

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2012 NATIONAL TALL FESCUE TEST
 LOCATIONS SUBMITTING DATA FOR 2016

State	Location	Code
California	Riverside	CA3
Connecticut	Storrs	CT1
Georgia	Griffin	GA1
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Kentucky	Lexington (Brown Patch)	KY2
Maryland	College Park	MD1
Missouri	Columbia	MO1
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
Tennessee	Knoxville	TN1
Tennessee	Knoxville (Traffic)	TN2
Utah	Logan (Drought)	UT1
Utah	Logan (Spread Study)	UT2
Virginia	Blacksburg	VA1

2012 NATIONAL TALL FESCUE TEST
Entries and Sponsors

1	Terrano	SemillasFito S.A.	40	ATF 1704	Pennington Seed	79	K12-05	The Scotts Company
*2	Ky-31	Standard Entry	*41	GTO (Burl TF-2)	Burlingham Seeds	*80	AvengerII (PPG-TF-156)	Mountain View Seeds
3	Regenerate	Landmark Turf& NS	*42	Hot Rod (Burl TF-136)	Burlingham Seeds	*81	Thor (PPG-TF-157)	Columbia Seeds LLC
4	Fesnova	SemillasFitoS.A	*43	Leonardo (LTP-FSD)	Lebanon Turf Products	82	PPG-TF-169	Integra Turf
*5	Raptor III(ZW 44)	Z Seeds	*44	Rockwell (LTP-TWUU)	Lebanon Turf Products	*83	Supersonic (PPG-TF-170)	Mountain View Seeds
*6	Traverse 2 SRP(W45)	Turf Merchants, Inc	*45	Michelangelo (LTP-F5DPDR)	Lebanon Turf Products	*84	Paramount (PPG-TF-137)	Lewis Seed Company
*7	4 th Millennium SRP(U43)	Turf Merchants, Inc	*46	Unitus (IS-TF 289)	DLF Pickseed, SRO	85	PPG-TF-135	Ampac Seed Company
*8	Rhambler 2 SRP(LSD)	Turf Merchants, Inc	*47	Bloodhound (MET 6 SEL)	DLF	86	PPG-TF-115	Lewis Seed Company
*9	Aquaduct	Turf Merchants, Inc	*48	Diablo (IS-TF 330)	Columbia Seeds LLC	*87	Firecracker SLS (PPG-TF-105)	Mountain View Seeds
*10	Catalyst	Standard Entry	49	IS-TF-287	DLF Pickseed USA	*88	Valkyrie LS (PPG-TF-172)	Mountain View Seeds
*11	Marauder	Ledeboer Seed LLC	*50	Houndog8 (IS-TF-307 SEL)	DLF	*89	Wichita (PPG-TF-151)	Grassland Oregon
*12	Warhawk	Ledeboer Seed LLC	51	IS-TF-308 SEL	DLF Pickseed USA	*90	Titanium 2LS (PPG-TF-152)	Mountain View Seeds
*13	Annihilator	Ledeboer Seed LLC	52	IS-TF-311	Brett-Young Seeds	*91	Screamer LS (PPG-TF-148)	Mountain View Seeds
14	Comp. Res. SST	Ledeboer Seed LLC	*53	Nightcrawler (IS-TF-285)	Pickseed	*92	Black Tail (PPG-TF-150)	Columbia Seeds LLC
15	204 Res. Blk4	Ledeboer Seed LLC	*54	Crossfire 4 (IS-TF-310 SEL)	Pickseed	93	BIZEM	SemillasFito S.A.
16	JS 819	Jacklin Seed by Simplot©	55	IS-TF-272	DLF Pickseed USA	*94	Amity (CCR2)	Proseeds Marketing
17	JS 818	Jacklin Seed by Simplot©	56	ATF 1736	Pennington Seed	95	MET-3	Proseeds Marketing
18	JS 809	Jacklin Seed by Simplot©	57	ATF 1754	Brett-Young Seeds	96	W41	The Scotts Company
19	JS 916	Jacklin Seed by Simplot©	*58	Hemi	Burlingham Seeds	*97	Dynamite LS (PPG-TF-145)	Mountain View Seeds
20	JS 825	Jacklin Seed by Simplot©	*59	Firebird 2	Burlingham Seeds	98	PPG-TF-138	Ampac Seeds
21	MET 1	The Scotts Company	*60	Bullseye	Standard Entry	99	Xtender (PPG-TF-139)	Landmark Turf & Native S.
22	F711	The Scotts Company	61	Embrace (PST-5EV2)	Landmark Turf & N.S.	*100	Ares (PPG-TF-142)	Mountain View Seed
*23	Fayette(IS-TF-291)	DLF Pickseed, SRO	62	Meridian (PST-5GRB)	Landmark Turf & N.S.	101	RAD-TF-89	Bailey Seeds
24	IS-TF-276 M2	DLF Pickseed USA	*63	Saltillo (PST-5SALT)	Rose Agri-Seed	102	RAD-TF-92	Radix Research
*25	RhizingMoon(IS-TF-305 SEL)	DLF	*64	Rain Dance (PST-5SDT)	Rose Agri-Seed	*103	Memphis (GO-DFR)	Grassland Oregon
26	IS-TF-269 SEL	DLF Pickseed USA	65	PST-5DZP	Pure Seed Testing, Inc	104	K12-MCD	The Scotts Company
*27	Turfway(IS-TF-282 M2)	DLF	*66	Swagger (PST-5RO5)	Brett-Young Seeds	105	PST-5EX2	Pure Seed Testing, Inc.
*28	Foxhound (IS-TF-284 M2)	DLF	67	PST-5BPO	Grassland Oregon	106	PST-5MVD	Brett-Young Seeds
*29	Temptation (OR-21)	Great Basin Seed	68	PST-5BRK	Pure Seed Testing, Inc	107	RAD-TF-83	Oak Park Farms
*30	Caesar (TY 10)	Great Basin Seed	*69	Kingdom (DB1)	SiteOne Landscape Supply	*108	Olympus (RAD-TF-88)	Grassland Oregon
*31	Frontline (Exp TF-09)	Great Basin Seed	*70	Technique (RZ2)	SiteOne Landscape Supply	109	BAR Fa 120878	Barenburg USA
*32	Rowdy (SRX-TPC)	Seed Research of OR	*71	Thunderstruck (TD1)	Columbia Seeds LLC	110	BAR Fa 121089	Barenburg USA
*33	Firewall (PSG-WEI)	Pickseed	*72	Temple (DZ1)	Columbia Seeds LLC	111	BAR Fa 121091	Barenburg USA
*34	Rebounder(Pick-W43)	Seed Research of OR	*73	Maestro (T31)	Landmark Turf & N.S.	112	BAR Fa 121095	Barenburg USA
*35	Grande 3	Seed Research of OR	74	PSG-GSD	DLF Pickseed USA	*113	Inspiration (PST-R5NW)	Rose-Agri Seed
36	PSG-PO1	Pickseed	75	PSG-8BP2	DLF Pickseed USA	*114	Hover (Burl TF-69)	Ag. Service Seeds
*37	Reflection (U45)	Landmark Turf & N.S.	76	PSG-TT4	DLF Pickseed USA	*115	Falcon IV	Standard Entry
38	B23	Pennington Seed	*77	Faith	Standard Entry	*116	Falcon V	Standard Entry
39	ATF 1612	Pennington Seed	78	K12-13	The Scotts Company			

*COMMERCIALY AVAILABLE IN THE USA IN 2017

TABLE A.

2016 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2012 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
CA3	SANDY LOAM	7.1-7.5	0-60	241-375	5.1-6.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
CT1	SANDY LOAM	6.1-6.5	0-60	241-375	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
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	2.6-3.0	ONLY DURING SEVERE STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	241-375	1.1-2.0	UNIFORM SHADE	2.1-2.5	NO IRRIGATION
IN1	SILT LOAM AND SILT	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
KS2	SANDY LOAM	-	-	-	-	FULL SUN	-	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	4.6-5.5	451+	376-500	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
KY2	SILT LOAM AND SILT	4.6-5.5	271-450	241-375	1.1-2.0	FULL SUN	3.1-3.5	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
MO1	SILT LOAM AND SILT	6.1-6.5	0-60	151-240	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
MS1	SANDY LOAM	7.1-7.5	151-270	376-500	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NC1	SILTY CLAY 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	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
TN1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TN2	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
UT1	-	-	-	-	-	-	-	-
UT2	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2016

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CT1				X	X	X	X	X	X	X	X	X	X		X
GA1	X	X	X	X	X	X	X	X	X	X	X	X	X		
IA1				X	X	X	X	X	X	X			X		
IL1				X	X	X	X	X	X	X			X	X	X
IL2			X	X	X	X	X	X	X	X	X				
IN1					X	X	X	X	X	X			X		X
KS2			X	X	X	X	X	X	X	X				X	
KY1			X	X	X	X	X	X	X	X					
KY2															
MD1				X	X	X	X	X	X	X					
MO1			X	X	X	X	X	X	X	X			X		
MS1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NC1		X	X	X	X	X	X	X	X	X			X	X	X
NE1				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X				X	
NJ2				X	X	X	X	X	X	X			X		
NJ3															
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X		
TN2	X	X	X	X	X	X	X	X	X	X	X	X	X		
UT1				X	X	X	X	X	X	X				X	
UT2															
VA1					X	X	X	X	X	X					

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2016

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	RED THREAD	BROWN PATCH WARM TEMP.	BROWN PATCH COOL TEMP.	PINK SNOW MOLD	FALL COLOR OCTOBER	POA ANNUA	BROWN PATCH JULY	BROWN PATCH AUGUST
CA3		X													
CT1															
GA1									X						
IA1															
IL1															
IL2				X	X										
IN1		X													
KS2															
KY1															
KY2															
MD1										X					
MO1								X							
MS1															
NC1	X			X			X								
NE1			X			X	X		X					X	X
NJ1															
NJ2															
* NJ3														X	X
TN1				X	X	X									
* TN2															
UT1															
* UT2													X		
VA1															

* MORE DATA FOR NJ3, TN2 AND UT2 IN TABLE 12, 13 AND 18.

TABLE 1.

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

NAME	Entry #	CT1	NJ1	NJ2	MD1	KY1	MEAN
* BLACK TAIL (PPG-TF-150)	92	6.4	7.9	5.8	6.5	7.5	7.1
REGENERATE	3	6.7	8.2	6.1	7.0	7.6	7.1
* AMITY (CCR2)	94	6.5	7.6	5.7	6.7	7.4	7.1
MET 1	21	6.6	7.7	5.8	6.7	7.5	6.9
* TRAVERSE 2 SRP (W45)	6	6.6	7.7	5.8	6.8	7.5	6.9
* REFLECTION (U45)	37	6.5	7.8	5.8	6.7	7.5	6.9
BIZEM	93	6.5	7.3	5.5	6.5	7.5	6.9
* TITANIUM 2LS (PPG-TF-152)	90	6.5	7.2	5.5	6.5	7.4	6.8
PPG-TF-135	85	6.4	7.2	5.5	6.5	7.4	6.8
* AVENGER II (PPG-TF-156)	80	6.5	7.7	5.7	6.7	7.4	6.8
* RAPTOR III (ZW 44)	5	6.6	7.5	5.7	6.7	7.5	6.8
* REBOUNDER (PICK-W43)	34	6.5	7.7	5.7	6.6	7.5	6.8
* 4TH MILLENNIUM SRP (U43)	7	6.6	7.4	5.7	6.7	7.5	6.8
* THOR (PPG-TF-157)	81	6.5	7.5	5.7	6.6	7.5	6.7
* TECHNIQUE (RZ2)	70	6.5	7.5	5.6	6.6	7.5	6.7
* FIRECRACKER SLS (PPG-TF-105)	87	6.3	7.2	5.4	6.3	7.4	6.7
IS-TF 308 SEL	51	6.4	7.6	5.6	6.5	7.4	6.7
* SUPERSONIC (PPG-TF-170)	83	6.4	7.0	5.4	6.4	7.4	6.7
F711	22	6.6	7.2	5.6	6.7	7.4	6.7
* ROWDY (SRX-TPC)	32	6.3	7.7	5.7	6.5	7.3	6.7
W41	96	6.4	7.0	5.3	6.3	7.5	6.7
* ROCKWELL (LTP-TWJU)	44	6.5	7.3	5.6	6.6	7.4	6.7
* PARAMOUNT (PPG-TF-137)	84	6.3	7.0	5.3	6.3	7.3	6.6
* VALKYRIE LS (PPG-TF-172)	88	6.4	6.9	5.3	6.4	7.2	6.6
MET-3	95	6.4	6.8	5.3	6.3	7.4	6.6
* HOT ROD (BURL TF-136)	42	6.3	7.3	5.5	6.4	7.4	6.6
* BLOODHOUND (MET 6 SEL)	47	6.4	7.3	5.5	6.4	7.3	6.6
* HEMI	58	6.4	7.2	5.4	6.4	7.4	6.6
* HOVER (BURL TF-69)	114	6.1	6.9	5.2	6.1	7.3	6.5
XTENDER (PPG-TF-139)	99	6.2	6.8	5.2	6.2	7.3	6.5
* TEMPLE (DZ1)	72	6.2	7.3	5.4	6.3	7.4	6.5
RAD-TF-92	102	5.9	7.0	5.1	5.9	7.2	6.5
IS-TF 311	52	6.3	7.0	5.3	6.3	7.4	6.5
* SCREAMER LS (PPG-TF-148)	91	6.2	6.7	5.1	6.1	7.2	6.5
* MAESTRO (T31)	73	6.4	6.9	5.3	6.3	7.4	6.5
* GTO (BURL TF-2)	41	6.4	6.8	5.3	6.3	7.4	6.4
* FAYETTE (IS-TF 291)	23	6.2	7.1	5.3	6.2	7.3	6.4
* FIREBIRD 2	59	6.3	7.0	5.3	6.3	7.3	6.4
PSG-P01	36	6.3	7.0	5.3	6.2	7.4	6.4
* CROSSFIRE 4 (IS-TF 310 SEL)	54	6.3	7.0	5.3	6.3	7.3	6.4
EMBRACE (PST-5EV2)	61	6.3	7.0	5.3	6.3	7.3	6.4
* WICHITA (PPG-TF-151)	89	6.2	6.6	5.1	6.1	7.3	6.4
B23	38	6.0	7.3	5.3	6.1	7.1	6.4
IS-TF 269 SEL	26	6.1	7.2	5.3	6.0	7.4	6.4
PPG-TF-138	98	6.1	6.6	5.0	6.0	7.2	6.4
* RHAMBLER 2 SRP (LSD)	8	6.1	7.1	5.3	6.3	7.0	6.4
JS 916	19	6.2	7.0	5.2	6.2	7.3	6.4
* MICHELANGELO (LTP-F5DPDR)	45	6.2	6.8	5.1	6.1	7.3	6.3
* FIREWALL (PSG-WE1)	33	6.2	6.7	5.1	6.1	7.4	6.3
* HOUNDOG8 (IS-TF 307 SEL)	50	6.2	6.7	5.1	6.1	7.3	6.3

TABLE 1.
(CONT'D)

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

NAME	Entry #	CT1	NJ1	NJ2	MD1	KY1	MEAN
* FOXHOUND (IS-TF 284 M2)	28	6.0	6.9	5.1	5.9	7.3	6.2
* DIABLO (IS-TF 330)	48	6.0	6.8	5.1	5.9	7.3	6.2
ATF 1612	39	6.1	6.8	5.1	6.0	7.3	6.2
* KINGDOM (DB1)	69	6.0	6.9	5.1	5.9	7.2	6.2
PPG-TF-169	82	6.2	6.5	5.0	6.0	7.3	6.2
* LEONARDO (LTP-FSD)	43	6.2	6.5	5.0	6.1	7.2	6.2
ATF 1704	40	6.2	6.5	5.0	6.1	7.1	6.2
* RHIZING MOON (IS-TF 305 SEL)	25	6.0	6.7	5.0	5.9	7.3	6.2
* OLYMPUS (RAD-TF-88)	108	5.8	6.5	4.8	5.6	7.2	6.2
* NIGHTCRAWLER (IS-TF 285)	53	6.0	6.8	5.0	6.0	7.1	6.2
MERIDIAN (PST-5GRB)	62	6.0	6.8	5.0	5.9	7.1	6.2
RAD-TF-89	101	5.9	6.4	4.8	5.7	7.2	6.2
* TURFWAY (IS-TF 282 M2)	27	6.1	6.6	4.9	5.8	7.4	6.2
* GRANDE 3	35	6.2	6.4	4.9	6.0	7.3	6.1
* SALTILLO (PST-5SALT)	63	6.2	6.3	5.0	6.1	7.1	6.1
FESNOVA	4	6.1	6.4	4.9	5.9	7.2	6.1
* BULLSEYE	60	6.0	6.5	4.9	5.8	7.2	6.1
IS-TF-287	49	6.0	6.5	4.9	5.8	7.1	6.0
* FALCON V	116	5.9	6.2	4.7	5.7	7.0	6.0
* CATALYST	10	6.0	6.4	4.9	5.9	7.0	6.0
PST-5MVD	106	5.9	6.1	4.7	5.7	7.1	6.0
K12-MCD	104	5.9	6.1	4.7	5.7	7.1	6.0
* FAITH	77	6.1	6.1	4.8	5.8	7.3	6.0
PST-5BPO	67	6.1	6.1	4.8	5.9	7.1	6.0
PPG-TF-115	86	6.0	6.0	4.6	5.7	7.1	6.0
K12-05	79	5.9	6.4	4.8	5.7	7.1	6.0
REBEL V (ATF 1736)	56	6.0	6.2	4.7	5.8	7.1	6.0
IS-TF 272	55	5.8	6.5	4.8	5.6	7.2	5.9
* DYNAMITE LS (PPG-TF-145)	97	5.8	6.1	4.6	5.5	7.1	5.9
204 RES. BLK4	15	5.6	6.7	4.7	5.5	7.0	5.9
* UNITUS (IS-TF 289)	46	5.7	6.4	4.7	5.5	7.1	5.9
* THUNDERSTRUCK (TD1)	71	5.9	6.0	4.6	5.6	7.2	5.9
* ARES (PPG-TF-142)	100	5.7	6.0	4.5	5.4	7.0	5.8
PST-5DZP	65	5.8	6.2	4.6	5.6	7.0	5.8
ATF 1754	57	6.1	5.7	4.6	5.7	7.1	5.8
PST-5BRK	68	6.1	5.6	4.6	5.8	7.0	5.8
* MEMPHIS (GO-DFR)	103	5.7	5.9	4.4	5.3	7.1	5.8
JS 818	17	5.7	6.2	4.6	5.4	7.0	5.8
RAD-TF-83	107	5.6	5.9	4.4	5.2	7.0	5.8
IS-TF 276 M2	24	5.9	5.7	4.5	5.6	7.0	5.7
* CAESAR (TY 10)	30	5.8	5.8	4.5	5.5	7.0	5.7
BAR FA 121095	112	5.6	5.8	4.3	5.3	7.0	5.7
* TEMPTATION (OR-21)	29	5.7	5.9	4.5	5.4	7.0	5.7
* SWAGGER (PST-5R05)	66	5.7	5.5	4.3	5.4	6.7	5.5
TERRANO	1	5.7	5.5	4.2	5.3	6.9	5.5
PSG-GSD	74	5.6	5.5	4.2	5.3	6.9	5.5
K12-13	78	5.4	5.7	4.2	5.1	6.9	5.5
JS 819	16	5.5	5.5	4.2	5.1	6.9	5.5
BAR FA 121089	110	5.5	5.3	4.1	5.1	6.7	5.4

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2016 DATA

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

NAME	Entry #	CT1	NJ1	NJ2	MD1	KY1	MEAN
JS 809	18	5.6	5.3	4.1	5.2	6.8	5.4
* RAIN DANCE (PST-5SDT)	64	5.7	5.1	4.1	5.2	6.8	5.4
PST-5EX2	105	5.9	4.8	4.1	5.5	6.7	5.3
PSG-TT4	76	5.6	5.0	4.0	5.2	6.8	5.3
COMP. RES. SST	14	5.4	5.4	4.0	4.9	6.8	5.3
BAR FA 121091	111	5.4	5.1	3.9	4.8	6.9	5.3
PSG-8BP2	75	5.4	5.1	3.9	5.0	6.7	5.2
* INSPIRATION (PST-R5NW)	113	5.5	5.0	3.9	5.0	6.8	5.2
* FALCON IV	115	5.5	4.9	3.9	4.9	6.9	5.2
* FRONTLINE (EXP TF-09)	31	5.3	5.1	3.9	4.8	6.7	5.2
* ANNIHILATOR	13	5.2	5.1	3.8	4.7	6.8	5.1
* MARAUDER	11	5.2	5.1	3.8	4.6	6.7	5.1
JS 825	20	5.2	4.5	3.5	4.6	6.7	4.9
* AQUADUCT	9	5.3	4.4	3.5	4.7	6.5	4.9
* WARHAWK	12	5.0	4.4	3.3	4.3	6.6	4.7
BAR FA 120878	109	4.6	1.9	2.0	3.4	5.8	3.2
* KY-31	2	3.8	0.7	1.1	2.8	4.6	2.6
LSD VALUE		0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)		7.0	6.6	8.7	7.2	5.9	6.9

* COMMERCIALY AVAILABLE IN THE USA IN 2017

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

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

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

TABLE 2.

