	6.3	5.0	5.3	7.0	6.5
FASTLANE (BY-TF-169)	6.3	6.3	9.0	6.0	7.0	6.0	7.3	7.3	6.0	6.0	5.0	5.0	6.7	6.5
GRANDE 3	6.7	6.3	8.3	5.3	6.7	6.0	8.0	7.0	6.0	6.3	5.3	5.0	7.0	6.5
HEMI	7.0	6.3	8.7	5.3	7.0	6.0	8.0	7.0	5.7	6.3	5.0	5.0	6.7	6.5
OG-WALK	6.0	7.0	8.3	6.3	7.0	6.3	7.0	7.0	6.0	6.0	5.7	5.0	6.3	6.5
ORIOLE (PST-5BYOB)	6.0	6.7	8.3	5.7	7.0	6.3	8.3	7.0	6.0	6.0	5.0	4.3	7.0	6.4
RHF	6.7	6.7	9.0	5.3	7.0	5.7	7.3	7.0	6.0	6.0	5.3	5.0	6.7	6.4
TITAN MAX (TF456)	6.7	6.7	8.7	5.3	7.0	5.7	7.7	7.0	5.3	6.3	5.3	5.3	6.7	6.4
PALOMAR	6.0	6.3	8.3	6.3	6.7	6.3	7.3	7.0	5.7	6.7	5.3	4.7	6.7	6.4
PST-5GQ	6.3	6.7	8.7	5.3	7.0	6.3	7.3	6.7	6.0	6.3	5.0	5.0	6.7	6.4
PST-5TRN	6.7	6.0	8.3	5.7	6.7	6.7	7.3	6.7	6.0	6.7	5.0	4.7	7.0	6.4
BAR-FA8230	6.3	6.0	8.3	5.0	7.0	6.0	7.7	7.0	6.0	6.7	5.3	5.0	7.0	6.4
DLFPS-321/3706	6.3	6.0	9.0	5.7	7.0	5.7	7.3	7.0	6.0	6.0	5.3	5.0	7.0	6.4
K18-RS6	6.7	6.3	8.7	5.7	7.0	6.0	7.7	6.7	6.0	6.0	5.3	4.3	7.0	6.4
GLX REVIVE (PST-5GLBS)	6.3	6.3	8.7	5.7	7.0	6.0	7.3	7.0	6.0	6.0	5.3	5.0	6.3	6.4
PRO GOLD	6.7	6.7	8.7	5.7	6.7	6.7	7.7	7.0	5.3	5.7	5.3	4.3	6.7	6.4
PST-5THM	6.3	6.3	8.3	5.7	7.0	6.0	7.3	7.0	5.7	6.3	5.3	4.7	7.0	6.4
FINELAWN SUPREME (RH3)	6.3	6.7	8.0	5.7	7.0	6.0	7.3	7.0	6.0	6.0	5.3	4.3	7.3	6.4
RDC	7.0	6.7	8.7	4.7	6.7	6.0	7.7	7.0	6.0	6.0	5.0	4.3	7.0	6.4
ESTRENA	7.0	6.3	8.3	5.3	7.0	6.7	6.7	7.3	6.0	6.0	5.0	4.3	6.7	6.4
PPG-TF 312	7.0	6.3	8.3	4.7	7.0	6.3	7.3	7.0	6.0	6.3	5.0	4.3	7.0	6.4
MONUMENT (PST-5SQB)	6.3	6.7	8.3	5.7	7.0	6.3	7.7	6.7	5.0	5.7	5.3	4.7	7.0	6.3
GRAND PRIX (FC15-01P)	6.0	6.3	8.0	6.0	6.7	6.0	7.3	7.0	6.0	6.0	5.0	5.0	6.7	6.3
HELLCAT GLR (PST-5E6)	6.3	6.0	8.3	5.7	7.0	5.7	7.3	7.0	5.7	6.0	5.0	5.0	7.0	6.3
LIFEGUARD	6.3	6.3	8.7	5.0	7.0	5.7	7.0	6.7	6.0	6.3	5.3	5.0	6.7	6.3
MOONDANCE GLX	6.3	6.3	8.0	5.7	6.7	6.3	7.7	6.7	6.0	6.0	5.0	4.7	6.3	6.3
K18-NSE	6.7	6.0	8.0	4.7	7.0	5.7	7.3	7.0	6.0	6.0	5.7	4.7	6.7	6.3
5LSS	6.7	6.7	8.3	4.7	7.0	5.7	7.0	7.0	6.0	6.0	5.3	4.3	6.0	6.2
KENTUCKY-31	5.0	4.0	6.0	4.7	4.0	5.0	3.0	4.7	4.0	4.0	5.3	3.0	3.0	4.3
LSD VALUE	0.7	1.0	0.7	1.3	0.5	1.1	0.8	0.4	0.5	0.7	0.7	0.7	0.7	0.2
C.V. (%)	6.8	9.1	4.7	13.5	4.1	10.1	6.7	3.9	5.4	7.1	7.8	8.8	6.6	7.4

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

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

TABLE 18.

 SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
 2023 DATA

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

NAME	CT1	DE1	IA1	MD1	NE1	ON1	TN1	UT1	MEAN
RACEWAY (DLFPS-321/3696)	7.0	7.0	7.7	7.7	3.7	4.0	8.3	2.3	6.0
COL-TF-148	7.3	7.0	4.3	8.3	4.3	4.3	8.3	3.0	5.9
CLASH (AH1)	7.0	8.0	5.0	8.0	3.7	4.0	8.3	2.7	5.8
AVENGER III (PPG-TF 308)	7.0	7.3	5.3	8.3	3.7	4.7	7.7	2.7	5.8
TALLADEGA II (NAI-3N2)	7.0	7.7	4.7	8.0	3.3	5.0	8.3	2.3	5.8
PPG-TF 249	6.7	7.0	6.7	7.7	2.3	4.7	8.3	3.0	5.8
DLFPS-321/3694	7.3	7.0	5.3	8.7	5.0	2.3	8.0	2.7	5.8
NATURALLY GREEN	7.0	6.3	6.7	7.7	4.3	4.7	8.0	1.7	5.8
K18-RS6	7.0	7.7	5.0	8.0	2.7	4.0	8.3	3.3	5.8
PARAMOUNT	7.0	7.0	6.7	8.0	3.3	3.3	8.3	2.3	5.8
FAYETTE	7.0	7.0	6.0	7.7	3.0	5.3	8.0	2.0	5.8
PPG-TF 231	7.0	6.7	5.3	8.0	5.0	4.3	8.0	1.7	5.8
PROVIDENCE (GO-RH20)	7.0	7.0	5.0	8.3	2.7	5.0	8.3	2.7	5.8
HOUND DOG NINE (DLFPS-321/3702)	7.3	7.0	6.0	7.3	3.3	4.3	8.0	2.7	5.8
A-TF31	6.7	7.0	6.7	7.7	2.0	5.7	8.3	1.7	5.7
DEGAS (LTP-TF-111)	7.0	7.0	4.7	8.0	3.7	4.0	8.3	3.0	5.7
DLFPS-321/3703	7.0	7.3	5.7	8.0	2.7	4.0	8.3	2.7	5.7
TRIAD (PPG-TF 323)	7.3	7.0	5.3	7.7	3.7	4.0	8.3	2.3	5.7
BAR FA 8228	6.7	6.3	6.0	8.0	3.0	5.3	8.0	2.0	5.7
FIRENZA II (PPG-TF 244)	7.0	7.7	5.0	8.3	3.7	3.3	8.0	2.3	5.7
PALOMAR	6.7	6.7	5.7	8.0	3.3	4.7	8.3	2.0	5.7
BANDIT	6.7	7.7	7.3	7.3	2.7	4.0	8.0	1.3	5.6
BARNOBLE (BAR 9FE MAS)	7.0	7.0	4.7	8.3	3.0	5.3	7.7	2.0	5.6
DLFPS-321/3707	7.0	7.0	5.3	8.3	4.0	2.3	8.3	2.7	5.6
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	6.0	8.0	2.3	3.7	8.3	2.7	5.6
GALLARDO (DLFPS-TF/3550)	6.7	6.7	6.0	8.7	3.3	2.7	8.3	2.7	5.6
NAI-ST5	7.0	6.7	6.0	7.3	4.0	3.7	8.3	2.0	5.6
PST-5THM	6.7	6.3	5.7	7.7	3.3	4.3	9.0	2.0	5.6
RAD-TF105	6.3	6.7	7.3	8.0	3.3	3.3	8.3	1.7	5.6
DLFPS-321/3695	7.0	7.3	4.3	8.3	4.3	2.0	8.7	3.0	5.6
BENTLEY (DLFPS-321/3679)	6.3	6.7	6.7	7.7	3.3	4.0	8.0	2.0	5.6
BULLSEYE	7.0	6.7	5.0	7.7	3.0	4.3	8.3	2.7	5.6
DLFPS-321/3693	7.0	7.7	4.3	8.3	4.0	2.3	8.7	2.3	5.6
PST-5MINK	6.7	6.0	7.0	7.0	3.0	5.0	8.3	1.7	5.6
TOPSHELF (BGR-TF3)	6.7	6.7	7.3	7.0	3.3	3.3	8.0	2.3	5.6
3B2	6.7	6.7	5.3	8.3	3.0	3.7	8.0	3.0	5.6
5LSS	7.3	7.3	3.3	8.7	2.7	3.7	8.7	3.0	5.6
ATF1768	6.7	7.3	6.0	7.0	3.3	4.0	8.3	2.0	5.6
BLADERUNNER 3 (DLFPS-321/3701)	6.7	6.3	5.3	8.0	3.3	4.0	8.0	3.0	5.6
CAPITAN (DLFPS-321/3705)	7.0	7.3	5.0	8.0	3.7	3.0	8.0	2.7	5.6
EXPANSE (PPG-TF 262)	7.0	7.0	5.7	8.0	2.3	3.7	8.0	3.0	5.6
PADRE 2	7.0	7.7	5.0	8.0	3.3	3.0	7.7	3.0	5.6
SERENADE (PPG-TF 320)	7.0	6.7	4.0	8.0	3.7	4.7	8.0	2.7	5.6
TITAN MAX (TF456)	7.0	7.0	5.0	8.3	3.3	3.3	8.0	2.7	5.6
LIFEGUARD	6.7	7.0	3.7	7.7	3.0	5.7	8.3	2.3	5.5
FAIRFIELD (SETF104)	6.7	7.0	6.7	7.7	3.3	3.0	8.0	2.0	5.5

TABLE 18.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	IA1	MD1	NE1	ON1	TN1	UT1	MEAN
PPG-TF 318	7.0	6.3	5.3	8.0	2.3	5.0	8.0	2.3	5.5
SETFM3	6.3	7.0	6.0	7.7	3.0	3.7	8.3	2.3	5.5
XANADU (JT 268)	6.3	7.3	6.7	7.7	2.0	4.0	8.3	2.0	5.5
EXTRAVAGANZA (PST-5MCMO)	6.7	6.7	5.7	8.0	3.0	3.7	8.0	2.7	5.5
TANK (PPG-TF 338)	6.3	7.0	6.0	7.3	3.3	3.3	8.7	2.3	5.5
DLFPS-321/3708	7.0	6.7	6.0	7.7	3.3	3.0	8.0	2.3	5.5
ESTRENA	7.0	6.7	4.0	8.0	3.0	4.0	8.0	3.3	5.5
NT-3	7.0	6.7	5.7	8.0	3.0	3.0	8.3	2.3	5.5
DLFPS-TF/3553	6.7	7.0	6.0	7.7	3.3	2.3	8.3	2.7	5.5
GRANDE 3	7.0	6.3	5.0	8.7	4.0	2.7	8.3	2.0	5.5
K18-NSE	7.0	7.3	4.3	8.3	2.3	3.3	8.3	3.0	5.5
KIZZLE (K18-ROE)	7.0	7.0	5.3	7.7	4.0	3.3	8.0	1.7	5.5
SE5STAR	6.3	6.7	6.0	7.7	3.7	3.3	7.7	2.7	5.5
SETFM2	6.3	6.0	6.3	7.3	3.7	4.3	8.0	2.0	5.5
PPG-TF 337	6.7	7.3	5.0	8.7	2.7	3.0	8.0	2.7	5.5
FASTLANE (BY-TF-169)	7.0	7.7	3.7	7.7	3.0	3.7	8.0	3.0	5.5
K18-WB1	7.0	7.7	3.0	8.7	2.7	4.3	8.0	2.3	5.5
ROWDIER (DLFPS-321/3699)	6.7	6.3	6.7	7.7	3.0	3.3	8.0	2.0	5.5
SPYDER 2LS (ZRC1)	7.0	6.7	4.0	8.0	4.3	3.3	8.0	2.3	5.5
JT 233	6.3	6.7	6.3	7.3	2.3	3.7	8.0	3.0	5.5
JT 517	6.7	5.7	6.7	7.7	3.3	4.0	8.0	1.7	5.5
LAFAYETTE (GO-AOMK)	6.3	5.3	8.0	7.0	3.0	4.3	8.0	1.7	5.5
PPG-TF 316	6.7	6.3	6.0	8.0	4.3	2.3	7.7	2.3	5.5
SOUTHSIDE (PPG-TF 267)	7.0	6.3	6.0	7.0	3.7	4.0	7.7	2.0	5.5
SR 8700 (TMT1)	6.3	7.3	5.7	7.3	2.7	4.0	8.3	2.0	5.5
AST8118LM	6.0	6.7	7.7	7.0	2.7	3.3	8.0	2.0	5.4
FINELAWN SUPREME (RH3)	6.7	7.7	4.0	7.7	3.3	3.0	8.0	3.0	5.4
GRAND PRIX (FC15-01P)	6.3	6.3	6.0	7.7	3.3	4.3	8.0	1.3	5.4
RAD-TF115 (TURBO SS)	6.7	7.0	7.7	7.0	3.0	3.0	8.0	1.0	5.4
RAPTOR LS (PPG-TF 336)	6.3	7.0	5.0	8.0	3.3	3.3	8.3	2.0	5.4
DAYBREAK (AH2)	7.3	7.0	4.0	8.3	2.0	4.7	8.0	2.0	5.4
DYNAMITE G-LS (PPG-TF 254)	7.3	7.3	4.7	8.0	2.0	3.3	8.0	2.7	5.4
OKEEFE (LTP-TF-122)	7.0	7.0	4.0	8.0	3.3	3.3	8.0	2.7	5.4
PST-5DZM	6.3	6.3	6.3	7.0	2.7	3.7	8.3	2.3	5.4
ATF2116	7.0	6.3	5.7	7.3	2.3	4.3	8.3	1.7	5.4
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.7	4.0	7.7	3.3	3.3	8.7	2.3	5.4
FIREHAWK SLT	7.0	6.7	6.3	7.7	2.0	2.7	8.0	2.7	5.4
GALACTIC (SESCR1)	6.7	6.7	5.3	8.3	2.3	3.0	8.3	2.3	5.4
ROVER (PPG-TF 306)	6.7	6.7	5.3	8.0	1.7	3.7	8.3	2.7	5.4
SYMPHONY (PPG-TF 305)	7.0	7.0	5.3	7.3	2.3	3.7	8.0	2.3	5.4
BATTLE HAWK (NAI-ROS4)	7.0	7.3	4.3	7.3	3.3	3.0	8.0	2.7	5.4
STEALTH (PPG-TF 238)	6.7	6.3	5.3	8.0	2.0	4.0	8.0	2.7	5.4
BONFIRE (JS DTT)	7.0	7.3	5.3	7.7	2.7	2.7	8.0	2.0	5.3
DRAGSTER	7.3	7.0	3.7	8.0	2.3	4.0	8.3	2.0	5.3
FALCON SUPREME (RH1)	6.3	7.7	4.0	8.3	2.0	2.7	9.0	2.7	5.3
LBF	6.7	6.7	7.3	6.7	3.3	2.3	8.0	1.7	5.3
PPG-TF 312	7.0	7.7	3.3	7.7	3.3	3.0	7.7	3.0	5.3

TABLE 18.
(CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	IA1	MD1	NE1	ON1	TN1	UT1	MEAN
TOUGH (NAI-TUE)	6.7	6.7	6.3	7.0	2.7	3.7	7.7	2.0	5.3
RS1	7.3	6.7	3.3	8.3	4.0	2.7	8.7	1.7	5.3
AST8218LM	6.3	6.3	6.3	6.7	3.3	2.7	8.0	2.7	5.3
COPIOUS TF	6.7	6.7	7.7	6.7	1.7	3.0	7.7	2.3	5.3
GLX ACED (PST-5DART)	6.7	6.7	5.3	7.7	2.7	3.0	8.0	2.3	5.3
MONUMENT (PST-5SQB)	6.7	7.0	4.0	7.7	3.7	3.0	8.0	2.3	5.3
ORIOLE (PST-5BYOB)	6.7	6.3	5.0	7.7	3.0	4.0	8.0	1.7	5.3
PST-5DC24	6.3	5.3	7.3	7.3	1.7	4.0	8.0	2.3	5.3
RAPTOR III	6.7	7.0	5.0	7.7	2.7	2.7	8.0	2.7	5.3
RHF	7.0	6.0	4.0	8.3	2.0	4.0	8.0	3.0	5.3
TEACHER (PPG-TF 313)	6.7	7.7	3.3	8.7	3.0	2.7	8.3	2.0	5.3
VALSETZ (PPG-TF 257)	7.0	6.7	5.0	8.3	2.7	2.3	8.3	2.0	5.3
ZION (BAR TF 134)	6.7	6.7	4.7	7.7	2.7	3.7	8.3	2.0	5.3
DLFPS-321/3706	6.3	6.0	4.0	8.0	2.3	4.3	8.7	2.7	5.3
GRO-PRO (SE53D2)	6.7	6.7	6.0	7.3	2.3	3.0	8.0	2.0	5.3
MOONDANCE GLX	6.7	5.3	5.3	7.0	3.0	4.7	8.0	2.0	5.3
NAI-FQZ-17	6.7	6.7	5.7	7.0	2.7	3.3	8.0	2.0	5.3
PRO GOLD	7.0	7.0	4.0	7.7	3.0	2.7	9.0	1.7	5.3
RDC	7.0	6.3	4.3	8.3	3.7	3.0	7.7	1.7	5.3
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	5.3	7.7	1.3	3.7	8.0	2.0	5.3
BAR-FA8230	6.7	6.3	5.0	7.3	1.7	5.0	8.3	1.3	5.2
RHL2	7.0	6.0	5.0	7.7	2.7	3.3	8.0	2.0	5.2
TANGO	6.7	6.7	6.3	7.0	1.3	3.7	8.0	2.0	5.2
TITAN GLX (TF445)	7.0	6.7	4.3	8.3	2.3	3.0	8.0	2.0	5.2
HELLCAT GLR (PST-5E6)	7.0	7.0	5.0	7.7	3.0	2.3	7.7	2.0	5.2
RAD-TF131	6.7	6.7	7.3	7.3	2.3	1.7	7.7	2.0	5.2
RC4	6.3	6.3	4.7	7.3	3.3	3.0	8.3	2.3	5.2
TD2	7.0	7.0	4.3	8.0	3.0	2.3	8.3	1.7	5.2
BIRMINGHAM	6.3	6.3	6.3	7.0	1.7	2.7	8.3	2.7	5.2
ESCALADE	6.3	6.7	5.0	8.0	1.7	4.0	8.0	1.7	5.2
PST-5GQ	6.3	6.7	5.3	7.3	3.3	2.7	8.0	1.7	5.2
PST-5TRN	6.7	6.3	4.7	7.3	3.0	2.7	8.0	2.3	5.1
BULLSEYE LTZ	6.7	6.7	5.7	7.0	1.3	3.3	8.0	2.3	5.1
ENDGAME (3N1)	7.0	6.7	4.0	7.3	2.7	3.3	8.0	2.0	5.1
BRAVO 2	6.3	6.3	4.0	7.7	3.0	3.0	8.0	2.3	5.1
KENTUCKY-31	5.0	4.7	2.0	7.7	3.0	7.3	8.3	2.7	5.1
GLX REVIVE (PST-5GLBS)	6.3	6.7	3.7	7.7	2.3	4.0	8.0	1.7	5.0
HEMI	6.7	6.3	4.7	7.7	2.0	2.0	8.0	2.7	5.0
OG-WALK	6.7	5.3	5.7	7.7	1.7	3.3	7.7	1.7	5.0
LSD VALUE	0.7	1.3	1.7	1.0	2.4	2.0	0.8	1.8	0.6
C.V. (%)	6.7	12.0	19.2	7.8	50.6	34.5	6.2	49.9	17.9

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

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

TABLE 19.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
5LSS	7.0	7.0	9.0	7.0	6.3	6.7	8.0	7.0	6.0	7.7	6.3	6.0	6.3	6.9
PPG-TF 312	7.0	8.0	9.0	7.0	6.3	5.7	8.0	7.0	6.0	6.3	7.0	6.0	5.7	6.8
PPG-TF 316	6.7	7.0	9.0	6.3	5.7	7.0	7.7	7.0	5.7	7.3	7.7	5.0	6.0	6.8
SOUTHSIDE (PPG-TF 267)	7.0	7.0	9.0	6.7	5.7	6.7	7.3	7.0	6.0	7.0	7.7	4.7	6.0	6.7
RHF	6.7	7.3	8.0	6.0	6.3	6.7	7.7	7.0	6.0	6.3	8.3	5.0	6.3	6.7
K18-NSE	7.0	7.0	9.0	6.0	6.0	6.3	7.7	7.0	6.3	7.0	6.3	5.7	6.0	6.7
TD2	6.7	7.3	9.0	5.7	5.7	7.0	8.0	7.0	6.0	7.3	6.7	5.0	6.0	6.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.3	8.7	6.0	5.7	6.7	7.3	6.7	6.0	7.3	7.7	5.0	6.0	6.7
RHL2	6.7	7.3	9.0	6.7	5.3	7.0	7.7	7.0	6.0	7.0	6.3	5.3	6.0	6.7
BULLSEYE LTZ	6.3	7.7	9.0	6.7	5.7	6.7	8.3	7.0	5.7	6.7	6.0	5.0	6.3	6.7
PPG-TF 337	6.7	7.0	9.0	6.7	5.3	6.7	8.0	7.0	6.0	6.3	7.0	5.3	6.0	6.7
CLASH (AH1)	7.0	7.3	9.0	5.0	6.3	6.7	8.0	7.0	6.0	6.7	6.7	5.0	6.0	6.7
DLFPS-TF/3553	6.7	7.3	8.7	6.0	6.0	7.0	7.3	6.7	5.7	6.7	7.7	5.0	6.0	6.7
HOUNDG NINE (DLFPS-321/3702)	6.7	7.3	9.0	5.7	5.7	6.7	7.7	7.0	6.0	7.0	7.0	5.0	6.0	6.7
SPYDER 2LS (ZRC1)	6.3	7.0	9.0	6.0	6.3	6.7	8.0	7.0	6.0	7.3	6.0	4.7	6.3	6.7
XANADU (JT 268)	6.3	7.0	9.0	6.0	5.3	6.7	8.0	7.0	6.0	7.0	7.3	5.0	6.0	6.7
EXPANSE (PPG-TF 262)	6.7	7.0	9.0	6.0	5.3	6.7	8.0	7.0	6.0	7.0	6.7	5.0	6.0	6.6
FIRECRACKER G-LS (PPG-TF 315)	6.7	7.7	9.0	5.7	5.7	6.7	7.3	7.0	6.0	6.3	7.3	5.0	6.0	6.6
ROVER (PPG-TF 306)	7.0	7.0	9.0	5.7	5.3	6.3	7.7	7.0	5.7	7.7	7.3	5.0	5.7	6.6
TRIAD (PPG-TF 323)	6.3	7.0	9.0	5.7	6.0	6.3	7.7	7.0	6.0	6.3	7.7	5.0	6.3	6.6
STEALTH (PPG-TF 238)	6.7	7.3	9.0	5.7	5.7	7.0	7.3	7.0	6.0	7.0	6.7	4.7	6.0	6.6
DLFPS-321/3708	6.7	6.7	9.0	6.0	5.7	7.0	7.7	7.0	5.7	7.0	6.7	5.0	6.0	6.6
TEACHER (PPG-TF 313)	6.7	7.0	9.0	6.3	6.0	6.3	7.3	7.0	6.0	7.3	6.3	5.0	5.7	6.6
GALACTIC (SESCR1)	6.0	7.0	9.0	5.7	5.0	6.7	8.0	7.0	6.0	7.0	7.3	5.0	6.0	6.6
PROVIDENCE (GO-RH20)	6.3	7.7	9.0	4.7	5.0	7.3	7.7	7.0	6.0	7.0	7.0	5.0	6.0	6.6
TANK (PPG-TF 338)	6.3	7.7	9.0	5.3	5.3	6.7	7.0	7.0	6.3	7.3	6.7	5.0	6.0	6.6
DLFPS-321/3693	6.7	7.0	9.0	6.0	5.7	6.7	6.7	7.0	6.0	6.7	7.0	5.3	6.0	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	7.0	9.0	5.3	5.3	7.0	7.7	7.0	5.7	6.3	7.3	5.0	6.3	6.6
TITANIUM G-LS (PPG-TF 255)	6.0	7.0	9.0	5.3	5.3	7.0	7.3	7.0	6.0	7.3	7.3	5.0	6.0	6.6
DAYBREAK (AH2)	6.7	6.7	9.0	5.0	5.7	6.3	8.3	7.0	6.0	7.0	6.7	5.0	6.0	6.6
DRAGSTER	6.7	7.3	9.0	5.7	5.3	6.0	6.3	7.0	6.0	7.7	6.7	5.0	6.7	6.6
ZION (BAR TF 134)	6.3	7.0	9.0	5.7	6.0	7.0	7.3	7.0	5.7	6.7	6.7	5.0	6.0	6.6
DYNAMITE G-LS (PPG-TF 254)	6.3	7.0	9.0	6.3	5.0	7.0	6.7	7.0	6.0	7.3	7.0	4.7	6.0	6.6
TITAN GLX (TF445)	6.3	6.7	9.0	6.3	5.7	7.0	7.3	7.0	6.0	6.7	7.0	4.3	6.0	6.6
NT-3	7.0	7.0	9.0	6.0	5.7	6.3	7.3	7.0	5.0	7.0	6.7	5.0	6.0	6.5
DLFPS-321/3707	6.7	7.0	9.0	5.7	5.0	6.7	7.3	7.0	6.0	6.7	6.7	5.0	6.3	6.5
NAI-ST5	6.7	7.0	9.0	5.7	6.0	6.7	7.7	7.0	6.0	6.7	6.7	5.0	5.0	6.5
PPG-TF 318	6.7	7.0	9.0	5.0	5.7	6.0	7.7	7.0	5.7	7.0	6.7	5.0	6.7	6.5
COL-TF-148	6.7	7.3	9.0	5.3	5.0	6.7	7.7	6.7	6.0	6.3	7.3	5.3	5.7	6.5
ESTRENA	6.7	7.0	9.0	6.0	6.0	6.0	6.3	7.0	6.0	7.0	6.7	5.0	6.0	6.5
K18-RS6	7.0	7.0	8.3	5.3	5.0	7.0	7.7	7.0	6.0	6.7	6.7	5.0	6.0	6.5
RC4	6.7	7.0	9.0	5.7	5.7	6.0	8.0	7.0	5.7	6.7	6.3	5.3	5.7	6.5
DEGAS (LTP-TF-111)	6.3	7.0	9.0	6.0	5.7	6.7	7.3	7.0	6.0	5.7	6.7	5.0	6.0	6.5
FIREHAWK SLT	6.7	6.7	9.0	5.7	5.3	6.0	7.7	7.0	5.3	7.0	7.3	4.7	6.0	6.5
FIRENZA II (PPG-TF 244)	6.7	7.0	9.0	5.3	5.0	7.0	7.7	7.0	6.0	6.3	6.0	4.7	6.7	6.5
FASTLANE (BY-TF-169)	6.7	7.0	9.0	5.3	5.3	6.7	6.7	7.0	6.0	7.0	7.0	4.7	6.0	6.5

TABLE 19.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
RAPTOR LS (PPG-TF 336)	6.3	7.0	9.0	5.7	5.0	6.0	7.3	7.0	5.7	6.7	7.0	5.3	6.3	6.5
RDC	6.0	6.7	9.0	6.0	5.0	6.7	7.3	7.0	6.0	7.0	6.3	5.0	6.3	6.5
SR 8700 (TMT1)	6.3	7.0	9.0	5.7	5.3	6.7	6.0	7.0	6.0	6.3	8.3	4.7	6.0	6.5
ROWDIER (DLFPS-321/3699)	6.3	7.0	9.0	6.0	5.7	6.3	6.7	6.3	6.0	7.0	6.7	5.0	6.0	6.5
K18-WB1	6.3	7.0	9.0	5.3	5.7	6.3	7.3	7.0	6.0	6.3	6.7	5.3	5.7	6.5
RAD-TF105	6.7	6.7	9.0	5.3	5.7	6.3	7.3	7.0	5.7	7.0	7.0	4.3	6.0	6.5
SYMPHONY (PPG-TF 305)	6.3	6.7	9.0	5.7	5.7	6.3	7.3	7.0	5.7	7.0	6.3	5.0	6.0	6.5
CAPITAN (DLFPS-321/3705)	6.3	7.0	9.0	5.7	5.7	6.7	7.7	7.0	5.7	6.3	6.7	4.0	6.3	6.5
DLFPS-321/3694	6.7	6.7	9.0	6.0	6.0	6.0	6.0	7.0	6.0	7.0	6.3	5.0	6.0	6.4
DLFPS-321/3703	6.3	6.7	9.0	5.7	5.7	6.3	6.3	7.0	6.0	6.3	7.3	5.0	6.0	6.4
SERENADE (PPG-TF 320)	6.0	6.3	9.0	5.7	5.3	6.3	7.7	7.0	6.0	7.0	6.3	5.0	6.0	6.4
DLFPS-321/3695	6.3	7.0	9.0	5.3	5.3	6.3	6.7	6.7	5.7	7.0	7.3	5.0	6.0	6.4
PPG-TF 249	6.3	7.3	9.0	5.7	5.7	6.0	6.3	7.0	5.7	7.0	6.3	5.0	6.3	6.4
TITAN MAX (TF456)	6.3	6.7	9.0	5.3	5.7	6.7	7.0	7.0	5.7	7.3	6.3	4.7	6.0	6.4
AVENGER III (PPG-TF 308)	6.3	7.0	9.0	5.3	5.3	6.3	7.3	7.0	6.0	6.7	6.3	5.0	5.7	6.4
BATTLE HAWK (NAI-ROS4)	6.3	6.7	8.7	5.0	5.3	6.3	7.7	7.0	6.0	7.0	6.3	5.0	6.0	6.4
RACEWAY (DLFPS-321/3696)	6.0	6.7	9.0	5.7	5.3	6.7	7.3	6.7	5.7	7.0	7.3	4.3	5.7	6.4
BENTLEY (DLFPS-321/3679)	6.0	6.7	9.0	5.3	5.3	6.7	6.3	7.0	5.3	7.0	7.3	4.7	6.3	6.4
DLFPS-321/3706	6.3	6.3	9.0	6.0	5.0	6.3	7.7	7.0	5.7	6.3	5.7	5.7	6.0	6.4
FAIRFIELD (SEFF104)	6.7	6.7	9.0	5.3	5.3	7.0	6.7	7.0	5.7	5.7	6.7	5.0	6.3	6.4
JT 233	7.0	7.0	9.0	5.7	5.0	6.3	6.7	7.0	6.0	6.0	7.0	4.3	6.0	6.4
OKEEFE (LTP-TF-122)	6.3	7.0	8.3	5.3	5.0	6.3	7.3	7.0	6.0	6.7	7.0	4.7	6.0	6.4
VALSETZ (PPG-TF 257)	6.3	7.0	9.0	5.7	5.3	6.0	7.0	7.0	6.0	6.3	6.0	5.3	6.0	6.4
PPG-TF 231	6.7	6.3	9.0	5.3	5.3	6.3	6.3	7.0	5.7	7.0	6.3	4.7	6.7	6.4
RS1	6.0	6.7	9.0	4.7	6.0	6.7	8.0	7.0	6.0	6.3	6.0	4.7	5.7	6.4
TOUGH (NAI-TUE)	6.3	6.3	9.0	4.7	5.3	7.0	6.7	7.0	6.0	7.0	6.7	4.7	6.0	6.4
BONFIRE (JS DTT)	6.3	7.0	9.0	6.3	5.0	6.7	6.7	7.0	5.3	6.3	6.3	4.7	6.0	6.4
GALLARDO (DLFPS-TF/3550)	6.0	6.7	8.3	5.3	5.0	6.7	8.0	7.0	6.0	6.3	7.0	4.3	6.0	6.4
GLX ACED (PST-5DART)	7.0	7.0	9.0	5.3	4.7	6.0	6.7	7.0	5.3	7.0	7.0	4.0	6.3	6.3
A-TF31	6.3	6.7	9.0	5.7	5.3	5.3	7.7	7.0	5.7	7.0	6.0	4.3	6.3	6.3
RAPTOR III	6.7	7.3	9.0	4.7	5.7	6.7	7.0	7.0	5.7	6.0	6.3	4.3	6.0	6.3
PARAMOUNT	6.7	6.0	9.0	5.7	5.3	6.3	6.7	6.0	5.7	7.0	7.3	4.7	5.7	6.3
FALCON SUPREME (RH1)	6.3	6.7	9.0	4.3	5.0	6.3	7.7	7.0	5.7	6.7	7.0	4.7	5.7	6.3
RAD-TF115 (TURBO SS)	6.7	6.3	9.0	5.0	5.0	7.3	6.7	7.0	5.7	5.3	7.3	4.3	6.3	6.3
FINELAWN SUPREME (RH3)	6.3	7.3	9.0	5.3	5.0	5.7	6.7	7.0	5.7	6.7	6.7	4.7	5.7	6.3
GLX REVIVE (PST-5GLBS)	6.7	6.7	8.7	4.7	5.0	6.3	7.7	7.0	5.3	6.7	7.3	4.0	5.7	6.3
PST-5TRN	6.0	6.7	9.0	5.0	5.3	6.3	8.0	7.0	5.3	6.7	6.3	4.0	6.0	6.3
COPIOUS TF	6.3	6.3	9.0	5.3	5.3	6.3	6.7	7.0	5.7	6.0	7.3	5.0	5.3	6.3
ENDGAME (3N1)	6.7	6.7	9.0	5.0	5.3	6.0	6.3	7.0	5.3	6.7	7.3	4.3	5.7	6.3
PST-5GQ	6.0	6.0	9.0	5.7	4.7	6.7	7.3	7.0	5.7	6.0	7.7	4.0	5.7	6.3
TALLADEGA II (NAI-3N2)	6.7	6.7	9.0	5.0	5.0	5.7	6.3	7.0	6.0	6.7	6.7	4.7	6.0	6.3
LAFAYETTE (GO-AOMK)	6.3	6.3	9.0	5.7	5.3	6.0	6.7	7.0	5.7	6.3	7.0	4.3	5.7	6.3
LIFEGUARD	6.3	6.3	9.0	5.3	5.0	5.7	6.3	7.0	5.7	6.7	7.3	4.7	6.0	6.3
PADRE 2	6.0	6.7	9.0	5.3	5.3	6.3	7.3	7.0	6.0	6.3	6.3	4.0	5.3	6.2
RAD-TF131	6.7	6.3	9.0	4.7	5.7	6.7	6.0	7.0	5.7	6.3	7.0	4.7	5.3	6.2
HEMI	6.0	7.3	9.0	4.0	5.3	6.7	7.0	7.0	5.7	6.0	6.7	4.3	6.0	6.2
BULLSEYE	6.0	6.0	9.0	4.3	5.0	6.7	6.0	7.0	6.0	6.7	7.3	4.7	6.0	6.2

TABLE 19.
(CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	DE1	IA1	IN1	MI1	MS1	NC1	NE1	OK1	ON1	TN1	UT1	VA1	MEAN
JT 517	6.0	6.7	8.7	5.0	5.0	5.7	7.0	7.0	6.0	6.7	6.3	4.7	6.0	6.2
PST-5DZM	6.0	6.0	9.0	5.3	4.7	6.0	6.3	7.0	5.7	7.3	7.0	4.3	6.0	6.2
3B2	6.7	6.7	8.7	5.0	5.3	6.0	6.0	7.0	5.7	6.7	7.0	4.0	6.0	6.2
EXTRAVAGANZA (PST-5MCMO)	6.0	6.3	9.0	5.0	5.0	6.3	7.3	7.0	5.3	6.0	6.7	4.3	6.3	6.2
GRO-PRO (SE53D2)	6.0	6.3	9.0	5.3	4.7	6.3	6.3	7.0	5.7	6.0	7.3	3.7	6.7	6.2
TOPSHELFB (BGR-TF3)	6.0	6.3	9.0	6.0	5.3	5.7	5.3	6.7	6.0	6.7	7.0	4.3	6.0	6.2
ATF1768	6.0	6.7	9.0	5.0	4.7	6.0	7.3	6.3	5.3	6.3	7.0	4.0	6.3	6.2
PRO GOLD	6.0	6.0	9.0	5.0	4.7	6.0	7.0	7.0	5.3	6.0	7.7	4.0	6.0	6.1
PST-5THM	6.3	6.0	9.0	4.3	4.7	6.7	7.3	7.0	5.3	5.7	7.3	3.7	6.0	6.1
HELLCAT GLR (PST-5E6)	6.0	6.3	9.0	5.3	5.0	5.7	7.3	7.0	5.0	5.7	7.0	3.7	6.3	6.1
AST8118LM	6.3	6.3	9.0	4.3	5.0	5.7	6.0	7.0	5.7	5.7	7.3	4.7	6.0	6.1
SETFM2	6.0	6.0	9.0	5.3	4.7	7.0	7.0	7.0	5.3	5.3	6.3	4.3	5.7	6.1
LBF	5.7	6.3	9.0	5.0	5.0	6.0	6.7	6.0	5.7	5.7	7.0	4.7	6.0	6.1
SETFM3	6.0	6.0	9.0	4.7	5.0	6.0	6.7	7.0	5.3	7.0	6.0	4.0	6.0	6.1
MONUMENT (PST-5SQB)	6.3	6.0	9.0	5.0	5.0	5.7	6.0	7.0	5.0	6.0	7.3	4.3	5.7	6.0
PST-5DC24	6.0	7.0	9.0	5.0	4.3	6.0	6.0	7.0	5.0	5.7	7.3	4.0	6.0	6.0
FAYETTE	6.0	5.7	9.0	5.0	5.0	6.0	6.0	6.3	6.0	6.3	6.0	4.7	6.0	6.0
BARNOBLE (BAR 9FE MAS)	6.0	5.7	9.0	5.3	5.3	5.7	5.3	6.3	5.7	6.3	7.3	4.0	6.0	6.0
PST-5MINK	6.3	6.0	9.0	5.0	5.0	6.0	6.0	7.0	5.3	6.0	7.0	4.0	5.3	6.0
BANDIT	6.0	6.0	9.0	5.0	4.7	5.7	5.7	7.0	5.7	6.3	6.7	4.3	5.7	6.0
MOONDANCE GLX	6.3	6.3	9.0	4.7	4.3	6.0	5.3	7.0	5.7	6.0	7.0	3.7	6.3	6.0
SE5STAR	6.0	6.0	9.0	5.3	4.7	6.0	5.3	7.0	5.7	6.3	7.0	4.0	5.0	5.9
BIRMINGHAM	6.0	6.3	9.0	4.3	5.0	6.0	5.3	7.0	5.3	6.7	6.3	4.7	5.3	5.9
KIZZLE (K18-ROE)	6.0	6.3	8.7	4.3	5.0	6.3	6.7	6.0	5.7	6.3	6.3	4.3	5.3	5.9
GRANDE 3	6.0	6.0	9.0	5.0	5.0	6.0	6.7	6.7	5.3	5.3	6.0	4.3	5.7	5.9
NATURALLY GREEN	6.0	6.0	9.0	4.3	4.7	6.7	6.0	6.3	5.7	6.7	6.0	4.0	5.7	5.9
ORIOLE (PST-5BYOB)	6.0	6.3	9.0	5.0	4.0	6.0	6.3	7.0	5.3	5.7	6.7	3.3	6.0	5.9
GRAND PRIX (FC15-01P)	6.3	6.3	9.0	5.3	4.3	6.0	5.3	7.0	5.7	5.7	6.0	3.7	5.7	5.9
ATF2116	6.0	6.0	9.0	4.7	4.0	6.3	6.0	6.3	5.7	6.0	6.7	3.7	5.7	5.8
BRAVO 2	6.0	6.3	9.0	4.3	4.0	5.7	5.7	7.0	6.0	5.7	6.7	4.0	5.7	5.8
NAI-FQZ-17	5.7	6.0	9.0	4.0	4.7	5.7	5.7	7.0	5.7	6.7	7.0	4.0	5.0	5.8
TANGO	6.0	6.0	9.0	4.3	4.0	6.3	6.3	7.0	5.3	6.0	6.7	3.3	5.7	5.8
BAR-FA8230	6.3	6.3	9.0	4.3	4.7	6.0	5.7	7.0	5.3	5.0	6.3	4.0	5.7	5.8
AST8218LM	6.0	6.0	8.7	4.3	4.7	6.7	5.3	7.0	5.3	5.3	6.3	4.0	5.7	5.8
ESCALADE	6.0	5.7	8.0	4.0	4.3	5.7	5.3	7.0	5.3	6.3	6.0	4.0	5.7	5.6
PALOMAR	6.0	6.0	9.0	4.3	3.7	5.3	5.3	7.0	5.0	5.3	6.7	3.3	6.0	5.6
BAR FA 8228	6.0	6.0	8.7	4.7	4.0	5.7	5.3	6.0	5.0	6.0	6.7	3.0	5.0	5.5
OG-WALK	6.0	5.3	9.0	4.0	4.3	5.7	4.7	7.0	5.7	5.7	6.0	3.3	5.0	5.5
KENTUCKY-31	5.0	4.0	9.0	3.0	2.3	5.0	4.0	7.0	4.7	4.3	5.0	2.0	2.0	4.4
LSD VALUE	0.7	0.9	0.5	1.0	0.9	0.9	0.9	0.3	0.7	1.1	1.6	0.7	0.9	0.3
C.V. (%)	7.0	8.4	3.5	11.5	10.6	9.2	8.3	2.6	7.6	10.1	14.8	9.9	9.4	8.9

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

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

TABLE 20.