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

NAME	MS1	TN1	IL1	IA1	CA3	MEAN
W41	6.0	7.8	7.2	7.1	6.6	6.9
TURFWAY (IS-TF 282 M2)	5.9	7.8	7.2	7.1	6.5	6.9
REBOUNDER (PICK-W43)	5.9	7.7	7.2	7.1	6.6	6.9
PSG-PO1	5.9	7.7	7.2	7.1	6.5	6.9
FIREWALL (PSG-WE1)	5.9	7.8	7.1	7.1	6.5	6.9
IS-TF 269 SEL	5.8	7.6	7.4	7.1	6.5	6.9
GTO (BURL TF-2)	6.0	7.8	7.0	7.1	6.5	6.9
MET 1	5.9	7.7	7.1	7.0	6.5	6.9
HEMI	5.9	7.7	7.1	7.0	6.5	6.9
RHIZING MOON (IS-TF 305 SEL)	5.9	7.7	7.2	7.0	6.4	6.8
TECHNIQUE (RZ2)	5.9	7.7	7.1	7.0	6.5	6.8
FAITH	6.0	7.8	7.0	7.1	6.4	6.8
4TH MILLENNIUM SRP (U43)	5.9	7.7	7.0	7.0	6.5	6.8
PPG-TF-169	5.9	7.7	7.0	7.0	6.4	6.8
BIZEM	5.9	7.7	7.1	7.0	6.5	6.8
MET-3	5.9	7.7	6.9	7.0	6.4	6.8
RAPTOR III (ZW 44)	5.9	7.7	7.0	7.0	6.5	6.8
REFLECTION (U45)	5.8	7.6	7.2	7.0	6.5	6.8
REGENERATE	5.8	7.6	7.1	7.0	6.5	6.8
MAESTRO (T31)	5.9	7.7	7.0	7.0	6.5	6.8
SUPERSONIC (PPG-TF-170)	5.9	7.7	7.0	7.0	6.5	6.8
THOR (PPG-TF-157)	5.8	7.7	7.0	7.0	6.5	6.8
THUNDERSTRUCK (TD1)	5.9	7.7	7.0	7.0	6.3	6.8
TRAVERSE 2 SRP (W45)	5.8	7.6	7.0	6.9	6.5	6.8
IS-TF 311	5.8	7.6	7.0	6.9	6.4	6.8
GRANDE 3	5.9	7.7	6.9	7.0	6.4	6.8
TEMPLE (DZ1)	5.8	7.6	7.1	6.9	6.4	6.8
DIABLO (IS-TF 330)	5.8	7.6	7.1	7.0	6.4	6.8
WICHITA (PPG-TF-151)	5.8	7.7	6.9	6.9	6.4	6.8
JS 916	5.8	7.6	7.0	6.9	6.4	6.8
HOT ROD (BURL TF-136)	5.8	7.6	7.0	6.9	6.4	6.8
ROCKWELL (LTP-TWUU)	5.8	7.6	6.9	6.9	6.4	6.7
ATF 1612	5.8	7.6	7.1	6.9	6.4	6.7
MICHELANGELO (LTP-F5DPDR)	5.8	7.6	7.0	6.9	6.4	6.7
FIREBIRD 2	5.8	7.6	7.0	6.9	6.4	6.7
IS-TF 308 SEL	5.7	7.6	7.0	6.9	6.4	6.7
TITANIUM 2LS (PPG-TF-152)	5.8	7.6	6.9	6.9	6.4	6.7
FOXHOUND (IS-TF 284 M2)	5.7	7.6	7.1	6.9	6.4	6.7
FALCON IV	5.8	7.6	6.7	6.9	6.1	6.7
BULLSEYE	5.8	7.6	7.0	6.9	6.3	6.7
F711	5.9	7.7	6.8	6.9	6.4	6.7
FIRECRACKER SLS (PPG-TF-105)	5.8	7.6	7.1	7.0	6.4	6.7
PPG-TF-135	5.8	7.6	6.9	6.9	6.4	6.7
FAYETTE (IS-TF 291)	5.7	7.6	7.0	6.9	6.4	6.7
HOUNDOG8 (IS-TF 307 SEL)	5.8	7.6	6.9	6.9	6.3	6.7
AVENGER II (PPG-TF-156)	5.7	7.6	6.9	6.9	6.4	6.7
RAD-TF-89	5.8	7.6	7.0	6.9	6.3	6.7
PPG-TF-115	5.8	7.6	6.7	6.8	6.2	6.7
AMITY (CCR2)	5.8	7.6	7.0	6.9	6.4	6.7
PPG-TF-138	5.8	7.6	6.9	6.9	6.3	6.7

TABLE 2.
(CONT'D)

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

NAME	MS1	TN1	IL1	IA1	CA3	MEAN
CROSSFIRE 4 (IS-TF 310 SEL)	5.8	7.6	6.9	6.9	6.3	6.7
SCREAMER LS (PPG-TF-148)	5.8	7.6	6.8	6.9	6.3	6.7
BLACK TAIL (PPG-TF-150)	5.8	7.6	7.3	7.0	6.5	6.7
BLOODHOUND (MET 6 SEL)	5.7	7.5	6.9	6.9	6.4	6.7
FESNOVA	5.8	7.6	6.8	6.9	6.3	6.7
ATF 1754	5.9	7.7	6.6	6.9	6.3	6.7
IS-TF 272	5.7	7.5	7.1	6.9	6.3	6.7
XTENDER (PPG-TF-139)	5.8	7.6	6.9	6.9	6.3	6.7
LEONARDO (LTP-FSD)	5.8	7.6	6.7	6.9	6.3	6.7
OLYMPUS (RAD-TF-88)	5.8	7.6	7.2	7.0	6.3	6.7
K12-05	5.7	7.5	6.9	6.9	6.3	6.7
ROWDY (SRX-TPC)	5.6	7.4	7.0	6.8	6.3	6.7
EMBRACE (PST-5EV2)	5.7	7.5	6.8	6.8	6.3	6.6
HOVER (BURL TF-69)	5.7	7.5	7.0	6.9	6.3	6.6
KINGDOM (DB1)	5.6	7.4	7.0	6.8	6.3	6.6
PARAMOUNT (PPG-TF-137)	5.7	7.5	6.8	6.8	6.3	6.6
UNITUS (IS-TF 289)	5.6	7.5	7.0	6.8	6.2	6.6
PST-5MVD	5.7	7.5	6.8	6.8	6.2	6.6
MEMPHIS (GO-DFR)	5.7	7.5	6.9	6.9	6.2	6.6
K12-MCD	5.7	7.5	6.8	6.8	6.2	6.6
TEMPTATION (OR-21)	5.7	7.5	6.9	6.8	6.2	6.6
PST-5EX2	5.7	7.5	6.0	6.6	5.9	6.6
REBEL V (ATF 1736)	5.7	7.5	6.7	6.8	6.2	6.6
CAESAR (TY 10)	5.7	7.6	6.7	6.8	6.2	6.6
SALTILLO (PST-5SALT)	5.8	7.6	6.6	6.8	6.2	6.6
DYNAMITE LS (PPG-TF-145)	5.7	7.5	6.9	6.8	6.2	6.6
PST-5BP0	5.8	7.6	6.6	6.8	6.2	6.6
VALKYRIE LS (PPG-TF-172)	5.7	7.5	6.6	6.7	6.2	6.6
JS 819	5.7	7.5	6.8	6.8	6.1	6.6
RAD-TF-83	5.7	7.5	7.0	6.9	6.2	6.6
BAR FA 121091	5.7	7.5	6.8	6.8	6.1	6.6
BAR FA 121095	5.7	7.5	6.8	6.8	6.1	6.6
PST-5BRK	5.8	7.6	6.5	6.8	6.2	6.6
IS-TF 276 M2	5.7	7.6	6.6	6.8	6.2	6.6
ATF 1704	5.7	7.5	6.6	6.7	6.2	6.5
RAD-TF-92	5.6	7.5	7.1	6.9	6.3	6.5
JS 818	5.6	7.4	6.9	6.7	6.1	6.5
ARES (PPG-TF-142)	5.6	7.4	6.8	6.7	6.1	6.5
INSPIRATION (PST-R5NW)	5.6	7.4	6.5	6.6	6.0	6.5
IS-TF-287	5.6	7.4	6.7	6.7	6.2	6.5
TERRANO	5.7	7.5	6.6	6.7	6.1	6.5
FALCON V	5.6	7.4	6.7	6.7	6.1	6.5
PSG-GSD	5.6	7.5	6.6	6.7	6.1	6.5
B23	5.5	7.3	6.9	6.7	6.2	6.5
MERIDIAN (PST-5GRB)	5.5	7.3	6.8	6.7	6.1	6.5
NIGHTCRAWLER (IS-TF 285)	5.5	7.3	6.8	6.7	6.1	6.5
PSG-TT4	5.7	7.5	6.5	6.7	6.0	6.5
204 RES. BLK4	5.4	7.2	7.0	6.7	6.1	6.5
PST-5DZP	5.5	7.3	6.7	6.7	6.1	6.5

TABLE 2.
(CONT'D)

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

NAME	MS1	TN1	IL1	IA1	CA3	MEAN
ANNIHILATOR	5.5	7.3	6.8	6.7	6.0	6.5
K12-13	5.5	7.3	6.8	6.7	6.0	6.4
COMP. RES. SST	5.5	7.3	6.7	6.7	6.0	6.4
RAIN DANCE (PST-5SDT)	5.7	7.5	6.4	6.6	6.0	6.4
WARHAWK	5.6	7.4	6.7	6.7	5.9	6.4
MARAUDER	5.5	7.3	6.7	6.7	5.9	6.4
JS 825	5.6	7.4	6.5	6.7	5.9	6.4
BAR FA 121089	5.5	7.3	6.5	6.6	5.9	6.4
CATALYST	5.5	7.3	6.5	6.6	6.0	6.4
JS 809	5.6	7.4	6.5	6.6	6.0	6.4
RHAMBLER 2 SRP (LSD)	5.4	7.2	6.6	6.5	6.1	6.4
FRONTLINE (EXP TF-09)	5.5	7.3	6.5	6.5	5.9	6.3
PSG-8BP2	5.5	7.3	6.4	6.5	5.9	6.3
SWAGGER (PST-5R05)	5.5	7.3	6.3	6.5	5.9	6.3
BAR FA 120878	5.3	7.0	5.3	6.0	5.2	6.2
AQUADUCT	5.4	7.2	6.1	6.4	5.7	6.1
KY-31	4.1	5.8	3.6	4.6	3.9	4.4
LSD VALUE	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)	7.4	5.6	6.2	6.2	6.8	6.4

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

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

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

NAME	VA1	NC1	IN1	MEAN
F711	7.4	6.5	6.8	6.9
RAPTOR III (ZW 44)	7.3	6.4	6.8	6.8
4TH MILLENNIUM SRP (U43)	7.3	6.3	6.8	6.8
VALKYRIE LS (PPG-TF-172)	7.2	6.3	6.6	6.7
REGENERATE	7.1	6.2	6.8	6.7
ROCKWELL (LTP-TWUU)	7.2	6.2	6.7	6.7
TRAVERSE 2 SRP (W45)	7.1	6.2	6.7	6.7
AVENGER II (PPG-TF-156)	7.1	6.2	6.7	6.7
MET 1	7.1	6.1	6.7	6.6
AMITY (CCR2)	7.1	6.2	6.7	6.6
GTO (BURL TF-2)	7.1	6.2	6.6	6.6
PST-5EX2	7.0	6.2	6.2	6.6
THOR (PPG-TF-157)	7.1	6.1	6.7	6.6
MET-3	7.1	6.2	6.6	6.6
TITANIUM 2LS (PPG-TF-152)	7.1	6.1	6.6	6.6
TECHNIQUE (RZ2)	7.0	6.1	6.7	6.6
MAESTRO (T31)	7.0	6.1	6.6	6.5
PPG-TF-135	7.0	6.1	6.6	6.5
REFLECTION (U45)	6.9	5.9	6.7	6.5
BIZEM	6.9	6.0	6.6	6.5
SALTILLO (PST-5SALT)	6.9	6.1	6.4	6.5
PARAMOUNT (PPG-TF-137)	6.9	6.0	6.5	6.5
SUPERSONIC (PPG-TF-170)	6.9	6.0	6.6	6.5
ATF 1704	6.9	6.0	6.4	6.5
PST-5BRK	6.9	6.1	6.4	6.5
LEONARDO (LTP-FSD)	6.9	6.0	6.5	6.5
BLOODHOUND (MET 6 SEL)	6.9	5.9	6.5	6.4
IS-TF 311	6.9	5.9	6.5	6.4
EMBRACE (PST-5EV2)	6.9	6.0	6.5	6.4
HEMI	6.8	5.9	6.6	6.4
IS-TF 308 SEL	6.8	5.9	6.6	6.4
CROSSFIRE 4 (IS-TF 310 SEL)	6.8	5.9	6.5	6.4
REBOUNDER (PICK-W43)	6.8	5.8	6.6	6.4
HOT ROD (BURL TF-136)	6.8	5.8	6.5	6.4
FIREBIRD 2	6.8	5.9	6.5	6.4
W41	6.8	5.9	6.6	6.4
ATF 1754	6.8	6.0	6.3	6.4
PST-5BP0	6.8	5.9	6.3	6.3
GRANDE 3	6.7	5.8	6.4	6.3
PPG-TF-169	6.7	5.8	6.4	6.3
WICHITA (PPG-TF-151)	6.8	5.9	6.4	6.3
SCREAMER LS (PPG-TF-148)	6.8	5.8	6.4	6.3
XTENDER (PPG-TF-139)	6.7	5.8	6.4	6.3
RHAMBLER 2 SRP (LSD)	6.7	5.8	6.3	6.3
PSG-PO1	6.6	5.7	6.5	6.3
HOUNDOG8 (IS-TF 307 SEL)	6.7	5.7	6.4	6.3
JS 916	6.6	5.7	6.4	6.2
ROWDY (SRX-TPC)	6.6	5.6	6.4	6.2
FIREWALL (PSG-WE1)	6.6	5.7	6.4	6.2
MICHELANGELO (LTP-F5DPDR)	6.6	5.7	6.4	6.2

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	VA1	NC1	IN1	MEAN
FAYETTE (IS-TF 291)	6.6	5.7	6.4	6.2
TEMPLE (DZ1)	6.6	5.6	6.4	6.2
FAITH	6.6	5.7	6.3	6.2
FIRECRACKER SLS (PPG-TF-105)	6.7	5.7	6.5	6.2
FESNOVA	6.6	5.7	6.3	6.2
CATALYST	6.6	5.7	6.2	6.2
PPG-TF-138	6.6	5.7	6.3	6.2
IS-TF 276 M2	6.5	5.7	6.2	6.1
REBEL V (ATF 1736)	6.5	5.6	6.2	6.1
BLACK TAIL (PPG-TF-150)	6.6	5.6	6.5	6.1
PPG-TF-115	6.5	5.7	6.2	6.1
IS-TF-287	6.4	5.5	6.2	6.0
SWAGGER (PST-5R05)	6.4	5.6	6.0	6.0
ATF 1612	6.4	5.4	6.3	6.0
TURFWAY (IS-TF 282 M2)	6.3	5.4	6.3	6.0
HOVER (BURL TF-69)	6.5	5.5	6.3	6.0
NIGHTCRAWLER (IS-TF 285)	6.4	5.4	6.2	6.0
DIABLO (IS-TF 330)	6.3	5.4	6.2	6.0
RHIZING MOON (IS-TF 305 SEL)	6.3	5.3	6.3	6.0
BULLSEYE	6.3	5.4	6.2	6.0
MERIDIAN (PST-5GRB)	6.3	5.4	6.1	6.0
B23	6.3	5.3	6.2	6.0
THUNDERSTRUCK (TD1)	6.3	5.4	6.2	5.9
PST-5MVD	6.4	5.5	6.2	5.9
CAESAR (TY 10)	6.3	5.4	6.1	5.9
FOXHOUND (IS-TF 284 M2)	6.3	5.3	6.2	5.9
K12-MCD	6.4	5.5	6.1	5.9
RAIN DANCE (PST-5SDT)	6.3	5.5	6.0	5.9
FALCON V	6.3	5.4	6.1	5.9
PSG-TT4	6.3	5.4	5.9	5.9
K12-05	6.2	5.3	6.1	5.9
IS-TF 269 SEL	6.2	5.2	6.2	5.9
KINGDOM (DB1)	6.2	5.2	6.1	5.9
TERRANO	6.2	5.3	6.0	5.8
PST-5DZP	6.1	5.2	6.0	5.8
RAD-TF-89	6.2	5.3	6.2	5.8
JS 809	6.1	5.3	5.9	5.8
PSG-GSD	6.1	5.2	5.9	5.7
DYNAMITE LS (PPG-TF-145)	6.1	5.2	6.0	5.7
TEMPTATION (OR-21)	6.0	5.1	5.9	5.7
IS-TF 272	5.9	5.0	6.0	5.6
INSPIRATION (PST-R5NW)	6.0	5.2	5.8	5.6
UNITUS (IS-TF 289)	5.9	5.0	5.9	5.6
RAD-TF-92	6.1	5.1	6.1	5.6
ARES (PPG-TF-142)	6.1	5.1	5.9	5.6
JS 818	5.9	5.0	5.9	5.6
AQUADUCT	6.0	5.1	5.6	5.6
BAR FA 121089	6.0	5.1	5.8	5.5
MEMPHIS (GO-DFR)	6.0	5.1	5.9	5.5
PSG-8BP2	5.9	5.0	5.7	5.5

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	VA1	NC1	IN1	MEAN
JS 819	5.8	4.9	5.8	5.5
OLYMPUS (RAD-TF-88)	6.0	5.0	6.0	5.5
FALCON IV	5.9	5.1	5.8	5.5
BAR FA 121095	5.9	5.0	5.9	5.5
FRONTLINE (EXP TF-09)	5.7	4.8	5.6	5.4
204 RES. BLK4	5.6	4.6	5.8	5.4
K12-13	5.7	4.7	5.7	5.3
JS 825	5.6	4.7	5.5	5.3
COMP. RES. SST	5.5	4.6	5.6	5.3
RAD-TF-83	5.7	4.8	5.8	5.3
BAR FA 120878	5.6	4.9	5.0	5.2
BAR FA 121091	5.6	4.7	5.6	5.1
ANNIHILATOR	5.3	4.4	5.5	5.1
MARAUDER	5.3	4.3	5.4	5.0
WARHAWK	5.1	4.2	5.3	4.9
KY-31	5.4	4.9	4.3	4.9
LSD VALUE	0.7	0.7	0.7	0.7
C.V. (%)	6.5	7.6	6.8	7.0

* 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 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MO1	NE1	MEAN
4TH MILLENNIUM SRP (U43)	5.9	5.3	5.6	5.6
RAPTOR III (ZW 44)	5.9	5.3	5.6	5.6
GTO (BURL TF-2)	6.0	5.3	5.6	5.6
F711	5.9	5.3	5.6	5.6
W41	5.9	5.2	5.6	5.6
MET 1	5.8	5.2	5.6	5.6
TECHNIQUE (RZ2)	5.9	5.2	5.6	5.6
MET-3	5.9	5.2	5.5	5.6
REGENERATE	5.8	5.2	5.6	5.5
BIZEM	5.9	5.2	5.6	5.5
MAESTRO (T31)	5.9	5.2	5.5	5.5
ROCKWELL (LTP-TWUU)	5.8	5.2	5.5	5.5
THOR (PPG-TF-157)	5.8	5.2	5.6	5.5
TRAVERSE 2 SRP (W45)	5.8	5.2	5.6	5.5
REBOUNDER (PICK-W43)	5.8	5.2	5.6	5.5
HEMI	5.8	5.2	5.6	5.5
SUPERSONIC (PPG-TF-170)	5.8	5.2	5.5	5.5
PSG-P01	5.8	5.1	5.6	5.5
TITANIUM 2LS (PPG-TF-152)	5.8	5.2	5.5	5.5
FIREWALL (PSG-WE1)	5.8	5.1	5.5	5.5
REFLECTION (U45)	5.7	5.2	5.6	5.5
PPG-TF-169	5.8	5.1	5.5	5.5
FAITH	5.9	5.1	5.5	5.5
AMITY (CCR2)	5.8	5.2	5.5	5.5
PPG-TF-135	5.8	5.2	5.5	5.5
AVENGER II (PPG-TF-156)	5.7	5.2	5.5	5.5
IS-TF 311	5.8	5.1	5.5	5.5
GRANDE 3	5.8	5.1	5.4	5.4
TURFWAY (IS-TF 282 M2)	5.8	5.1	5.5	5.4
WICHITA (PPG-TF-151)	5.8	5.1	5.4	5.4
HOT ROD (BURL TF-136)	5.7	5.1	5.5	5.4
FIREBIRD 2	5.7	5.1	5.5	5.4
ATF 1754	5.9	5.1	5.3	5.4
LEONARDO (LTP-FSD)	5.8	5.1	5.4	5.4
IS-TF 308 SEL	5.7	5.1	5.5	5.4
VALKYRIE LS (PPG-TF-172)	5.7	5.1	5.4	5.4
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	5.1	5.4	5.4
FIRECRACKER SLS (PPG-TF-105)	5.7	5.1	5.5	5.4
JS 916	5.7	5.0	5.4	5.4
BLOODHOUND (MET 6 SEL)	5.7	5.1	5.4	5.4
PARAMOUNT (PPG-TF-137)	5.7	5.1	5.4	5.4
SALTILLO (PST-5SALT)	5.8	5.1	5.3	5.4
MICHELANGELO (LTP-F5DPDR)	5.7	5.0	5.4	5.4
RHIZING MOON (IS-TF 305 SEL)	5.7	5.0	5.5	5.4
PST-5BRK	5.8	5.1	5.3	5.4
HOUNDOG8 (IS-TF 307 SEL)	5.7	5.0	5.4	5.4
EMBRACE (PST-5EV2)	5.7	5.1	5.4	5.4
SCREAMER LS (PPG-TF-148)	5.7	5.0	5.4	5.4
TEMPLE (DZ1)	5.7	5.0	5.5	5.4

TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MO1	NE1	MEAN
XTENDER (PPG-TF-139)	5.7	5.0	5.4	5.4
PST-5EX2	5.8	5.0	5.1	5.4
THUNDERSTRUCK (TD1)	5.7	5.0	5.4	5.4
BLACK TAIL (PPG-TF-150)	5.7	5.1	5.6	5.4
FAYETTE (IS-TF 291)	5.6	5.0	5.4	5.4
IS-TF 269 SEL	5.6	5.0	5.5	5.4
PPG-TF-138	5.7	5.0	5.4	5.4
FESNOVA	5.7	5.0	5.3	5.3
PST-5BPO	5.7	5.0	5.3	5.3
ATF 1704	5.7	5.0	5.3	5.3
PPG-TF-115	5.7	5.0	5.3	5.3
ATF 1612	5.6	5.0	5.4	5.3
DIABLO (IS-TF 330)	5.6	5.0	5.4	5.3
BULLSEYE	5.6	4.9	5.3	5.3
ROWDY (SRX-TPC)	5.5	5.0	5.4	5.3
FOXHOUND (IS-TF 284 M2)	5.6	4.9	5.4	5.3
HOVER (BURL TF-69)	5.6	5.0	5.4	5.3
REBEL V (ATF 1736)	5.6	4.9	5.3	5.3
RAD-TF-89	5.6	4.9	5.3	5.3
IS-TF 276 M2	5.7	4.9	5.2	5.3
PST-5MVD	5.6	4.9	5.3	5.3
K12-MCD	5.6	4.9	5.2	5.3
CAESAR (TY 10)	5.6	4.9	5.2	5.2
K12-05	5.6	4.9	5.3	5.2
FALCON IV	5.6	4.8	5.1	5.2
KINGDOM (DB1)	5.5	4.8	5.3	5.2
OLYMPUS (RAD-TF-88)	5.5	4.8	5.3	5.2
IS-TF-287	5.5	4.8	5.2	5.2
DYNAMITE LS (PPG-TF-145)	5.5	4.8	5.2	5.2
MEMPHIS (GO-DFR)	5.5	4.8	5.2	5.2
IS-TF 272	5.5	4.8	5.2	5.2
FALCON V	5.5	4.8	5.2	5.2
PSG-TT4	5.6	4.8	5.1	5.2
TERRANO	5.6	4.8	5.1	5.2
CATALYST	5.5	4.8	5.1	5.2
TEMPTATION (OR-21)	5.5	4.8	5.2	5.2
RAIN DANCE (PST-5SDT)	5.6	4.8	5.0	5.1
RAD-TF-92	5.5	4.8	5.3	5.1
RHAMBLER 2 SRP (LSD)	5.4	4.8	5.2	5.1
UNITUS (IS-TF 289)	5.4	4.7	5.2	5.1
NIGHTCRAWLER (IS-TF 285)	5.4	4.8	5.2	5.1
MERIDIAN (PST-5GRB)	5.4	4.8	5.2	5.1
B23	5.4	4.8	5.2	5.1
PSG-GSD	5.5	4.7	5.1	5.1
BAR FA 121095	5.5	4.7	5.1	5.1
ARES (PPG-TF-142)	5.5	4.7	5.1	5.1
JS 819	5.5	4.7	5.1	5.1
INSPIRATION (PST-R5NW)	5.5	4.7	5.0	5.1
PST-5DZP	5.4	4.7	5.1	5.1
RAD-TF-83	5.4	4.7	5.2	5.1

TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MO1	NE1	MEAN
JS 818	5.4	4.7	5.1	5.1
JS 809	5.5	4.7	5.0	5.0
SWAGGER (PST-5R05)	5.4	4.7	5.0	5.0
BAR FA 121091	5.4	4.6	5.0	5.0
BAR FA 121089	5.4	4.6	4.9	5.0
JS 825	5.4	4.6	4.9	4.9
K12-13	5.3	4.6	5.0	4.9
204 RES. BLK4	5.2	4.5	5.1	4.9
COMP. RES. SST	5.3	4.5	5.0	4.9
PSG-8BP2	5.3	4.5	4.9	4.9
FRONTLINE (EXP TF-09)	5.3	4.5	4.9	4.9
ANNIHILATOR	5.3	4.5	4.9	4.9
MARAUDER	5.2	4.4	4.9	4.8
AQUADUCT	5.3	4.5	4.7	4.8
WARHAWK	5.2	4.4	4.8	4.8
BAR FA 120878	5.2	4.2	4.2	4.7
KY-31	4.2	3.2	3.1	3.5
LSD VALUE	0.7	0.7	0.7	0.7
C.V. (%)	7.5	8.6	8.0	8.0