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	IA1	IN1	NC1	OK1	ON1	TN1	
FASTLANE (BY-TF-169)	6.7	6.7	8.7	7.0	6.3	7.3	7.1
EXPANSE (PPG-TF 262)	6.3	7.0	8.7	6.3	6.7	7.7	7.1
BATTLE HAWK (NAI-ROS4)	6.3	6.7	8.7	7.0	6.3	7.3	7.1
PPG-TF 316	6.3	7.0	9.0	7.0	6.3	6.7	7.1
DLFPS-321/3708	6.0	6.7	8.7	6.7	6.0	8.0	7.0
RAPTOR LS (PPG-TF 336)	6.3	6.7	9.0	7.0	6.0	7.0	7.0
SOUTHSIDE (PPG-TF 267)	5.7	7.7	8.3	7.0	6.7	6.3	6.9
BULLSEYE LTZ	6.0	7.3	9.0	6.7	5.7	7.0	6.9
ROVER (PPG-TF 306)	6.0	7.0	8.7	6.3	6.0	7.7	6.9
TITANIUM G-LS (PPG-TF 255)	6.7	6.3	9.0	7.0	5.7	7.0	6.9
DYNAMITE G-LS (PPG-TF 254)	6.3	6.7	8.0	6.7	6.3	7.3	6.9
JT 233	6.0	6.7	8.3	7.0	6.3	7.0	6.9
PPG-TF 231	6.0	6.7	7.7	6.7	6.3	8.0	6.9
PPG-TF 337	6.3	7.0	8.7	6.7	5.3	7.3	6.9
PROVIDENCE (GO-RH20)	6.7	5.7	9.0	6.7	6.3	7.0	6.9
SPYDER 2LS (ZRC1)	6.3	6.7	9.0	6.0	5.3	8.0	6.9
DAYBREAK (AH2)	6.3	6.0	9.0	6.3	6.7	7.0	6.9
PPG-TF 249	6.7	6.3	8.7	7.3	6.3	6.0	6.9
NAI-ST5	6.0	5.7	9.0	7.0	6.0	7.3	6.8
PPG-TF 318	5.7	6.0	8.7	7.0	7.0	6.7	6.8
STEALTH (PPG-TF 238)	6.3	6.7	8.7	6.3	6.7	6.3	6.8
EXTRAVAGANZA (PST-5MCMO)	5.7	6.0	9.0	7.0	5.7	7.3	6.8
K18-NSE	6.3	6.7	9.0	5.7	5.7	7.3	6.8
RACEWAY (DLFPS-321/3696)	5.7	6.7	8.3	6.3	6.3	7.3	6.8
RHF	6.7	6.0	9.0	6.7	6.3	6.0	6.8
TANK (PPG-TF 338)	6.3	6.0	8.7	6.7	5.7	7.3	6.8
HOUND DOG NINE (DLFPS-321/3702)	6.3	6.7	8.7	6.3	5.7	7.0	6.8
XANADU (JT 268)	6.7	7.3	8.7	5.7	6.0	6.3	6.8
BONFIRE (JS DTT)	5.7	7.0	8.7	7.0	5.7	6.3	6.7
DLFPS-321/3693	6.7	6.0	8.7	6.3	6.3	6.3	6.7
DLFPS-321/3695	6.7	5.7	8.7	6.7	5.3	7.3	6.7
ENDGAME (3N1)	6.3	6.0	8.7	7.0	5.0	7.3	6.7
GALACTIC (SESCR1)	6.0	5.0	9.0	6.7	7.0	6.7	6.7
TD2	6.0	6.7	8.7	6.7	5.7	6.7	6.7
K18-RS6	6.3	6.3	9.0	6.7	5.3	6.7	6.7
NT-3	6.0	7.0	8.3	6.3	6.0	6.3	6.7
ATF1768	6.0	6.0	9.0	6.3	5.7	7.0	6.7
COL-TF-148	5.3	6.7	9.0	6.0	6.3	6.7	6.7
RDC	6.0	6.7	8.7	6.0	5.7	7.0	6.7
SERENADE (PPG-TF 320)	6.0	6.0	8.7	7.3	6.0	6.0	6.7
TEACHER (PPG-TF 313)	6.0	6.7	8.3	6.3	6.0	6.7	6.7
GALLARDO (DLFPS-TF/3550)	6.3	6.0	8.7	6.7	6.0	6.0	6.6
ZION (BAR TF 134)	5.7	6.0	8.7	6.3	6.7	6.3	6.6
AVENGER III (PPG-TF 308)	6.0	6.0	9.0	6.3	6.0	6.3	6.6
CAPITAN (DLFPS-321/3705)	6.0	6.3	9.0	6.3	5.3	6.7	6.6
DEGAS (LTP-TF-111)	6.0	5.7	9.0	7.0	5.3	6.7	6.6

TABLE 20.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	IA1	IN1	NC1	OK1	ON1	TN1	
DRAGSTER	6.0	6.0	8.0	6.7	6.3	6.7	6.6
FINELAWN SUPREME (RH3)	6.3	6.0	8.7	7.0	5.0	6.7	6.6
FIRECRACKER G-LS (PPG-TF 315)	5.7	7.0	8.7	6.7	5.0	6.7	6.6
OKEEFE (LTP-TF-122)	5.3	6.7	9.0	6.3	5.3	7.0	6.6
PPG-TF 312	5.7	6.3	8.0	7.0	5.7	7.0	6.6
BLADERUNNER 3 (DLFPS-321/3701)	6.3	6.7	8.3	6.7	5.7	5.7	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	5.7	6.7	9.0	6.0	5.7	6.3	6.6
PST-5DZM	5.7	5.3	8.0	6.7	6.7	7.0	6.6
ROWDIER (DLFPS-321/3699)	6.0	5.7	7.7	6.7	5.7	7.7	6.6
TALLADEGA II (NAI-3N2)	5.7	6.0	8.0	6.7	6.0	7.0	6.6
TRIAD (PPG-TF 323)	6.0	6.0	8.3	6.7	6.0	6.3	6.6
VALSETZ (PPG-TF 257)	6.0	6.7	8.0	7.0	5.0	6.7	6.6
3B2	6.0	6.0	8.7	7.0	5.7	6.0	6.6
5LSS	6.0	7.3	9.0	6.3	5.0	5.7	6.6
RHL2	6.0	6.3	9.0	6.0	6.3	5.7	6.6
DLFPS-321/3694	5.7	6.3	8.0	6.7	6.0	6.3	6.5
CLASH (AH1)	6.7	5.3	8.7	6.0	6.3	6.0	6.5
DLFPS-TF/3553	5.7	7.0	8.7	5.7	6.0	6.0	6.5
FIRENZA II (PPG-TF 244)	5.7	6.7	8.0	6.7	6.3	5.7	6.5
K18-WB1	6.3	6.0	8.3	6.7	5.3	6.3	6.5
LIFEGUARD	6.3	6.3	8.3	6.3	5.7	6.0	6.5
PADRE 2	6.3	6.0	8.3	6.7	5.3	6.3	6.5
SR 8700 (TMT1)	5.3	6.3	8.7	7.3	6.3	5.0	6.5
SYMPHONY (PPG-TF 305)	6.0	6.3	8.3	6.7	5.7	6.0	6.5
TITAN MAX (TF456)	6.0	6.0	8.7	6.7	6.0	5.7	6.5
FALCON SUPREME (RH1)	6.3	5.7	8.3	6.3	5.0	7.0	6.4
DLFPS-321/3703	6.3	5.0	8.3	6.0	6.0	7.0	6.4
FIREHAWK SLT	6.3	5.7	8.7	6.0	5.3	6.7	6.4
JT 517	5.7	5.0	8.0	6.3	6.0	7.7	6.4
PST-5THM	5.7	5.0	8.7	6.3	5.3	7.7	6.4
RS1	6.0	6.3	8.7	6.3	6.0	5.3	6.4
FAYETTE	6.3	5.0	8.7	6.0	5.7	6.7	6.4
ORIOLE (PST-5BYOB)	5.7	5.3	8.3	7.0	4.7	7.3	6.4
PRO GOLD	6.3	6.0	7.7	7.0	5.0	6.3	6.4
RAD-TF105	5.7	5.7	8.7	6.0	6.0	6.3	6.4
DLFPS-321/3707	6.0	6.0	8.7	6.0	5.3	6.3	6.4
LAFAYETTE (GO-AOMK)	5.7	5.0	8.3	6.3	5.3	7.7	6.4
PST-5TRN	5.7	5.7	9.0	6.7	5.7	5.3	6.3
COPIOUS TF	6.0	5.7	8.0	5.7	5.3	7.3	6.3
DLFPS-321/3706	6.0	5.7	8.0	6.3	6.0	6.0	6.3
GLX REVIVE (PST-5GLBS)	6.3	5.7	9.0	6.0	5.0	6.0	6.3
LBF	6.0	5.7	8.0	6.3	5.3	6.7	6.3
PARAMOUNT	6.0	5.3	8.3	6.0	5.7	6.7	6.3
RC4	5.7	6.3	8.7	7.0	4.0	6.3	6.3
TOUGH (NAI-TUE)	6.0	5.0	8.0	7.0	5.7	6.3	6.3
RAPTOR III	5.0	5.3	8.7	6.0	5.7	7.0	6.3
A-TF31	6.0	5.3	8.7	6.0	5.0	6.7	6.3

TABLE 20.
(CONT'D)

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	IA1	IN1	NC1	OK1	ON1	TN1	
HEMI	6.3	5.0	8.3	6.0	5.7	6.3	6.3
KIZZLE (K18-ROE)	6.3	5.7	7.7	6.0	5.3	6.7	6.3
PST-5MINK	6.0	5.3	8.0	6.0	5.7	6.7	6.3
ESTRENA	5.7	6.3	7.7	6.0	5.3	6.3	6.2
SETFM2	5.7	6.0	8.0	6.0	5.3	6.3	6.2
GRANDE 3	5.3	5.3	7.7	6.0	6.0	7.0	6.2
SETFM3	6.0	5.0	8.7	7.0	5.7	5.0	6.2
BANDIT	6.7	5.0	7.3	7.0	5.3	5.7	6.2
BAR-FA8230	6.0	4.3	8.0	6.3	5.7	6.7	6.2
GLX ACED (PST-5DART)	6.3	6.0	8.3	6.7	4.3	5.3	6.2
GRAND PRIX (FC15-01P)	6.3	5.0	7.3	6.0	5.0	7.3	6.2
PST-5GQ	5.7	6.0	8.3	6.0	5.3	5.7	6.2
BULLSEYE	5.7	5.0	7.7	6.7	5.7	6.0	6.1
AST8118LM	6.3	5.7	7.3	6.3	5.0	6.0	6.1
BENTLEY (DLFPS-321/3679)	5.3	5.0	7.7	6.3	5.7	6.7	6.1
PST-5DC24	5.7	6.0	8.0	6.3	4.3	6.3	6.1
TITAN GLX (TF445)	6.0	6.0	8.7	6.0	5.7	4.3	6.1
GRO-PRO (SE53D2)	5.7	5.3	8.7	6.7	4.7	5.3	6.1
HELLCAT GLR (PST-5E6)	5.3	5.3	8.7	6.0	4.7	6.3	6.1
NAI-FQZ-17	6.3	4.3	8.3	6.0	4.3	7.0	6.1
ATF2116	5.3	5.3	7.3	6.7	4.7	6.7	6.0
TANGO	5.3	5.3	8.3	6.0	5.0	6.0	6.0
FAIRFIELD (SETF104)	5.0	5.0	8.3	6.0	5.7	5.7	5.9
RAD-TF131	6.3	5.0	8.7	4.7	5.0	6.0	5.9
AST8218LM	5.3	5.3	8.0	6.3	4.7	6.0	5.9
BARNOBLE (BAR 9FE MAS)	6.0	5.0	7.3	6.0	5.3	6.0	5.9
MOONDANCE GLX	5.7	5.3	7.3	7.0	4.7	5.7	5.9
TOPSHELF (BGR-TF3)	6.3	5.3	7.0	6.0	4.7	6.3	5.9
SE5STAR	5.7	4.7	7.0	6.0	6.0	6.0	5.9
MONUMENT (PST-5SQB)	6.0	5.7	7.3	6.0	4.3	6.0	5.9
BIRMINGHAM	6.0	5.0	6.7	6.0	5.3	6.0	5.8
PALOMAR	6.7	4.7	7.3	5.7	4.7	6.0	5.8
BRAVO 2	5.7	5.0	7.7	6.3	4.3	5.7	5.8
BAR FA 8228	5.7	4.7	6.3	6.0	5.7	6.0	5.7
NATURALLY GREEN	5.7	5.0	7.3	5.7	4.7	5.7	5.7
OG-WALK	5.7	4.7	6.7	6.0	4.7	6.3	5.7
RAD-TF115 (TURBO SS)	5.7	5.3	8.3	3.7	4.3	6.7	5.7
ESCALADE	5.7	4.3	7.0	6.3	4.3	5.7	5.6
KENTUCKY-31	5.7	4.0	5.7	4.0	3.3	6.3	4.8
LSD VALUE	1.1	1.0	0.8	0.9	1.7	1.7	0.5
C.V. (%)	11.2	11.0	5.8	8.3	18.8	16.7	12.1

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

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

TABLE 21.

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	IA1	IN1	MS1	NC1	OK1	ON1	TN1	UT1	MEAN
SERENADE (PPG-TF 320)	6.7	6.3	6.0	6.7	7.0	6.0	7.0	7.3	7.0	6.7
COL-TF-148	7.0	6.7	6.0	6.7	7.3	4.7	7.0	6.7	7.0	6.6
CAPITAN (DLFPS-321/3705)	7.0	6.3	6.7	6.0	7.3	5.3	6.0	7.0	7.0	6.5
DLFPS-321/3708	7.0	6.3	6.0	6.3	7.7	4.0	6.7	7.7	6.7	6.5
TD2	7.0	6.0	5.7	6.0	7.7	5.0	6.3	7.3	7.0	6.4
PPG-TF 316	7.0	6.7	6.0	6.7	6.7	4.3	6.3	6.7	7.3	6.4
K18-RS6	7.0	6.0	5.7	6.0	7.3	5.0	6.7	7.0	7.0	6.4
DEGAS (LTP-TF-111)	7.0	6.3	6.0	6.7	7.0	5.0	6.0	6.3	7.0	6.4
DLFPS-321/3707	6.7	6.0	5.3	6.3	8.0	5.0	6.3	6.3	7.3	6.4
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.3	6.7	5.7	7.0	4.7	6.7	6.3	7.0	6.4
K18-NSE	7.0	6.7	6.7	4.0	7.3	5.3	7.0	6.3	7.0	6.4
XANADU (JT 268)	6.7	6.0	6.3	6.3	7.0	4.7	6.7	6.7	7.0	6.4
5LSS	7.0	6.3	7.0	6.3	7.0	3.7	6.3	6.3	7.0	6.3
NT-3	7.3	6.7	6.0	6.0	6.7	4.0	7.0	6.3	7.0	6.3
RAPTOR LS (PPG-TF 336)	6.3	6.3	6.0	6.3	7.0	5.0	6.3	6.7	7.0	6.3
SYMPHONY (PPG-TF 305)	6.7	6.3	6.3	7.0	6.7	4.7	6.0	6.3	7.0	6.3
BATTLE HAWK (NAI-ROS4)	7.0	6.0	6.3	6.0	7.3	5.7	6.7	5.0	7.0	6.3
DLFPS-321/3706	6.7	6.3	6.3	5.0	7.0	5.3	6.7	6.7	7.0	6.3
EXTRAVAGANZA (PST-5MCMO)	6.3	6.3	6.0	5.7	7.3	5.7	6.7	6.7	6.3	6.3
TEACHER (PPG-TF 313)	7.0	6.3	5.7	6.3	7.0	5.7	7.0	5.0	7.0	6.3
BULLSEYE LTZ	7.0	6.7	7.0	5.7	6.3	5.0	6.3	6.3	6.3	6.3
EXPANSE (PPG-TF 262)	6.7	6.7	6.7	5.0	7.7	3.7	7.3	6.0	7.0	6.3
FIREHAWK SLT	6.7	7.0	6.0	5.7	6.3	5.3	7.0	6.0	6.7	6.3
PROVIDENCE (GO-RH20)	7.0	6.3	5.7	6.0	7.3	5.0	6.7	5.7	7.0	6.3
STEALTH (PPG-TF 238)	6.3	6.0	6.3	4.7	7.0	5.0	7.3	7.3	6.7	6.3
RC4	7.0	6.7	6.3	6.0	7.7	3.7	6.7	5.7	7.0	6.3
CLASH (AH1)	7.0	6.0	5.7	6.7	6.3	4.7	6.3	6.7	7.0	6.3
DLFPS-TF/3553	7.0	5.7	5.7	6.0	7.0	4.3	6.7	7.0	7.0	6.3
NAI-ST5	6.7	6.3	5.3	6.0	7.7	4.7	6.3	6.3	7.0	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.0	6.3	5.7	8.0	4.7	6.0	6.0	6.7	6.3
AVENGER III (PPG-TF 308)	6.7	6.7	5.7	6.3	7.0	3.7	6.7	6.7	7.0	6.3
BONFIRE (JS DTT)	6.7	6.3	6.7	6.7	6.3	4.0	6.3	6.0	7.0	6.2
ZION (BAR TF 134)	6.7	6.7	6.0	5.7	6.7	5.0	6.0	6.3	7.0	6.2
OKEEFE (LTP-TF-122)	7.0	6.0	6.3	5.7	6.7	5.7	6.3	5.7	6.7	6.2
PPG-TF 249	6.7	5.7	5.3	6.7	5.7	5.3	6.7	7.0	7.0	6.2
RHL2	7.0	6.3	6.7	5.0	7.0	4.0	6.7	6.0	7.3	6.2
VALSETZ (PPG-TF 257)	7.0	6.3	6.0	5.3	6.7	5.0	6.3	6.3	7.0	6.2
DAYBREAK (AH2)	7.0	6.0	5.3	6.0	7.3	4.7	6.7	6.0	7.0	6.2
GALLARDO (DLFPS-TF/3550)	6.7	6.0	5.7	5.7	7.0	5.7	6.0	6.3	6.7	6.2
PPG-TF 231	6.7	6.7	6.3	6.3	5.3	4.3	7.3	6.3	6.3	6.2
PPG-TF 337	6.3	6.3	6.7	6.3	7.3	4.0	6.3	5.3	7.0	6.2
SPYDER 2LS (ZRC1)	7.0	5.7	6.7	5.3	7.0	3.7	7.0	6.3	7.0	6.2
PST-5TRN	6.3	5.7	6.0	6.0	7.3	5.3	6.7	6.0	6.3	6.2
TANK (PPG-TF 338)	6.7	6.3	6.0	6.0	7.0	5.0	7.0	5.0	6.7	6.2
DYNAMITE G-LS (PPG-TF 254)	6.3	6.3	6.3	6.7	6.3	3.3	7.3	6.0	6.7	6.1
RACEWAY (DLFPS-321/3696)	6.3	6.3	6.3	6.0	5.7	3.7	6.7	7.3	7.0	6.1

TABLE 21.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	IA1	IN1	MS1	NC1	OK1	ON1	TN1	UT1	MEAN
TALLADEGA II (NAI-3N2)	7.0	6.3	5.7	5.7	5.0	6.0	7.0	6.3	6.3	6.1
TITANIUM G-LS (PPG-TF 255)	6.7	5.7	5.7	6.7	6.7	4.0	7.0	6.0	7.0	6.1
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.0	6.0	6.3	6.0	5.3	6.7	5.3	6.7	6.1
GLX REVIVE (PST-5GLBS)	6.3	6.3	6.0	7.0	6.0	5.3	6.7	5.7	6.0	6.1
HEMI	7.0	6.0	4.7	6.0	7.3	4.7	6.7	7.0	6.0	6.1
LIFEGUARD	6.3	6.0	6.3	6.7	5.7	4.0	7.0	6.7	6.7	6.1
PPG-TF 318	6.3	6.3	6.0	6.0	7.3	3.7	7.0	5.7	7.0	6.1
ROVER (PPG-TF 306)	7.0	6.0	6.7	5.7	6.0	4.7	6.7	5.7	7.0	6.1
DLFPS-321/3693	7.0	6.7	5.7	6.3	5.7	4.3	6.3	6.0	7.0	6.1
DLFPS-321/3695	7.0	6.7	5.7	6.3	5.3	5.3	6.0	5.3	7.3	6.1
DRAGSTER	6.7	6.0	5.7	6.3	6.7	4.7	6.3	5.7	7.0	6.1
FIRENZA II (PPG-TF 244)	6.7	6.7	5.7	7.0	6.0	4.7	6.3	5.7	6.3	6.1
GALACTIC (SESCR1)	7.0	5.7	5.7	5.7	7.3	5.0	6.0	5.7	7.0	6.1
TRIAD (PPG-TF 323)	6.7	6.0	5.3	6.3	7.3	3.3	6.7	6.3	7.0	6.1
A-TF31	7.0	6.0	5.7	5.7	4.7	5.7	7.0	7.0	6.0	6.1
FINELAWN SUPREME (RH3)	6.7	6.0	6.0	5.3	7.3	3.0	6.3	7.0	7.0	6.1
PST-5DZM	6.0	6.0	5.3	6.3	6.3	5.7	7.3	5.7	6.0	6.1
PST-5GQ	6.3	6.0	5.7	5.3	6.3	4.7	6.7	7.0	6.7	6.1
RDC	7.0	6.0	5.7	5.3	7.0	4.3	6.7	5.3	7.0	6.0
RHF	6.7	6.3	6.0	6.7	6.7	3.0	6.0	6.0	7.0	6.0
RS1	7.0	6.0	5.7	5.7	7.3	3.7	6.0	6.3	6.7	6.0
TITAN MAX (TF456)	6.3	6.0	6.0	6.0	6.7	5.0	6.3	5.3	6.7	6.0
ATF1768	6.0	6.7	5.7	5.3	7.3	4.3	6.7	5.7	6.7	6.0
ESTRENA	7.0	6.0	6.7	4.3	5.0	5.7	6.7	6.0	7.0	6.0
GLX ACED (PST-5DART)	6.3	6.3	5.7	6.3	6.3	4.7	6.7	5.7	6.3	6.0
DLFPS-321/3694	6.3	6.3	5.3	5.7	5.7	4.7	6.3	6.7	7.0	6.0
PPG-TF 312	7.0	5.3	6.7	4.7	7.3	3.7	6.3	5.3	7.7	6.0
SOUTHSIDE (PPG-TF 267)	6.7	5.7	6.3	6.0	6.3	5.0	6.7	5.0	6.3	6.0
HOUNDG NINE (DLFPS-321/3702)	6.7	5.7	5.7	6.3	5.7	4.3	6.0	6.3	7.0	6.0
TITAN GLX (TF445)	6.3	5.3	6.0	6.7	6.7	4.0	7.3	4.3	7.0	6.0
FALCON SUPREME (RH1)	6.3	6.0	5.0	6.3	7.0	4.7	6.3	5.3	6.7	6.0
PST-5MINK	6.0	6.7	5.3	5.3	5.7	3.7	7.3	7.0	6.7	6.0
RAPTOR III	7.0	6.3	5.3	6.3	6.7	3.7	6.7	5.3	6.3	6.0
ENDGAME (3N1)	6.3	7.0	5.7	4.3	5.0	5.3	6.7	6.7	6.7	6.0
ROWDIER (DLFPS-321/3699)	6.3	5.7	5.7	6.0	4.7	5.0	6.3	7.0	6.7	5.9
FASTLANE (BY-TF-169)	6.7	6.0	5.3	5.7	6.0	4.3	6.7	5.7	7.0	5.9
GRO-PRO (SE53D2)	6.3	6.7	4.7	6.3	6.3	5.0	6.0	6.0	6.0	5.9
BRAVO 2	6.0	6.3	4.7	5.7	5.7	5.3	6.7	6.7	6.0	5.9
COPIOUS TF	6.7	6.0	5.7	5.7	5.7	4.7	6.3	5.7	6.7	5.9
GRANDE 3	6.0	6.3	5.3	6.0	6.0	5.0	5.7	6.3	6.3	5.9
KIZZLE (K18-ROE)	6.3	5.7	5.3	6.3	5.3	4.7	6.3	6.7	6.3	5.9
MONUMENT (PST-5SQB)	6.3	6.7	5.3	5.7	4.7	5.7	6.3	6.3	6.0	5.9
RAD-TF105	6.7	5.7	5.7	5.3	6.3	4.3	7.0	5.7	6.3	5.9
TOUGH (NAI-TUE)	7.0	6.0	5.0	4.7	6.3	5.3	6.3	6.0	6.3	5.9
SR 8700 (TMT1)	6.7	6.3	5.7	5.7	5.3	4.7	6.3	5.3	6.7	5.9
BAR-FA8230	6.0	5.7	4.7	6.3	6.0	5.7	6.0	6.7	5.7	5.9
SETFM2	6.3	5.7	5.3	5.7	6.3	5.7	5.7	6.0	6.0	5.9

TABLE 21.
(CONT'D)

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	IA1	IN1	MS1	NC1	OK1	ON1	TN1	UT1	MEAN
SETFM3	6.3	5.7	5.0	5.3	6.7	3.7	7.0	6.7	6.3	5.9
PARAMOUNT	7.0	6.7	5.7	5.0	4.7	4.3	6.3	5.7	7.0	5.8
ATF2116	6.0	6.3	4.7	6.3	5.0	5.3	5.7	7.0	6.0	5.8
JT 233	6.3	6.3	5.7	5.7	6.0	3.3	6.7	5.7	6.7	5.8
K18-WB1	6.3	6.3	6.3	5.0	6.3	4.0	5.3	5.7	7.0	5.8
PST-5DC24	6.3	6.3	5.0	6.0	5.3	4.7	5.7	7.0	6.0	5.8
ESCALADE	6.0	6.3	4.7	5.7	4.3	6.0	6.7	7.0	5.3	5.8
FAYETTE	6.0	6.3	5.3	4.3	5.7	5.3	6.0	6.3	6.7	5.8
MOONDANCE GLX	6.0	6.3	5.0	6.0	5.7	5.3	6.7	5.3	5.7	5.8
PST-5THM	6.3	6.0	4.7	6.0	6.3	5.0	6.3	5.3	6.0	5.8
TOPSHELF (BGR-TF3)	6.3	6.7	5.7	6.0	4.0	5.3	6.0	6.0	6.0	5.8
BENTLEY (DLFPS-321/3679)	6.3	6.3	5.3	5.7	5.3	4.7	6.7	5.7	6.0	5.8
3B2	6.3	6.0	5.0	6.0	5.7	5.3	6.7	4.3	6.3	5.7
JT 517	6.7	6.0	4.7	6.3	4.3	4.0	6.7	6.3	6.7	5.7
LBF	6.7	6.7	5.7	5.7	4.3	5.0	6.0	5.7	6.0	5.7
NAI-FQZ-17	6.0	6.0	4.7	5.0	6.0	5.3	6.0	6.7	6.0	5.7
FAIRFIELD (SETF104)	7.0	6.0	5.0	5.7	5.7	3.3	6.3	6.0	6.3	5.7
SE5STAR	6.0	6.0	4.3	5.7	4.7	5.3	6.0	7.3	6.0	5.7
DLFPS-321/3703	6.3	5.7	5.0	5.3	5.3	4.7	6.3	6.0	6.7	5.7
LAFAYETTE (GO-AOMK)	6.3	6.3	5.3	6.0	5.3	4.0	6.0	6.0	6.0	5.7
PRO GOLD	6.7	6.3	5.3	6.3	5.0	5.0	6.0	5.0	5.7	5.7
NATURALLY GREEN	6.3	6.3	4.3	5.7	5.0	5.0	6.7	5.7	6.0	5.7
AST8118LM	6.0	6.0	4.3	5.7	4.3	5.0	6.3	6.3	6.7	5.6
BULLSEYE	6.3	6.0	4.0	4.7	5.0	5.7	6.7	6.3	6.0	5.6
HELLCAT GLR (PST-5E6)	6.3	6.3	5.7	6.3	6.7	3.0	6.0	4.3	6.0	5.6
ORIOLE (PST-5BYOB)	6.0	6.7	5.7	5.7	5.3	5.0	5.3	5.3	5.3	5.6
RAD-TF131	7.0	6.0	5.0	5.3	6.3	4.3	6.0	4.0	6.3	5.6
BANDIT	6.3	6.3	5.3	5.3	5.3	4.7	5.7	5.3	6.0	5.6
BARNOBLE (BAR 9FE MAS)	6.0	6.3	4.7	4.7	5.0	5.0	6.7	5.3	6.3	5.6
PADRE 2	6.7	6.3	5.3	4.3	4.7	5.7	5.7	5.0	6.3	5.6
TANGO	6.0	5.7	5.0	5.3	6.0	4.3	6.0	5.7	6.0	5.6
AST8218LM	6.3	6.0	4.7	5.0	4.7	5.7	5.3	6.0	5.7	5.5
BAR FA 8228	6.0	6.7	5.0	6.0	5.3	4.3	6.0	4.3	5.7	5.5
PALOMAR	6.0	6.0	4.3	6.0	4.3	4.7	5.0	7.0	5.3	5.4
RAD-TF115 (TURBO SS)	6.0	6.3	4.7	5.0	5.3	3.3	5.3	6.3	6.0	5.4
OG-WALK	6.0	6.0	4.3	5.0	4.3	4.3	6.0	6.3	5.3	5.3
BIRMINGHAM	6.0	5.3	5.0	5.0	3.0	4.3	6.3	5.3	6.3	5.2
GRAND PRIX (FC15-01P)	6.0	5.3	5.0	5.0	4.0	5.0	6.0	5.3	4.3	5.1
KENTUCKY-31	5.0	6.0	3.0	4.7	4.7	4.0	4.7	6.0	4.3	4.7
LSD VALUE	0.7	1.0	1.2	1.5	1.6	1.5	1.1	2.0	0.7	0.4
C.V. (%)	6.5	10.3	13.5	16.5	16.2	20.2	10.7	20.8	7.0	13.9

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

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

TABLE 22.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	IA1	MI1	NE1	OK1	ON1	TN1	MEAN
TANK (PPG-TF 338)	7.3	7.3	9.0	6.7	6.0	7.3	8.0	7.4
NT-3	7.7	7.3	9.0	7.0	5.3	7.0	7.7	7.3
TEACHER (PPG-TF 313)	7.7	6.3	9.0	6.7	6.3	8.0	7.0	7.3
PPG-TF 318	7.0	7.3	9.0	6.3	6.0	7.7	7.7	7.3
5LSS	7.3	7.0	9.0	7.3	5.3	8.0	6.7	7.2
ZION (BAR TF 134)	7.3	8.0	9.0	7.0	5.3	7.0	7.0	7.2
BLADERUNNER 3 (DLFPS-321/3701)	7.7	5.7	9.0	7.0	6.0	8.0	7.0	7.2
BULLSEYE LTZ	7.3	7.7	9.0	7.0	5.7	7.3	6.3	7.2
AVENGER III (PPG-TF 308)	7.0	8.0	9.0	6.7	5.7	7.0	6.7	7.1
COL-TF-148	7.0	8.0	9.0	7.0	6.0	7.0	6.0	7.1
FIRENZA II (PPG-TF 244)	6.7	7.7	9.0	6.7	6.3	7.0	6.7	7.1
PROVIDENCE (GO-RH20)	7.0	6.3	9.0	7.0	6.3	7.3	7.0	7.1
TD2	7.3	7.0	9.0	7.0	6.0	7.3	6.3	7.1
SERENADE (PPG-TF 320)	7.0	6.7	9.0	6.3	6.7	7.7	6.7	7.1
HOUNDG NINE (DLFPS-321/3702)	7.3	7.0	9.0	7.0	5.7	7.3	6.3	7.1
RACEWAY (DLFPS-321/3696)	7.0	7.3	9.0	7.0	5.7	7.3	6.3	7.1
DLFPS-321/3694	7.3	8.0	9.0	7.0	5.7	7.0	5.7	7.1
EXTRAVAGANZA (PST-5MCMO)	7.0	7.7	9.0	6.3	5.7	6.3	7.3	7.0
FIREHAWK SLT	7.0	7.7	9.0	7.0	5.7	7.0	6.0	7.0
GLX REVIVE (PST-5GLBS)	7.0	7.3	9.0	6.7	6.3	7.0	6.0	7.0
K18-RS6	7.0	5.7	9.0	7.0	6.3	7.3	7.0	7.0
DRAGSTER	7.0	5.3	9.0	7.0	6.3	8.0	6.7	7.0
NAI-ST5	7.0	6.3	9.0	7.0	5.3	7.7	7.0	7.0
PADRE 2	6.7	7.3	9.0	6.7	6.3	6.7	6.7	7.0
DLFPS-321/3695	7.3	7.3	9.0	7.0	5.0	7.0	6.3	7.0
DLFPS-321/3703	7.0	7.7	9.0	7.0	6.0	6.7	5.7	7.0
FASTLANE (BY-TF-169)	7.0	6.0	9.0	7.0	6.0	7.3	6.7	7.0
K18-WB1	7.0	8.0	9.0	6.7	5.3	7.0	6.0	7.0
RC4	7.0	7.0	8.7	7.0	6.0	7.0	6.3	7.0
XANADU (JT 268)	7.3	5.7	9.0	7.0	6.0	7.7	6.3	7.0
DYNAMITE G-LS (PPG-TF 254)	7.0	7.3	9.0	6.7	5.7	7.7	5.7	7.0
DAYBREAK (AH2)	7.0	4.3	9.0	7.0	6.7	7.3	7.3	7.0
EXPANSE (PPG-TF 262)	7.7	5.7	9.0	6.7	5.7	7.3	6.7	7.0
GLX ACED (PST-5DART)	7.0	7.7	9.0	6.0	5.7	7.0	6.3	7.0
GRO-PRO (SE53D2)	7.0	7.0	9.0	6.7	5.7	7.0	6.3	7.0
RAD-TF115 (TURBO SS)	7.0	7.7	9.0	6.7	5.3	6.3	6.7	7.0
RHL2	7.3	6.7	9.0	7.0	6.0	7.3	5.3	7.0
DLFPS-TF/3553	7.0	6.3	9.0	7.0	5.3	7.7	6.3	7.0
FAYETTE	6.7	6.7	9.0	7.0	5.7	7.0	6.7	7.0
K18-NSE	7.3	5.7	9.0	7.0	6.0	7.7	6.0	7.0
RS1	7.0	6.3	9.0	7.0	5.7	7.0	6.7	7.0
STEALTH (PPG-TF 238)	7.3	5.0	9.0	6.7	6.0	8.0	6.7	7.0
TRIAD (PPG-TF 323)	7.0	7.0	9.0	7.0	5.3	6.7	6.7	7.0
VALSETZ (PPG-TF 257)	7.0	6.7	8.7	6.7	6.0	7.0	6.7	7.0
A-TF31	7.0	7.0	9.0	6.0	5.3	7.3	6.7	6.9
DLFPS-321/3706	7.0	7.0	9.0	7.0	5.3	6.3	6.7	6.9

TABLE 22.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	CT1	IA1	MI1	NE1	OK1	ON1	TN1	MEAN
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.3	9.0	6.7	5.3	6.7	7.3	6.9
FALCON SUPREME (RH1)	7.0	6.7	9.0	7.0	5.3	7.0	6.3	6.9
OKEEFE (LTP-TF-122)	7.0	6.0	9.0	6.7	6.0	7.0	6.7	6.9
PPG-TF 337	7.0	7.0	9.0	6.7	6.0	6.7	6.0	6.9
ENDGAME (3N1)	7.0	6.3	9.0	6.7	5.7	7.0	6.7	6.9
AST8118LM	6.3	7.7	9.0	6.7	5.0	6.3	7.0	6.9
DLFPS-321/3693	7.7	6.7	9.0	7.0	5.3	7.0	5.3	6.9
HEMI	7.0	6.3	9.0	7.0	5.7	6.7	6.3	6.9
MONUMENT (PST-5SQB)	7.0	7.0	9.0	6.3	5.3	7.0	6.3	6.9
PPG-TF 249	7.0	5.3	9.0	6.7	5.7	7.3	7.0	6.9
TITAN GLX (TF445)	7.3	5.7	9.0	7.0	5.7	7.0	6.3	6.9
ESTRENA	7.0	5.3	9.0	6.3	6.0	7.7	6.7	6.9
RAPTOR III	7.0	7.0	9.0	6.3	5.0	6.7	7.0	6.9
TOPSHELF (BGR-TF3)	6.3	7.0	9.0	6.3	5.7	7.0	6.7	6.9
3B2	6.7	6.3	9.0	6.7	6.0	7.0	6.0	6.8
DEGAS (LTP-TF-111)	7.0	6.3	9.0	6.7	5.3	6.3	7.0	6.8
DLFPS-321/3707	7.7	6.0	9.0	7.0	6.0	7.0	5.0	6.8
PARAMOUNT	7.3	6.0	9.0	6.7	5.3	7.0	6.3	6.8
SR 8700 (TMT1)	7.0	5.7	9.0	7.0	6.0	7.0	6.0	6.8
ATF1768	6.3	6.7	9.0	6.3	5.7	6.7	7.0	6.8
BATTLE HAWK (NAI-ROS4)	7.3	5.0	9.0	6.7	6.0	7.0	6.7	6.8
OG-WALK	6.3	7.3	9.0	6.3	5.7	6.3	6.7	6.8
PST-5GQ	6.7	7.0	9.0	6.7	6.0	6.7	5.7	6.8
SPYDER 2LS (ZRC1)	7.3	4.7	9.0	6.7	6.0	7.3	6.3	6.8
TITAN MAX (TF456)	7.0	4.7	9.0	7.0	6.0	7.3	6.3	6.8
ATF2116	6.3	6.7	8.3	6.3	6.3	6.3	7.0	6.8
BARNOBLE (BAR 9FE MAS)	7.0	6.7	9.0	6.7	5.7	6.0	6.3	6.8
BENTLEY (DLFPS-321/3679)	7.0	6.0	9.0	6.7	6.0	7.0	5.7	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.3	6.0	9.0	6.7	5.7	7.3	5.3	6.8
PPG-TF 312	7.0	6.0	9.0	7.3	5.3	6.3	6.3	6.8
RAD-TF131	6.7	7.7	9.0	6.3	5.3	6.3	6.0	6.8
SOUTHSIDE(PPG-TF 267)	7.7	4.3	9.0	6.7	5.7	7.3	6.7	6.8
ESCALADE	6.3	6.3	9.0	6.7	5.7	6.7	6.7	6.8
FINELAWN SUPREME (RH3)	7.0	5.3	9.0	7.0	5.3	7.0	6.7	6.8
LAFAYETTE (GO-AOMK)	7.0	6.0	9.0	6.7	5.3	6.7	6.7	6.8
PST-5TRN	6.3	6.3	9.0	6.3	6.0	6.7	6.7	6.8
RHF	7.0	5.3	9.0	6.7	6.0	6.7	6.7	6.8
ROVER (PPG-TF 306)	7.0	5.0	9.0	6.3	5.3	8.0	6.7	6.8
SE5STAR	7.0	7.3	8.7	6.3	5.3	6.7	6.0	6.8
SYMPHONY (PPG-TF 305)	7.3	4.0	9.0	7.0	6.0	7.3	6.7	6.8
CAPITAN (DLFPS-321/3705)	6.7	5.7	9.0	6.7	5.7	7.0	6.3	6.7
DLFPS-321/3708	7.3	4.3	9.0	7.0	5.0	7.0	7.3	6.7
NAI-FQZ-17	6.7	6.7	8.7	6.3	5.7	7.0	6.0	6.7
TALLADEGA II (NAI-3N2)	6.7	5.3	9.0	7.0	6.0	7.0	6.0	6.7
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	9.0	6.3	5.7	7.3	5.7	6.7
GALLARDO (DLFPS-TF/3550)	7.3	5.0	9.0	7.0	6.0	6.7	6.0	6.7
GALACTIC (SESCR1)	6.7	4.0	9.0	6.7	6.3	7.0	7.0	6.7