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

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										MEAN
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	TN1	
REGENERATE	6.8	5.9	7.0	7.3	5.8	6.3	5.5	8.1	6.1	7.5	6.6
MET 1	6.7	6.1	7.3	6.7	5.8	6.1	5.4	7.7	6.1	7.6	6.5
RAPTOR III (ZW 44)	6.4	5.8	7.0	6.8	6.1	6.6	5.6	7.5	5.4	7.6	6.5
4TH MILLENNIUM SRP (U43)	7.1	5.8	7.0	6.8	5.9	6.1	5.3	7.4	5.5	7.7	6.5
TECHNIQUE (RZ2)	6.9	5.7	7.1	6.5	6.1	6.1	5.6	7.6	5.3	7.5	6.4
AMITY (CCR2)	6.6	5.8	7.1	6.7	5.8	6.2	5.4	7.8	5.5	7.6	6.4
TRAVERSE 2 SRP (W45)	6.1	5.6	7.0	7.0	5.8	6.4	5.7	8.0	5.2	7.5	6.4
AVENGER II (PPG-TF-156)	6.1	6.0	6.9	6.6	5.8	6.0	5.6	7.4	6.4	7.6	6.4
BIZEM	6.3	5.9	7.1	6.4	5.9	6.3	5.6	7.5	5.3	7.9	6.4
REFLECTION (U45)	6.4	5.6	7.4	6.8	5.7	6.0	5.7	8.0	5.2	7.6	6.4
REBOUNDER (PICK-W43)	6.4	5.8	7.0	6.7	6.0	5.7	5.6	7.5	5.9	7.7	6.4
BLACK TAIL (PPG-TF-150)	6.8	5.5	6.9	6.3	5.8	6.2	5.3	8.2	5.3	7.7	6.4
ROCKWELL (LTP-TWUU)	6.6	5.7	6.9	6.5	6.0	5.9	5.5	7.1	6.0	7.6	6.4
IS-TF 308 SEL	6.1	5.9	7.0	6.6	5.7	5.9	5.6	7.6	5.6	7.7	6.4
F711	6.4	5.8	6.9	6.3	5.7	6.6	5.5	7.4	5.4	7.7	6.4
THOR (PPG-TF-157)	6.2	5.7	7.0	6.3	5.8	5.9	5.4	7.5	5.9	7.9	6.4
GTO (BURL TF-2)	6.5	6.0	7.0	6.7	5.8	6.3	5.6	6.6	5.3	7.7	6.3
MAESTRO (T31)	6.9	5.9	6.7	6.5	6.0	6.1	5.7	6.6	5.6	7.5	6.3
PPG-TF-135	6.4	5.6	7.0	6.3	5.8	6.1	5.6	7.1	5.7	7.6	6.3
FIRECRACKER SLS (PPG-TF-105)	6.6	5.5	7.3	6.1	5.7	5.8	5.5	7.0	5.9	7.8	6.3
TITANIUM 2LS (PPG-TF-152)	6.6	6.1	6.7	6.5	5.6	5.8	5.5	7.1	5.5	7.7	6.3
BLOODHOUND (MET 6 SEL)	6.2	5.7	6.9	6.6	5.5	6.1	5.9	7.3	5.4	7.6	6.3
ROWDY (SRX-TPC)	6.5	5.6	6.9	6.1	5.5	5.7	5.5	8.0	5.6	7.6	6.3
MET-3	6.5	5.6	7.0	6.5	5.7	6.3	5.6	6.5	5.6	7.6	6.3
W41	6.5	5.9	7.0	6.0	6.0	5.9	5.5	7.0	5.2	7.8	6.3
PSG-P01	6.9	6.0	6.9	6.4	5.9	5.7	5.5	6.7	5.6	7.4	6.3
TEMPLE (DZ1)	6.7	5.6	7.0	6.7	6.1	5.3	5.2	7.3	5.3	7.7	6.3
HOT ROD (BURL TF-136)	6.6	5.4	7.0	6.7	5.6	5.9	5.5	7.1	5.4	7.5	6.3
SUPERSONIC (PPG-TF-170)	6.6	5.7	6.7	6.8	5.9	5.6	5.4	6.6	5.6	7.7	6.3
FAYETTE (IS-TF 291)	6.4	5.8	7.2	6.3	5.8	5.3	5.4	7.0	5.7	7.7	6.3
HEMI	6.3	6.0	7.0	6.3	5.5	5.9	5.7	7.0	5.5	7.4	6.3
IS-TF 311	6.8	5.8	6.8	6.2	5.6	6.1	5.3	6.8	5.6	7.6	6.3
XTENDER (PPG-TF-139)	6.3	6.0	7.0	6.0	5.5	5.9	5.6	6.7	5.7	7.8	6.2
EMBRACE (PST-5EV2)	6.4	6.0	7.0	6.4	5.6	6.1	5.2	7.3	4.7	7.6	6.2
VALKYRIE LS (PPG-TF-172)	6.1	5.9	6.6	6.5	6.0	6.2	5.5	6.9	5.2	7.4	6.2
IS-TF 269 SEL	6.1	5.5	7.1	6.1	6.2	5.5	5.4	7.0	5.6	7.7	6.2
JS 916	6.3	5.9	7.0	6.3	6.1	5.4	5.4	7.0	5.4	7.6	6.2
LEONARDO (LTP-FSD)	6.4	5.7	6.8	6.4	6.1	6.3	5.4	6.5	5.0	7.5	6.2
PARAMOUNT (PPG-TF-137)	6.2	5.9	6.6	6.5	5.8	5.9	5.4	6.9	5.4	7.7	6.2
FIREBIRD 2	6.2	5.7	6.7	6.4	6.1	6.0	5.3	7.0	5.1	7.6	6.2
MICHELANGELO (LTP-F5DPDR)	6.1	5.9	6.9	6.1	6.0	6.1	5.3	6.9	5.1	7.6	6.2
SCREAMER LS (PPG-TF-148)	7.0	5.8	6.8	5.9	5.7	5.6	5.3	6.7	5.5	7.7	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	6.2	5.9	6.5	6.2	6.2	5.8	5.4	7.2	5.0	7.5	6.2
WICHITA (PPG-TF-151)	6.4	5.9	6.8	6.2	5.9	6.1	5.4	6.6	4.9	7.6	6.2

TABLE 5. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	TN1	MEAN
FIREWALL (PSG-WE1)	6.5	5.7	6.6	6.2	5.9	5.7	5.6	6.3	5.6	7.5	6.2
ATF 1612	6.5	5.4	7.0	6.1	5.9	5.6	5.4	6.7	5.2	7.5	6.1
FAITH	6.3	6.0	7.0	5.7	6.0	5.7	5.6	5.9	5.3	7.6	6.1
B23	6.4	5.3	6.8	5.9	5.3	5.4	5.6	7.4	5.6	7.4	6.1
ATF 1704	6.3	5.9	6.4	6.0	5.8	6.1	5.4	6.7	4.9	7.5	6.1
RAD-TF-92	6.4	5.4	6.8	5.6	6.0	5.5	5.4	7.4	5.0	7.4	6.1
KINGDOM (DB1)	6.2	5.5	7.0	6.0	6.1	5.4	5.2	7.1	4.8	7.4	6.1
TURFWAY (IS-TF 282 M2)	6.3	5.7	7.0	6.0	6.2	5.3	5.2	6.5	5.0	7.7	6.1
PPG-TF-169	6.4	6.1	6.6	6.2	5.9	5.5	5.5	6.5	4.8	7.4	6.1
GRANDE 3	6.5	5.6	6.5	5.9	5.9	5.9	5.5	6.3	5.0	7.5	6.1
MERIDIAN (PST-5GRB)	5.9	5.6	6.7	5.6	6.0	5.4	5.7	7.3	5.0	7.5	6.1
DIABLO (IS-TF 330)	6.4	5.4	7.0	5.9	5.5	5.6	5.5	6.8	5.0	7.7	6.1
HOUNDG8 (IS-TF 307 SEL)	6.1	5.7	7.1	5.8	5.7	5.6	5.3	7.0	4.8	7.5	6.1
FESNOVA	6.2	5.8	7.0	6.2	5.8	5.8	5.0	6.3	4.7	7.6	6.1
RHAMBLER 2 SRP (LSD)	6.2	5.5	6.8	6.0	5.1	5.4	5.2	7.6	4.9	7.7	6.1
HOVER (BURL TF-69)	6.6	5.3	6.5	6.2	6.0	5.4	5.3	6.8	5.1	7.4	6.1
RHIZING MOON (IS-TF 305 SEL)	6.1	5.8	6.9	6.0	5.6	5.5	5.4	6.8	4.7	7.7	6.0
SALTILLO (PST-5SALT)	5.8	5.8	6.8	6.0	5.9	6.0	5.2	6.3	5.0	7.6	6.0
PPG-TF-138	6.0	5.7	7.1	6.0	5.6	5.3	5.2	6.3	5.6	7.7	6.0
FOXHOUND (IS-TF 284 M2)	5.7	5.4	7.2	6.0	6.0	5.2	5.2	6.8	5.1	7.6	6.0
RAD-TF-89	6.4	5.6	7.1	6.0	5.8	5.2	5.6	6.1	5.0	7.4	6.0
BULLSEYE	6.1	5.5	7.1	5.9	5.6	5.4	5.7	6.4	4.9	7.6	6.0
PST-5BP0	6.0	5.9	6.8	6.0	5.8	6.1	5.3	6.0	4.7	7.3	6.0
THUNDERSTRUCK (TD1)	6.4	5.8	7.1	5.9	5.7	5.3	5.6	5.6	4.9	7.6	6.0
REBEL V (ATF 1736)	6.2	5.8	6.8	5.9	5.8	5.7	5.2	6.0	4.9	7.4	6.0
K12-05	6.2	5.8	6.9	5.8	5.9	4.9	5.2	6.4	4.9	7.6	6.0
IS-TF-287	6.1	5.3	6.6	5.7	5.6	5.5	5.5	6.2	5.5	7.5	6.0
PST-5MVD	6.2	5.8	6.6	5.7	5.8	5.6	5.5	6.1	4.7	7.6	5.9
K12-MCD	6.2	5.8	6.6	5.9	5.9	5.6	5.0	6.0	4.8	7.6	5.9
ATF 1754	6.1	6.0	6.6	5.7	5.9	5.8	5.5	5.4	4.9	7.4	5.9
NIGHTCRAWLER (IS-TF 285)	5.9	5.6	6.8	6.0	5.3	4.8	5.4	7.0	4.9	7.6	5.9
FALCON V	6.6	5.8	7.1	5.2	4.8	5.2	5.4	6.2	5.0	7.5	5.9
PPG-TF-115	6.0	5.8	6.9	5.8	5.8	5.3	5.1	5.7	4.9	7.7	5.9
UNITUS (IS-TF 289)	6.3	5.7	7.0	5.7	5.5	4.8	5.2	6.0	5.1	7.4	5.9
CAESAR (TY 10)	6.2	5.6	7.0	5.9	5.7	5.7	5.2	5.9	4.1	7.4	5.9
IS-TF 272	5.9	5.3	7.2	5.5	5.8	5.0	5.2	6.5	4.8	7.5	5.9
CATALYST	6.3	4.9	7.0	5.4	5.2	5.6	5.4	6.4	5.0	7.4	5.9
OLYMPUS (RAD-TF-88)	6.6	5.7	6.7	5.2	5.5	4.9	5.5	6.7	4.5	7.4	5.9
PST-5BRK	5.8	5.8	6.8	5.8	5.4	6.1	5.2	5.5	4.3	7.5	5.8
BAR FA 121095	6.1	5.9	6.7	5.3	6.0	4.9	5.3	5.8	4.8	7.5	5.8
IS-TF 276 M2	6.2	5.6	6.8	6.0	5.7	5.2	5.2	5.7	4.2	7.5	5.8
204 RES. BLK4	6.5	5.4	6.1	5.2	5.6	5.0	5.2	7.4	4.0	7.7	5.8
MEMPHIS (GO-DFR)	5.9	5.5	7.0	5.5	5.9	5.2	5.0	6.0	4.3	7.5	5.8
PST-5DZP	6.2	5.5	6.7	5.5	5.4	4.8	5.3	6.4	4.4	7.5	5.8
JS 818	6.3	4.6	7.1	5.6	5.6	5.1	5.0	6.1	4.5	7.5	5.8

TABLE 5. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										MEAN
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	TN1	
PST-5EX2	6.0	5.7	6.4	5.9	6.0	6.7	4.7	4.9	3.7	7.6	5.7
DYNAMITE LS (PPG-TF-145)	6.4	5.7	7.1	5.1	5.1	4.8	5.0	6.2	4.4	7.6	5.7
TERRANO	6.5	5.5	7.0	5.0	5.5	5.4	5.0	5.7	4.1	7.6	5.7
ARES (PPG-TF-142)	6.3	5.6	7.1	5.0	5.1	5.0	5.1	6.1	4.5	7.5	5.7
PSG-GSD	6.2	5.4	6.8	4.9	5.7	5.1	5.3	5.6	4.4	7.6	5.7
TEMPTATION (OR-21)	5.7	5.2	7.2	5.3	5.0	5.6	5.2	6.1	4.0	7.5	5.7
SWAGGER (PST-5R05)	5.8	5.4	6.7	5.5	5.4	5.6	5.2	5.8	4.0	7.6	5.7
RAD-TF-83	5.9	5.2	7.0	5.1	5.9	4.7	5.0	5.7	4.8	7.3	5.7
RAIN DANCE (PST-5SDT)	5.7	5.7	6.8	4.8	5.8	6.0	4.9	5.3	4.1	7.3	5.6
JS 809	6.0	5.4	6.7	5.0	5.6	5.6	5.1	5.6	3.7	7.2	5.6
K12-13	5.9	5.6	6.8	4.9	5.5	5.0	4.9	6.1	3.8	7.3	5.6
JS 819	6.4	5.3	6.7	5.1	5.6	4.9	5.0	5.3	4.2	7.3	5.6
PSG-TT4	6.0	5.5	6.5	5.2	5.8	5.2	4.8	4.6	4.4	7.5	5.6
INSPIRATION (PST-R5NW)	6.0	5.6	6.9	4.8	5.6	5.1	5.1	5.1	3.9	7.5	5.5
FALCON IV	6.4	5.5	7.0	4.7	5.7	4.8	5.0	5.0	3.6	7.4	5.5
BAR FA 121089	5.8	5.2	6.4	5.0	5.6	5.4	4.8	5.2	4.3	7.5	5.5
COMP. RES. SST	5.7	5.6	6.7	5.3	5.4	4.6	5.1	5.6	3.6	7.4	5.5
PSG-8BP2	6.0	5.5	6.7	5.0	5.4	4.8	4.7	5.0	4.3	7.3	5.5
BAR FA 121091	5.9	5.1	6.6	5.3	5.8	4.6	5.0	4.8	4.0	7.4	5.5
FRONTLINE (EXP TF-09)	5.8	5.1	6.8	4.6	5.5	4.8	4.9	5.3	3.7	7.4	5.4
ANNIHILATOR	6.4	5.2	6.0	4.9	5.5	4.4	5.0	4.9	3.9	7.4	5.4
MARAUDER	6.3	5.4	6.2	4.4	5.4	4.3	4.9	5.3	3.7	7.5	5.3
JS 825	5.5	5.4	7.0	4.7	5.7	4.8	4.8	4.6	3.4	7.3	5.3
AQUADUCT	6.1	4.7	6.1	4.6	5.5	5.4	4.9	4.6	3.2	7.4	5.3
WARHAWK	6.3	5.4	6.5	4.1	5.6	4.3	4.6	4.6	3.3	7.4	5.2
BAR FA 120878	4.9	5.2	6.1	3.6	5.1	4.5	4.4	1.9	1.9	7.2	4.5
KY-31	4.1	4.3	4.8	2.5	4.4	5.2	3.2	1.0	1.2	6.0	3.7
LSD VALUE	0.6	0.7	0.5	0.5	0.6	0.8	0.4	1.0	0.7	0.3	0.2
C.V. (%)	5.9	7.7	5.0	5.8	6.2	9.5	4.7	9.9	9.5	2.4	6.8

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

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

* SCHEDULE A (MEDIUM MAINTENANCE)

1. MOWING HEIGHT: 2.0" TO 3.0"

2. NITROGEN RATE: 0.25 - 0.5 LBS. N/1000 SQ. FT./GROWING MONTH (USE 3-6 APPLICATIONS PER YEAR - NOT MONTHLY APPLICATIONS)

3. IRRIGATION: 80 - 95% POTENTIAL ET;

4. FUNGICIDE AND INSECTICIDE USE ONLY IF SEVERE STAND LOSS IS POSSIBLE

5. WEED CONTROL TO PREVENT STAND LOSS

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT SIX LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE B" *
 2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
F711	6.7	6.9	6.9	7.6	5.4	7.7	6.8
4TH MILLENNIUM SRP (U43)	6.5	6.9	7.0	7.5	5.5	7.4	6.8
RAPTOR III (ZW 44)	6.8	7.3	6.6	7.5	5.2	7.3	6.8
THOR (PPG-TF-157)	6.7	6.8	6.7	7.6	5.5	7.2	6.7
W41	6.7	7.3	6.6	7.7	5.2	6.9	6.7
TRAVERSE 2 SRP (W45)	6.3	7.1	6.4	7.7	5.8	7.1	6.7
HEMI	6.4	7.4	7.1	7.5	5.3	6.6	6.7
REGENERATE	6.6	7.0	7.2	7.5	5.1	6.7	6.7
REFLECTION (U45)	6.8	7.1	6.7	7.5	5.0	6.9	6.7
TITANIUM 2LS (PPG-TF-152)	6.8	6.9	6.6	7.4	5.3	7.2	6.7
SUPERSONIC (PPG-TF-170)	6.4	7.4	6.4	7.5	5.0	7.4	6.7
MET 1	6.3	7.1	6.3	7.3	5.5	7.3	6.7
ROCKWELL (LTP-TWUU)	6.5	6.8	6.6	7.4	5.1	7.5	6.7
REBOUNDER (PICK-W43)	7.0	7.3	6.4	7.5	5.1	6.7	6.7
TECHNIQUE (RZ2)	6.6	7.2	6.7	7.3	4.8	7.3	6.7
PPG-TF-169	6.0	7.4	6.6	7.5	5.3	7.1	6.6
GTO (BURL TF-2)	6.4	7.2	6.4	7.3	5.5	6.9	6.6
MET-3	6.1	7.1	6.7	7.4	5.5	6.9	6.6
PPG-TF-135	6.7	6.9	6.4	7.4	5.4	6.9	6.6
AMITY (CCR2)	6.5	6.7	6.3	7.6	5.3	7.3	6.6
AVENGER II (PPG-TF-156)	6.5	6.8	6.8	7.4	5.1	7.0	6.6
FIREWALL (PSG-WE1)	6.1	7.7	6.6	7.4	5.3	6.6	6.6
BIZEM	6.3	7.1	6.7	7.3	5.3	6.8	6.6
HOT ROD (BURL TF-136)	5.9	7.4	6.4	7.5	5.1	7.1	6.6
IS-TF 311	6.5	7.0	6.6	7.6	5.0	6.7	6.5
FIREBIRD 2	6.0	7.3	6.7	7.4	5.0	6.8	6.5
BLACK TAIL (PPG-TF-150)	6.5	7.5	6.5	7.6	4.8	6.3	6.5
MAESTRO (T31)	6.4	7.0	6.7	7.3	5.3	6.6	6.5
HOUNDOG8 (IS-TF 307 SEL)	6.1	7.0	6.8	7.3	5.0	7.0	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	6.8	6.8	6.1	7.4	5.2	6.9	6.5
PST-5BRK	6.3	7.3	6.2	7.1	4.7	7.4	6.5
IS-TF 308 SEL	6.3	6.9	6.7	7.5	5.1	6.6	6.5
GRANDE 3	6.2	7.0	6.4	7.3	5.6	6.6	6.5
PSG-P01	6.4	7.2	6.4	7.3	5.3	6.4	6.5
SALTILLO (PST-5SALT)	6.2	7.0	6.4	7.2	5.0	7.2	6.5
PPG-TF-138	6.4	7.0	6.4	7.1	5.1	6.8	6.5
PARAMOUNT (PPG-TF-137)	6.1	6.8	6.9	7.3	5.0	6.8	6.5
HOVER (BURL TF-69)	6.1	7.3	6.3	7.4	5.2	6.6	6.5
BLOODHOUND (MET 6 SEL)	6.3	7.0	6.5	7.4	5.0	6.7	6.5
RHIZING MOON (IS-TF 305 SEL)	6.3	7.4	6.1	7.2	5.8	6.0	6.5
TURFWAY (IS-TF 282 M2)	6.0	7.5	6.2	7.4	5.0	6.6	6.5
VALKYRIE LS (PPG-TF-172)	6.4	6.6	6.3	7.2	4.9	7.3	6.5
ATF 1754	5.8	7.1	6.4	7.3	4.8	7.2	6.4
WICHITA (PPG-TF-151)	6.3	7.2	6.6	7.1	4.9	6.5	6.4

TABLE 6. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT SIX LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE B" *
 2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	CT1	IL1	IN1	KY1	MO1	VA1	
FIRECRACKER SLS (PPG-TF-105)	6.7	7.0	6.4	7.0	5.0	6.4	6.4
ROWDY (SRX-TPC)	6.3	6.9	6.6	7.0	5.1	6.6	6.4
EMBRACE (PST-5EV2)	6.0	6.9	6.6	7.3	4.7	6.9	6.4
FOXHOUND (IS-TF 284 M2)	6.2	7.6	6.4	7.1	4.6	6.6	6.4
JS 916	5.6	7.0	6.3	7.4	5.0	7.1	6.4
TEMPLE (DZ1)	5.8	7.1	6.5	7.0	4.9	7.0	6.4
ATF 1704	6.0	6.5	6.5	7.2	5.1	6.8	6.4
FAITH	6.3	6.9	6.0	7.3	5.3	6.4	6.4
DIABLO (IS-TF 330)	6.3	7.0	6.5	7.4	5.0	5.9	6.4
SCREAMER LS (PPG-TF-148)	6.1	6.3	6.6	7.2	5.1	6.8	6.3
MICHELANGELO (LTP-F5DPDR)	6.2	7.2	6.2	7.3	4.8	6.2	6.3
PST-5BPO	6.0	6.9	6.2	7.2	5.0	6.7	6.3
PPG-TF-115	6.5	6.9	6.1	7.3	4.6	6.7	6.3
OLYMPUS (RAD-TF-88)	6.1	7.4	6.2	7.4	4.6	6.3	6.3
FAYETTE (IS-TF 291)	6.4	6.5	6.3	7.2	4.8	6.6	6.3
FESNOVA	6.1	7.1	6.3	7.1	4.8	6.5	6.3
LEONARDO (LTP-FSD)	6.3	6.7	6.1	7.1	5.1	6.7	6.3
XTENDER (PPG-TF-139)	5.7	6.9	6.6	7.1	4.6	6.9	6.3
IS-TF 269 SEL	6.0	7.5	6.3	7.3	4.8	5.8	6.3
BULLSEYE	6.5	6.7	6.2	7.3	5.3	5.8	6.3
DYNAMITE LS (PPG-TF-145)	6.0	6.7	6.2	7.1	5.0	6.6	6.3
IS-TF 276 M2	5.9	6.3	6.1	7.1	5.5	6.7	6.3
CATALYST	6.3	6.1	6.7	6.9	4.9	6.7	6.3
RHAMBLER 2 SRP (LSD)	6.3	5.9	6.5	6.8	5.3	6.8	6.3
NIGHTCRAWLER (IS-TF 285)	6.0	6.4	6.4	7.1	4.8	6.7	6.2
ATF 1612	5.7	7.0	6.4	7.2	4.8	6.2	6.2
REBEL V (ATF 1736)	5.8	7.1	6.1	7.3	4.5	6.7	6.2
THUNDERSTRUCK (TD1)	5.8	7.2	6.4	7.3	4.3	6.3	6.2
RAD-TF-89	5.7	7.1	6.0	7.3	4.6	6.5	6.2
TEMPTATION (OR-21)	5.4	7.1	5.8	7.2	5.8	5.8	6.2
PST-5MVD	6.1	6.9	6.4	6.9	4.6	6.1	6.2
IS-TF-287	6.1	6.6	5.7	7.2	5.0	6.4	6.2
K12-MCD	6.4	6.7	6.3	7.0	4.7	5.8	6.1
K12-05	5.6	6.6	6.2	7.1	5.0	6.3	6.1
B23	6.2	6.1	6.4	7.1	5.1	5.8	6.1
IS-TF 272	5.6	7.1	5.9	7.2	4.8	6.1	6.1
PSG-TT4	6.0	6.6	6.3	7.0	4.5	6.2	6.1
KINGDOM (DB1)	5.9	7.0	5.9	7.3	4.4	6.2	6.1
RAD-TF-92	5.5	6.9	6.0	7.3	4.9	6.0	6.1
PST-5EX2	6.0	6.1	6.1	6.9	4.9	6.5	6.1
CAESAR (TY 10)	5.5	7.0	5.8	7.1	4.9	6.2	6.1
FALCON V	6.1	6.0	6.1	7.1	4.8	6.4	6.1
FALCON IV	6.2	6.5	5.6	6.8	5.3	6.0	6.1
ARES (PPG-TF-142)	5.9	6.4	6.1	7.0	4.8	6.2	6.1
MEMPHIS (GO-DFR)	5.3	7.1	6.2	6.8	5.0	5.8	6.0