TABLE 22.
(CONT'D)

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	CT1	IA1	MI1	NE1	OK1	ON1	TN1	
BONFIRE (JS DTT)	7.0	5.3	9.0	6.7	6.3	6.7	5.7	6.7
GRANDE 3	7.0	5.3	9.0	6.7	6.0	6.0	6.7	6.7
JT 233	7.0	5.7	9.0	6.7	4.7	7.0	6.7	6.7
NATURALLY GREEN	6.7	6.3	9.0	6.0	5.7	7.0	6.0	6.7
RAD-TF105	7.0	5.0	9.0	6.3	5.3	7.0	7.0	6.7
RDC	7.0	4.0	9.0	7.0	5.7	7.0	7.0	6.7
ROWDIER (DLFPS-321/3699)	7.0	5.3	9.0	6.3	6.0	7.0	6.0	6.7
JT 517	6.7	4.7	9.0	6.7	5.7	7.3	6.3	6.6
AST8218LM	6.0	6.7	8.7	6.3	5.7	6.3	6.7	6.6
BRAVO 2	6.7	6.3	9.0	6.3	5.3	6.3	6.3	6.6
CLASH (AH1)	7.3	4.7	9.0	6.7	5.3	7.3	6.0	6.6
LBF	7.0	5.7	9.0	6.3	6.0	6.3	6.0	6.6
ORIOLE (PST-5BYOB)	6.3	6.0	9.0	6.7	5.7	6.3	6.3	6.6
PPG-TF 316	7.3	4.7	9.0	6.3	5.7	7.3	6.0	6.6
PST-5DZM	6.7	5.0	9.0	6.7	6.0	7.7	5.3	6.6
BANDIT	6.3	4.7	9.0	6.3	6.0	7.0	7.0	6.6
SETFM3	6.3	5.7	8.7	6.7	5.0	7.7	6.3	6.6
BIRMINGHAM	6.0	6.7	8.7	6.7	5.0	7.0	6.0	6.6
TOUGH (NAI-TUE)	7.0	4.3	9.0	6.7	5.7	7.0	6.3	6.6
PALOMAR	6.0	5.7	8.3	7.0	5.3	6.3	7.0	6.5
PST-5THM	6.3	6.0	8.7	6.3	5.7	6.3	6.3	6.5
BULLSEYE	7.0	4.7	9.0	6.3	6.0	6.7	6.0	6.5
FAIRFIELD (SETF104)	7.3	5.0	9.0	7.0	5.0	6.3	6.0	6.5
HELLCAT GLR (PST-5E6)	6.3	5.7	9.0	6.3	5.0	6.3	7.0	6.5
KIZZLE (K18-ROE)	6.7	3.7	9.0	6.7	6.0	7.0	6.7	6.5
MOONDANCE GLX	6.7	4.7	8.7	6.7	6.3	6.7	6.0	6.5
PPG-TF 231	7.0	4.3	9.0	7.0	4.0	7.3	7.0	6.5
TANGO	6.3	4.7	8.7	7.0	5.7	6.7	6.7	6.5
LIFEGUARD	6.7	5.7	8.7	6.3	5.7	7.0	5.3	6.5
PRO GOLD	6.7	5.7	8.3	6.7	5.3	6.7	6.0	6.5
PST-5MINK	6.3	6.3	9.0	6.0	5.3	6.3	6.0	6.5
PST-5DC24	6.3	5.3	9.0	7.0	5.0	6.7	6.0	6.5
RAPTOR LS (PPG-TF 336)	7.3	3.7	9.0	6.3	5.7	6.7	6.7	6.5
BAR FA 8228	6.0	7.0	8.7	6.0	5.0	6.3	6.0	6.4
GRAND PRIX (FC15-01P)	6.7	5.3	8.7	6.0	5.7	6.3	6.3	6.4
COPIOUS TF	7.0	4.3	8.7	6.7	5.0	6.7	6.3	6.4
SETFM2	7.0	5.3	9.0	6.0	5.7	5.7	6.0	6.4
BAR-FA8230	6.3	4.0	8.7	7.0	6.0	6.0	5.3	6.2
KENTUCKY-31	5.0	4.7	6.7	6.3	4.3	6.0	6.7	5.7
LSD VALUE	0.7	3.0	0.4	0.7	1.1	1.0	1.5	0.5
C.V. (%)	6.0	30.3	2.6	6.7	11.9	8.9	14.6	13.1

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

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

TABLE 23.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
PST-5THM	97.0	99.0	99.0	76.0	92.8
PRO GOLD	97.7	99.0	94.7	79.0	92.6
BIRMINGHAM	97.3	99.0	97.7	74.3	92.1
KENTUCKY-31	95.0	99.0	99.0	75.0	92.0
GRAND PRIX (FC15-01P)	96.0	99.0	99.0	73.7	91.9
ORIOLE (PST-5BYOB)	98.0	99.0	97.7	72.7	91.8
BAR-FA8230	98.3	99.0	99.0	71.0	91.8
LBF	97.3	99.0	95.0	76.0	91.8
ATF1768	97.7	99.0	96.3	74.0	91.8
EXTRAVAGANZA (PST-5MCMO)	97.7	99.0	96.0	74.3	91.8
LAFAYETTE (GO-AOMK)	97.3	99.0	94.7	76.0	91.8
GRO-PRO (SE53D2)	98.0	99.0	97.7	72.0	91.7
RACEWAY (DLFPS-321/3696)	98.3	99.0	93.0	76.3	91.7
PST-5MINK	97.3	99.0	97.7	72.3	91.6
LIFEGUARD	96.0	99.0	96.3	74.7	91.5
FAYETTE	97.3	99.0	96.3	73.0	91.4
ROWDIER (DLFPS-321/3699)	98.7	99.0	91.7	76.0	91.3
GLX REVIVE (PST-5GLBS)	95.7	99.0	96.0	74.3	91.3
PST-5DZM	96.3	99.0	97.7	72.0	91.3
GLX ACED (PST-5DART)	96.3	99.0	91.7	77.7	91.2
ATF2116	97.3	99.0	96.3	72.0	91.2
BRAVO 2	98.3	99.0	96.3	71.0	91.2
NATURALLY GREEN	94.7	99.0	96.3	73.7	90.9
PALOMAR	95.7	99.0	99.0	69.7	90.8
NT-3	98.3	99.0	91.7	74.3	90.8
PST-5DC24	95.7	99.0	96.3	72.3	90.8
PST-5TRN	97.3	99.0	96.3	70.7	90.8
TITAN GLX (TF445)	97.3	99.0	99.0	68.0	90.8
AST8118LM	97.7	99.0	94.3	71.7	90.7
OG-WALK	95.0	99.0	99.0	69.7	90.7
SETFM2	94.7	99.0	99.0	69.7	90.6
ENDGAME (3N1)	97.7	99.0	91.3	74.0	90.5
BENTLEY (DLFPS-321/3679)	97.0	99.0	95.0	70.7	90.4
BULLSEYE	98.0	99.0	95.0	69.7	90.4
ESSENTIAL 2 (DLFPS-TF/3552)	96.7	99.0	88.3	77.7	90.4
MOONDANCE GLX	97.7	99.0	96.3	68.7	90.4
PEG-TF 249	98.0	99.0	93.0	71.7	90.4
SETFM3	98.0	99.0	92.7	72.0	90.4
ESCALADE	94.3	99.0	97.7	70.0	90.3
JT 517	91.7	99.0	96.0	74.3	90.3
BAR FA 8228	89.3	99.0	99.0	73.3	90.2
BARNOBLE (BAR 9FE MAS)	94.7	99.0	99.0	67.7	90.1
TOPSHELF (BGR-TF3)	97.7	99.0	93.0	70.7	90.1
TOUGH (NAI-TUE)	98.0	99.0	94.3	69.0	90.1
BANDIT	97.3	99.0	93.3	70.3	90.0
PEG-TF 318	96.7	99.0	95.0	69.0	89.9
AST8218LM	94.0	99.0	94.7	71.7	89.8

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
TITANIUM G-LS (PPG-TF 255)	98.7	99.0	90.0	71.7	89.8
MONUMENT (PST-5SQB)	96.0	99.0	95.0	68.3	89.6
TANGO	96.0	99.0	93.3	69.3	89.4
PST-5GQ	97.3	99.0	91.7	69.3	89.3
A-TF31	96.0	99.0	91.0	71.0	89.3
SR 8700 (TMT1)	95.7	99.0	88.3	74.0	89.3
HELLCAT GLR (PST-5E6)	94.7	99.0	93.0	70.0	89.2
NAI-ST5	96.3	99.0	91.7	69.7	89.2
SYMPHONY (PPG-TF 305)	98.7	99.0	88.0	71.0	89.2
TANK (PPG-TF 338)	97.7	99.0	83.0	77.0	89.2
RDC	97.0	99.0	88.3	72.3	89.2
HOUND DOG NINE (DLFPS-321/3702)	98.7	99.0	84.7	74.0	89.1
ROVER (PPG-TF 306)	96.7	99.0	86.7	73.0	88.8
DRAGSTER	97.3	99.0	85.0	73.7	88.8
TITAN MAX (TF456)	97.7	99.0	89.7	68.3	88.7
VALSETZ (PPG-TF 257)	97.3	99.0	80.0	78.3	88.7
DLFPS-321/3708	94.0	99.0	90.0	71.3	88.6
KIZZLE (K18-ROE)	95.7	99.0	86.3	73.3	88.6
BLADERUNNER 3 (DLFPS-321/3701)	99.0	99.0	84.7	71.3	88.5
SPYDER 2LS (ZRC1)	98.0	99.0	83.3	72.7	88.3
XANADU (JT 268)	99.0	99.0	83.3	71.7	88.3
NAI-FQZ-17	92.0	99.0	90.0	71.7	88.2
PPG-TF 337	98.0	99.0	85.0	70.7	88.2
BONFIRE (JS DTT)	97.7	99.0	83.3	72.3	88.1
RC4	98.3	99.0	80.0	74.7	88.0
DEGAS (LTP-TF-111)	97.3	99.0	83.3	72.3	88.0
EXPANSE (PPG-TF 262)	97.7	99.0	85.0	70.0	87.9
SERENADE (PPG-TF 320)	97.7	99.0	85.0	70.0	87.9
PPG-TF 231	96.0	99.0	83.3	73.0	87.8
DYNAMITE G-LS (PPG-TF 254)	97.0	99.0	81.7	73.0	87.7
TALLADEGA II (NAI-3N2)	97.0	99.0	78.3	76.0	87.6
ESTRENA	97.3	99.0	83.0	70.7	87.5
TD2	96.3	99.0	80.0	74.7	87.5
CLASH (AH1)	98.7	99.0	80.0	72.0	87.4
FALCON SUPREME (RH1)	94.7	99.0	78.3	77.7	87.4
COPIOUS TF	96.3	99.0	85.0	69.3	87.4
TRIAD (PPG-TF 323)	98.3	99.0	78.3	74.0	87.4
PARAMOUNT	96.3	99.0	78.3	75.7	87.3
PROVIDENCE (GO-RH20)	97.7	99.0	81.7	70.3	87.2
SE5STAR	98.0	97.7	88.0	65.0	87.2
FIREHAWK SLT	97.3	99.0	80.0	72.3	87.2
HEMI	98.3	99.0	81.7	69.3	87.1
TEACHER (PPG-TF 313)	97.0	99.0	78.0	74.0	87.0
ZION (BAR TF 134)	96.7	96.0	83.3	72.0	87.0
STEALTH (PPG-TF 238)	97.7	99.0	81.7	69.3	86.9
AVENGER III (PPG-TF 308)	96.0	99.0	83.3	69.3	86.9
FINELAWN SUPREME (RH3)	98.3	99.0	80.0	70.3	86.9

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
PPG-TF 316	98.0	99.0	78.3	72.3	86.9
DLFPS-321/3693	97.0	99.0	73.3	78.0	86.8
GRANDE 3	97.3	99.0	75.0	75.7	86.8
RAD-TF105	97.3	99.0	76.7	73.7	86.7
PADRE 2	97.0	99.0	79.7	70.7	86.6
JT 233	95.7	99.0	83.3	68.0	86.5
DLFPS-321/3706	98.3	94.3	75.0	78.0	86.4
DLFPS-321/3703	96.3	99.0	78.3	71.7	86.3
FIRENZA II (PPG-TF 244)	98.3	99.0	80.0	67.7	86.3
3B2	96.0	99.0	76.7	73.0	86.2
FIRECRACKER G-LS (PPG-TF 315)	97.3	99.0	75.0	73.0	86.1
K18-RS6	96.0	96.0	78.3	73.7	86.0
K18-WB1	94.3	99.0	75.0	75.3	85.9
RAPTOR III	97.0	99.0	76.3	70.7	85.8
BULLSEYE LTZ	98.7	99.0	73.3	71.7	85.7
GALACTIC (SESCR1)	96.3	99.0	71.7	75.7	85.7
CAPITAN (DLFPS-321/3705)	98.0	99.0	76.7	68.7	85.6
GALLARDO (DLFPS-TF/3550)	95.7	99.0	76.7	70.3	85.4
RAPTOR LS (PPG-TF 336)	95.7	99.0	71.7	75.0	85.3
FASTLANE (BY-TF-169)	96.0	99.0	70.0	76.3	85.3
OKEEFE (LTP-TF-122)	95.0	99.0	75.0	72.3	85.3
COL-TF-148	96.7	91.0	76.7	75.0	84.8
DAYBREAK (AH2)	97.7	99.0	73.3	68.7	84.7
RHL2	98.7	94.7	73.3	71.3	84.5
FAIRFIELD (SETF104)	95.3	99.0	73.3	70.3	84.5
DLFPS-321/3695	96.7	99.0	66.7	75.3	84.4
RHF	97.3	99.0	71.7	69.7	84.4
DLFPS-321/3694	94.7	99.0	70.0	72.7	84.1
DLFPS-321/3707	96.7	99.0	68.3	72.0	84.0
SOUTHSIDE (PPG-TF 267)	97.0	99.0	73.3	65.7	83.8
DLFPS-TF/3553	97.3	99.0	66.7	70.7	83.4
5LSS	98.0	99.0	56.7	78.3	83.0
RS1	95.7	99.0	61.7	75.0	82.8
BATTLE HAWK (NAI-ROS4)	98.0	99.0	60.0	73.3	82.6
RAD-TF131	98.7	92.7	61.7	68.0	80.3
PPG-TF 312	96.7	99.0	51.7	72.3	79.9
K18-NSE	98.0	91.0	45.0	75.0	77.3
RAD-TF115 (TURBO SS)	94.7	76.3	56.7	70.3	74.5
LSD VALUE	3.6	5.0	16.8	10.2	5.2
C.V. (%)	2.3	3.1	12.3	8.8	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 24.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
PPG-TF 337	91.7	94.7	97.7	85.0	92.3
AVENGER III (PPG-TF 308)	91.7	99.0	97.7	80.3	92.2
ESSENTIAL 2 (DLFPS-TF/3552)	87.3	99.0	97.7	84.0	92.0
FAYETTE	93.0	99.0	99.0	76.0	91.8
5LSS	88.0	99.0	97.7	82.0	91.7
SR 8700 (TMT1)	88.0	99.0	99.0	80.7	91.7
MOONDANCE GLX	94.0	96.0	99.0	77.0	91.5
KENTUCKY-31	89.7	93.0	99.0	84.0	91.4
GRANDE 3	88.3	99.0	99.0	79.3	91.4
PPG-TF 231	90.3	99.0	99.0	77.3	91.4
PARAMOUNT	89.7	88.0	99.0	88.7	91.3
PPG-TF 249	92.0	93.3	99.0	80.3	91.2
FIRENZA II (PPG-TF 244)	90.7	92.7	99.0	81.0	90.8
XANADU (JT 268)	86.3	96.3	99.0	81.3	90.8
GALLARDO (DLFPS-TF/3550)	88.3	99.0	97.7	77.7	90.7
BRAVO 2	89.0	91.7	99.0	82.7	90.6
RACEWAY (DLFPS-321/3696)	87.7	99.0	99.0	76.7	90.6
BENTLEY (DLFPS-321/3679)	83.3	99.0	99.0	81.0	90.6
TD2	82.7	99.0	97.7	82.7	90.5
DLFPS-321/3694	84.0	94.3	97.7	85.7	90.4
DLFPS-321/3695	92.0	99.0	99.0	71.7	90.4
NT-3	87.0	99.0	99.0	76.7	90.4
3B2	90.7	91.3	99.0	80.3	90.3
FALCON SUPREME (RH1)	88.0	88.3	99.0	85.7	90.3
PROVIDENCE (GO-RH20)	89.3	94.7	99.0	78.0	90.3
ROWDIER (DLFPS-321/3699)	86.3	99.0	97.7	77.3	90.1
EXPANSE (PPG-TF 262)	90.0	86.7	99.0	84.3	90.0
GLX ACED (PST-5DART)	88.3	93.0	99.0	79.3	89.9
NAI-ST5	93.7	88.0	99.0	78.7	89.8
FIREHAWK SLT	90.7	88.0	99.0	81.3	89.8
PST-5MINK	91.0	94.3	99.0	74.7	89.8
VALSETZ (PPG-TF 257)	89.3	89.7	99.0	81.0	89.8
SPYDER 2LS (ZRC1)	91.7	94.7	99.0	73.3	89.7
DYNAMITE G-LS (PPG-TF 254)	90.7	88.0	97.7	82.0	89.6
TOPSHELF (BGR-TF3)	80.7	99.0	99.0	79.7	89.6
ATF1768	82.3	99.0	99.0	78.0	89.6
ZION (BAR TF 134)	93.3	88.0	97.7	79.3	89.6
BLADERUNNER 3 (DLFPS-321/3701)	87.0	90.0	97.7	83.3	89.5
KIZZLE (K18-ROE)	91.7	90.0	99.0	77.3	89.5
DLFPS-TF/3553	82.0	99.0	97.7	79.0	89.4
OG-WALK	84.7	94.7	99.0	79.3	89.4
JT 233	85.3	96.0	99.0	77.3	89.4
ATF2116	76.7	99.0	99.0	82.7	89.3
DLFPS-321/3693	89.7	86.7	97.7	83.0	89.3
GRO-PRO (SE53D2)	89.0	91.7	99.0	77.3	89.3
PALOMAR	86.7	96.0	99.0	75.3	89.3
RC4	93.3	83.3	99.0	81.3	89.3

TABLE 24.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
PPG-TF 318	90.0	93.0	99.0	74.7	89.2
BATTLE HAWK (NAI-ROS4)	90.0	89.3	99.0	77.7	89.0
PST-5THM	83.0	89.7	99.0	84.0	88.9
OKEEFE (LTP-TF-122)	91.0	84.7	99.0	80.7	88.8
CLASH (AH1)	92.3	91.3	97.7	74.0	88.8
AST8118LM	87.0	86.3	99.0	82.7	88.8
LBF	77.3	99.0	99.0	79.3	88.7
PPG-TF 316	94.3	90.0	99.0	71.3	88.7
NATURALLY GREEN	85.7	89.7	99.0	80.0	88.6
ESCALADE	85.0	88.3	99.0	81.3	88.4
TITANIUM G-LS (PPG-TF 255)	88.0	86.3	99.0	80.0	88.3
RS1	83.0	99.0	96.0	75.0	88.3
LIFEGUARD	88.3	86.3	99.0	79.3	88.3
DAYBREAK (AH2)	89.7	92.7	97.7	72.7	88.2
BULLSEYE	94.7	86.3	99.0	72.0	88.0
RDC	91.0	78.3	99.0	83.7	88.0
AST8218LM	78.0	96.3	99.0	78.0	87.8
PST-5DZM	86.0	88.3	99.0	78.0	87.8
K18-RS6	91.3	83.3	99.0	77.3	87.8
MONUMENT (PST-5SQB)	85.3	88.3	99.0	78.0	87.7
A-TF31	85.0	89.7	99.0	76.3	87.5
PADRE 2	86.7	88.0	99.0	76.3	87.5
DLFPS-321/3707	88.3	86.7	99.0	75.7	87.4
DLFPS-321/3706	84.7	91.3	96.3	77.3	87.4
BONFIRE (JS DTT)	88.3	81.7	97.7	81.7	87.3
BULLSEYE LTZ	84.7	85.0	99.0	80.7	87.3
TITAN MAX (TF456)	89.7	81.7	99.0	78.7	87.3
BARNOBLE (BAR 9FE MAS)	83.7	86.3	99.0	79.7	87.2
JT 517	91.7	75.0	99.0	83.0	87.2
TANK (PPG-TF 338)	83.3	89.7	99.0	76.7	87.2
NAI-FQZ-17	79.7	93.3	99.0	76.3	87.1
FASTLANE (BY-TF-169)	89.0	84.7	99.0	75.3	87.0
FINELAWN SUPREME (RH3)	88.0	84.7	99.0	76.3	87.0
RAD-TF105	91.3	81.7	99.0	75.7	86.9
BAR-FA8230	86.3	80.0	99.0	82.3	86.9
FAIRFIELD (SETF104)	86.3	85.0	97.7	78.3	86.8
K18-WB1	93.3	81.7	93.0	79.3	86.8
TRIAD (PPG-TF 323)	85.7	85.0	97.7	78.7	86.8
COL-TF-148	88.7	80.0	99.0	79.3	86.8
FIRECRACKER G-LS (PPG-TF 315)	92.3	81.3	97.7	75.7	86.8
PRO GOLD	84.3	88.0	99.0	75.7	86.8
SETFM3	90.0	78.3	99.0	79.7	86.8
TANGO	79.3	81.7	99.0	87.0	86.8
GLX REVIVE (PST-5GLBS)	81.7	85.0	99.0	81.0	86.7
STEALTH (PPG-TF 238)	89.7	88.0	99.0	70.0	86.7
GALACTIC (SESCR1)	92.7	81.3	96.3	76.3	86.7
RAPTOR LS (PPG-TF 336)	89.0	78.3	99.0	80.3	86.7

TABLE 24.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
CAPITAN (DLFPS-321/3705)	89.7	91.7	99.0	66.0	86.6
DEGAS (LTP-TF-111)	88.7	80.0	99.0	78.7	86.6
PST-5GQ	85.7	80.0	99.0	81.0	86.4
RAPTOR III	88.3	80.0	99.0	78.0	86.3
ESTRENA	81.7	91.3	97.7	74.3	86.3
DRAGSTER	88.3	81.7	99.0	75.7	86.2
SYMPHONY (PPG-TF 305)	92.3	83.0	99.0	70.3	86.2
DLFPS-321/3708	86.3	81.7	99.0	76.3	85.8
BANDIT	84.0	86.3	99.0	73.7	85.8
HOUNDOG NINE (DLFPS-321/3702)	81.3	83.3	99.0	78.7	85.6
BIRMINGHAM	79.0	94.7	99.0	69.3	85.5
DLFPS-321/3703	80.0	84.7	99.0	78.3	85.5
K18-NSE	93.3	85.0	84.7	79.0	85.5
ROVER (PPG-TF 306)	83.7	88.0	99.0	71.3	85.5
RHL2	88.3	83.3	99.0	71.3	85.5
PPG-TF 312	95.0	83.0	90.0	73.7	85.4
TEACHER (PPG-TF 313)	92.3	75.0	97.7	76.7	85.4
TOUGH (NAI-TUE)	89.0	86.3	99.0	66.7	85.3
HELLCAT GLR (PST-5E6)	85.0	83.0	99.0	73.7	85.2
LAFAYETTE (GO-AOMK)	78.7	90.0	99.0	72.0	84.9
SOUTHSIDE (PPG-TF 267)	86.7	81.7	97.7	73.0	84.8
SERENADE (PPG-TF 320)	80.0	80.0	99.0	79.7	84.7
PST-5DC24	81.0	83.3	99.0	75.3	84.7
COPIOUS TF	83.0	74.7	99.0	81.7	84.6
ORIOLE (PST-5BYOB)	77.0	91.7	99.0	70.7	84.6
RHF	89.0	73.3	99.0	77.0	84.6
HEMI	80.3	85.0	99.0	73.0	84.3
SESSTAR	82.0	78.3	99.0	77.3	84.2
TALLADEGA II (NAI-3N2)	85.3	83.0	99.0	69.3	84.2
ENDGAME (3N1)	83.3	80.0	99.0	73.7	84.0
TITAN GLX (TF445)	84.7	75.0	99.0	77.3	84.0
GRAND PRIX (FC15-01P)	83.0	78.3	99.0	75.3	83.9
EXTRAVAGANZA (PST-5MCMO)	86.3	73.3	99.0	76.7	83.8
PST-5TRN	86.3	79.7	99.0	69.3	83.6
BAR FA 8228	80.3	76.7	99.0	77.0	83.3
SETFM2	78.7	76.7	99.0	77.3	82.9
RAD-TF115 (TURBO SS)	77.7	70.0	96.0	82.3	81.5
RAD-TF131	76.7	76.7	96.3	68.7	79.6
LSD VALUE	13.8	17.0	3.1	12.1	6.3
C.V. (%)	9.9	12.1	1.9	9.7	8.9

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

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

TABLE 25.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
BATTLE HAWK (NAI-ROS4)	92.3	99.0	99	88.3	94.7
PROVIDENCE (GO-RH20)	84.3	99.0	99	91.0	93.3
VALSETZ (PPG-TF 257)	83.7	99.0	99	90.0	92.9
SPYDER 2LS (ZRC1)	88.3	96.0	99	87.3	92.7
STEALTH (PPG-TF 238)	79.3	99.0	99	91.3	92.2
HELLCAT GLR (PST-5E6)	83.3	99.0	99	86.7	92.0
BULLSEYE	87.7	96.0	99	84.7	91.8
ZION (BAR TF 134)	79.0	97.7	99	91.7	91.8
AST8218LM	80.7	99.0	99	87.3	91.5
DAYBREAK (AH2)	79.0	99.0	99	89.0	91.5
ESTRENA	79.7	99.0	99	88.3	91.5
PALOMAR	77.7	99.0	99	90.3	91.5
RC4	81.7	97.7	99	87.3	91.4
DRAGSTER	80.3	99.0	99	87.3	91.4
NAI-ST5	78.3	99.0	99	89.3	91.4
PPG-TF 249	79.3	99.0	99	88.3	91.4
PPG-TF 312	87.7	91.0	99	87.7	91.3
SYMPHONY (PPG-TF 305)	77.7	99.0	99	89.7	91.3
BLADERUNNER 3 (DLFPS-321/3701)	80.0	99.0	99	87.3	91.3
3B2	77.7	99.0	99	89.3	91.3
GRAND PRIX (FC15-01P)	80.0	99.0	99	86.7	91.2
ESCALADE	75.3	99.0	99	90.7	91.0
TITAN GLX (TF445)	80.7	99.0	99	85.0	90.9
GALLARDO (DLFPS-TF/3550)	77.0	99.0	99	88.0	90.8
PPG-TF 337	83.3	96.0	99	84.7	90.8
MOONDANCE GLX	79.0	96.0	99	88.7	90.7
PST-5TRN	76.3	99.0	99	88.3	90.7
ROWDIER (DLFPS-321/3699)	77.3	99.0	99	87.3	90.7
FASTLANE (BY-TF-169)	76.7	99.0	99	87.7	90.6
TALLADEGA II (NAI-3N2)	76.7	99.0	99	87.7	90.6
ORIOLE (PST-5BYOB)	76.3	99.0	99	88.0	90.6
RAPTOR LS (PPG-TF 336)	80.0	96.0	99	87.0	90.5
TEACHER (PPG-TF 313)	79.0	94.3	99	89.7	90.5
NAI-FQZ-17	77.3	99.0	99	86.3	90.4
SETFM3	78.0	94.3	99	90.3	90.4
GLX ACED (PST-5DART)	75.7	99.0	99	87.7	90.3
TANK (PPG-TF 338)	72.7	99.0	99	90.7	90.3
SOUTHSIDE (PPG-TF 267)	81.7	97.7	99	82.7	90.3
FALCON SUPREME (RH1)	78.0	93.0	99	91.0	90.3
PST-5GQ	77.7	99.0	99	85.3	90.3
RDC	72.3	99.0	99	90.7	90.3
EXTRAVAGANZA (PST-5MCMO)	75.7	97.7	99	88.3	90.2
PADRE 2	76.0	99.0	99	86.7	90.2
K18-NSE	84.7	99.0	99	77.7	90.1
OG-WALK	75.7	96.0	99	89.7	90.1
PST-5THM	74.7	99.0	99	87.7	90.1
SR 8700 (TMT1)	77.7	99.0	99	84.7	90.1

TABLE 25.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IA1	OK1	ON1	TN1	MEAN
TITANIUM G-LS (PPG-TF 255)	78.3	96.0	99	87.0	90.1
ENDGAME (3N1)	73.3	99.0	99	88.7	90.0
FAYETTE	74.0	97.7	99	89.3	90.0
K18-RS6	76.0	94.3	99	90.7	90.0
OKEEFE (LTP-TF-122)	75.3	99.0	99	86.7	90.0
RAPTOR III	76.7	94.3	99	90.0	90.0
HEMI	76.3	96.0	99	87.7	89.8
KENTUCKY-31	91.3	79.7	99	89.0	89.8
KIZZLE (K18-ROE)	75.0	96.0	99	89.0	89.8
HOUNDOG NINE (DLFPS-321/3702)	80.3	94.3	99	85.3	89.8
PPG-TF 318	71.0	99.0	99	89.7	89.7
DLFPS-321/3708	69.3	99.0	99	91.3	89.7
GLX REVIVE (PST-5GLBS)	73.7	99.0	99	86.7	89.6
SERENADE (PPG-TF 320)	72.7	99.0	99	87.7	89.6
FIRENZA II (PPG-TF 244)	76.3	96.0	99	87.0	89.6
JT 517	79.3	96.0	99	84.0	89.6
RS1	72.3	99.0	99	87.7	89.5
EXPANSE (PPG-TF 262)	72.3	97.7	99	88.3	89.3
FIREHAWK SLT	77.0	96.0	99	85.3	89.3
BANDIT	73.7	99.0	99	85.3	89.3
GRANDE 3	75.7	96.0	99	86.3	89.3
SE5STAR	74.7	99.0	99	84.0	89.2
RAD-TF105	73.3	94.3	99	89.7	89.1
GALACTIC (SESCR1)	77.7	87.7	99	91.3	88.9
BIRMINGHAM	72.3	97.7	99	85.3	88.6
LAFAYETTE (GO-AOMK)	72.3	96.0	99	87.0	88.6
TITAN MAX (TF456)	77.0	88.0	99	90.3	88.6
AVENGER III (PPG-TF 308)	78.3	91.0	99	85.7	88.5
BULLSEYE LTZ	72.7	99.0	99	83.3	88.5
GRO-PRO (SE53D2)	69.3	96.0	99	89.7	88.5
ATF1768	71.0	96.0	99	87.7	88.4
COL-TF-148	72.3	99.0	99	83.3	88.4
DLFPS-321/3706	73.0	94.3	99	87.3	88.4
CAPITAN (DLFPS-321/3705)	79.7	87.7	99	87.0	88.3
DEGAS (LTP-TF-111)	71.0	96.0	99	87.3	88.3
NT-3	72.0	93.0	99	89.3	88.3
TOPSHELF (BGR-TF3)	69.3	99.0	99	86.0	88.3
BAR-FA8230	77.3	99.0	99	77.7	88.3
LIFEGUARD	77.0	89.3	99	87.7	88.3
TRIAD (PPG-TF 323)	74.7	91.3	99	88.0	88.3
RHF	72.7	93.0	99	87.7	88.1
PST-5DC24	70.3	99.0	99	84.0	88.1
MONUMENT (PST-5SQB)	70.7	94.7	99	87.7	88.0
RACEWAY (DLFPS-321/3696)	74.3	96.0	99	82.7	88.0
BONFIRE (JS DTT)	76.7	99.0	99	76.7	87.8
K18-WB1	82.7	88.0	99	81.7	87.8
AST8118LM	69.7	94.3	99	88.3	87.8

TABLE 25.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	IA1	OK1	ON1	TN1	MEAN
DLFPS-TF/3553	67.0	96.0	99	88.7	87.7
JT 233	73.7	89.7	99	88.3	87.7
DLFPS-321/3693	74.0	96.0	99	81.3	87.6
PST-5MINK	73.0	89.3	99	88.7	87.5
LBF	66.0	99.0	99	85.3	87.3
TOUGH (NAI-TUE)	79.3	83.0	99	88.0	87.3
FINELAWN SUPREME (RH3)	77.0	84.7	99	88.0	87.2
SETFM2	68.3	96.0	99	85.0	87.1
XANADU (JT 268)	63.3	97.7	99	88.3	87.1
RHL2	76.0	86.0	99	86.7	86.9
ATF2116	64.0	96.0	99	88.3	86.8
BRAVO 2	82.0	96.0	99	70.3	86.8
RAD-TF131	66.0	94.3	99	88.0	86.8
BAR FA 8228	68.7	96.0	99	83.3	86.8
FAIRFIELD (SETF104)	69.0	94.3	99	84.7	86.8
PPG-TF 316	75.3	88.0	99	84.7	86.8
BARNOBLE (BAR 9FE MAS)	73.0	86.0	99	88.7	86.7
TANGO	77.0	83.0	99	87.7	86.7
PRO GOLD	72.0	89.3	99	86.3	86.7
RAD-TF115 (TURBO SS)	67.0	89.7	99	90.7	86.6
NATURALLY GREEN	73.3	86.0	99	88.0	86.6
PPG-TF 231	71.7	84.7	99	90.3	86.4
DLFPS-321/3703	63.0	99.0	99	83.0	86.0
CLASH (AH1)	90.7	74.3	99	79.7	85.9
5LSS	79.7	76.7	99	87.7	85.8
TD2	69.3	99.0	99	75.7	85.8
PST-5DZM	72.7	99.0	99	70.7	85.3
BENTLEY (DLFPS-321/3679)	71.7	99.0	99	70.7	85.1
DYNAMITE G-LS (PPG-TF 254)	76.0	96.0	99	68.7	84.9
DLFPS-321/3695	78.3	89.7	99	70.7	84.4
ESSENTIAL 2 (DLFPS-TF/3552)	71.7	77.7	99	87.3	83.9
FIRECRACKER G-LS (PPG-TF 315)	67.7	96.0	99	72.7	83.8
ROVER (PPG-TF 306)	66.0	79.7	99	87.7	83.1
DLFPS-321/3694	77.0	86.3	99	68.7	82.8
COPIOUS TF	70.7	74.7	99	86.3	82.7
PARAMOUNT	76.0	74.3	99	80.0	82.3
DLFPS-321/3707	73.3	94.3	99	59.0	81.4
A-TF31	66.0	73.0	99	85.7	80.9
LSL VALUE	14.5	17.9	0	15.4	6.9
C.V. (%)	11.9	11.7	0	11.2	9.7

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

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

TABLE 26.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	MS1	OK1	MEAN
GRANDE 3	6.7	6.3	6.5
LBF	5.7	6.7	6.2
BARNOBLE (BAR 9FE MAS)	6.0	6.3	6.2
DLFPS-321/3694	6.0	6.3	6.2
3B2	6.0	6.0	6.0
A-TF31	6.0	6.0	6.0
AVENGER III (PPG-TF 308)	6.0	6.0	6.0
BANDIT	6.0	6.0	6.0
BAR-FA8230	6.0	6.0	6.0
BATTLE HAWK (NAI-ROS4)	6.0	6.0	6.0
BENTLEY (DLFPS-321/3679)	6.0	6.0	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.0	6.0
BONFIRE (JS DTT)	6.0	6.0	6.0
BULLSEYE	6.0	6.0	6.0
BULLSEYE LTZ	6.0	6.0	6.0
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
DAYBREAK (AH2)	6.0	6.0	6.0
DEGAS (LTP-TF-111)	6.0	6.0	6.0
DLFPS-321/3693	6.0	6.0	6.0
DLFPS-321/3695	6.0	6.0	6.0
DLFPS-321/3703	6.0	6.0	6.0
DLFPS-321/3706	6.0	6.0	6.0
DLFPS-321/3707	6.0	6.0	6.0
DLFPS-TF/3553	6.0	6.0	6.0
DRAGSTER	6.0	6.0	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	6.0	6.0
EXPANSE (PPG-TF 262)	6.0	6.0	6.0
EXTRAVAGANZA (PST-5MCMO)	6.0	6.0	6.0
FALCON SUPREME (RH1)	6.0	6.0	6.0
FASTLANE (BY-TF-169)	6.0	6.0	6.0
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.0	6.0
FIRENZA II (PPG-TF 244)	6.0	6.0	6.0
GALACTIC (SESCR1)	6.0	6.0	6.0
GALLARDO (DLFPS-TF/3550)	6.0	6.0	6.0
GLX ACED (PST-5DART)	6.0	6.0	6.0
GLX REVIVE (PST-5GLBS)	6.0	6.0	6.0
GRAND PRIX (FC15-01P)	6.0	6.0	6.0
HOUNDOG NINE (DLFPS-321/3702)	6.0	6.0	6.0
JT 517	6.0	6.0	6.0
K18-WB1	6.0	6.0	6.0
KIZZLE (K18-ROE)	6.0	6.0	6.0
LIFEGUARD	6.0	6.0	6.0
MONUMENT (PST-5SQB)	6.0	6.0	6.0
NAI-ST5	6.0	6.0	6.0

TABLE 26.
(CONT'D)

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	MS1	OK1	MEAN
OKEEFE (LTP-TF-122)	6.0	6.0	6.0
ORIOLE (PST-5BYOB)	6.0	6.0	6.0
PADRE 2	6.0	6.0	6.0
PARAMOUNT	6.0	6.0	6.0
PPG-TF 231	6.0	6.0	6.0
PPG-TF 249	6.0	6.0	6.0
PPG-TF 318	6.0	6.0	6.0
PPG-TF 337	6.0	6.0	6.0
PST-5THM	6.0	6.0	6.0
PST-5TRN	6.0	6.0	6.0
RACEWAY (DLFPS-321/3696)	6.0	6.0	6.0
RC4	6.0	6.0	6.0
RHL2	6.0	6.0	6.0
ROVER (PPG-TF 306)	6.0	6.0	6.0
ROWDIER (DLFPS-321/3699)	6.0	6.0	6.0
RS1	6.0	6.0	6.0
SETFM3	6.0	6.0	6.0
SOUTHSIDE (PPG-TF 267)	6.0	6.0	6.0
SPYDER 2LS (ZRC1)	6.0	6.0	6.0
SR 8700 (TMT1)	6.0	6.0	6.0
TITAN GLX (TF445)	6.0	6.0	6.0
TITAN MAX (TF456)	6.0	6.0	6.0
VALSETZ (PPG-TF 257)	6.0	6.0	6.0
XANADU (JT 268)	6.0	6.0	6.0
ZION (BAR TF 134)	6.0	6.0	6.0
ATF1768	5.7	6.0	5.8
ATF2116	5.7	6.0	5.8
BIRMINGHAM	5.7	6.0	5.8
COPIOUS TF	5.7	6.0	5.8
DYNAMITE G-LS (PPG-TF 254)	5.7	6.0	5.8
ENDGAME (3N1)	5.7	6.0	5.8
ESCALADE	6.0	5.7	5.8
ESTRENA	6.0	5.7	5.8
FAIRFIELD (SETF104)	6.0	5.7	5.8
FAYETTE	6.0	5.7	5.8
FIREHAWK SLT	6.0	5.7	5.8
HELLCAT GLR (PST-5E6)	6.0	5.7	5.8
JT 233	5.7	6.0	5.8
MOONDANCE GLX	6.0	5.7	5.8
NATURALLY GREEN	6.0	5.7	5.8
PALOMAR	6.0	5.7	5.8
PPG-TF 312	6.0	5.7	5.8
PPG-TF 316	5.7	6.0	5.8
PRO GOLD	6.0	5.7	5.8
PROVIDENCE (GO-RH20)	5.7	6.0	5.8
PST-5GQ	6.0	5.7	5.8
PST-5MINK	6.0	5.7	5.8