TABLE 6. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT SIX LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE B" *
 2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	CT1	IL1	IN1	KY1	MO1	VA1	
PST-5DZP	5.9	6.4	6.2	6.8	4.6	6.3	6.0
RAD-TF-83	5.8	7.0	5.6	7.2	4.8	5.8	6.0
JS 819	5.7	7.1	5.9	6.9	4.7	5.8	6.0
UNITUS (IS-TF 289)	6.0	6.9	5.8	7.1	4.4	5.8	6.0
RAIN DANCE (PST-5SDT)	5.5	6.5	6.1	7.0	4.8	6.0	6.0
JS 818	5.8	6.6	6.1	7.0	4.6	5.7	6.0
TERRANO	5.7	6.3	6.1	6.7	4.8	6.2	6.0
MERIDIAN (PST-5GRB)	5.3	6.3	6.1	6.9	4.8	6.4	6.0
PSG-GSD	6.0	6.1	6.2	6.7	4.7	5.8	5.9
JS 809	5.3	6.8	5.7	6.9	4.3	6.5	5.9
SWAGGER (PST-5R05)	5.7	5.8	5.8	6.7	4.9	6.4	5.9
BAR FA 121091	5.3	6.9	5.9	7.0	5.0	5.3	5.9
BAR FA 121089	5.3	6.8	5.6	6.8	4.4	6.0	5.8
BAR FA 121095	5.3	6.4	5.9	6.9	4.6	5.8	5.8
INSPIRATION (PST-R5NW)	5.2	6.1	5.7	6.9	4.7	6.3	5.8
204 RES. BLK4	5.4	6.9	5.3	6.9	4.5	5.8	5.8
K12-13	5.1	6.7	5.6	7.0	4.3	5.8	5.8
FRONTLINE (EXP TF-09)	5.3	6.2	5.9	6.8	4.4	5.7	5.7
COMP. RES. SST	5.2	6.9	5.4	6.8	4.4	5.6	5.7
PSG-8BP2	5.8	5.9	5.7	6.8	4.6	5.6	5.7
JS 825	5.0	6.8	5.4	6.5	4.6	5.7	5.7
ANNIHILATOR	5.6	6.9	5.3	6.6	4.6	5.1	5.7
AQUADUCT	5.0	6.1	6.1	6.4	4.1	5.9	5.6
MARAUDER	4.9	6.7	5.2	6.7	4.5	5.6	5.6
WARHAWK	4.8	6.6	5.2	6.5	4.3	5.2	5.4
BAR FA 120878	4.7	5.0	4.9	6.1	4.3	5.7	5.1
KY-31	3.5	3.2	4.2	4.0	3.3	5.1	3.9
LSD VALUE	0.8	0.8	0.6	0.4	0.7	0.9	0.3
C.V. (%)	8.5	7.0	6.2	3.2	8.4	8.8	7.1

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

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

*/ SCHEDULE B (LOW MAINTENANCE)

1. MOWING HEIGHT: 2.5" TO 3.5"
2. NITROGEN RATE: 0 - 0.25 LBS. N/1000 SQ. FT./GROWING MONTH (USE 2-4 APPLICATIONS PER YEAR - NOT MONTHLY APPLICATIONS)
3. IRRIGATION: 50 - 65% POTENTIAL ET;
4. NO FUNGICIDES OR INSECTICIDES USED
5. MINIMUM WEED CONTROL TO PREVENT STAND LOSS

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2016 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
REGENERATE	6.6	8.1	6.1	6.9
AVENGER II (PPG-TF-156)	6.5	7.4	6.4	6.8
REBOUNDER (PICK-W43)	7.0	7.5	5.9	6.8
MET 1	6.3	7.7	6.1	6.7
THOR (PPG-TF-157)	6.7	7.5	5.9	6.7
REFLECTION (U45)	6.8	8.0	5.2	6.7
BLACK TAIL (PPG-TF-150)	6.5	8.2	5.3	6.7
ROWDY (SRX-TPC)	6.3	8.0	5.6	6.6
AMITY (CCR2)	6.5	7.8	5.5	6.6
RAPTOR III (ZW 44)	6.8	7.5	5.4	6.6
ROCKWELL (LTP-TWUU)	6.5	7.1	6.0	6.6
TECHNIQUE (RZ2)	6.6	7.6	5.3	6.5
IS-TF 308 SEL	6.3	7.6	5.6	6.5
FIRECRACKER SLS (PPG-TF-105)	6.7	7.0	5.9	6.5
TITANIUM 2LS (PPG-TF-152)	6.8	7.1	5.5	6.5
4TH MILLENNIUM SRP (U43)	6.5	7.4	5.5	6.5
TRAVERSE 2 SRP (W45)	6.3	8.0	5.2	6.5
PPG-TF-135	6.7	7.1	5.7	6.5
F711	6.7	7.4	5.4	6.5
BIZEM	6.3	7.5	5.3	6.4
B23	6.2	7.4	5.6	6.4
FAYETTE (IS-TF 291)	6.4	7.0	5.7	6.3
W41	6.7	7.0	5.2	6.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.8	7.2	5.0	6.3
HEMI	6.4	7.0	5.5	6.3
IS-TF 311	6.5	6.8	5.6	6.3
BLOODHOUND (MET 6 SEL)	6.3	7.3	5.4	6.3
RHAMBLER 2 SRP (LSD)	6.3	7.6	4.9	6.3
MAESTRO (T31)	6.4	6.6	5.6	6.2
IS-TF 269 SEL	6.0	7.0	5.6	6.2
PSG-P01	6.4	6.7	5.6	6.2
SUPERSONIC (PPG-TF-170)	6.4	6.6	5.6	6.2
VALKYRIE LS (PPG-TF-172)	6.4	6.9	5.2	6.2
HOT ROD (BURL TF-136)	5.9	7.1	5.4	6.2
PARAMOUNT (PPG-TF-137)	6.1	6.9	5.4	6.1
TEMPLE (DZ1)	5.8	7.3	5.3	6.1
GTO (BURL TF-2)	6.4	6.6	5.3	6.1
PPG-TF-138	6.4	6.3	5.6	6.1
SCREAMER LS (PPG-TF-148)	6.1	6.7	5.5	6.1
MET-3	6.1	6.5	5.6	6.1
MICHELANGELO (LTP-F5DPDR)	6.2	6.9	5.1	6.1
FIREBIRD 2	6.0	7.0	5.1	6.1
DIABLO (IS-TF 330)	6.3	6.8	5.0	6.0
FOXHOUND (IS-TF 284 M2)	6.2	6.8	5.1	6.0

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2016 DATA

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

NAME	CT1	NJ1	NJ2	MEAN
XTENDER (PPG-TF-139)	5.7	6.7	5.7	6.0
EMBRACE (PST-5EV2)	6.0	7.3	4.7	6.0
HOVER (BURL TF-69)	6.1	6.8	5.1	6.0
FIREWALL (PSG-WE1)	6.1	6.3	5.6	6.0
JS 916	5.6	7.0	5.4	6.0
RAD-TF-92	5.5	7.4	5.0	6.0
RHIZING MOON (IS-TF 305 SEL)	6.3	6.8	4.7	6.0
NIGHTCRAWLER (IS-TF 285)	6.0	7.0	4.9	6.0
HOUND0G8 (IS-TF 307 SEL)	6.1	7.0	4.8	5.9
IS-TF-287	6.1	6.2	5.5	5.9
KINGDOM (DB1)	5.9	7.1	4.8	5.9
WICHITA (PPG-TF-151)	6.3	6.6	4.9	5.9
BULLSEYE	6.5	6.4	4.9	5.9
LEONARDO (LTP-FSD)	6.3	6.5	5.0	5.9
CATALYST	6.3	6.4	5.0	5.9
ATF 1612	5.7	6.7	5.2	5.9
MERIDIAN (PST-5GRB)	5.3	7.3	5.0	5.9
GRANDE 3	6.2	6.3	5.0	5.8
ATF 1704	6.0	6.7	4.9	5.8
FAITH	6.3	5.9	5.3	5.8
TURFWAY (IS-TF 282 M2)	6.0	6.5	5.0	5.8
SALTILLO (PST-5SALT)	6.2	6.3	5.0	5.8
FALCON V	6.1	6.2	5.0	5.8
OLYMPUS (RAD-TF-88)	6.1	6.7	4.5	5.8
PPG-TF-169	6.0	6.5	4.8	5.7
FESNOVA	6.1	6.3	4.7	5.7
UNITUS (IS-TF 289)	6.0	6.0	5.1	5.7
K12-MCD	6.4	6.0	4.8	5.7
PPG-TF-115	6.5	5.7	4.9	5.7
IS-TF 272	5.6	6.5	4.8	5.6
PST-5MVD	6.1	6.1	4.7	5.6
K12-05	5.6	6.4	4.9	5.6
RAD-TF-89	5.7	6.1	5.0	5.6
PST-5BPO	6.0	6.0	4.7	5.6
DYNAMITE LS (PPG-TF-145)	6.0	6.2	4.4	5.6
204 RES. BLK4	5.4	7.4	4.0	5.6
PST-5DZP	5.9	6.4	4.4	5.6
REBEL V (ATF 1736)	5.8	6.0	4.9	5.6
ARES (PPG-TF-142)	5.9	6.1	4.5	5.5
JS 818	5.8	6.1	4.5	5.5
RAD-TF-83	5.8	5.7	4.8	5.4
THUNDERSTRUCK (TD1)	5.8	5.6	4.9	5.4
PST-5BRK	6.3	5.5	4.3	5.4
ATF 1754	5.8	5.4	4.9	5.4
PSG-GSD	6.0	5.6	4.4	5.3

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	CT1	NJ1	NJ2	MEAN
IS-TF 276 M2	5.9	5.7	4.2	5.3
BAR FA 121095	5.3	5.8	4.8	5.3
TEMPTATION (OR-21)	5.4	6.1	4.0	5.2
MEMPHIS (GO-DFR)	5.3	6.0	4.3	5.2
CAESAR (TY 10)	5.5	5.9	4.1	5.2
TERRANO	5.7	5.7	4.1	5.2
SWAGGER (PST-5R05)	5.7	5.8	4.0	5.2
JS 819	5.7	5.3	4.2	5.1
PSG-8BP2	5.8	5.0	4.3	5.0
PSG-TT4	6.0	4.6	4.4	5.0
K12-13	5.1	6.1	3.8	5.0
RAIN DANCE (PST-5SDT)	5.5	5.3	4.1	5.0
BAR FA 121089	5.3	5.2	4.3	5.0
FALCON IV	6.2	5.0	3.6	4.9
JS 809	5.3	5.6	3.7	4.8
PST-5EX2	6.0	4.9	3.7	4.8
ANNIHILATOR	5.6	4.9	3.9	4.8
COMP. RES. SST	5.2	5.6	3.6	4.8
FRONTLINE (EXP TF-09)	5.3	5.3	3.7	4.8
INSPIRATION (PST-R5NW)	5.2	5.1	3.9	4.7
BAR FA 121091	5.3	4.8	4.0	4.7
MARAUDER	4.9	5.3	3.7	4.7
JS 825	5.0	4.6	3.4	4.4
AQUADUCT	5.0	4.6	3.2	4.3
WARHAWK	4.8	4.6	3.3	4.2
BAR FA 120878	4.7	1.9	1.9	2.8
KY-31	3.5	1.0	1.2	1.9
LSD VALUE	0.8	1.0	0.7	0.5
C.V. (%)	8.5	9.9	9.5	9.4

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

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

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE TRANSITION REGION
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	KY1	MD1	MO1	NC1	TN1	VA1	
TRAVERSE 2 SRP (W45)	7.7	7.0	5.8	6.4	7.5	7.1	6.9
F711	7.6	6.3	5.4	6.6	7.7	7.7	6.9
4TH MILLENNIUM SRP (U43)	7.5	6.8	5.5	6.1	7.7	7.4	6.8
RAPTOR III (ZW 44)	7.5	6.8	5.2	6.6	7.6	7.3	6.8
AMITY (CCR2)	7.6	6.7	5.3	6.2	7.6	7.3	6.8
MET 1	7.3	6.7	5.5	6.1	7.6	7.3	6.7
GTO (BURL TF-2)	7.3	6.7	5.5	6.3	7.7	6.9	6.7
REGENERATE	7.5	7.3	5.1	6.3	7.5	6.7	6.7
THOR (PPG-TF-157)	7.6	6.3	5.5	5.9	7.9	7.2	6.7
MET-3	7.4	6.5	5.5	6.3	7.6	6.9	6.7
ROCKWELL (LTP-TWUU)	7.4	6.5	5.1	5.9	7.6	7.5	6.7
BIZEM	7.3	6.4	5.3	6.3	7.9	6.8	6.7
SUPERSONIC (PPG-TF-170)	7.5	6.8	5.0	5.6	7.7	7.4	6.7
TITANIUM 2LS (PPG-TF-152)	7.4	6.5	5.3	5.8	7.7	7.2	6.6
REFLECTION (U45)	7.5	6.8	5.0	6.0	7.6	6.9	6.6
HOT ROD (BURL TF-136)	7.5	6.7	5.1	5.9	7.5	7.1	6.6
AVENGER II (PPG-TF-156)	7.4	6.6	5.1	6.0	7.6	7.0	6.6
PPG-TF-135	7.4	6.3	5.4	6.1	7.6	6.9	6.6
VALKYRIE LS (PPG-TF-172)	7.2	6.5	4.9	6.2	7.4	7.3	6.6
W41	7.7	6.0	5.2	5.9	7.8	6.9	6.6
TECHNIQUE (RZ2)	7.3	6.5	4.8	6.1	7.5	7.3	6.6
REBOUNDER (PICK-W43)	7.5	6.7	5.1	5.7	7.7	6.7	6.6
IS-TF 308 SEL	7.5	6.6	5.1	5.9	7.7	6.6	6.6
BLOODHOUND (MET 6 SEL)	7.4	6.6	5.0	6.1	7.6	6.7	6.6
MAESTRO (T31)	7.3	6.5	5.3	6.1	7.5	6.6	6.5
FIREBIRD 2	7.4	6.4	5.0	6.0	7.6	6.8	6.5
PARAMOUNT (PPG-TF-137)	7.3	6.5	5.0	5.9	7.7	6.8	6.5
IS-TF 311	7.6	6.2	5.0	6.1	7.6	6.7	6.5
SALTILLO (PST-5SALT)	7.2	6.0	5.0	6.0	7.6	7.2	6.5
HEMI	7.5	6.3	5.3	5.9	7.4	6.6	6.5
LEONARDO (LTP-FSD)	7.1	6.4	5.1	6.3	7.5	6.7	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	7.4	6.2	5.2	5.8	7.5	6.9	6.5
BLACK TAIL (PPG-TF-150)	7.6	6.3	4.8	6.2	7.7	6.3	6.5
EMBRACE (PST-5EV2)	7.3	6.4	4.7	6.1	7.6	6.9	6.5
PPG-TF-169	7.5	6.2	5.3	5.5	7.4	7.1	6.5
ATF 1704	7.2	6.0	5.1	6.1	7.5	6.8	6.5
JS 916	7.4	6.3	5.0	5.4	7.6	7.1	6.5
GRANDE 3	7.3	5.9	5.6	5.9	7.5	6.6	6.5
PST-5BRK	7.1	5.8	4.7	6.1	7.5	7.4	6.4
FIREWALL (PSG-WE1)	7.4	6.2	5.3	5.7	7.5	6.6	6.4
TEMPLE (DZ1)	7.0	6.7	4.9	5.3	7.7	7.0	6.4
PSG-PO1	7.3	6.4	5.3	5.7	7.4	6.4	6.4
PST-5EX2	6.9	5.9	4.9	6.7	7.6	6.5	6.4
WICHITA (PPG-TF-151)	7.1	6.2	4.9	6.1	7.6	6.5	6.4

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT SIX LOCATIONS 1/
 IN THE TRANSITION REGION
 2016 DATA

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

NAME	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
PST-5BPO	7.2	6.0	5.0	6.1	7.3	6.7	6.4
MICHELANGELO (LTP-F5DPDR)	7.3	6.1	4.8	6.1	7.6	6.2	6.4
HOUNDOG8 (IS-TF 307 SEL)	7.3	5.8	5.0	5.6	7.5	7.0	6.4
XTENDER (PPG-TF-139)	7.1	6.0	4.6	5.9	7.8	6.9	6.4
SCREAMER LS (PPG-TF-148)	7.2	5.9	5.1	5.6	7.7	6.8	6.4
ATF 1754	7.3	5.7	4.8	5.8	7.4	7.2	6.4
FIRECRACKER SLS (PPG-TF-105)	7.0	6.1	5.0	5.8	7.8	6.4	6.4
HOVER (BURL TF-69)	7.4	6.2	5.2	5.4	7.4	6.6	6.4
ROWDY (SRX-TPC)	7.0	6.1	5.1	5.7	7.6	6.6	6.4
RHIZING MOON (IS-TF 305 SEL)	7.2	6.0	5.8	5.5	7.7	6.0	6.4
PPG-TF-138	7.1	6.0	5.1	5.3	7.7	6.8	6.3
FESNOVA	7.1	6.2	4.8	5.8	7.6	6.5	6.3
FAITH	7.3	5.7	5.3	5.7	7.6	6.4	6.3
TURFWAY (IS-TF 282 M2)	7.4	6.0	5.0	5.3	7.7	6.6	6.3
IS-TF 276 M2	7.1	6.0	5.5	5.2	7.5	6.7	6.3
FAYETTE (IS-TF 291)	7.2	6.3	4.8	5.3	7.7	6.6	6.3
RHAMBLER 2 SRP (LSD)	6.8	6.0	5.3	5.4	7.7	6.8	6.3
REBEL V (ATF 1736)	7.3	5.9	4.5	5.7	7.4	6.7	6.2
DIABLO (IS-TF 330)	7.4	5.9	5.0	5.6	7.7	5.9	6.2
ATF 1612	7.2	6.1	4.8	5.6	7.5	6.2	6.2
PPG-TF-115	7.3	5.8	4.6	5.3	7.7	6.7	6.2
IS-TF-287	7.2	5.7	5.0	5.5	7.5	6.4	6.2
BULLSEYE	7.3	5.9	5.3	5.4	7.6	5.8	6.2
CAESAR (TY 10)	7.1	5.9	4.9	5.7	7.4	6.2	6.2
IS-TF 269 SEL	7.3	6.1	4.8	5.5	7.7	5.8	6.2
TEMPTATION (OR-21)	7.2	5.3	5.8	5.6	7.5	5.8	6.2
FOXHOUND (IS-TF 284 M2)	7.1	6.0	4.6	5.2	7.6	6.6	6.2
NIGHTCRAWLER (IS-TF 285)	7.1	6.0	4.8	4.8	7.6	6.7	6.2
RAD-TF-89	7.3	6.0	4.6	5.2	7.4	6.5	6.2
CATALYST	6.9	5.4	4.9	5.6	7.4	6.7	6.1
MERIDIAN (PST-5GRB)	6.9	5.6	4.8	5.4	7.5	6.4	6.1
K12-05	7.1	5.8	5.0	4.9	7.6	6.3	6.1
KINGDOM (DB1)	7.3	6.0	4.4	5.4	7.4	6.2	6.1
THUNDERSTRUCK (TD1)	7.3	5.9	4.3	5.3	7.6	6.3	6.1
B23	7.1	5.9	5.1	5.4	7.4	5.8	6.1
RAD-TF-92	7.3	5.6	4.9	5.5	7.4	6.0	6.1
SWAGGER (PST-5R05)	6.7	5.5	4.9	5.6	7.6	6.4	6.1
PST-5MVD	6.9	5.7	4.6	5.6	7.6	6.1	6.1
K12-MCD	7.0	5.9	4.7	5.6	7.6	5.8	6.1
DYNAMITE LS (PPG-TF-145)	7.1	5.1	5.0	4.8	7.6	6.6	6.0
FALCON V	7.1	5.2	4.8	5.2	7.5	6.4	6.0
IS-TF 272	7.2	5.5	4.8	5.0	7.5	6.1	6.0
MEMPHIS (GO-DFR)	6.8	5.5	5.0	5.2	7.5	5.8	6.0
RAIN DANCE (PST-5SDT)	7.0	4.8	4.8	6.0	7.3	6.0	6.0
OLYMPUS (RAD-TF-88)	7.4	5.2	4.6	4.9	7.4	6.3	6.0

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT SIX LOCATIONS 1/
 IN THE TRANSITION REGION
 2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	KY1	MD1	MO1	NC1	TN1	VA1	
TERRANO	6.7	5.0	4.8	5.4	7.6	6.2	6.0
PSG-TT4	7.0	5.2	4.5	5.2	7.5	6.2	6.0
JS 818	7.0	5.6	4.6	5.1	7.5	5.7	5.9
PST-5DZP	6.8	5.5	4.6	4.8	7.5	6.3	5.9
ARES (PPG-TF-142)	7.0	5.0	4.8	5.0	7.5	6.2	5.9
JS 809	6.9	5.0	4.3	5.6	7.2	6.5	5.9
INSPIRATION (PST-R5NW)	6.9	4.8	4.7	5.1	7.5	6.3	5.9
UNITUS (IS-TF 289)	7.1	5.7	4.4	4.8	7.4	5.8	5.9
204 RES. BLK4	6.9	5.2	4.5	5.0	7.7	5.8	5.9
FALCON IV	6.8	4.7	5.3	4.8	7.4	6.0	5.9
BAR FA 121089	6.8	5.0	4.4	5.4	7.5	6.0	5.8
BAR FA 121095	6.9	5.3	4.6	4.9	7.5	5.8	5.8
RAD-TF-83	7.2	5.1	4.8	4.7	7.3	5.8	5.8
PSG-GSD	6.7	4.9	4.7	5.1	7.6	5.8	5.8
JS 819	6.9	5.1	4.7	4.9	7.3	5.8	5.8
BAR FA 121091	7.0	5.3	5.0	4.6	7.4	5.3	5.7
K12-13	7.0	4.9	4.3	5.0	7.3	5.8	5.7
COMP. RES. SST	6.8	5.3	4.4	4.6	7.4	5.6	5.7
PSG-8BP2	6.8	5.0	4.6	4.8	7.3	5.6	5.7
AQUADUCT	6.4	4.6	4.1	5.4	7.4	5.9	5.6
JS 825	6.5	4.7	4.6	4.8	7.3	5.7	5.6
FRONTLINE (EXP TF-09)	6.8	4.6	4.4	4.8	7.4	5.7	5.6
MARAUDER	6.7	4.4	4.5	4.3	7.5	5.6	5.5
ANNIHILATOR	6.6	4.9	4.6	4.4	7.4	5.1	5.5
WARHAWK	6.5	4.1	4.3	4.3	7.4	5.2	5.3
BAR FA 120878	6.1	3.6	4.3	4.5	7.2	5.7	5.2
KY-31	4.0	2.5	3.3	5.2	6.0	5.1	4.4
LSD VALUE	0.4	0.5	0.7	0.8	0.3	0.9	0.3
C.V. (%)	3.2	5.8	8.4	9.5	2.4	8.8	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 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2016 DATA

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

NAME	GA1	MS1	MEAN
CROSSFIRE 4 (IS-TF 310 SEL)	5.9	6.2	6.1
PPG-TF-169	6.1	5.9	6.0
FAITH	6.0	6.0	6.0
ATF 1754	6.0	5.9	6.0
BAR FA 121095	5.9	6.0	6.0
JS 916	5.9	6.1	6.0
TURFWAY (IS-TF 282 M2)	5.7	6.2	6.0
VALKYRIE LS (PPG-TF-172)	5.9	6.0	5.9
BIZEM	5.9	5.9	5.9
LEONARDO (LTP-FSD)	5.7	6.1	5.9
MICHELANGELO (LTP-F5DPDR)	5.9	6.0	5.9
W41	5.9	6.0	5.9
AVENGER II (PPG-TF-156)	6.0	5.8	5.9
MAESTRO (T31)	5.9	6.0	5.9
MET 1	6.1	5.8	5.9
PSG-P01	6.0	5.9	5.9
TECHNIQUE (RZ2)	5.7	6.1	5.9
RAPTOR III (ZW 44)	5.8	6.1	5.9
WICHITA (PPG-TF-151)	5.9	5.9	5.9
TEMPLE (DZ1)	5.6	6.1	5.9
FIREBIRD 2	5.7	6.1	5.9
GTO (BURL TF-2)	6.0	5.8	5.9
K12-05	5.8	5.9	5.9
ROCKWELL (LTP-TWUU)	5.7	6.0	5.9
K12-MCD	5.8	5.9	5.9
REBOUNDER (PICK-W43)	5.8	6.0	5.9
IS-TF 269 SEL	5.5	6.2	5.9
TITANIUM 2LS (PPG-TF-152)	6.1	5.6	5.8
FIREWALL (PSG-WE1)	5.7	5.9	5.8
SUPERSONIC (PPG-TF-170)	5.7	5.9	5.8
PST-5EX2	5.7	6.0	5.8
4TH MILLENNIUM SRP (U43)	5.8	5.9	5.8
ATF 1704	5.9	5.8	5.8
FAYETTE (IS-TF 291)	5.8	5.8	5.8
REGENERATE	5.9	5.8	5.8
SALTILLO (PST-5SALT)	5.8	5.9	5.8
FESNOVA	5.8	5.8	5.8
PARAMOUNT (PPG-TF-137)	5.9	5.8	5.8
PST-5BPO	5.9	5.8	5.8
REBEL V (ATF 1736)	5.8	5.8	5.8
GRANDE 3	5.6	5.9	5.8
MERIDIAN (PST-5GRB)	5.6	6.0	5.8
KINGDOM (DB1)	5.5	6.1	5.8
AMITY (CCR2)	5.8	5.8	5.8

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT TWO LOCATIONS 1/
 IN THE SOUTHEAST REGION
 2016 DATA

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

NAME	GA1	MS1	MEAN
PST-5MVD	5.8	5.8	5.8
EMBRACE (PST-5EV2)	6.0	5.6	5.8
IS-TF 308 SEL	5.9	5.7	5.8
SCREAMER LS (PPG-TF-148)	5.8	5.7	5.8
THOR (PPG-TF-157)	5.7	5.8	5.8
THUNDERSTRUCK (TD1)	5.8	5.7	5.8
F711	5.8	5.7	5.8
PPG-TF-115	5.8	5.8	5.8
XTENDER (PPG-TF-139)	6.0	5.5	5.8
HEMI	6.0	5.5	5.7
RAIN DANCE (PST-5SDT)	5.7	5.8	5.7
PPG-TF-135	5.6	5.8	5.7
HOUND08 (IS-TF 307 SEL)	5.7	5.7	5.7
RAD-TF-89	5.6	5.8	5.7
RAD-TF-92	5.4	6.0	5.7
RHIZING MOON (IS-TF 305 SEL)	5.8	5.6	5.7
TRAVERSE 2 SRP (W45)	5.6	5.8	5.7
FOXHOUND (IS-TF 284 M2)	5.4	6.0	5.7
IS-TF 311	5.8	5.6	5.7
MEMPHIS (GO-DFR)	5.5	5.9	5.7
ATF 1612	5.4	5.9	5.7
IS-TF 276 M2	5.6	5.7	5.7
MET-3	5.6	5.7	5.7
REFLECTION (U45)	5.6	5.7	5.7
BLACK TAIL (PPG-TF-150)	5.5	5.8	5.7
CAESAR (TY 10)	5.6	5.7	5.6
PSG-TT4	5.5	5.8	5.6
PST-5BRK	5.8	5.4	5.6
PPG-TF-138	5.7	5.6	5.6
HOVER (BURL TF-69)	5.3	6.0	5.6
BLOODHOUND (MET 6 SEL)	5.7	5.5	5.6
FALCON IV	5.5	5.7	5.6
UNITUS (IS-TF 289)	5.7	5.5	5.6
FIRECRACKER SLS (PPG-TF-105)	5.5	5.7	5.6
OLYMPUS (RAD-TF-88)	5.7	5.5	5.6
PSG-GSD	5.4	5.7	5.6
JS 825	5.4	5.7	5.6
K12-13	5.6	5.5	5.6
INSPIRATION (PST-R5NW)	5.6	5.6	5.6
RAD-TF-83	5.2	5.9	5.6
JS 809	5.4	5.6	5.5
ROWDY (SRX-TPC)	5.6	5.5	5.5
IS-TF 272	5.3	5.8	5.5
COMP. RES. SST	5.6	5.4	5.5
HOT ROD (BURL TF-136)	5.4	5.6	5.5

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2016 DATA

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

NAME	GA1	MS1	MEAN
WARHAWK	5.4	5.6	5.5
BULLSEYE	5.5	5.6	5.5
TERRANO	5.5	5.5	5.5
DIABLO (IS-TF 330)	5.4	5.5	5.5
204 RES. BLK4	5.4	5.6	5.5
PST-5DZP	5.5	5.4	5.5
BAR FA 121091	5.1	5.8	5.5
IS-TF-287	5.3	5.6	5.5
PSG-8BP2	5.5	5.4	5.5
NIGHTCRAWLER (IS-TF 285)	5.6	5.3	5.4
DYNAMITE LS (PPG-TF-145)	5.7	5.1	5.4
JS 819	5.3	5.6	5.4
BAR FA 121089	5.2	5.6	5.4
SWAGGER (PST-5R05)	5.4	5.4	5.4
MARAUDER	5.4	5.4	5.4
ANNIHILATOR	5.2	5.5	5.4
ARES (PPG-TF-142)	5.6	5.1	5.4
RHAMBLER 2 SRP (LSD)	5.5	5.1	5.3
FALCON V	5.8	4.8	5.3
FRONTLINE (EXP TF-09)	5.1	5.5	5.3
B23	5.3	5.3	5.3
BAR FA 120878	5.2	5.1	5.2
JS 818	4.6	5.6	5.1
AQUADUCT	4.7	5.5	5.1
TEMPTATION (OR-21)	5.2	5.0	5.1
CATALYST	4.9	5.2	5.1
KY-31	4.3	4.4	4.3
LSD VALUE	0.7	0.6	0.5
C.V. (%)	7.7	6.2	7.0

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

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

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 GROWN AT FOUR LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2016 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
HEMI	7.0	7.4	7.1	5.7	6.8
REFLECTION (U45)	7.4	7.1	6.7	5.7	6.7
REGENERATE	7.0	7.0	7.2	5.5	6.7
TECHNIQUE (RZ2)	7.1	7.2	6.7	5.6	6.7
BIZEM	7.1	7.1	6.7	5.6	6.6
FIREWALL (PSG-WE1)	6.6	7.7	6.6	5.6	6.6
MET-3	7.0	7.1	6.7	5.6	6.6
RAPTOR III (ZW 44)	7.0	7.3	6.6	5.6	6.6
W41	7.0	7.3	6.6	5.5	6.6
IS-TF 269 SEL	7.1	7.5	6.3	5.4	6.6
HOT ROD (BURL TF-136)	7.0	7.4	6.4	5.5	6.6
FOXHOUND (IS-TF 284 M2)	7.2	7.6	6.4	5.2	6.6
REBOUNDER (PICK-W43)	7.0	7.3	6.4	5.6	6.6
HOUNDOG8 (IS-TF 307 SEL)	7.1	7.0	6.8	5.3	6.6
GTO (BURL TF-2)	7.0	7.2	6.4	5.6	6.6
IS-TF 308 SEL	7.0	6.9	6.7	5.6	6.6
THUNDERSTRUCK (TD1)	7.1	7.2	6.4	5.6	6.6
TRAVERSE 2 SRP (W45)	7.0	7.1	6.4	5.7	6.5
4TH MILLENNIUM SRP (U43)	7.0	6.9	7.0	5.3	6.5
MET 1	7.3	7.1	6.3	5.4	6.5
BLOODHOUND (MET 6 SEL)	6.9	7.0	6.5	5.9	6.5
FIRECRACKER SLS (PPG-TF-105)	7.3	7.0	6.4	5.5	6.5
BLACK TAIL (PPG-TF-150)	6.9	7.5	6.5	5.3	6.5
XTENDER (PPG-TF-139)	7.0	6.9	6.6	5.6	6.5
F711	6.9	6.9	6.9	5.5	6.5
PSG-P01	6.9	7.2	6.4	5.5	6.5
MAESTRO (T31)	6.7	7.0	6.7	5.7	6.5
FIREBIRD 2	6.7	7.3	6.7	5.3	6.5
PPG-TF-169	6.6	7.4	6.6	5.5	6.5
DIABLO (IS-TF 330)	7.0	7.0	6.5	5.5	6.5
AVENGER II (PPG-TF-156)	6.9	6.8	6.8	5.6	6.5
ATF 1612	7.0	7.0	6.4	5.4	6.5
WICHITA (PPG-TF-151)	6.8	7.2	6.6	5.4	6.5
SUPERSONIC (PPG-TF-170)	6.7	7.4	6.4	5.4	6.5
THOR (PPG-TF-157)	7.0	6.8	6.7	5.4	6.5
TURFWAY (IS-TF 282 M2)	7.0	7.5	6.2	5.2	6.5
PPG-TF-135	7.0	6.9	6.4	5.6	6.5
ROWDY (SRX-TPC)	6.9	6.9	6.6	5.5	6.4
TEMPLE (DZ1)	7.0	7.1	6.5	5.2	6.4
RHIZING MOON (IS-TF 305 SEL)	6.9	7.4	6.1	5.4	6.4
RAD-TF-89	7.1	7.1	6.0	5.6	6.4
EMBRACE (PST-5EV2)	7.0	6.9	6.6	5.2	6.4
PPG-TF-138	7.1	7.0	6.4	5.2	6.4
PARAMOUNT (PPG-TF-137)	6.6	6.8	6.9	5.4	6.4
ROCKWELL (LTP-TWUU)	6.9	6.8	6.6	5.5	6.4

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT FOUR LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2016 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
OLYMPUS (RAD-TF-88)	6.7	7.4	6.2	5.5	6.4
JS 916	7.0	7.0	6.3	5.4	6.4
BULLSEYE	7.1	6.7	6.2	5.7	6.4
IS-TF 311	6.8	7.0	6.6	5.3	6.4
MICHELANGELO (LTP-F5DPDR)	6.9	7.2	6.2	5.3	6.4
PST-5BRK	6.8	7.3	6.2	5.2	6.4
ATF 1754	6.6	7.1	6.4	5.5	6.4
TITANIUM 2LS (PPG-TF-152)	6.7	6.9	6.6	5.5	6.4
FAITH	7.0	6.9	6.0	5.6	6.4
AMITY (CCR2)	7.1	6.7	6.3	5.4	6.4
FAYETTE (IS-TF 291)	7.2	6.5	6.3	5.4	6.4
IS-TF 272	7.2	7.1	5.9	5.2	6.4
GRANDE 3	6.5	7.0	6.4	5.5	6.4
TEMPTATION (OR-21)	7.2	7.1	5.8	5.2	6.3
SALTILLO (PST-5SALT)	6.8	7.0	6.4	5.2	6.3
FESNOVA	7.0	7.1	6.3	5.0	6.3
MEMPHIS (GO-DFR)	7.0	7.1	6.2	5.0	6.3
PST-5MVD	6.6	6.9	6.4	5.5	6.3
HOVER (BURL TF-69)	6.5	7.3	6.3	5.3	6.3
PST-5BP0	6.8	6.9	6.2	5.3	6.3
CATALYST	7.0	6.1	6.7	5.4	6.3
RAD-TF-92	6.8	6.9	6.0	5.4	6.3
REBEL V (ATF 1736)	6.8	7.1	6.1	5.2	6.3
KINGDOM (DB1)	7.0	7.0	5.9	5.2	6.3
SCREAMER LS (PPG-TF-148)	6.8	6.3	6.6	5.3	6.3
LEONARDO (LTP-FSD)	6.8	6.7	6.1	5.4	6.3
DYNAMITE LS (PPG-TF-145)	7.1	6.7	6.2	5.0	6.2
CAESAR (TY 10)	7.0	7.0	5.8	5.2	6.2
PPG-TF-115	6.9	6.9	6.1	5.1	6.2
NIGHTCRAWLER (IS-TF 285)	6.8	6.4	6.4	5.4	6.2
VALKYRIE LS (PPG-TF-172)	6.6	6.6	6.3	5.5	6.2
UNITUS (IS-TF 289)	7.0	6.9	5.8	5.2	6.2
B23	6.8	6.1	6.4	5.6	6.2
JS 818	7.1	6.6	6.1	5.0	6.2
ATF 1704	6.4	6.5	6.5	5.4	6.2
K12-05	6.9	6.6	6.2	5.2	6.2
ARES (PPG-TF-142)	7.1	6.4	6.1	5.1	6.2
JS 819	6.7	7.1	5.9	5.0	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	6.5	6.8	6.1	5.4	6.2
MERIDIAN (PST-5GRB)	6.7	6.3	6.1	5.7	6.2
K12-MCD	6.6	6.7	6.3	5.0	6.2
RAD-TF-83	7.0	7.0	5.6	5.0	6.2
FALCON V	7.1	6.0	6.1	5.4	6.2
PST-5DZP	6.7	6.4	6.2	5.3	6.2
TERRANO	7.0	6.3	6.1	5.0	6.1

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT FOUR LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2016 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
PSG-GSD	6.8	6.1	6.2	5.3	6.1
IS-TF 276 M2	6.8	6.3	6.1	5.2	6.1
BAR FA 121091	6.6	6.9	5.9	5.0	6.1
RHAMBLER 2 SRP (LSD)	6.8	5.9	6.5	5.2	6.1
JS 809	6.7	6.8	5.7	5.1	6.1
IS-TF-287	6.6	6.6	5.7	5.5	6.1
BAR FA 121095	6.7	6.4	5.9	5.3	6.1
RAIN DANCE (PST-5SDT)	6.8	6.5	6.1	4.9	6.0
PSG-TT4	6.5	6.6	6.3	4.8	6.0
COMP. RES. SST	6.7	6.9	5.4	5.1	6.0
FALCON IV	7.0	6.5	5.6	5.0	6.0
K12-13	6.8	6.7	5.6	4.9	6.0
JS 825	7.0	6.8	5.4	4.8	6.0
INSPIRATION (PST-R5NW)	6.9	6.1	5.7	5.1	5.9
FRONTLINE (EXP TF-09)	6.8	6.2	5.9	4.9	5.9
BAR FA 121089	6.4	6.8	5.6	4.8	5.9
SWAGGER (PST-5R05)	6.7	5.8	5.8	5.2	5.9
204 RES. BLK4	6.1	6.9	5.3	5.2	5.9
PST-5EX2	6.4	6.1	6.1	4.7	5.8
AQUADUCT	6.1	6.1	6.1	4.9	5.8
ANNIHILATOR	6.0	6.9	5.3	5.0	5.8
MARAUDER	6.2	6.7	5.2	4.9	5.8
PSG-8BP2	6.7	5.9	5.7	4.7	5.8
WARHAWK	6.5	6.6	5.2	4.6	5.7
BAR FA 120878	6.1	5.0	4.9	4.4	5.1
KY-31	4.8	3.2	4.2	3.2	3.9
LSD VALUE	0.5	0.8	0.6	0.4	0.3
C.V. (%)	5.0	7.0	6.2	4.7	5.9

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 RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
4TH MILLENNIUM SRP (U43)	6.7	6.7	7.0	6.7	6.7	7.0	7.0	7.3	7.3	7.3	7.7	7.7	7.1
SCREAMER LS (PPG-TF-148)	7.0	7.3	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0
TECHNIQUE (RZ2)	6.7	6.7	7.0	6.7	6.7	7.0	7.0	6.7	7.3	7.0	7.0	7.0	6.9
PSG-P01	6.7	7.3	7.0	6.7	7.0	7.0	7.0	6.7	6.3	7.0	7.0	7.0	6.9
MAESTRO (T31)	7.7	7.0	7.0	6.7	6.7	6.3	7.0	6.3	7.0	7.0	7.0	6.7	6.9
IS-TF 311	7.0	7.0	7.0	6.7	7.0	6.3	7.0	6.3	7.0	6.7	7.0	7.0	6.8
REGENERATE	6.7	6.7	6.7	6.7	7.0	7.0	6.7	6.7	6.7	6.7	7.0	7.0	6.8
BLACK TAIL (PPG-TF-150)	6.7	6.7	6.7	6.3	7.0	6.3	6.7	6.7	7.0	7.0	7.0	7.0	6.8
MET 1	6.7	7.0	7.0	6.3	6.7	6.3	6.3	6.7	7.0	7.0	6.7	6.3	6.7
TEMPLE (DZ1)	7.0	6.0	6.7	6.7	6.3	6.3	6.3	6.7	6.7	7.0	7.0	7.3	6.7
AMITY (CCR2)	6.7	6.7	6.7	6.7	6.3	6.3	7.0	6.3	7.0	6.3	6.7	7.0	6.6
FALCON V	7.0	7.0	6.3	6.0	6.7	6.7	6.3	6.7	6.7	6.7	6.7	7.0	6.6
ROCKWELL (LTP-TWUU)	6.7	7.3	7.0	6.7	6.3	6.7	6.7	6.3	6.3	6.3	7.0	6.3	6.6
SUPERSONIC (PPG-TF-170)	6.7	6.7	6.7	6.7	6.3	6.7	6.3	6.7	6.3	6.7	7.0	6.7	6.6
HOVER (BURL TF-69)	6.3	6.3	6.3	6.0	6.7	6.3	6.7	6.7	7.0	6.7	7.0	7.0	6.6
OLYMPUS (RAD-TF-88)	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7	6.7	6.3	6.0	6.6
FIRECRACKER SLS (PPG-TF-105)	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.3	6.0	6.7	6.7	6.7	6.6
TITANIUM 2LS (PPG-TF-152)	7.0	7.0	6.7	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.3	6.7	6.6
HOT ROD (BURL TF-136)	6.7	6.3	6.7	6.3	7.0	7.0	6.7	6.7	6.0	6.7	6.3	6.3	6.6
GRANDE 3	6.7	6.7	6.0	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.7	7.0	6.5
GTO (BURL TF-2)	6.7	6.3	6.7	6.3	6.0	6.3	6.7	6.0	7.0	6.7	6.7	6.7	6.5
ROWDY (SRX-TPC)	6.3	7.0	6.7	6.3	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.7	6.5
W41	6.3	6.0	6.3	6.3	6.3	6.0	6.7	6.7	6.3	7.0	7.0	7.0	6.5
204 RES. BLK4	6.7	6.0	6.0	6.0	6.3	6.7	6.3	6.7	7.0	6.7	6.7	6.7	6.5
ATF 1612	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.7	6.7	7.0	6.7	6.7	6.5
FIREWALL (PSG-WE1)	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.3	6.3	6.5
TERRANO	6.3	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.7	6.7	6.7	6.7	6.5
MET-3	6.3	6.0	7.0	6.3	6.7	6.7	6.7	6.7	6.7	6.3	6.3	6.0	6.5
REBOUNDER (PICK-W43)	6.3	6.3	6.3	5.7	6.7	6.3	6.3	6.7	7.0	7.0	6.3	6.3	6.4
EMBRACE (PST-5EV2)	6.7	6.7	6.3	6.7	6.3	6.0	6.3	6.0	6.7	6.7	6.7	6.3	6.4
FALCON IV	6.3	6.7	6.3	6.3	6.3	6.0	6.3	6.0	6.7	6.3	7.0	7.0	6.4
LEONARDO (LTP-FSD)	6.7	7.0	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.3	6.4
B23	6.3	6.7	6.3	6.7	6.0	6.7	6.3	6.3	6.3	6.7	6.3	6.3	6.4
F711	6.7	6.7	6.3	6.7	6.0	6.7	6.0	6.7	6.3	6.3	6.3	6.3	6.4
WICHITA (PPG-TF-151)	6.3	6.0	6.7	6.7	6.3	6.3	6.3	6.0	6.3	6.7	6.7	6.7	6.4
DIABLO (IS-TF 330)	6.3	6.7	6.3	7.0	6.0	6.7	6.0	6.3	6.3	6.3	6.3	6.3	6.4
FAYETTE (IS-TF 291)	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.7	7.3	7.0	6.4
JS 819	6.3	6.3	6.3	6.3	6.3	6.0	6.0	6.3	6.0	6.7	7.0	7.0	6.4
PPG-TF-169	6.7	6.3	6.0	6.0	6.0	6.0	6.0	6.0	7.0	6.7	7.0	7.0	6.4
RAPTOR III (ZW 44)	6.3	7.0	6.7	6.7	6.0	6.0	6.0	6.3	6.3	6.7	6.3	6.3	6.4
DYNAMITE LS (PPG-TF-145)	6.3	6.7	6.7	6.3	6.3	6.3	6.0	6.7	6.0	6.7	6.0	6.3	6.4
RAD-TF-89	6.7	6.7	6.3	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.7	6.7	6.4
THUNDERSTRUCK (TD1)	6.0	6.3	6.7	6.3	6.0	6.3	6.7	6.3	6.7	6.3	6.3	6.3	6.4
ANNIHILATOR	6.7	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.7	6.7	6.4
PPG-TF-135	6.7	6.7	6.3	6.3	6.0	6.0	6.0	6.0	6.7	6.3	6.7	6.7	6.4

TABLE 11. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RAD-TF-92	6.3	6.7	6.7	6.0	6.3	5.7	6.7	6.0	6.7	6.0	6.7	6.7	6.4
REFLECTION (U45)	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.0	6.4
ATF 1704	6.3	6.7	6.0	6.3	6.7	6.3	6.3	6.7	6.0	6.0	6.3	6.3	6.3
FAITH	6.7	6.7	6.7	6.3	6.3	6.0	5.7	6.3	6.3	6.3	6.3	6.3	6.3
JS 818	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.7	6.3	7.0	7.0	6.3
MARAUDER	6.0	6.0	6.7	6.3	6.0	6.7	6.7	6.0	6.3	6.7	6.3	6.3	6.3
TURFWAY (IS-TF 282 M2)	6.3	6.3	6.0	6.7	6.3	6.3	6.0	6.0	6.7	6.0	6.7	6.7	6.3
BIZEM	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.3	6.7	6.7	6.3	6.3	6.3
CATALYST	6.3	6.7	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.3	6.3	6.3	6.3
HEMI	6.3	6.7	6.7	6.3	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3
XTENDER (PPG-TF-139)	6.7	6.0	6.7	6.0	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.7	6.3
JS 916	6.0	6.3	6.7	6.3	6.3	6.3	6.0	6.7	6.0	6.3	6.0	6.3	6.3
WARHAWK	6.7	6.0	6.7	6.3	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3
ARES (PPG-TF-142)	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.7	6.7	6.7	6.3
UNITUS (IS-TF 289)	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.3	6.7	6.7	6.3
K12-MCD	6.3	6.3	6.3	6.0	6.3	6.3	6.0	6.3	5.7	6.3	6.3	6.3	6.2
RHAMBLER 2 SRP (LSD)	6.3	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.0	6.3	6.3	6.2
THOR (PPG-TF-157)	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.3	6.2
KINGDOM (DB1)	6.0	6.3	6.3	6.3	6.3	6.7	6.0	6.3	6.3	6.0	6.0	6.0	6.2
CAESAR (TY 10)	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.0	6.0	6.3	6.3	6.3	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	6.7	6.3	6.0	6.3	6.0	6.0	6.3	6.3	5.7	6.0	6.3	6.2
FESNOVA	6.7	6.3	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.0	6.2
K12-05	6.0	6.0	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.2
PSG-GSD	6.3	6.3	6.0	6.7	6.0	5.7	6.3	6.0	6.3	6.0	6.3	6.3	6.2
REBEL V (ATF 1736)	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	5.7	6.7	6.3	6.7	6.2
BLOODHOUND (MET 6 SEL)	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.0	6.7	6.2
FIREBIRD 2	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	5.7	6.2
IS-TF 276 M2	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.3	6.3	6.2
PARAMOUNT (PPG-TF-137)	6.0	6.3	6.0	5.7	6.3	6.7	6.0	6.3	6.0	6.3	6.0	6.3	6.2
PST-5DZP	6.3	6.0	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.2
PST-5MVD	6.3	6.0	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.0	6.0	6.0	6.2
TRAVERSE 2 SRP (W45)	6.3	6.7	6.3	6.0	5.7	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.1
MICHELANGELO (LTP-F5DPDR)	6.0	6.0	5.7	5.7	6.3	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.1
ATF 1754	6.0	6.7	6.0	6.3	6.3	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.1
IS-TF 269 SEL	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.1
IS-TF 308 SEL	6.0	6.3	6.0	6.7	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.1
IS-TF-287	6.0	6.7	5.7	6.3	5.7	6.0	5.7	6.3	6.0	6.3	6.3	6.3	6.1
VALKYRIE LS (PPG-TF-172)	6.0	6.3	6.0	6.0	6.0	6.0	5.7	6.3	6.0	6.3	6.3	6.3	6.1
BAR FA 121095	6.3	6.3	6.3	6.0	5.7	6.0	5.7	6.0	6.3	6.0	6.0	6.3	6.1
HOUND0G8 (IS-TF 307 SEL)	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.0	6.0	6.1
BULLSEYE	5.7	6.7	6.3	6.0	6.0	6.7	6.0	6.0	6.0	5.7	6.0	5.7	6.1
RHIZING MOON (IS-TF 305 SEL)	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.0	6.3	6.0	6.3	6.3	6.1
AQUADUCT	6.0	6.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.1
AVENGER II (PPG-TF-156)	5.7	6.7	6.0	5.7	6.0	6.3	6.0	6.3	6.0	6.3	6.0	5.7	6.1
PST-5EX2	6.0	6.0	5.7	5.7	6.0	6.3	6.0	6.3	6.0	6.0	6.0	6.3	6.0

TABLE 11. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/
2016 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
JS 809	6.0	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
PPG-TF-115	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0	6.0	6.0
PPG-TF-138	6.0	6.3	6.0	6.0	5.7	5.7	6.3	6.0	6.0	6.0	6.0	6.0	6.0
PSG-8BP2	6.3	6.3	6.0	6.0	6.0	5.3	6.0	5.7	6.0	6.0	6.0	6.3	6.0
PSG-TT4	6.0	6.3	6.3	6.0	5.7	5.7	5.7	5.7	6.0	6.0	6.3	6.3	6.0
PST-5BP0	6.3	6.3	6.0	6.0	6.0	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0
INSPIRATION (PST-R5NW)	6.0	6.3	6.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.0	6.0
BAR FA 121091	6.0	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0	5.9
K12-13	6.0	6.0	6.0	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	5.9
NIGHTCRAWLER (IS-TF 285)	6.0	6.0	5.7	6.3	6.0	5.7	6.0	5.7	6.0	6.0	6.0	6.0	5.9
IS-TF 272	6.0	6.3	6.0	5.7	5.3	6.0	5.7	5.7	6.0	6.3	6.0	6.0	5.9
MERIDIAN (PST-5GRB)	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.9
MEMPHIS (GO-DFR)	6.0	5.7	6.0	5.7	6.3	6.3	6.0	5.7	6.0	5.7	5.7	5.7	5.9
RAD-TF-83	6.0	6.0	5.7	6.0	5.7	5.7	5.7	5.7	6.3	6.0	6.0	5.7	5.9
SALTILLO (PST-5SALT)	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0	5.7	6.0	5.7	5.3	5.8
FRONTLINE (EXP TF-09)	6.0	6.0	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0	5.7	5.8
BAR FA 121089	5.7	6.0	5.7	6.0	5.7	6.0	5.7	5.7	5.3	6.0	5.7	5.7	5.8
PST-5BRK	5.7	6.0	6.0	6.3	5.3	5.7	5.3	5.3	6.0	5.7	6.0	5.7	5.8
SWAGGER (PST-5R05)	5.7	5.7	5.7	6.0	5.7	5.7	5.7	6.0	5.7	6.0	5.7	5.7	5.8
COMP. RES. SST	5.7	5.7	6.0	5.3	5.3	6.0	5.7	6.0	5.3	6.0	5.7	5.3	5.7
FOXHOUND (IS-TF 284 M2)	5.7	5.7	5.3	5.7	5.3	5.3	5.7	5.3	6.0	6.0	6.0	6.0	5.7
RAIN DANCE (PST-5SDT)	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
TEMPTATION (OR-21)	5.7	6.0	6.0	6.0	5.3	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.7
JS 825	5.7	6.0	6.0	6.0	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.7	5.5
BAR FA 120878	5.0	5.3	5.0	5.3	5.0	4.7	5.0	4.7	5.0	4.7	4.7	4.7	4.9
KY-31	3.7	4.3	4.0	5.0	4.0	3.3	3.3	3.7	4.3	4.3	4.7	4.0	4.1
LSD VALUE	0.8	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.9	0.9	1.0	1.1	0.6
C.V. (%)	8.3	9.9	8.3	8.6	8.4	9.3	8.4	8.1	8.6	8.9	9.7	10.6	5.9

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 12.