TABLE 26.
(CONT'D)

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	MS1	OK1	MEAN
RAPTOR LS (PPG-TF 336)	6.0	5.7	5.8
RHF	6.0	5.7	5.8
SERENADE (PPG-TF 320)	6.0	5.7	5.8
STEALTH (PPG-TF 238)	6.0	5.7	5.8
TALLADEGA II (NAI-3N2)	6.0	5.7	5.8
TANK (PPG-TF 338)	6.0	5.7	5.8
TD2	6.0	5.7	5.8
TEACHER (PPG-TF 313)	6.0	5.7	5.8
TITANIUM G-LS (PPG-TF 255)	5.7	6.0	5.8
TRIAD (PPG-TF 323)	6.0	5.7	5.8
5LSS	5.7	5.7	5.7
AST8118LM	5.7	5.7	5.7
AST8218LM	5.7	5.7	5.7
BAR FA 8228	5.7	5.7	5.7
K18-RS6	5.7	5.7	5.7
OG-WALK	5.7	5.7	5.7
SETFM2	5.7	5.7	5.7
SYMPHONY (PPG-TF 305)	5.7	5.7	5.7
TANGO	5.7	5.7	5.7
TOPSHELF (BGR-TF3)	5.7	5.7	5.7
FINELAWN SUPREME (RH3)	5.3	6.0	5.7
GRO-PRO (SE53D2)	6.0	5.3	5.7
NAI-FQZ-17	5.3	6.0	5.7
NT-3	5.3	6.0	5.7
RAPTOR III	6.0	5.3	5.7
TOUGH (NAI-TUE)	5.3	6.0	5.7
BRAVO 2	5.0	6.0	5.5
DLFPS-321/3708	5.0	6.0	5.5
HEMI	5.7	5.3	5.5
PST-5DC24	5.7	5.3	5.5
PST-5DZM	5.3	5.7	5.5
RAD-TF105	5.3	5.7	5.5
RDC	5.3	5.7	5.5
SE5STAR	5.7	5.3	5.5
LAFAYETTE (GO-AOMK)	5.3	5.3	5.3
RAD-TF115 (TURBO SS)	5.3	5.3	5.3
K18-NSE	4.3	6.0	5.2
RAD-TF131	5.0	5.3	5.2
KENTUCKY-31	5.7	4.0	4.8
LSD VALUE	0.6	0.6	0.4
C.V. (%)	6.6	5.9	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 27.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	DE1	NC1	NJ1	MEAN
DLFPS-321/3693	6.7	6.3	9.0	7.3
K18-RS6	6.0	7.0	9.0	7.3
DLFPS-TF/3553	6.0	6.7	9.0	7.2
TANK (PPG-TF 338)	5.7	7.3	8.7	7.2
DEGAS (LTP-TF-111)	6.3	6.3	8.7	7.1
3B2	6.3	5.7	9.0	7.0
BONFIRE (JS DTT)	5.3	7.0	8.7	7.0
PPG-TF 312	6.3	6.0	8.7	7.0
AVENGER III (PPG-TF 308)	6.0	5.7	9.0	6.9
DAYBREAK (AH2)	6.0	5.7	9.0	6.9
ATF1768	6.3	6.0	8.3	6.9
DLFPS-321/3694	6.7	5.3	8.7	6.9
DYNAMITE G-LS (PPG-TF 254)	6.0	6.3	8.3	6.9
GALLARDO (DLFPS-TF/3550)	6.3	6.0	8.3	6.9
RHF	6.0	6.0	8.7	6.9
RS1	5.3	6.3	9.0	6.9
SERENADE (PPG-TF 320)	5.7	6.3	8.7	6.9
PARAMOUNT	5.7	5.7	9.0	6.8
DLFPS-321/3708	5.3	7.7	7.3	6.8
FINELAWN SUPREME (RH3)	6.0	6.3	8.0	6.8
KIZZLE (K18-ROE)	5.3	6.0	9.0	6.8
RACEWAY (DLFPS-321/3696)	6.3	5.0	9.0	6.8
RAPTOR III	6.0	5.3	9.0	6.8
SR 8700 (TMT1)	5.3	6.3	8.7	6.8
STEALTH (PPG-TF 238)	5.3	6.0	9.0	6.8
DLFPS-321/3695	6.0	5.0	9.0	6.7
EXPANSE (PPG-TF 262)	6.0	5.0	9.0	6.7
JT 233	6.0	5.7	8.3	6.7
NT-3	5.7	5.7	8.7	6.7
PROVIDENCE (GO-RH20)	6.0	6.0	8.0	6.7
RDC	6.0	5.0	9.0	6.7
SOUTHSIDE(PPG-TF 267)	6.0	5.0	9.0	6.7
5LSS	5.3	5.3	9.0	6.6
BATTLE HAWK (NAI-ROS4)	5.3	6.0	8.3	6.6
HOUNDOG NINE (DLFPS-321/3702)	5.7	5.3	8.7	6.6
RHL2	6.3	4.7	8.7	6.6
XANADU (JT 268)	6.0	5.0	8.7	6.6
CLASH (AH1)	5.7	5.7	8.0	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	5.7	7.7	6.4
FIRENZA II (PPG-TF 244)	6.0	6.7	6.7	6.4
HEMI	5.0	6.0	8.3	6.4
K18-NSE	6.7	4.0	8.7	6.4
MOONDANCE GLX	6.0	5.0	8.3	6.4
ROWDIER (DLFPS-321/3699)	5.7	5.3	8.3	6.4
SETFM3	5.0	5.7	8.7	6.4
SPYDER 2LS (ZRC1)	5.7	4.7	9.0	6.4

TABLE 27.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	DE1	NC1	NJ1	MEAN
TITAN GLX (TF445)	6.0	4.7	8.7	6.4
TOUGH (NAI-TUE)	6.0	5.0	8.3	6.4
DLFPS-321/3707	5.3	6.7	7.3	6.4
GLX ACED (PST-5DART)	5.3	6.3	7.7	6.4
PADRE 2	5.3	5.3	8.7	6.4
PPG-TF 318	5.0	5.3	9.0	6.4
TD2	7.0	5.0	7.3	6.4
COL-TF-148	6.0	5.0	8.0	6.3
ENDGAME (3N1)	6.0	4.7	8.3	6.3
FASTLANE (BY-TF-169)	5.7	5.0	8.3	6.3
GRANDE 3	5.3	5.0	8.7	6.3
NAI-ST5	4.7	6.3	8.0	6.3
TEACHER (PPG-TF 313)	6.0	4.3	8.7	6.3
TITAN MAX (TF456)	5.0	5.7	8.3	6.3
TITANIUM G-LS (PPG-TF 255)	5.3	5.0	8.7	6.3
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.0	6.7	6.2
FALCON SUPREME (RH1)	5.3	5.7	7.7	6.2
GALACTIC (SESCR1)	5.7	5.7	7.3	6.2
PPG-TF 316	6.0	4.7	8.0	6.2
PST-5DC24	6.0	4.7	8.0	6.2
FAYETTE	4.0	6.0	8.7	6.2
FIREHAWK SLT	5.3	4.3	9.0	6.2
K18-WB1	5.3	5.3	8.0	6.2
ESTRENA	5.0	4.7	8.7	6.1
TRIAD (PPG-TF 323)	6.7	5.0	6.7	6.1
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.0	6.3	6.1
GRO-PRO (SE53D2)	5.3	4.0	9.0	6.1
PPG-TF 337	6.3	5.7	6.3	6.1
RC4	5.0	5.3	8.0	6.1
DRAGSTER	5.0	6.0	7.0	6.0
LBF	5.0	4.3	8.7	6.0
OKEEFE (LTP-TF-122)	6.3	4.7	7.0	6.0
PPG-TF 231	5.7	3.3	9.0	6.0
SYMPHONY (PPG-TF 305)	5.7	5.7	6.7	6.0
TALLADEGA II (NAI-3N2)	5.7	3.7	8.7	6.0
VALSETZ (PPG-TF 257)	6.0	5.0	7.0	6.0
GLX REVIVE (PST-5GLBS)	5.0	5.0	7.7	5.9
LIFEGUARD	5.7	4.0	8.0	5.9
BENTLEY (DLFPS-321/3679)	4.7	4.3	8.7	5.9
MONUMENT (PST-5SQB)	5.0	4.0	8.7	5.9
PPG-TF 249	6.3	6.0	5.3	5.9
RAD-TF131	4.3	4.7	8.7	5.9
CAPITAN (DLFPS-321/3705)	5.7	8.0	3.7	5.8
DLFPS-321/3706	4.7	4.3	8.3	5.8
HELLCAT GLR (PST-5E6)	5.0	3.3	9.0	5.8
SETFM2	6.0	4.7	6.7	5.8
ZION (BAR TF 134)	6.0	4.7	6.7	5.8

TABLE 27.
(CONT'D)

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	DE1	NC1	NJ1	MEAN
BARNOBLE (BAR 9FE MAS)	5.3	3.0	9.0	5.8
JT 517	5.0	4.3	8.0	5.8
PRO GOLD	5.0	3.7	8.7	5.8
ROVER (PPG-TF 306)	5.3	5.0	7.0	5.8
ATF2116	4.3	4.3	8.3	5.7
BULLSEYE	5.0	4.0	8.0	5.7
BULLSEYE LTZ	5.0	4.0	8.0	5.7
EXTRAVAGANZA (PST-5MCMO)	5.3	4.7	7.0	5.7
KENTUCKY-31	4.3	3.7	9.0	5.7
ORIOLE (PST-5BYOB)	5.7	4.3	7.0	5.7
PST-5DZM	5.0	4.3	7.7	5.7
PST-5MINK	4.3	4.0	8.7	5.7
PST-5TRN	4.7	4.7	7.3	5.6
LAFAYETTE (GO-AOMK)	5.0	3.7	8.0	5.6
TANGO	5.0	4.7	6.7	5.4
A-TF31	3.7	4.0	8.7	5.4
RAPTOR LS (PPG-TF 336)	6.3	5.3	4.7	5.4
COPIOUS TF	4.0	3.7	8.3	5.3
FAIRFIELD (SETF104)	6.3	4.7	5.0	5.3
PST-5GQ	5.3	3.3	7.3	5.3
AST8218LM	4.7	4.0	7.0	5.2
DLFPS-321/3703	5.3	3.7	6.7	5.2
NATURALLY GREEN	4.0	4.0	7.7	5.2
TOPSHELFB (BGR-TF3)	4.3	3.3	8.0	5.2
BRAVO 2	4.0	4.3	7.0	5.1
RAD-TF115 (TURBO SS)	5.7	3.3	6.3	5.1
ESCALADE	4.3	3.3	7.3	5.0
NAI-FQZ-17	3.3	4.7	7.0	5.0
PST-5THM	5.0	4.0	6.0	5.0
PALOMAR	4.7	4.0	5.7	4.8
BANDIT	4.7	3.7	6.0	4.8
BAR FA 8228	3.7	3.3	7.3	4.8
BAR-FA8230	4.0	3.3	7.0	4.8
AST8118LM	4.3	3.3	6.3	4.7
BIRMINGHAM	4.3	2.7	7.0	4.7
OG-WALK	4.0	3.0	6.7	4.6
RAD-TF105	4.3	4.7	4.0	4.3
SE5STAR	4.3	3.0	5.3	4.2
GRAND PRIX (FC15-01P)	3.3	2.7	6.3	4.1
LSD VALUE	1.5	2.3	2.7	1.3
C.V. (%)	17.5	29.3	21.3	22.9

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 28.

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	ON1	NAME	ON1	NAME	ON1
PROVIDENCE (GO-RH20)	6.3	DLFPS-321/3708	3.7	A-TF31	2.7
GALACTIC (SESCR1)	6.0	FALCON SUPREME (RH1)	3.7	ESSENTIAL 2 (DLFPS-TF/3552)	2.7
DLFPS-TF/3553	5.7	FINELAWN SUPREME (RH3)	3.7	JT 517	2.7
K18-RS6	5.3	HOUNDOG NINE (DLFPS-321/3702)	3.7	NT-3	2.7
SERENADE (PPG-TF 320)	5.3	KIZZLE (K18-ROE)	3.7	PST-5DZM	2.7
STEALTH (PPG-TF 238)	5.3	PPG-TF 249	3.7	PST-5THM	2.7
TITAN MAX (TF456)	5.3	PST-5DC24	3.7	RS1	2.7
ATF1768	5.0	PST-5MINK	3.7	SETFM2	2.7
BLADERUNNER 3 (DLFPS-321/3701)	5.0	SOUTHSIDE (PPG-TF 267)	3.7	BAR FA 8228	2.3
DAYBREAK (AH2)	5.0	SR 8700 (TMT1)	3.7	BAR-FA8230	2.3
KENTUCKY-31	5.0	TANK (PPG-TF 338)	3.7	COPIOUS TF	2.3
PPG-TF 318	5.0	TITANIUM G-LS (PPG-TF 255)	3.7	FAYETTE	2.3
SYMPHONY (PPG-TF 305)	5.0	TOUGH (NAI-TUE)	3.7	ORIOLE (PST-5BYOB)	2.3
COL-TF-148	4.7	TRIAD (PPG-TF 323)	3.7	PPG-TF 231	2.3
K18-WB1	4.7	AVENGER III (PPG-TF 308)	3.3	PPG-TF 337	2.3
RHL2	4.7	BIRMINGHAM	3.3	RAD-TF105	2.3
3B2	4.3	CAPTAN (DLFPS-321/3705)	3.3	RC4	2.3
BATTLE HAWK (NAI-ROS4)	4.3	DLFPS-321/3695	3.3	SE5STAR	2.3
BENTLEY (DLFPS-321/3679)	4.3	DLFPS-321/3703	3.3	AST8218LM	2.0
BULLSEYE	4.3	DYNAMITE G-LS (PPG-TF 254)	3.3	BRAVO 2	2.0
DRAGSTER	4.3	ESTRENA	3.3	GRAND PRIX (FC15-01P)	2.0
ENDGAME (3N1)	4.3	EXTRAVAGANZA (PST-5MCMO)	3.3	GRO-PRO (SE53D2)	2.0
EXPANSE (PPG-TF 262)	4.3	FASTLANE (BY-TF-169)	3.3	HELLCAT GLR (PST-5E6)	2.0
FIRECRACKER G-LS (PPG-TF 315)	4.3	GRANDE 3	3.3	MONUMENT (PST-5SQB)	2.0
GLX REVIVE (PST-5GLBS)	4.3	HEMI	3.3	MOONDANCE GLX	2.0
JT 233	4.3	K18-NSE	3.3	PALOMAR	2.0
LAFAYETTE (GO-AOMK)	4.3	PADRE 2	3.3	RACEWAY (DLFPS-321/3696)	2.0
PPG-TF 316	4.3	PST-5TRN	3.3	RAD-TF131	2.0
RDC	4.3	RAPTOR LS (PPG-TF 336)	3.3	RAPTOR III	2.0
SPYDER 2LS (ZRC1)	4.3	RHF	3.3	ROWDIER (DLFPS-321/3699)	2.0
TEACHER (PPG-TF 313)	4.3	ROVER (PPG-TF 306)	3.3	BONFIRE (JS DTT)	1.7
XANADU (JT 268)	4.3	TD2	3.3	ESCALADE	1.7
5LSS	4.0	AST8118LM	3.0	LBF	1.7
CLASH (AH1)	4.0	ATF2116	3.0	NAI-FQZ-17	1.7
DLFPS-321/3706	4.0	BULLSEYE LTZ	3.0	NATURALLY GREEN	1.7
FIREHAWK SLT	4.0	DLFPS-321/3693	3.0	PRO GOLD	1.7
GALLARDO (DLFPS-TF/3550)	4.0	DLFPS-321/3694	3.0	PST-5GQ	1.7
LIFEGUARD	4.0	DLFPS-321/3707	3.0	RAD-TF115 (TURBO SS)	1.7
NAI-ST5	4.0	FAIRFIELD (SETF104)	3.0	TANGO	1.7
OKEEFE (LTP-TF-122)	4.0	FIRENZA II (PPG-TF 244)	3.0	TOPSHELF (BGR-TF3)	1.7
PPG-TF 312	4.0	GLX ACED (PST-5DART)	3.0		
TALLADEGA II (NAI-3N2)	4.0	OG-WALK	3.0	LSD VALUE	2.5
ZION (BAR TF 134)	4.0	PARAMOUNT	3.0	C.V. (%)	45.5
BANDIT	3.7	SETFM3	3.0		
BARNOBLE (BAR 9FE MAS)	3.7	TITAN GLX (TF445)	3.0		
DEGAS (LTP-TF-111)	3.7	VALSETZ (PPG-TF 257)	3.0		

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

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

TABLE 29.