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JULY 29			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
TECHNIQUE (RZ2)	8.0	6.3	86.3	66.7	9.0	8.0	99.0	78.3	8.7	7.7	99.0	81.7
REGENERATE	9.0	6.7	94.7	71.7	9.0	8.0	97.7	83.3	9.0	8.7	93.0	85.0
B23	9.0	7.0	99.0	73.3	9.0	8.0	99.0	85.0	9.0	8.3	97.7	90.0
OLYMPUS (RAD-TF-88)	8.7	7.0	91.3	73.3	9.0	7.7	94.7	81.7	8.7	8.0	96.3	90.0
CROSSFIRE 4 (IS-TF 310 SEL)	8.7	6.7	91.7	66.7	9.0	7.7	96.3	73.3	9.0	7.7	99.0	88.3
HOT ROD (BURL TF-136)	8.3	6.3	91.0	63.3	9.0	7.3	94.7	78.3	9.0	8.0	96.0	88.3
BIZEM	9.0	8.3	93.0	81.7	9.0	7.7	97.7	81.7	8.7	8.0	93.3	83.3
HEMI	8.7	6.7	89.7	66.7	9.0	7.7	97.7	80.0	9.0	8.3	97.7	83.3
PARAMOUNT (PPG-TF-137)	8.0	6.0	88.3	60.0	9.0	8.0	97.7	75.0	9.0	8.3	97.7	88.3
PPG-TF-169	8.3	7.0	90.0	68.3	8.3	7.0	93.3	71.7	9.0	7.7	94.7	81.7
REBOUNDER (PICK-W43)	9.0	6.3	96.0	73.3	9.0	7.7	97.7	75.0	9.0	7.7	99.0	88.3
REFLECTION (U45)	9.0	6.0	96.3	61.7	9.0	8.3	97.7	80.0	9.0	8.7	99.0	91.7
MEMPHIS (GO-DFR)	8.3	6.3	89.7	66.7	8.0	6.7	96.3	70.0	8.3	7.3	94.7	85.0
PST-5BPO	8.7	7.7	94.3	80.0	9.0	8.0	93.0	73.3	8.7	8.0	97.7	86.7
PST-5EX2	9.0	8.3	93.0	89.7	8.3	5.7	93.0	68.3	8.3	7.3	90.0	76.7
F711	9.0	7.0	97.7	73.3	9.0	8.0	97.7	76.7	8.7	8.3	97.7	88.3
FOXHOUND (IS-TF 284 M2)	8.7	5.7	91.3	56.7	9.0	6.7	96.3	78.3	8.7	8.3	96.3	88.3
GTO (BURL TF-2)	8.0	6.3	86.3	70.0	8.7	6.3	94.7	66.7	8.7	7.3	97.7	86.7
HOVER (BURL TF-69)	8.3	6.7	91.7	65.0	8.7	6.7	97.7	75.0	9.0	7.7	96.3	83.3
PST-5BRK	8.3	7.7	84.7	75.0	8.7	7.3	90.0	73.3	8.3	8.3	94.7	83.3
RAD-TF-89	9.0	7.0	94.7	76.7	8.7	7.7	96.0	78.3	9.0	7.3	96.3	83.3
TEMPLE (DZ1)	9.0	6.7	94.7	70.0	9.0	7.7	96.3	75.0	9.0	7.7	95.0	85.0
BLACK TAIL (PPG-TF-150)	9.0	7.7	97.7	75.0	9.0	8.0	99.0	81.7	9.0	8.7	99.0	88.3
IS-TF 311	8.0	7.0	84.3	75.0	8.7	7.3	96.0	70.0	9.0	8.3	97.7	86.7
NIGHTCRAWLER (IS-TF 285)	8.3	6.0	90.0	61.7	8.7	8.0	97.7	76.7	9.0	7.3	96.3	86.7
SUPERSONIC (PPG-TF-170)	8.7	7.0	93.0	71.7	8.3	7.3	96.3	73.3	8.7	8.0	93.3	83.3
ANNIHILATOR	8.0	4.7	90.0	51.7	8.0	6.3	85.0	63.3	7.7	6.0	90.0	80.0
AQUADUCT	8.3	7.0	90.0	70.0	8.0	6.3	88.3	68.3	8.0	6.7	91.3	78.3
BAR FA 121095	8.0	5.0	90.0	53.3	8.3	6.7	95.0	63.3	8.3	6.3	93.3	76.7
BULLSEYE	8.7	6.0	94.7	61.7	9.0	7.0	94.7	71.7	9.0	7.7	96.0	80.0
CATALYST	9.0	6.7	97.7	70.0	9.0	7.0	96.3	63.3	8.7	7.0	91.7	85.0
EMBRACE (PST-5EV2)	8.7	7.3	88.0	73.3	9.0	8.0	97.7	78.3	9.0	8.3	97.7	86.7
FIRECRACKER SLS (PPG-TF-105)	9.0	6.7	93.3	70.0	9.0	7.7	99.0	81.7	8.7	8.0	97.7	85.0
IS-TF 269 SEL	9.0	5.3	90.0	55.0	8.7	7.0	96.3	73.3	9.0	8.3	97.7	91.7
JS 916	9.0	7.0	96.0	71.7	8.7	7.3	99.0	75.0	8.7	8.3	94.7	86.7
RAPTOR III (ZW 44)	8.3	6.7	91.7	66.7	9.0	8.0	94.7	80.0	9.0	8.3	99.0	91.7
ATF 1704	9.0	8.7	99.0	91.7	8.7	7.0	96.3	73.3	9.0	8.3	94.7	83.3
AVENGER II (PPG-TF-156)	8.7	7.3	96.0	71.7	9.0	8.0	99.0	76.7	9.0	8.7	96.0	85.0
IS-TF 308 SEL	8.3	6.7	87.7	70.0	8.7	7.7	99.0	76.7	9.0	8.0	99.0	86.7
KINGDOM (DB1)	8.7	5.0	91.7	45.0	9.0	7.3	95.0	70.0	9.0	8.0	97.7	88.3
MERIDIAN (PST-5GRB)	8.7	6.3	93.0	63.3	9.0	8.3	97.7	83.3	9.0	9.0	99.0	93.3
PSG-GSD	9.0	7.0	94.7	75.0	8.3	7.0	91.7	70.0	8.3	7.3	96.3	81.7
RAD-TF-92	8.7	7.0	93.3	71.7	9.0	8.0	96.3	78.3	9.0	8.3	99.0	90.0
RHAMBLER 2 SRP (LSD)	8.7	6.7	96.0	66.7	9.0	8.0	96.3	81.7	9.0	8.7	99.0	85.0
VALKYRIE LS (PPG-TF-172)	8.7	7.3	94.3	73.3	9.0	8.0	97.7	81.7	9.0	8.3	93.3	85.0

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JULY 29			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
XTENDER (PPG-TF-139)	9.0	6.3	90.0	65.0	9.0	8.3	96.3	80.0	8.7	8.7	97.7	91.7
204 RES. BLK4	8.7	5.0	90.0	53.3	8.7	6.7	95.0	65.0	8.3	7.3	94.7	83.3
BLOODHOUND (MET 6 SEL)	8.7	6.3	91.3	63.3	9.0	7.0	99.0	71.7	9.0	7.3	97.7	83.3
COMP. RES. SST	7.3	6.3	81.7	66.7	8.7	7.3	91.7	73.3	8.7	7.7	94.7	85.0
JS 819	8.0	4.7	85.0	51.7	8.3	7.3	91.7	73.3	8.0	7.7	85.0	75.0
K12-05	8.0	4.0	85.0	43.3	8.7	7.0	96.3	71.7	9.0	8.0	97.7	85.0
MICHELANGELO (LTP-F5DPDR)	9.0	7.0	94.3	71.7	9.0	7.3	95.0	80.0	8.7	7.7	96.3	83.3
TEMPTATION (OR-21)	8.0	4.7	85.0	50.0	8.7	6.3	93.3	63.3	8.3	6.0	95.0	75.0
W41	8.7	5.7	88.3	58.3	9.0	8.7	97.7	76.7	8.7	7.7	97.7	88.3
4TH MILLENNIUM SRP (U43)	9.0	7.0	96.3	68.3	9.0	7.7	99.0	76.7	8.7	7.7	97.7	88.3
FALCON V	9.0	6.0	96.0	56.7	8.7	6.7	96.3	70.0	8.7	7.3	96.3	78.3
FIREWALL (PSG-WE1)	7.0	6.0	75.0	58.3	8.3	7.0	94.7	75.0	8.7	8.0	96.3	85.0
GRANDE 3	8.7	7.7	92.7	76.7	8.3	6.0	95.0	63.3	8.3	6.3	93.3	75.0
JS 809	8.3	6.0	88.3	58.3	8.3	6.7	93.3	68.3	8.0	7.3	93.3	81.7
K12-13	8.0	4.3	85.0	45.0	9.0	7.3	93.3	75.0	9.0	8.3	94.7	86.7
MAESTRO (T31)	8.3	7.7	89.3	80.0	8.7	7.3	96.0	73.3	9.0	8.7	97.7	86.7
MET 1	9.0	7.3	93.3	75.0	9.0	7.0	99.0	75.0	9.0	8.0	97.7	81.7
PPG-TF-135	9.0	6.7	97.7	71.7	8.7	7.7	94.7	76.7	9.0	8.3	97.7	86.7
PSG-8BP2	8.7	7.0	93.0	75.0	8.3	8.0	91.7	75.0	8.3	8.0	91.7	81.7
PSG-TT4	8.0	6.7	90.0	68.3	8.3	6.3	90.0	61.7	8.0	6.3	91.7	75.0
ROWDY (SRX-TPC)	9.0	6.3	99.0	63.3	9.0	8.0	97.7	76.7	9.0	8.0	97.7	86.7
SALTILLO (PST-5SALT)	9.0	6.7	93.3	66.7	9.0	7.3	96.3	73.3	8.3	7.3	95.0	85.0
SCREAMER LS (PPG-TF-148)	9.0	7.0	99.0	76.7	8.3	6.7	94.7	71.7	8.7	7.3	96.0	81.7
SWAGGER (PST-5R05)	8.7	5.7	91.7	56.7	8.3	6.7	93.3	70.0	9.0	8.0	95.0	80.0
IS-TF 276 M2	8.7	6.3	93.3	66.7	8.3	7.3	90.0	75.0	8.0	7.3	93.3	83.3
PST-5MVD	9.0	7.3	99.0	75.0	8.7	7.3	94.7	75.0	8.7	7.3	95.0	81.7
RHIZING MOON (IS-TF 305 SEL)	8.0	6.0	86.3	63.3	9.0	7.3	94.7	68.3	8.7	7.3	94.7	83.3
THOR (PPG-TF-157)	8.7	5.3	97.7	65.0	8.7	7.0	96.0	71.7	8.7	7.7	97.7	83.3
TITANIUM 2LS (PPG-TF-152)	8.7	6.0	94.7	61.7	9.0	7.7	96.3	78.3	8.7	8.3	97.7	83.3
ATF 1612	8.7	6.7	91.3	68.3	8.7	7.0	96.3	70.0	9.0	7.7	96.3	83.3
ATF 1754	8.7	6.3	91.7	65.0	8.3	6.3	93.0	70.0	8.3	7.3	94.7	81.7
FALCON IV	8.0	6.0	90.0	61.7	8.0	6.7	90.0	71.7	8.0	7.3	90.0	80.0
INSPIRATION (PST-R5NW)	8.3	6.0	91.7	60.0	8.3	7.3	91.7	75.0	8.0	7.7	95.0	83.3
MET-3	9.0	6.7	93.0	66.7	8.3	7.3	95.0	75.0	9.0	8.7	96.3	90.0
RAIN DANCE (PST-5SDT)	8.3	6.7	85.0	70.0	8.0	6.7	88.3	71.7	8.0	6.7	88.3	75.0
WARHAWK	8.0	4.7	88.3	48.3	8.0	7.0	91.7	58.3	8.0	6.3	83.3	75.0
BAR FA 121091	7.3	5.3	81.7	58.3	7.7	6.0	88.3	56.7	7.3	5.7	85.0	66.7
FAYETTE (IS-TF 291)	9.0	7.3	97.7	75.0	9.0	7.3	96.3	76.7	9.0	8.3	95.0	86.7
FIREBIRD 2	8.7	5.7	93.3	58.3	9.0	8.0	94.7	68.3	9.0	8.0	97.7	83.3
HOUNDG8 (IS-TF 307 SEL)	9.0	6.3	97.7	65.0	9.0	7.7	97.7	75.0	9.0	8.3	96.3	81.7
IS-TF-287	9.0	7.3	93.3	75.0	9.0	7.7	96.0	71.7	9.0	7.7	99.0	83.3
REBEL V (ATF 1736)	8.7	6.7	96.0	68.3	8.7	6.7	94.7	73.3	8.7	7.0	93.3	80.0
TRAVERSE 2 SRP (W45)	9.0	6.7	93.3	68.3	9.0	7.7	99.0	80.0	9.0	8.7	99.0	91.7
UNITUS (IS-TF 289)	7.7	4.7	81.3	50.0	8.7	6.7	93.0	65.0	9.0	7.0	97.7	81.7
AMITY (CCR2)	9.0	4.7	93.0	51.7	9.0	6.3	99.0	65.0	9.0	7.7	97.7	85.0

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JULY 29			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FRONTLINE (EXP TF-09)	9.0	6.7	90.0	63.3	8.0	6.7	90.0	70.0	7.3	5.7	88.3	75.0
IS-TF 272	8.7	5.7	88.3	61.7	9.0	7.0	97.7	71.7	9.0	7.3	97.7	83.3
JS 818	8.3	5.0	85.0	55.0	8.7	6.7	95.0	70.0	8.3	7.3	94.7	85.0
MARAUDER	8.0	4.7	86.7	50.0	8.3	5.7	91.7	60.0	8.0	6.0	91.7	75.0
RAD-TF-83	8.3	5.3	86.7	60.0	8.0	6.7	91.7	71.7	8.3	7.7	93.0	76.7
ROCKWELL (LTP-TWUU)	9.0	8.0	94.7	83.3	9.0	7.3	96.3	73.3	9.0	8.3	99.0	95.0
TURFWAY (IS-TF 282 M2)	8.7	5.7	96.0	55.0	8.7	7.0	94.7	71.7	8.0	6.3	91.7	76.7
BAR FA 121089	8.3	6.0	85.0	65.0	8.3	6.0	91.7	65.0	7.7	6.0	80.0	65.0
DIABLO (IS-TF 330)	8.7	6.0	93.0	60.0	8.7	7.7	97.7	76.7	9.0	7.7	96.3	83.3
FAITH	7.7	6.7	81.7	68.3	8.7	7.7	93.3	70.0	8.3	7.3	88.3	75.0
PPG-TF-138	9.0	5.3	96.3	55.0	9.0	7.3	96.3	73.3	9.0	8.0	96.3	85.0
CAESAR (TY 10)	8.7	6.3	90.0	70.0	8.3	6.3	94.7	71.7	9.0	7.0	93.3	83.3
FESNOVA	9.0	6.3	97.7	66.7	8.7	7.7	95.0	70.0	9.0	7.7	96.3	78.3
PSG-PO1	8.0	6.3	91.3	65.0	8.7	6.7	96.3	71.7	9.0	7.3	99.0	86.7
THUNDERSTRUCK (TD1)	7.3	4.0	79.7	38.3	9.0	6.7	96.3	65.0	8.7	7.0	95.0	78.3
DYNAMITE LS (PPG-TF-145)	8.7	5.3	85.0	51.7	9.0	7.3	94.7	73.3	8.7	7.3	93.3	85.0
BAR FA 120878	7.3	5.7	76.7	65.0	7.0	5.3	73.3	55.0	6.3	5.7	68.3	60.0
K12-MCD	8.7	7.3	91.7	73.3	8.7	6.7	95.0	68.3	9.0	7.3	96.0	83.3
PPG-TF-115	8.7	5.7	86.7	58.3	8.0	6.3	90.0	70.0	8.0	6.7	93.3	78.3
LEONARDO (LTP-FSD)	9.0	7.7	96.0	76.7	8.7	7.0	95.0	70.0	8.0	7.3	93.0	83.3
PST-5DZP	9.0	6.0	93.0	55.0	8.7	7.0	93.3	66.7	9.0	8.0	95.0	83.3
ARES (PPG-TF-142)	8.3	4.7	85.0	48.3	8.3	6.3	95.0	65.0	8.3	7.0	93.0	86.7
WICHITA (PPG-TF-151)	9.0	6.0	97.7	66.7	8.7	6.3	97.7	73.3	9.0	8.0	97.7	86.7
JS 825	7.3	4.7	78.3	48.3	8.0	5.7	90.0	61.7	7.7	6.3	83.3	70.0
TERRANO	8.3	5.0	93.3	56.7	8.7	7.0	93.0	70.0	8.7	7.7	96.0	83.3
KY-31	6.3	5.0	63.3	53.3	6.3	4.7	66.7	46.7	6.0	4.7	65.0	50.0
LSD VALUE	1.7	1.8	22.4	18.4	0.7	1.3	5.0	9.6	0.6	1.1	5.5	9.1
C.V. (%)	8.3	15.9	9.1	15.8	4.7	10.0	3.4	8.0	4.6	9.0	3.8	6.7

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

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

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
TECHNIQUE (RZ2)	9.0	8.0	99.0	83.3	9.0	8.3	99.0	86.7	9.0	7.0	97.7	80.0
REGENERATE	9.0	8.0	99.0	83.3	9.0	8.3	97.7	90.0	9.0	7.7	97.7	76.7
B23	9.0	7.7	97.7	83.3	9.0	8.3	94.7	83.3	9.0	7.3	95.0	75.0
OLYMPUS (RAD-TF-88)	8.7	7.3	96.3	78.3	9.0	8.7	94.7	78.3	8.7	6.7	91.7	75.0
CROSSFIRE 4 (IS-TF 310 SEL)	8.7	7.3	94.7	76.7	9.0	8.7	97.7	83.3	9.0	7.0	96.3	73.3
HOT ROD (BURL TF-136)	9.0	8.0	97.7	81.7	9.0	8.7	94.7	83.3	9.0	7.0	97.7	73.3
BIZEM	9.0	7.3	97.7	76.7	9.0	7.7	96.3	83.3	9.0	7.0	97.7	71.7
HEMI	9.0	8.0	97.7	76.7	9.0	8.3	97.7	86.7	9.0	7.3	95.0	71.7
PARAMOUNT (PPG-TF-137)	9.0	7.3	94.7	78.3	8.7	8.0	99.0	90.0	9.0	6.0	96.0	71.7
PPG-TF-169	9.0	7.3	97.7	76.7	9.0	8.0	97.7	85.0	8.7	7.0	95.0	71.7
REBOUNDER (PICK-W43)	9.0	7.0	99.0	76.7	9.0	8.0	96.3	78.3	9.0	7.0	96.3	71.7
REFLECTION (U45)	9.0	7.7	96.3	81.7	9.0	8.3	97.7	90.0	9.0	7.3	93.0	71.7
MEMPHIS (GO-DFR)	9.0	7.7	96.3	78.3	8.7	8.3	93.3	80.0	8.7	6.7	93.3	70.0
PST-5BPO	8.3	7.0	94.7	78.3	8.7	8.0	93.0	85.0	9.0	6.3	91.7	70.0
PST-5EX2	8.0	6.3	90.0	70.0	8.3	7.3	91.7	78.3	8.3	6.3	93.0	70.0
F711	9.0	8.0	97.7	78.3	9.0	8.3	96.0	85.0	9.0	6.7	97.7	68.3
FOXHOUND (IS-TF 284 M2)	9.0	7.3	97.7	75.0	9.0	7.3	96.3	78.3	9.0	6.7	93.3	68.3
GTO (BURL TF-2)	9.0	7.7	99.0	80.0	9.0	9.0	97.7	86.7	9.0	6.7	93.3	68.3
HOVER (BURL TF-69)	9.0	7.0	97.7	78.3	9.0	8.3	96.3	81.7	9.0	6.7	96.0	68.3
PST-5BRK	8.3	7.0	93.3	76.7	8.3	7.7	88.3	76.7	8.3	6.0	90.0	68.3
RAD-TF-89	8.7	7.3	94.7	76.7	8.3	7.7	94.7	86.7	8.7	6.0	90.0	68.3
TEMPLE (DZ1)	9.0	7.0	97.7	78.3	9.0	8.0	97.7	83.3	9.0	6.3	95.0	68.3
BLACK TAIL (PPG-TF-150)	9.0	7.0	97.7	76.7	9.0	7.7	97.7	80.0	9.0	6.7	97.7	66.7
IS-TF 311	9.0	8.0	99.0	80.0	9.0	7.3	90.0	83.3	9.0	6.3	91.7	66.7
NIGHTCRAWLER (IS-TF 285)	9.0	7.0	97.7	73.3	8.3	7.0	99.0	81.7	9.0	6.3	93.3	66.7
SUPERSONIC (PPG-TF-170)	9.0	7.3	96.3	75.0	8.7	7.3	93.3	85.0	9.0	6.3	95.0	66.7
ANNIHILATOR	8.0	6.7	88.3	65.0	7.3	6.0	80.0	70.0	9.0	6.0	90.0	65.0
AQUADUCT	8.3	7.3	93.3	75.0	7.7	6.7	86.7	78.3	8.0	6.0	83.3	65.0
BAR FA 121095	9.0	6.3	96.3	73.3	8.7	7.0	93.0	71.7	8.3	5.7	90.0	65.0
BULLSEYE	9.0	7.3	96.0	75.0	9.0	8.3	97.7	83.3	8.0	6.3	91.7	65.0
CATALYST	8.7	6.7	97.7	75.0	9.0	7.7	96.0	78.3	8.7	5.3	94.7	65.0
EMBRACE (PST-5EV2)	9.0	7.3	97.7	75.0	9.0	7.7	93.3	80.0	9.0	6.3	95.0	65.0
FIRECRACKER SLS (PPG-TF-105)	9.0	7.3	96.3	81.7	8.7	7.7	99.0	85.0	9.0	6.0	96.3	65.0
IS-TF 269 SEL	9.0	8.0	99.0	83.3	9.0	8.0	96.3	81.7	8.7	6.0	95.0	65.0
JS 916	9.0	7.7	96.3	80.0	9.0	8.3	99.0	85.0	9.0	6.0	91.7	65.0
RAPTOR III (ZW 44)	9.0	7.3	97.7	76.7	9.0	7.7	97.7	78.3	8.7	6.0	97.7	65.0
ATF 1704	9.0	7.7	97.7	80.0	9.0	8.0	96.3	85.0	9.0	6.0	93.0	63.3
AVENGER II (PPG-TF-156)	9.0	7.3	97.7	76.7	9.0	8.0	97.7	83.3	8.7	6.0	94.7	63.3
IS-TF 308 SEL	9.0	7.7	97.7	80.0	8.7	8.3	97.7	88.3	9.0	7.0	99.0	63.3
KINGDOM (DB1)	9.0	7.0	97.7	75.0	9.0	8.7	97.7	83.3	8.7	5.7	91.7	63.3
MERIDIAN (PST-5GRB)	9.0	8.3	97.7	88.3	8.7	8.3	96.0	85.0	8.3	6.0	90.0	63.3
PSG-GSD	9.0	7.7	94.7	75.0	8.3	7.0	97.7	81.7	8.3	6.0	86.7	63.3
RAD-TF-92	9.0	8.0	93.3	81.7	9.0	8.0	96.3	85.0	9.0	5.7	92.7	63.3
RHAMBLER 2 SRP (LSD)	9.0	8.3	97.7	83.3	9.0	8.0	94.7	85.0	8.7	7.0	94.7	63.3
VALKYRIE LS (PPG-TF-172)	9.0	6.3	96.0	76.7	9.0	7.0	97.7	80.0	8.7	6.0	94.7	63.3

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
XTENDER (PPG-TF-139)	9.0	7.3	96.0	78.3	9.0	8.0	96.3	80.0	8.0	5.3	93.3	63.3
204 RES. BLK4	8.7	6.7	93.3	70.0	9.0	6.7	97.7	78.3	9.0	6.3	93.3	61.7
BLOODHOUND (MET 6 SEL)	9.0	6.7	97.7	63.3	8.7	6.3	97.7	75.0	9.0	6.0	95.0	61.7
COMP. RES. SST	9.0	7.3	93.0	68.3	8.3	6.0	93.0	75.0	8.3	6.0	83.3	61.7
JS 819	9.0	7.3	95.0	76.7	7.7	6.3	86.7	71.7	8.0	5.3	86.7	61.7
K12-05	9.0	7.3	96.3	70.0	8.7	7.3	94.7	71.7	8.7	5.7	94.7	61.7
MICHELANGELO (LTP-F5DPDR)	8.7	7.3	96.3	80.0	9.0	7.7	94.7	81.7	8.7	6.3	91.3	61.7
TEMPTATION (OR-21)	9.0	5.7	96.3	65.0	8.3	6.0	94.7	71.7	8.7	5.0	90.0	61.7
W41	9.0	7.3	96.3	76.7	9.0	8.3	97.7	86.7	8.7	6.0	93.3	61.7
4TH MILLENNIUM SRP (U43)	9.0	8.0	94.7	80.0	9.0	7.7	96.3	80.0	9.0	6.7	96.0	60.0
FALCON V	8.7	6.0	95.0	70.0	8.7	7.0	88.3	73.3	8.7	5.0	91.7	60.0
FIREWALL (PSG-WE1)	9.0	7.3	94.7	76.7	8.7	7.3	94.7	76.7	9.0	6.3	97.7	60.0
GRANDE 3	9.0	6.3	96.3	70.0	8.7	7.3	97.7	81.7	8.7	6.0	93.3	60.0
JS 809	9.0	7.0	94.7	78.3	9.0	7.0	96.3	73.3	8.0	6.7	86.7	60.0
K12-13	9.0	7.3	97.7	73.3	9.0	8.0	96.3	80.0	8.7	6.0	90.0	60.0
MAESTRO (T31)	9.0	7.7	99.0	81.7	9.0	8.0	96.0	83.3	8.7	5.7	93.3	60.0
MET 1	9.0	7.3	97.7	75.0	9.0	7.7	96.3	86.7	9.0	6.0	94.7	60.0
PPG-TF-135	9.0	6.3	93.3	71.7	9.0	8.3	96.3	85.0	9.0	5.7	93.3	60.0
PSG-8BP2	9.0	7.0	93.3	75.0	8.0	6.7	81.7	71.7	8.0	5.7	83.3	60.0
PSG-TT4	8.3	6.0	88.3	66.7	8.3	6.7	85.0	71.7	8.0	5.0	81.7	60.0
ROWDY (SRX-TPC)	9.0	7.7	99.0	78.3	8.7	8.0	97.7	85.0	9.0	5.7	94.7	60.0
SALTILLO (PST-5SALT)	9.0	7.0	91.7	75.0	9.0	8.0	95.0	83.3	8.7	6.0	91.7	60.0
SCREAMER LS (PPG-TF-148)	9.0	6.3	96.0	71.7	9.0	7.7	97.7	81.7	9.0	5.3	94.7	60.0
SWAGGER (PST-5R05)	8.7	6.7	94.7	75.0	8.3	6.0	83.3	68.3	8.0	5.7	91.7	60.0
IS-TF 276 M2	8.0	7.0	91.7	73.3	8.3	7.3	94.7	71.7	8.3	6.0	91.7	58.3
PST-5MVD	8.3	6.0	93.3	70.0	9.0	7.7	91.7	78.3	8.7	5.0	88.3	58.3
RHIZING MOON (IS-TF 305 SEL)	9.0	6.7	97.7	73.3	8.7	7.3	97.7	78.3	9.0	6.3	94.7	58.3
THOR (PPG-TF-157)	9.0	7.0	97.7	75.0	9.0	8.7	97.7	90.0	9.0	5.7	96.3	58.3
TITANIUM 2LS (PPG-TF-152)	9.0	7.3	94.7	78.3	8.7	7.3	91.3	78.3	9.0	5.7	94.7	58.3
ATF 1612	9.0	7.0	96.3	78.3	9.0	8.0	96.3	83.3	8.7	6.0	90.0	56.7
ATF 1754	9.0	7.3	97.7	73.3	8.7	7.0	95.0	71.7	8.7	4.7	90.0	56.7
FALCON IV	8.3	6.3	88.3	73.3	9.0	7.7	88.3	73.3	8.3	5.0	86.7	56.7
INSPIRATION (PST-R5NW)	8.7	7.3	93.3	76.7	8.3	7.7	88.3	80.0	8.3	5.7	90.0	56.7
MET-3	9.0	7.7	96.3	78.3	9.0	8.0	96.3	83.3	9.0	5.7	93.3	56.7
RAIN DANCE (PST-5SDT)	8.7	6.7	93.3	73.3	8.3	6.3	85.0	73.3	8.0	5.3	86.7	56.7
WARHAWK	7.3	5.7	80.0	56.7	7.3	5.7	81.7	65.0	8.0	5.0	90.0	56.7
BAR FA 121091	8.3	6.0	90.0	71.7	8.3	6.3	86.7	73.3	8.0	4.3	90.0	55.0
FAYETTE (IS-TF 291)	9.0	7.3	96.3	80.0	9.0	7.3	97.7	78.3	8.7	5.7	96.0	55.0
FIREBIRD 2	9.0	7.0	97.7	73.3	8.7	8.0	97.7	80.0	9.0	6.0	94.7	55.0
HOUND08 (IS-TF 307 SEL)	9.0	7.7	97.7	80.0	8.3	7.3	94.7	81.7	8.7	5.7	96.3	55.0
IS-TF-287	9.0	7.0	97.7	76.7	8.7	7.3	91.3	80.0	8.7	6.3	88.3	55.0
REBEL V (ATF 1736)	8.3	6.0	93.3	66.7	9.0	7.7	94.7	75.0	8.3	5.0	93.3	55.0
TRAVERSE 2 SRP (W45)	9.0	7.3	96.3	75.0	9.0	7.7	97.7	85.0	9.0	6.0	96.3	55.0
UNITUS (IS-TF 289)	9.0	7.0	97.7	73.3	8.3	6.7	91.3	81.7	8.7	5.0	90.0	55.0
AMITY (CCR2)	9.0	6.0	99.0	76.7	9.0	7.3	97.7	78.3	9.0	5.0	96.3	53.3

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FRONTLINE (EXP TF-09)	8.3	6.3	90.0	66.7	8.3	7.3	85.0	76.7	8.0	5.3	85.0	53.3
IS-TF 272	8.7	6.0	96.3	68.3	8.3	7.0	93.0	75.0	8.7	6.0	90.0	53.3
JS 818	9.0	7.0	95.0	71.7	8.0	7.3	91.7	75.0	8.3	6.0	86.7	53.3
MARAUDER	8.3	5.0	88.3	56.7	8.0	5.7	91.3	65.0	8.7	4.7	89.7	53.3
RAD-TF-83	8.7	6.0	93.0	60.0	9.0	6.3	91.3	73.3	8.3	5.3	93.3	53.3
ROCKWELL (LTP-TWUU)	9.0	8.3	97.7	76.7	9.0	8.0	96.3	76.7	8.7	5.3	91.7	53.3
TURFWAY (IS-TF 282 M2)	8.7	7.0	97.7	76.7	8.3	6.7	88.3	73.3	9.0	5.0	94.7	53.3
BAR FA 121089	8.7	6.0	90.0	66.7	8.0	6.0	88.3	75.0	8.3	4.3	91.7	51.7
DIABLO (IS-TF 330)	9.0	7.3	95.0	75.0	9.0	7.0	97.7	80.0	9.0	6.0	93.3	51.7
FAITH	9.0	6.0	97.7	70.0	9.0	7.3	93.0	76.7	8.7	5.0	90.0	51.7
PPG-TF-138	9.0	7.0	99.0	75.0	9.0	8.0	97.7	81.7	8.3	4.7	88.3	51.7
CAESAR (TY 10)	9.0	6.7	94.7	71.7	8.7	6.7	93.3	76.7	8.3	5.0	93.3	50.0
FESNOVA	9.0	7.3	93.0	73.3	8.7	6.7	93.3	71.7	9.0	4.7	86.7	50.0
PSG-PO1	8.3	5.3	96.0	65.0	8.7	7.0	94.7	71.7	9.0	5.3	94.7	50.0
THUNDERSTRUCK (TD1)	8.7	5.7	97.7	66.7	8.7	6.3	94.7	68.3	8.3	5.0	88.3	50.0
DYNAMITE LS (PPG-TF-145)	9.0	7.3	94.7	75.0	8.3	7.0	95.0	73.3	8.0	4.7	85.0	48.3
BAR FA 120878	7.0	5.7	76.7	56.7	7.0	5.3	75.0	65.0	7.0	4.7	73.3	46.7
K12-MCD	9.0	7.0	97.7	70.0	8.7	7.0	88.3	70.0	8.3	4.7	91.7	46.7
PPG-TF-115	8.7	6.3	96.3	71.7	8.3	6.0	95.0	71.7	8.0	4.3	91.7	46.7
LEONARDO (LTP-FSD)	8.7	6.3	95.0	68.3	9.0	7.7	93.0	75.0	8.3	5.0	90.0	45.0
PST-5DZP	9.0	6.7	95.0	71.7	9.0	7.3	91.7	76.7	8.0	4.0	86.7	45.0
ARES (PPG-TF-142)	9.0	6.0	95.0	68.3	8.3	7.3	93.0	73.3	8.0	4.7	91.7	43.3
WICHITA (PPG-TF-151)	8.7	6.3	94.7	71.7	8.3	5.7	96.3	66.7	9.0	3.3	97.7	43.3
JS 825	8.0	6.0	91.7	68.3	8.3	6.3	88.3	68.3	7.7	4.3	78.3	41.7
TERRANO	9.0	7.7	91.7	75.0	9.0	7.0	96.3	71.7	8.0	3.7	88.3	41.7
KY-31	6.0	4.3	73.3	50.0	6.3	5.0	71.7	53.3	6.7	3.7	70.0	40.0
LSD VALUE	0.5	1.5	4.9	12.3	0.6	1.7	7.2	12.1	0.7	2.3	8.4	27.2
C.V. (%)	3.7	11.7	3.3	9.0	4.5	12.3	4.7	8.6	5.0	18.6	5.2	18.8

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2016 DATA

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

NAME	GENETIC COLOR	MAY	PERCENT LIVING GROUND COVER RATINGS					POA ANNUA	RATINGS												MEAN
			JULY	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ATF 1736	7.3	96.0	93.0	96.3	96.0	87.0	81.3	8.7	5.0	5.0	7.3	9.0	8.7	7.7	8.0	7.7	9.0	6.3	6.7	6.7	7.3
ARES (PPG-TF-142)	7.3	96.0	94.0	96.3	88.3	83.7	80.7	8.7	5.3	5.0	7.0	8.3	8.3	7.3	8.0	7.3	9.0	6.7	7.3	6.7	7.2
DIABLO (IS-TF 330)	7.7	96.3	94.7	96.0	87.7	80.7	78.7	9.0	5.0	5.0	6.7	8.3	9.0	8.0	8.0	7.7	8.7	7.0	7.0	6.3	7.2
FIRECRACKER SLS (PPG-TF-105)	7.3	95.7	90.0	95.3	92.3	87.7	85.3	8.7	5.3	5.3	6.7	9.0	8.3	8.0	7.3	7.0	8.7	6.7	7.3	7.0	7.2
PST-5DZP	7.7	96.0	94.3	96.0	97.3	83.3	79.0	9.0	5.0	5.0	7.0	8.3	8.0	8.0	8.0	7.7	9.0	6.7	7.3	6.7	7.2
UNITUS (IS-TF 289)	8.0	95.7	94.7	95.3	92.0	71.7	68.7	9.0	5.3	5.0	6.7	8.3	8.3	8.0	8.0	7.3	9.0	6.7	7.3	6.0	7.2
ATF 1704	7.0	96.0	94.0	96.0	85.3	80.3	75.7	8.7	5.0	5.3	7.0	8.3	8.3	7.7	8.0	7.7	8.7	6.0	7.0	6.3	7.1
CROSSFIRE 4 (IS-TF 310 SEL)	7.7	96.0	92.7	95.7	85.3	80.0	79.3	8.7	5.0	5.0	6.7	8.7	8.7	7.3	7.7	7.7	8.7	6.3	6.3	6.7	7.1
FALCON IV	7.0	96.0	91.0	95.3	96.3	86.3	83.3	8.7	5.3	5.0	7.0	9.0	9.0	7.7	7.0	7.0	8.0	6.3	7.3	6.7	7.1
FAYETTE (IS-TF 291)	7.7	94.7	94.0	95.7	86.0	76.7	74.7	9.0	5.3	5.0	7.0	8.3	8.0	8.0	8.0	7.3	9.0	6.0	6.7	6.7	7.1
FIREWALL (PSG-WE1)	7.0	95.7	92.0	96.0	83.7	80.3	72.7	9.0	5.0	5.0	6.7	8.3	8.7	8.0	7.3	8.0	8.7	6.0	6.7	6.3	7.1
GRANDE 3	7.3	95.7	94.7	94.7	91.7	84.3	80.3	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.7	8.7	6.3	6.3	6.3	7.1
GTO (BURL TF-2)	7.7	96.0	94.3	95.0	88.7	82.0	76.0	8.7	5.0	5.3	6.7	8.7	8.7	7.3	8.0	8.0	9.0	6.0	6.7	6.0	7.1
HEMI	7.3	96.0	93.7	95.3	85.0	85.7	81.3	8.7	5.0	5.0	7.3	8.7	8.7	7.7	7.7	7.7	8.7	5.7	6.3	7.0	7.1
IS-TF 272	8.3	95.7	93.3	96.0	90.7	83.7	78.7	8.7	5.0	5.0	6.7	8.3	8.3	7.7	7.7	7.3	8.7	6.3	7.0	6.7	7.1
IS-TF-287	7.3	96.0	94.3	95.3	89.3	77.3	73.7	9.0	5.0	5.0	7.0	8.3	8.3	8.0	8.0	7.3	8.7	6.3	6.7	6.0	7.1
MERIDIAN (PST-5GRB)	6.7	95.7	93.0	96.3	97.3	83.0	75.0	8.7	5.3	5.0	6.3	8.7	8.7	8.0	7.7	7.3	9.0	6.7	7.0	6.0	7.1
ROWDY (SRX-TPC)	7.3	95.3	94.0	95.7	91.7	81.0	76.3	9.0	5.3	5.3	7.0	8.7	8.3	8.0	7.7	7.0	8.7	6.0	7.0	6.7	7.1
TEMPTATION (OR-21)	7.7	95.3	93.3	95.7	86.3	75.3	75.7	8.7	5.3	5.3	7.3	8.3	8.3	7.7	7.7	7.3	9.0	6.0	6.3	6.3	7.1
WARHAWK	7.3	94.7	93.3	95.7	89.3	84.0	80.7	9.0	5.3	5.0	7.0	8.0	8.7	8.0	7.7	7.0	8.7	6.3	7.0	6.7	7.1
WICHITA (PPG-TF-151)	7.0	96.0	92.0	95.7	96.0	82.3	80.3	8.3	5.0	5.0	7.0	8.3	8.3	7.3	7.3	8.0	9.0	6.0	7.0	6.3	7.1
ATF 1612	7.3	95.7	93.3	96.0	85.0	80.0	78.3	8.3	5.3	5.0	6.7	8.7	8.3	7.3	8.0	7.3	8.7	5.7	6.3	6.3	7.0
B23	8.0	95.0	95.0	96.3	92.7	75.7	75.0	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.3	9.0	5.7	6.3	6.0	7.0
FESNOVA	7.7	94.7	92.7	95.0	88.0	72.3	67.0	9.0	5.0	5.0	7.0	7.7	8.3	8.0	7.7	7.0	8.7	6.3	6.7	6.3	7.0
FOXHOUND (IS-TF 284 M2)	7.7	95.0	92.7	95.7	81.7	79.3	73.3	8.3	5.0	5.0	6.7	8.7	8.3	7.0	7.3	8.0	9.0	6.0	6.7	6.3	7.0
HOT ROD (BURL TF-136)	8.0	96.0	91.7	95.3	82.7	78.0	75.3	8.7	5.3	5.0	6.7	8.0	8.7	7.3	7.3	8.0	9.0	5.3	6.3	6.7	7.0
INSPIRATION (PST-R5NW)	7.3	95.0	93.3	95.7	98.0	83.7	77.7	8.0	5.0	5.0	6.3	8.3	8.0	7.0	7.7	7.0	9.0	7.0	7.3	6.3	7.0
IS-TF 276 M2	8.0	95.7	92.3	95.7	86.7	79.3	79.3	8.7	5.0	5.0	7.0	8.3	8.3	7.3	7.7	7.0	9.0	6.7	7.0	6.0	7.0
IS-TF 308 SEL	7.3	95.0	93.7	96.0	94.7	77.7	73.7	8.7	5.0	5.0	6.7	8.3	8.0	7.7	7.7	8.0	9.0	6.3	6.7	5.7	7.0
MAESTRO (T31)	7.3	95.0	90.7	96.0	94.3	81.3	79.0	8.3	5.0	5.0	7.3	8.3	8.0	7.0	7.0	7.7	9.0	6.0	6.7	6.7	7.0
PPG-TF-115	7.7	95.7	93.0	96.0	92.7	81.7	78.0	8.7	5.0	5.0	7.0	8.3	8.3	7.7	7.7	7.0	8.7	6.3	6.7	6.3	7.0
PPG-TF-169	7.0	95.7	92.3	95.3	87.3	81.3	76.7	8.7	5.0	5.0	7.3	8.7	8.7	7.3	7.7	7.0	9.0	5.7	6.7	6.3	7.0
PST-5BP0	7.0	95.7	94.0	96.0	85.0	77.0	74.7	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.0	8.7	6.3	6.7	5.7	7.0
REFLECTION (U45)	7.7	95.3	90.3	95.0	88.3	82.0	72.7	8.3	5.0	5.0	7.0	8.7	8.3	7.3	7.0	8.0	9.0	6.0	6.7	6.3	7.0
RHIZING MOON (IS-TF 305 SEL)	7.7	95.7	91.0	96.0	85.3	83.7	79.3	8.3	5.0	5.0	7.0	8.3	8.0	7.0	7.3	8.0	9.0	6.3	6.7	6.7	7.0
TITANIUM 2LS (PPG-TF-152)	7.0	95.7	91.0	95.3	83.7	80.0	76.0	8.3	5.3	5.0	7.3	8.3	8.0	7.3	7.0	8.0	9.0	6.0	6.7	6.3	7.0
TURFWAY (IS-TF 282 M2)	7.7	95.0	92.3	96.0	72.3	75.0	77.3	8.7	5.3	5.0	7.7	8.7	8.0	7.3	7.7	8.0	8.7	5.3	5.7	6.3	7.0
VALKYRIE LS (PPG-TF-172)	7.3	94.3	91.7	95.7	82.0	77.7	77.3	8.3	5.3	5.3	6.7	8.3	8.3	7.0	7.3	7.3	9.0	6.3	6.7	6.0	7.0
AQUADUCT	7.3	95.0	92.3	95.3	87.7	80.0	75.7	8.7	5.0	5.0	6.3	8.0	8.3	7.7	7.7	6.7	8.3	6.3	7.0	6.0	6.9
AVENGER II (PPG-TF-156)	7.3	95.3	94.3	95.7	95.0	79.3	77.0	8.3	5.0	4.7	6.7	8.7	8.0	7.3	8.0	7.7	8.7	6.0	6.3	6.3	6.9
BAR FA 121089	7.0	94.3	90.7	95.7	97.0	79.7	78.3	8.7	5.3	5.0	6.7	8.0	8.0	7.3	7.0	7.3	8.7	6.0	6.7	6.3	6.9
BIZEM	7.3	94.3	93.7	95.3	91.7	69.0	67.7	8.7	5.0	4.7	7.0	8.3	8.0	7.7	7.7	8.0	9.0	6.0	6.3	5.7	6.9
F711	7.7	94.7	94.0	96.0	82.3	73.0	62.7	8.7	5.0	5.0	6.3	8.3	8.0	7.7	8.0	7.0	9.0	5.7	6.3	6.0	6.9
HOUNDOG8 (IS-TF 307 SEL)	7.7	96.0	91.0	95.7	95.0	65.0	62.3	8.7	5.0	5.0	6.3	8.0	8.7	7.3	7.3	7.7	8.3	7.0	7.0	5.3	6.9
IS-TF 311	8.0	95.0	93.7	95.3	93.3	76.7	71.7	9.0	5.0	5.0	6.0	8.0	8.0	8.0	8.0	7.3	8.7	6.3	6.7	5.7	6.9