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	ON1	UT1	MEAN
BONFIRE (JS DTT)	7.0	7.7	5.0	6.6
RHL2	7.0	7.7	5.0	6.6
CAPITAN (DLFPS-321/3705)	7.0	7.3	5.3	6.6
CLASH (AH1)	7.0	7.7	4.7	6.4
EXPANSE (PPG-TF 262)	7.0	7.7	4.7	6.4
MOONDANCE GLX	7.0	7.7	4.7	6.4
AVENGER III (PPG-TF 308)	7.0	7.3	5.0	6.4
DLFPS-321/3693	7.0	7.0	5.3	6.4
DRAGSTER	7.0	7.0	5.3	6.4
FALCON SUPREME (RH1)	7.0	7.3	5.0	6.4
FASTLANE (BY-TF-169)	7.0	7.0	5.3	6.4
FAYETTE	7.0	7.3	5.0	6.4
K18-NSE	7.0	7.0	5.3	6.4
NAI-ST5	7.0	7.3	5.0	6.4
PPG-TF 231	7.0	7.3	5.0	6.4
PPG-TF 337	7.0	7.3	5.0	6.4
RAPTOR III	7.0	7.3	5.0	6.4
SERENADE (PPG-TF 320)	7.0	7.3	5.0	6.4
SOUTHSIDE (PPG-TF 267)	7.0	7.3	5.0	6.4
TITAN GLX (TF445)	7.0	7.3	5.0	6.4
3B2	7.0	7.3	4.7	6.3
BLADERUNNER 3 (DLFPS-321/3701)	7.0	7.0	5.0	6.3
BULLSEYE	7.0	7.0	5.0	6.3
BULLSEYE LTZ	7.0	7.3	4.7	6.3
DAYBREAK (AH2)	7.0	7.0	5.0	6.3
DEGAS (LTP-TF-111)	7.0	7.0	5.0	6.3
DLFPS-321/3695	6.7	7.3	5.0	6.3
DLFPS-321/3703	7.0	7.0	5.0	6.3
DLFPS-321/3708	7.0	6.7	5.3	6.3
DYNAMITE G-LS (PPG-TF 254)	7.0	7.0	5.0	6.3
ENDGAME (3N1)	7.0	7.3	4.7	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	7.0	5.0	6.3
FINELAWN SUPREME (RH3)	7.0	7.0	5.0	6.3
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	5.0	6.3
FIREHAWK SLT	7.0	7.0	5.0	6.3
GRANDE 3	7.0	7.0	5.0	6.3
K18-WB1	7.0	7.0	5.0	6.3
KIZZLE (K18-ROE)	7.0	7.0	5.0	6.3
LBF	7.0	7.3	4.7	6.3
LIFEGUARD	7.0	7.0	5.0	6.3
OKEEFE (LTP-TF-122)	7.0	7.0	5.0	6.3
PPG-TF 249	7.0	7.0	5.0	6.3
PPG-TF 316	7.0	7.0	5.0	6.3
PROVIDENCE (GO-RH20)	7.0	7.0	5.0	6.3
PST-5GQ	7.0	7.3	4.7	6.3
RAD-TF105	7.0	7.3	4.7	6.3

TABLE 29.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	ON1	UT1	MEAN
RAD-TF131	7.0	7.3	4.7	6.3
RAPTOR LS (PPG-TF 336)	7.0	7.0	5.0	6.3
ROVER (PPG-TF 306)	7.0	7.0	5.0	6.3
RS1	6.7	7.3	5.0	6.3
SPYDER 2LS (ZRC1)	7.0	7.0	5.0	6.3
SYMPHONY (PPG-TF 305)	7.0	7.0	5.0	6.3
TANK (PPG-TF 338)	7.0	7.0	5.0	6.3
TITAN MAX (TF456)	7.0	7.0	5.0	6.3
TOUGH (NAI-TUE)	7.0	7.0	5.0	6.3
TRIAD (PPG-TF 323)	7.0	7.0	5.0	6.3
XANADU (JT 268)	7.0	7.0	5.0	6.3
ZION (BAR TF 134)	7.0	7.0	5.0	6.3
AST8218LM	7.0	7.0	4.7	6.2
ATF2116	7.0	7.0	4.7	6.2
BANDIT	7.0	7.0	4.7	6.2
BATTLE HAWK (NAI-ROS4)	7.0	6.7	5.0	6.2
BENTLEY (DLFPS-321/3679)	7.0	7.0	4.7	6.2
BRAVO 2	7.0	7.0	4.7	6.2
COL-TF-148	7.0	7.0	4.7	6.2
COPIOUS TF	7.0	7.0	4.7	6.2
DLFPS-321/3706	7.0	7.0	4.7	6.2
DLFPS-321/3707	7.0	6.7	5.0	6.2
FAIRFIELD (SETF104)	7.0	7.0	4.7	6.2
GALACTIC (SESCR1)	7.0	6.7	5.0	6.2
GALLARDO (DLFPS-TF/3550)	7.0	7.0	4.7	6.2
GLX ACED (PST-5DART)	7.0	7.0	4.7	6.2
HEMI	7.0	6.7	5.0	6.2
JT 517	7.0	7.0	4.7	6.2
K18-RS6	6.7	7.0	5.0	6.2
NT-3	6.7	7.0	5.0	6.2
OG-WALK	7.0	7.7	4.0	6.2
PADRE 2	7.0	6.7	5.0	6.2
PARAMOUNT	6.7	7.0	5.0	6.2
PST-5DC24	7.0	7.0	4.7	6.2
PST-5DZM	7.0	6.7	5.0	6.2
PST-5THM	7.0	7.0	4.7	6.2
RACEWAY (DLFPS-321/3696)	7.0	7.0	4.7	6.2
RC4	7.0	6.7	5.0	6.2
RDC	7.0	7.0	4.7	6.2
ROWDIER (DLFPS-321/3699)	7.0	6.7	5.0	6.2
SETFM2	7.0	7.0	4.7	6.2
SETFM3	7.0	7.0	4.7	6.2
SR 8700 (TMT1)	7.0	7.0	4.7	6.2
STEALTH (PPG-TF 238)	7.0	7.0	4.7	6.2
TALLADEGA II (NAI-3N2)	7.0	6.7	5.0	6.2
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	4.7	6.2
VALSETZ (PPG-TF 257)	7.0	7.0	4.7	6.2

TABLE 29.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	ON1	UT1	MEAN
5LSS	7.0	6.3	5.3	6.2
JT 233	7.0	7.3	4.3	6.2
NAI-FQZ-17	7.0	7.3	4.3	6.2
DLFPS-TF/3553	6.7	6.7	5.0	6.1
EXTRAVAGANZA (PST-5MCMO)	7.0	6.7	4.7	6.1
FIRENZA II (PPG-TF 244)	7.0	6.7	4.7	6.1
GLX REVIVE (PST-5GLBS)	7.0	6.7	4.7	6.1
PPG-TF 318	7.0	6.7	4.7	6.1
PRO GOLD	7.0	6.7	4.7	6.1
AST8118LM	7.0	7.0	4.3	6.1
BAR-FA8230	7.0	7.0	4.3	6.1
BIRMINGHAM	7.0	7.0	4.3	6.1
HOUNDOG NINE (DLFPS-321/3702)	6.3	7.0	5.0	6.1
NATURALLY GREEN	7.0	7.0	4.3	6.1
PPG-TF 312	7.0	6.3	5.0	6.1
PST-5MINK	7.0	7.0	4.3	6.1
PST-5TRN	7.0	7.0	4.3	6.1
RHF	6.3	7.0	5.0	6.1
TANGO	7.0	7.0	4.3	6.1
TD2	7.0	6.3	5.0	6.1
TEACHER (PPG-TF 313)	7.0	6.3	5.0	6.1
BARNOBLE (BAR 9FE MAS)	7.0	6.7	4.3	6.0
DLFPS-321/3694	6.7	6.7	4.7	6.0
ESCALADE	7.0	7.0	4.0	6.0
ESTRENA	6.3	7.0	4.7	6.0
GRO-PRO (SE53D2)	7.0	7.3	3.7	6.0
HELLCAT GLR (PST-5E6)	7.0	7.0	4.0	6.0
MONUMENT (PST-5SQB)	6.7	7.0	4.3	6.0
ORIOLE (PST-5BYOB)	7.0	7.0	4.0	6.0
PALOMAR	7.0	7.7	3.3	6.0
SE5STAR	7.0	7.0	4.0	6.0
A-TF31	7.0	6.7	4.0	5.9
GRAND PRIX (FC15-01P)	7.0	6.7	4.0	5.9
RAD-TF115 (TURBO SS)	7.0	6.0	4.7	5.9
TOPSHELF (BGR-TF3)	6.7	6.7	4.3	5.9
BAR FA 8228	7.0	7.3	3.3	5.9
LAFAYETTE (GO-AOMK)	6.3	6.7	4.3	5.8
ATF1768	6.3	7.0	3.7	5.7
KENTUCKY-31	7.0	6.0	2.3	5.1
LSD VALUE	0.4	0.8	0.7	0.4
C.V. (%)	3.7	7.0	9.3	6.6

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

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

TABLE 30.

TURF UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	UT1	MEAN
PPG-TF 312	7.0	7.0	7.0
DAYBREAK (AH2)	7.0	6.7	6.8
DLFPS-321/3706	6.7	7.0	6.8
EXPANSE (PPG-TF 262)	6.7	7.0	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.7	6.8
K18-NSE	7.0	6.7	6.8
RHF	7.0	6.7	6.8
RHL2	6.7	7.0	6.8
TRIAD (PPG-TF 323)	7.0	6.7	6.8
5LSS	6.7	6.7	6.7
BLADERUNNER 3 (DLFPS-321/3701)	6.7	6.7	6.7
DEGAS (LTP-TF-111)	6.7	6.7	6.7
RAPTOR LS (PPG-TF 336)	6.7	6.7	6.7
CLASH (AH1)	7.0	6.3	6.7
COL-TF-148	7.0	6.3	6.7
K18-WB1	7.0	6.3	6.7
PROVIDENCE (GO-RH20)	7.0	6.3	6.7
ROVER (PPG-TF 306)	7.0	6.3	6.7
RS1	7.0	6.3	6.7
TITANIUM G-LS (PPG-TF 255)	7.0	6.3	6.7
XANADU (JT 268)	7.0	6.3	6.7
BATTLE HAWK (NAI-ROS4)	6.7	6.3	6.5
BENTLEY (DLFPS-321/3679)	7.0	6.0	6.5
BONFIRE (JS DTT)	6.7	6.3	6.5
BULLSEYE LTZ	7.0	6.0	6.5
CAPITAN (DLFPS-321/3705)	6.7	6.3	6.5
COPIOUS TF	7.0	6.0	6.5
DLFPS-321/3693	7.0	6.0	6.5
DLFPS-321/3694	6.3	6.7	6.5
DLFPS-321/3695	6.3	6.7	6.5
DLFPS-321/3707	6.7	6.3	6.5
DLFPS-TF/3553	6.3	6.7	6.5
ENDGAME (3N1)	7.0	6.0	6.5
ESTRENA	7.0	6.0	6.5
FINELAWN SUPREME (RH3)	7.0	6.0	6.5
GALLARDO (DLFPS-TF/3550)	6.7	6.3	6.5
HOUNDOG NINE (DLFPS-321/3702)	6.7	6.3	6.5
NT-3	6.7	6.3	6.5
OKEEFE (LTP-TF-122)	7.0	6.0	6.5
PPG-TF 318	7.0	6.0	6.5
RAPTOR III	6.7	6.3	6.5
SERENADE (PPG-TF 320)	7.0	6.0	6.5
SPYDER 2LS (ZRC1)	6.7	6.3	6.5
SYMPHONY (PPG-TF 305)	7.0	6.0	6.5
TANK (PPG-TF 338)	6.7	6.3	6.5
TD2	6.7	6.3	6.5

TABLE 30.
(CONT'D)

TURF UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	UT1	MEAN
TEACHER (PPG-TF 313)	6.7	6.3	6.5
A-TF31	7.0	5.7	6.3
AST8118LM	6.7	6.0	6.3
BULLSEYE	7.0	5.7	6.3
DLFPS-321/3708	6.7	6.0	6.3
DYNAMITE G-LS (PPG-TF 254)	6.7	6.0	6.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.7	6.0	6.3
FASTLANE (BY-TF-169)	6.7	6.0	6.3
FIRENZA II (PPG-TF 244)	6.7	6.0	6.3
GRANDE 3	6.7	6.0	6.3
HEMI	6.7	6.0	6.3
JT 517	7.0	5.7	6.3
K18-RS6	6.7	6.0	6.3
MOONDANCE GLX	7.0	5.7	6.3
NAI-ST5	7.0	5.7	6.3
PADRE 2	6.7	6.0	6.3
PARAMOUNT	6.7	6.0	6.3
PPG-TF 231	6.7	6.0	6.3
PPG-TF 316	7.0	5.7	6.3
PPG-TF 337	6.7	6.0	6.3
PRO GOLD	7.0	5.7	6.3
PST-5DC24	7.0	5.7	6.3
PST-5GQ	7.0	5.7	6.3
RC4	6.7	6.0	6.3
RDC	6.7	6.0	6.3
SR 8700 (TMT1)	6.7	6.0	6.3
TITAN GLX (TF445)	6.7	6.0	6.3
TITAN MAX (TF456)	6.7	6.0	6.3
VALSETZ (PPG-TF 257)	6.7	6.0	6.3
ZION (BAR TF 134)	7.0	5.7	6.3
GALACTIC (SESCR1)	6.3	6.3	6.3
3B2	6.7	5.7	6.2
BARNOBLE (BAR 9FE MAS)	6.7	5.7	6.2
BIRMINGHAM	6.7	5.7	6.2
DRAGSTER	6.7	5.7	6.2
EXTRAVAGANZA (PST-5MCMO)	6.7	5.7	6.2
FIREHAWK SLT	6.7	5.7	6.2
HELLCAT GLR (PST-5E6)	6.7	5.7	6.2
JT 233	6.7	5.7	6.2
KIZZLE (K18-ROE)	6.7	5.7	6.2
LIFEGUARD	6.7	5.7	6.2
PPG-TF 249	6.7	5.7	6.2
STEALTH (PPG-TF 238)	6.7	5.7	6.2
AVENGER III (PPG-TF 308)	6.0	6.3	6.2
BRAVO 2	7.0	5.3	6.2
DLFPS-321/3703	6.3	6.0	6.2
FALCON SUPREME (RH1)	6.3	6.0	6.2

TABLE 30.
(CONT'D)

TURF UNIFORMITY RATINGS OF TALL FESCUE CULTIVARS 1/
2023 DATA

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

NAME	NE1	UT1	MEAN
LAFAYETTE (GO-AOMK)	7.0	5.3	6.2
ORIOLE (PST-5BYOB)	7.0	5.3	6.2
ROWDIER (DLFPS-321/3699)	6.3	6.0	6.2
SOUTHSIDE (PPG-TF 267)	6.3	6.0	6.2
TALLADEGA II (NAI-3N2)	6.3	6.0	6.2
ATF1768	7.0	5.0	6.0
ESCALADE	7.0	5.0	6.0
GLX ACED (PST-5DART)	6.3	5.7	6.0
GLX REVIVE (PST-5GLBS)	6.7	5.3	6.0
GRO-PRO (SE53D2)	7.0	5.0	6.0
LBF	6.3	5.7	6.0
NATURALLY GREEN	6.3	5.7	6.0
PALOMAR	7.0	5.0	6.0
PST-5TRN	6.3	5.7	6.0
TANGO	6.3	5.7	6.0
TOUGH (NAI-TUE)	6.3	5.7	6.0
ATF2116	6.7	5.0	5.8
BANDIT	6.0	5.7	5.8
BAR FA 8228	7.0	4.7	5.8
BAR-FA8230	6.7	5.0	5.8
NAI-FQZ-17	6.7	5.0	5.8
PST-5THM	6.7	5.0	5.8
RACEWAY (DLFPS-321/3696)	6.0	5.7	5.8
RAD-TF115 (TURBO SS)	6.7	5.0	5.8
SE5STAR	7.0	4.7	5.8
AST8218LM	6.3	5.3	5.8
FAIRFIELD (SETF104)	6.3	5.3	5.8
FAYETTE	6.3	5.3	5.8
PST-5DZM	6.3	5.3	5.8
PST-5MINK	6.3	5.3	5.8
RAD-TF105	6.3	5.3	5.8
SETFM2	6.3	5.3	5.8
SETFM3	6.3	5.3	5.8
TOPSHELF (BGR-TF3)	6.3	5.3	5.8
GRAND PRIX (FC15-01P)	6.7	4.7	5.7
RAD-TF131	6.7	4.7	5.7
MONUMENT (PST-5SQB)	6.3	5.0	5.7
OG-WALK	7.0	4.3	5.7
KENTUCKY-31	6.0	4.0	5.0
LSD VALUE	0.7	1.1	0.6
C.V. (%)	6.8	11.2	9.0

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

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

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS */
2023 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
3B2	6.0	5.3	FIERCE (K18-RS6)	6.2	42.1
5LSS	6.2	42.1	FINELAWN SUPREME (RH3)	6.2	47.4
A-TF31	5.7	5.3	FIRECRACKER G-LS (PPG-TF 315)	6.1	21.1
AST8118LM	5.5	0.0	FIREHAWK SLT	6.1	21.1
AST8218LM	5.6	5.3	FIRENZA II (PPG-TF 244)	6.3	47.4
ATF1768	5.9	21.1	GALACTIC (SESCR1)	6.2	26.3
ATF2116	5.8	5.3	GALLARDO (DLFPS-TF/3550)	6.3	36.8
AVENGER III (PPG-TF 308)	6.3	42.1	GEM (PPG-TF 316)	6.2	42.1
BANDIT	5.6	0.0	GLX ACED (PST-5DART)	6.1	10.5
BAR FA 8228	5.4	10.5	GLX REVIVE (PST-5GLBS)	6.0	15.8
BAR-FA8230	5.6	10.5	GRAND PRIX (FC15-01P)	5.4	0.0
BARNOBLE (BAR 9FE MAS)	5.4	10.5	GRANDE 3	5.8	0.0
BATTLE HAWK (NAI-ROS4)	6.2	42.1	GRO-PRO (SE53D2)	5.8	10.5
BENTLEY (DLFPS-321/3679)	6.0	15.8	HELLCAT GLR (PST-5E6)	6.1	15.8
BIRMINGHAM	5.5	10.5	HEMI	6.0	31.6
BLADERUNNER 3 (DLFPS-321/3701)	6.2	36.8	HOUNDOG NINE (DLFPS-321/3702)	6.2	26.3
BONFIRE (JS DTT)	6.3	42.1	JT 233	6.0	15.8
BRAVO 2	5.7	10.5	JT 517	5.9	31.6
BULLSEYE	5.6	5.3	K18-NSE	6.0	31.6
BULLSEYE LTZ	6.2	26.3	K18-WB1	6.1	36.8
CAPITAN (DLFPS-321/3705)	6.2	47.4	KENTUCKY-31	4.2	5.3
CLASH (AH1)	6.4	52.6	KIZZLE (K18-ROE)	6.1	21.1
COPIOUS TF	5.7	0.0	LAFAYETTE (GO-AOMK)	5.8	5.3
DAYBREAK (AH2)	6.4	47.4	LBF	5.8	5.3
DEGAS (LTP-TF-111)	6.2	42.1	LIFEGUARD	6.1	21.1
DLFPS-321/3693	6.2	36.8	MONUMENT (PST-5SQB)	5.7	5.3
DLFPS-321/3694	6.0	0.0	MOONDANCE GLX	5.7	10.5
DLFPS-321/3695	6.1	21.1	NAI-FQZ-17	5.6	5.3
DLFPS-321/3703	5.9	15.8	NAI-ST5	6.2	36.8
DLFPS-321/3706	6.1	36.8	NATURALLY GREEN	5.7	10.5
DLFPS-321/3707	6.3	47.4	NT-3	6.3	52.6
DLFPS-321/3708	6.3	47.4	O'KEEFE (LTP-TF-122)	6.1	15.8
DLFPS-TF/3553	6.1	21.1	OG-WALK	5.2	5.3
DRAGSTER	6.1	42.1	ORIOLE (PST-5BYOB)	5.9	5.3
DYNAMITE G-LS (PPG-TF 254)	6.2	36.8	PADRE 2	5.9	15.8
ENDGAME (3N1)	5.9	21.1	PALOMAR	5.3	10.5
ESCALADE	5.4	5.3	PARAMOUNT	5.9	0.0
ESSENTIAL 2 (DLFPS-TF/3552)	6.2	31.6	PPG-TF 231	6.0	21.1
ESTRENA	5.8	15.8	PPG-TF 249	6.1	31.6
EXPANSE (PPG-TF 262)	6.4	73.7	PPG-TF 312	5.9	31.6
EXTRAVAGANZA (PST-5MCMO)	6.0	21.1	PPG-TF 318	6.1	26.3
FAIRFIELD (SETF104)	5.9	10.5	PPG-TF 337	6.2	42.1
FALCON SUPREME (RH1)	6.2	21.1	PRO GOLD	5.8	10.5
FASTLANE (BY-TF-169)	6.1	26.3	PROVIDENCE (GO-RH20)	6.4	52.6
FAYETTE	5.8	15.8	PST-5DC24	5.9	15.8

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS
(CONT'D) 2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PST-5DZM	5.9	10.5
PST-5GQ	6.0	10.5
PST-5MINK	5.7	10.5
PST-5TRN	6.0	10.5
RACEWAY (DLFPS-321/3696)	6.1	15.8
RAD-TF 115 (TURBO SS)	5.5	0.0
RAD-TF105	5.9	5.3
RAD-TF131	5.5	5.3
RAPTOR III	6.1	21.1
RAPTOR LS (PPG-TF 336)	6.1	42.1
RC4	6.2	15.8
RDC	6.2	15.8
RHF	6.2	26.3
RHL2	6.2	52.6
ROVER (PPG-TF 306)	6.3	52.6
ROWDIER (DLFPS-321/3699)	6.1	42.1
RS1	6.2	42.1
SE5STAR	5.5	0.0
SERENADE (PPG-TF 320)	6.4	47.4
SETFM2	5.6	0.0
SETFM3	5.8	10.5
SOUTHSIDE (PPG-TF 267)	6.3	42.1
SPYDER 2LS (ZRC1)	6.3	63.2
SR 8700 (TMT1)	6.1	31.6
STEALTH (PPG-TF 238)	6.3	52.6
SYMPHONY (PPG-TF 305)	6.3	42.1
TALLADEGA II (NAI-3N2)	5.9	10.5
TANGO	5.7	10.5
TANK (PPG-TF 338)	6.2	31.6
TAR HEEL III (PST-5THM)	5.8	15.8
TD2	6.3	36.8
TEACHER (PPG-TF 313)	6.3	57.9
TITAN GLX (TF445)	6.3	36.8
TITAN MAX (TF456)	6.2	31.6
TITANIUM G-LS (PPG-TF 255)	6.4	47.4
TOPSHELF (BGR-TF3)	5.6	10.5
TOUGH (NAI-TUE)	5.7	10.5
TRIAD (PPG-TF 323)	6.2	31.6
TYCOON (COL-TF-148)	6.3	36.8
VALSETZ (PPG-TF 257)	6.2	31.6
XANADU (JT 268)	6.4	63.2
ZION (BAR TF 134)	6.1	26.3
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.