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2016 DATA

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

NAME	GENETIC COLOR	MAY	PERCENT LIVING GROUND COVER RATINGS					POA ANNUA													MEAN
			JULY	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
K12-05	8.3	94.0	90.3	95.7	86.3	75.0	71.7	8.3	5.0	4.7	6.3	8.0	8.0	7.0	7.0	7.7	9.0	6.7	7.3	6.0	6.9
K12-13	7.3	95.3	91.3	96.0	83.0	77.0	78.7	8.3	5.0	4.7	6.7	8.7	8.3	7.3	7.3	7.3	9.0	6.0	6.7	6.3	6.9
LEONARDO (LTP-FSD)	7.3	94.7	94.3	96.0	76.7	73.7	71.0	9.0	5.0	5.0	7.0	8.3	8.0	8.0	8.0	7.3	8.7	5.7	5.7	6.0	6.9
MEMPHIS (GO-DFR)	7.7	95.7	89.3	95.3	86.0	79.3	83.7	8.0	5.0	5.0	6.3	8.3	8.7	6.7	6.7	7.0	9.0	6.7	7.0	6.0	6.9
PSG-8BP2	7.0	95.7	92.3	95.3	91.7	79.3	75.7	8.7	5.0	5.0	6.3	8.7	8.0	7.7	7.3	7.0	8.7	6.3	6.3	6.3	6.9
PSG-GSD	7.0	94.7	92.3	96.0	99.0	79.7	78.7	9.0	5.0	5.0	6.3	8.3	8.0	8.0	7.3	7.0	8.7	6.0	7.0	6.0	6.9
RAPTOR III (ZW 44)	7.3	95.0	94.0	95.7	84.7	78.0	75.3	8.7	5.0	5.0	7.0	8.0	7.0	7.3	8.0	7.7	9.0	6.0	6.0	6.7	6.9
RHAMBLER 2 SRP (LSD)	7.3	95.0	93.0	95.7	89.0	84.7	81.3	8.0	5.0	5.0	6.3	8.3	8.3	7.3	7.7	7.0	8.7	6.0	6.7	6.3	6.9
ROCKWELL (LTP-TWUJ)	7.3	95.0	93.3	96.0	84.7	72.0	71.7	9.0	5.0	5.3	6.7	8.3	8.3	8.0	8.0	7.3	9.0	5.7	5.7	6.0	6.9
SALTILLO (PST-5SALT)	6.7	95.0	93.0	96.3	83.3	70.3	68.0	8.3	5.0	5.0	6.3	8.7	8.3	8.0	7.7	7.0	8.7	6.0	6.3	5.3	6.9
THUNDERSTRUCK (TD1)	7.7	95.7	93.3	95.7	86.3	81.7	77.3	8.7	5.0	5.0	6.3	8.3	8.0	7.7	8.0	7.3	9.0	5.3	6.3	6.3	6.9
TRAVERSE 2 SRP (W45)	7.7	94.7	93.0	95.3	80.0	73.3	73.0	8.7	5.0	5.0	7.3	8.0	8.0	7.3	7.7	7.7	8.7	5.3	6.3	6.3	6.9
XTENDER (PPG-TF-139)	7.7	94.3	91.0	95.7	92.7	80.7	77.0	8.3	5.3	5.0	6.7	7.7	7.7	7.0	7.0	8.0	9.0	6.0	6.7	6.3	6.9
ATF 1754	7.3	93.7	93.3	95.7	84.0	79.0	79.0	8.7	5.3	5.0	6.7	8.3	8.0	7.7	8.0	7.3	8.7	5.0	6.0	6.0	6.8
BAR FA 121091	7.3	94.3	90.3	95.3	92.3	72.7	70.0	8.0	5.0	4.7	6.3	8.0	8.0	7.0	7.3	7.0	8.7	6.7	7.0	6.0	6.8
FAITH	7.0	95.3	93.0	96.0	86.7	76.7	73.3	8.7	5.0	5.0	6.7	8.0	8.0	7.3	8.0	7.0	9.0	5.7	6.3	6.0	6.8
FALCON V	6.7	95.7	90.0	96.0	95.3	87.7	85.0	8.0	5.0	4.7	6.7	8.3	8.3	7.0	7.0	6.7	8.7	6.0	6.3	6.3	6.8
FRONTLINE (EXP TF-09)	8.0	96.0	92.7	94.7	86.7	67.3	77.3	8.3	4.7	4.7	6.7	8.3	9.0	7.0	7.7	7.0	8.3	6.0	6.7	5.7	6.8
IS-TF 269 SEL	8.0	95.7	93.0	95.7	85.0	70.7	69.3	8.3	5.0	5.0	6.0	8.0	8.3	7.0	7.7	8.0	8.7	5.7	6.0	6.0	6.8
K12-MCD	7.0	93.7	91.0	95.3	85.3	68.0	66.7	8.0	5.3	4.7	6.3	8.7	8.3	6.7	7.0	7.0	8.3	6.0	6.7	6.0	6.8
MET-3	7.7	94.3	91.7	95.3	93.3	76.7	74.3	8.0	5.0	4.7	6.3	8.0	8.0	7.3	7.3	7.0	8.7	6.0	7.0	6.0	6.8
NIGHTCRAWLER (IS-TF 285)	7.3	94.3	93.3	96.0	85.7	69.3	69.3	8.7	5.0	5.0	6.3	7.7	8.0	7.7	8.0	7.3	8.7	5.7	6.3	6.0	6.8
PSG-P01	7.3	95.7	93.0	96.0	84.0	73.3	74.3	8.7	5.0	5.0	6.0	8.3	8.7	7.3	8.0	7.0	9.0	5.7	6.3	5.7	6.8
PST-5MVD	7.0	94.0	89.3	96.0	91.3	73.3	72.3	8.3	5.0	5.0	6.7	8.0	7.7	7.3	6.7	6.7	8.7	6.7	7.0	5.7	6.8
REBOUNDER (PICK-W43)	8.0	95.7	91.3	95.3	89.3	66.3	69.7	8.3	5.0	4.7	7.0	8.3	8.3	6.7	7.0	8.0	8.7	5.7	6.3	6.0	6.8
SCREAMER LS (PPG-TF-148)	6.7	95.0	93.0	95.3	81.7	78.0	74.7	8.7	5.0	4.7	6.7	8.3	8.0	7.7	7.7	7.3	9.0	5.3	6.3	6.0	6.8
SUPERSONIC (PPG-TF-170)	7.3	95.0	90.0	95.7	95.3	79.0	73.3	7.7	5.0	4.7	6.3	8.7	8.0	6.3	7.3	7.0	8.7	6.3	6.7	6.3	6.8
THOR (PPG-TF-157)	7.3	95.3	90.7	95.7	83.3	79.0	81.7	8.0	5.0	4.3	6.3	9.0	8.3	6.7	7.0	7.7	8.7	6.0	6.3	6.7	6.8
BLACK TAIL (PPG-TF-150)	7.3	94.0	92.3	95.7	78.0	58.7	65.3	9.0	5.0	4.3	6.0	8.0	7.7	8.0	7.7	7.7	9.0	5.7	6.0	5.0	6.7
BULLSEYE	6.7	95.7	93.0	95.0	72.0	68.7	74.0	8.7	5.0	5.0	6.3	8.0	9.0	7.7	7.7	7.3	8.7	5.0	5.7	5.3	6.7
CATALYST	7.7	94.3	94.0	95.0	78.3	63.3	57.0	9.0	5.0	4.7	6.7	7.7	8.0	8.0	8.0	6.7	9.0	5.3	5.7	5.3	6.7
DYNAMITE LS (PPG-TF-145)	7.3	94.0	93.0	96.0	85.7	76.7	76.3	8.7	5.0	4.7	6.3	7.7	7.7	7.3	7.7	7.0	9.0	5.7	6.3	6.3	6.7
EMBRACE (PST-5EV2)	7.3	94.3	91.7	96.0	85.7	71.0	72.3	8.0	5.0	5.0	6.0	8.0	8.0	7.0	7.7	7.3	8.7	6.0	6.3	5.3	6.7
MET 1	7.0	94.3	90.7	96.0	89.0	78.7	77.3	8.3	5.0	5.0	6.3	8.0	6.7	7.0	7.3	7.3	9.0	6.3	6.3	6.0	6.7
OLYMPUS (RAD-TF-88)	7.0	93.0	93.0	95.3	86.7	76.3	73.3	9.0	5.0	5.0	6.0	7.3	7.3	8.0	7.3	7.0	8.3	6.7	6.7	6.0	6.7
PSG-TT4	7.3	95.3	92.3	96.0	86.7	71.3	72.0	8.3	5.0	5.0	6.0	8.0	8.3	6.7	7.7	7.0	8.7	6.3	6.7	5.3	6.7
RAD-TF-89	7.0	96.0	86.0	95.3	95.0	75.0	76.3	7.7	5.0	4.7	6.7	8.7	8.7	6.7	6.7	6.7	9.0	5.7	6.0	6.3	6.7
RAIN DANCE (PST-5SDT)	7.0	95.3	93.0	95.7	88.0	70.0	64.3	8.7	5.0	5.0	6.0	8.0	8.0	7.7	7.7	7.3	8.0	6.0	6.7	5.3	6.7
SWAGGER (PST-5R05)	7.0	94.3	91.7	96.0	84.7	70.0	69.3	8.0	5.0	4.7	6.3	8.0	8.0	7.0	7.3	7.0	8.7	6.0	6.7	6.0	6.7
TECHNIQUE (RZ2)	7.7	93.7	92.3	95.7	78.3	60.3	62.3	8.7	5.0	4.3	6.3	7.3	8.0	7.7	7.3	7.7	8.7	6.0	6.3	5.7	6.7
W41	7.7	94.3	92.3	95.7	80.0	70.7	69.0	8.3	5.0	4.7	6.3	7.7	7.3	7.0	7.7	8.0	9.0	5.7	6.3	5.7	6.7
4TH MILLENNIUM SRP (U43)	7.0	93.0	92.0	95.3	67.3	73.0	68.0	8.7	4.7	4.7	6.3	7.3	7.7	7.7	7.3	7.3	8.7	5.0	5.7	6.3	6.6
HOVER (BURL TF-69)	7.3	96.0	88.7	95.3	87.7	72.3	69.3	8.0	5.0	5.0	6.0	8.0	8.7	6.7	6.7	7.0	8.7	6.0	6.3	5.7	6.6
JS 809	6.7	92.3	93.7	94.7	72.3	68.3	64.7	8.7	5.3	4.7	5.7	7.0	7.3	7.7	8.0	7.0	8.7	5.3	6.0	6.0	6.6
PARAMOUNT (PPG-TF-137)	7.7	92.7	91.7	95.7	79.3	69.0	63.7	8.7	4.7	4.7	6.0	7.7	7.7	7.3	7.3	7.7	8.7	5.7	6.3	6.0	6.6

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2016 DATA

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

NAME	GENETIC COLOR	MAY	PERCENT LIVING GROUND COVER RATINGS					POA ANNUA	RATINGS												MEAN
			JULY	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-TF-135	7.7	93.7	94.7	95.7	73.0	58.3	61.3	8.7	4.7	4.3	6.3	7.7	8.3	8.0	8.0	7.3	9.0	4.7	5.3	5.3	6.6
PST-5BRK	7.3	94.3	93.0	96.0	83.3	65.0	64.0	8.7	5.0	5.0	6.3	7.7	8.0	7.3	8.0	7.3	8.3	5.7	5.7	5.3	6.6
TEMPLE (DZ1)	7.3	94.7	94.7	96.0	61.7	66.7	67.7	9.0	5.0	5.0	6.3	8.0	7.7	8.0	8.0	7.3	9.0	4.0	5.0	6.0	6.6
TERRANO	7.7	94.0	91.0	95.0	70.0	61.7	59.7	8.7	5.0	5.0	6.7	7.7	7.7	7.3	7.3	6.7	8.3	5.3	6.0	5.7	6.6
AMITY (CCR2)	7.3	94.3	89.0	96.0	83.0	65.3	68.0	8.0	5.0	4.7	6.0	7.7	8.0	6.7	6.7	7.3	9.0	5.3	6.0	5.7	6.5
BAR FA 121095	7.0	92.7	91.7	95.0	90.7	73.0	75.3	8.3	5.0	4.7	5.7	7.3	7.3	7.0	7.3	6.7	8.0	6.7	7.0	5.7	6.5
FIREBIRD 2	7.3	94.3	92.7	95.0	77.0	62.7	63.7	8.7	4.7	4.7	6.3	8.0	7.7	7.3	7.3	7.3	8.0	5.3	5.7	5.7	6.5
JS 819	7.3	92.0	92.3	95.3	75.7	63.3	64.7	8.7	4.7	4.7	6.3	7.3	7.3	7.7	7.3	7.3	8.7	5.3	6.0	5.7	6.5
JS 825	7.0	92.3	93.7	95.7	84.7	65.3	65.0	9.0	5.0	4.3	5.7	7.3	7.3	8.0	7.7	7.0	8.7	5.7	6.3	5.3	6.5
KINGDOM (DB1)	7.0	93.3	91.3	96.0	89.0	68.7	68.0	8.0	5.0	5.0	6.0	7.7	7.7	6.7	7.0	7.3	8.7	5.3	6.3	5.3	6.5
MARAUDER	7.0	93.3	92.0	95.7	83.0	64.0	67.3	9.0	5.0	4.7	5.7	7.7	8.0	8.0	7.3	6.3	8.7	5.3	6.0	5.7	6.5
PPG-TF-138	7.3	92.7	93.3	96.3	77.0	61.3	63.7	8.7	5.0	4.7	6.0	7.0	7.7	7.3	7.7	7.3	9.0	5.0	5.3	5.7	6.5
RAD-TF-83	7.3	94.3	91.7	94.0	88.0	64.3	67.3	8.0	5.0	4.7	6.3	8.0	7.7	7.0	7.3	7.3	7.7	5.3	6.0	5.3	6.5
RAD-TF-92	7.7	94.0	91.0	94.0	74.3	70.7	78.0	8.7	5.0	4.7	6.0	7.7	7.7	7.3	7.0	7.3	8.0	5.3	6.0	5.3	6.4
204 RES. BLK4	7.0	93.7	91.7	96.3	70.3	66.7	61.3	8.3	5.0	4.7	5.7	7.3	7.7	7.0	7.3	7.0	8.7	4.7	5.3	5.3	6.3
ANNIHILATOR	7.0	93.3	89.7	94.3	73.3	71.3	69.7	8.3	5.0	4.7	6.0	7.3	8.0	7.3	7.0	6.0	7.3	5.3	6.0	5.7	6.3
BAR FA 120878	6.7	93.0	87.7	96.3	85.3	66.3	77.0	7.7	5.3	4.7	5.7	7.3	7.3	6.7	7.0	5.7	8.3	6.0	6.3	5.7	6.3
BLOODHOUND (MET 6 SEL)	7.0	93.3	92.7	95.7	83.7	52.3	57.3	8.3	5.0	4.3	5.7	7.3	7.7	7.0	7.7	7.0	8.3	5.0	5.3	4.7	6.3
CAESAR (TY 10)	7.0	93.3	92.7	95.3	72.3	53.7	58.0	8.3	4.7	4.0	5.7	7.3	7.7	7.3	7.7	7.3	8.7	4.7	5.0	5.3	6.3
COMP. RES. SST	6.7	94.0	90.0	95.7	77.0	74.0	72.7	8.3	4.7	4.3	6.0	7.3	8.0	7.0	6.7	7.0	8.7	4.7	5.7	6.0	6.3
JS 818	7.0	92.3	90.3	95.7	80.7	58.3	61.0	8.0	5.0	5.0	5.3	7.3	7.3	7.0	7.0	7.3	8.3	5.3	5.7	5.0	6.3
JS 916	7.3	92.0	92.0	96.0	63.3	54.0	55.7	8.7	4.7	4.3	6.0	7.0	7.7	7.3	7.3	7.3	9.0	4.7	5.7	4.7	6.3
MICHELANGELO (LTP-F5DPDR)	6.3	93.3	92.7	95.7	63.3	51.3	54.3	8.3	4.7	4.3	5.7	7.7	7.7	7.0	7.7	7.3	8.7	4.3	4.7	4.7	6.2
REGENERATE	7.3	90.0	92.3	96.0	70.3	40.3	44.0	8.7	4.7	4.3	6.3	6.3	7.0	7.7	7.7	7.0	9.0	4.3	5.0	4.7	6.2
PST-5EX2	6.7	94.3	93.0	96.0	56.3	46.7	52.3	8.7	5.0	4.3	5.3	7.3	8.0	7.7	7.7	7.0	8.0	3.7	4.0	4.7	6.1
KY-31	5.0	89.7	85.0	95.3	73.0	49.7	62.0	8.0	4.0	3.3	4.7	5.3	6.0	4.0	6.0	6.3	7.0	4.7	5.0	4.7	5.1
LSD VALUE	1.1	3.7	8.1	1.7	41.9	56.1	46.8	2.3	1.3	1.1	1.7	1.6	1.7	1.9	2.4	0.9	1.3	2.3	2.3	2.9	0.8
C.V. (%)	7.5	1.7	2.8	0.7	15.2	20.5	17.0	6.7	6.5	8.7	10.7	9.1	8.4	10.2	8.8	6.7	5.7	15.4	13.8	14.1	5.7

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

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

TABLE 14.

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

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
ROWDY (SRX-TPC)	77.7	77.0	4.3	7.7	6.7	7.0	6.0	6.0	7.0	7.7	6.0	6.5
SCREAMER LS (PPG-TF-148)	88.0	54.3	5.0	7.7	6.3	7.0	7.0	6.7	7.0	6.0	5.3	6.4
FIRECRACKER SLS (PPG-TF-105)	78.7	62.3	5.3	6.3	5.7	6.0	5.3	6.3	7.0	5.7	6.0	6.0
PSG-TT4	80.7	79.3	3.7	5.7	5.3	5.7	6.0	6.0	7.3	7.3	7.0	6.0
TRAVERSE 2 SRP (W45)	85.3	67.0	4.3	6.0	6.7	7.0	7.0	6.3	7.0	6.0	4.0	6.0
MAESTRO (T31)	72.3	58.3	4.3	6.3	6.0	6.3	5.7	5.3	6.7	6.0	5.3	5.8
VALKYRIE LS (PPG-TF-172)	81.0	52.7	4.3	6.0	5.7	6.0	6.0	6.0	6.3	6.0	6.0	5.8
BIZEM	75.3	65.3	4.0	6.0	5.7	6.0	6.3	6.3	6.7	6.0	4.7	5.7
MERIDIAN (PST-5GRB)	84.0	31.3	4.0	5.7	6.0	7.3	7.0	6.0	6.0	4.7	4.7	5.7
TEMPTATION (OR-21)	61.7	64.0	2.7	5.3	6.0	6.0	5.7	5.7	6.7	6.3	5.0	5.5
4TH MILLENNIUM SRP (U43)	63.0	66.0	3.7	6.3	5.3	4.7	5.0	6.0	6.0	6.0	6.0	5.4
HOVER (BURL TF-69)	35.7	74.0	3.0	4.7	3.3	4.7	5.7	6.7	7.0	6.7	6.0	5.3
FOXHOUND (IS-TF 284 M2)	60.0	73.7	4.0	4.3	5.3	5.0	5.0	5.0	5.7	7.0	5.3	5.2
GTO (BURL TF-2)	67.7	47.3	4.0	6.0	6.0	5.7	4.7	4.0	6.3	5.3	4.3	5.1
PST-5BRK	79.7	18.7	5.0	6.0	6.7	6.7	5.3	4.0	3.7	4.3	4.0	5.1
ATF 1736	66.0	31.7	4.0	5.7	5.7	6.0	5.3	4.3	5.3	4.3	4.0	5.0
F711	69.0	69.0	3.3	5.0	5.0	5.0	4.7	5.3	6.3	6.0	4.0	5.0
MET-3	65.3	56.0	3.3	5.7	5.3	5.0	4.7	5.0	6.0	5.3	4.7	5.0
XTENDER (PPG-TF-139)	57.0	51.3	3.3	5.7	5.3	5.3	5.0	4.7	5.7	5.7	4.7	5.0
FAYETTE (IS-TF 291)	65.3	37.7	3.7	5.0	6.0	5.3	5.0	5.0	5.0	5.0	4.0	4.9
ATF 1704	66.7	17.0	5.0	6.3	6.0	5.7	4.7	4.0	3.3	4.3	3.7	4.8
BULLSEYE	57.0	59.0	2.7	5.0	4.7	4.3	4.7	5.0	6.0	6.0	4.7	4.8
HOUNDOG8 (IS-TF 307 SEL)	74.3	43.7	4.0	4.3	5.0	5.7	5.3	4.7	5.3	4.7	4.0	4.8
KINGDOM (DB1)	61.7	49.3	3.7	4.0	5.0	4.7	4.7	5.3	6.0	5.0	5.0	4.8
MICHELANGELO (LTP-F5DPDR)	48.0	50.0	3.7	5.7	5.7	4.7	4.3	4.3	5.7	5.7	3.7	4.8
PSG-GSD	49.3	55.3	3.3	4.3	4.7	4.7	4.7	4.7	5.7	5.7	5.7	4.8
PST-5EX2	79.7	31.0	3.3	5.7	6.7	6.3	5.0	4.0	3.7	5.0	3.7	4.8
THUNDERSTRUCK (TD1)	59.0	40.7	3.3	4.3	4.7	6.0	5.3	4.7	5.7	4.7	4.3	4.8
ANNIHILATOR	61.7	38.7	4.0	5.0	5.0	4.3	4.3	5.0	5.0	5.0	4.3	4.7
B23	49.7	47.3	3.7	4.3	6.3	5.0	4.3	4.0	5.0	5.0	4.7	4.7
NIGHTCRAWLER (IS-TF 285)	52.0	56.3	3.0	3.7	3.3	4.3	5.3	5.7	5.7	6.3	5.0	4.7
FAITH	43.3	61.0	2.3	4.0	4.0	4.3	5.0	5.3	6.0	5.7	5.0	4.6
IS-TF-287	56.7	32.7	4.0	6.0	4.7	4.7	4.7	4.3	4.7	4.7	3.7	4.6
JS 809	64.0	41.0	3.0	5.0	5.0	5.0	5.0	4.3	4.7	4.3	5.0	4.6
RAD-TF-83	46.3	54.0	3.0	4.7	4.0	4.3	4.0	4.3	5.7	6.0	5.0	4.6
W41	47.7	41.0	3.0	5.0	4.7	4.7	4.7	4.7	5.3	4.0	5.0	4.6
BAR FA 121089	68.7	25.3	4.3	6.7	5.7	5.3	4.3	3.3	4.0	4.0	3.0	4.5
CATALYST	56.3	36.7	3.3	4.7	5.0	5.3	5.0	4.0	5.0	4.3	4.0	4.5
CROSSFIRE 4 (IS-TF 310 SEL)	47.3	47.0	3.7	5.0	4.3	4.3	4.3	4.7	5.0	5.0	4.3	4.5
GRANDE 3	51.3	32.3	3.0	4.7	5.7	5.7	5.0	4.3	4.3	4.0	4.0	4.5
LEONARDO (LTP-FSD)	49.3	38.3	4.0	5.0	4.7	4.7	4.0	4.3	5.0	4.7	4.0	4.5
ATF 1754	55.7	49.3	3.3	5.0	5.0	4.7	4.3	4.0	4.3	5.3	3.3	4.4
BAR FA 121095	50.0	34.7	3.0	5.0	5.3	4.7	4.0	4.0	5.7	4.3	4.0	4.4
DIABLO (IS-TF 330)	65.0	22.7	3.3	5.0	5.3	5.3	5.0	4.3	4.0	3.7	3.7	4.4
FIREBIRD 2	60.7	47.0	3.7	5.0	5.0	4.7	4.3	4.3	5.0	4.3	3.7	4.4

TABLE 14. (CONT'D)

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

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

NAME	PERCENT	PERCENT	QUALITY RATINGS									
	COVER SPRING	COVER SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
HOT ROD (BURL TF-136)	37.7	43.0	3.3	4.7	4.3	4.7	4.3	4.3	5.0	5.0	4.0	4.4
JS 819	35.0	41.0	3.7	4.3	3.7	3.3	4.3	5.0	5.7	5.7	4.0	4.4
REBOUNDER (PICK-W43)	59.0	30.7	3.7	5.3	5.7	4.7	3.7	3.3	4.3	5.3	3.7	4.4
SALTILLO (PST-5SALT)	54.7	44.7	3.0	4.0	4.0	5.3	5.0	4.3	5.0	4.7	4.0	4.4
ATF 1612	64.0	26.0	4.7	5.0	4.7	4.0	4.3	4.7	4.7	4.0	3.0	4.3
IS-TF 269 SEL	46.0	51.0	2.7	4.0	5.0	5.0	4.3	4.0	5.0	5.0	4.0	4.3
RAIN DANCE (PST-5SDT)	53.0	32.0	4.0	5.7	5.3	4.7	4.0	3.3	4.0	4.0	4.0	4.3
TITANIUM 2LS (PPG-TF-152)	62.7	33.7	3.3	3.7	4.0	5.0	4.7	4.3	5.7	4.3	4.0	4.3
MET 1	57.7	18.7	3.3	5.0	5.3	4.7	4.0	3.7	4.7	4.0	3.3	4.2
REFLECTION (U45)	60.7	26.0	2.7	4.7	4.0	5.0	4.7	4.3	4.3	4.3	3.7	4.2
SUPERSONIC (PPG-TF-170)	59.3	35.3	3.7	4.7	5.3	5.3	4.3	3.0	4.3	4.3	3.0	4.2
TECHNIQUE (RZ2)	58.0	16.3	3.7	4.7	5.3	5.3	4.3	3.7	3.7	4.0	3.3	4.2
EMBRACE (PST-5EV2)	66.3	19.7	3.3	4.3	5.3	4.3	4.3	4.3	4.3	3.7	3.3	4.1
FIREWALL (PSG-WE1)	58.3	9.3	3.3	5.7	5.3	4.3	4.3	4.0	3.7	3.7	2.7	4.1
IS-TF 308 SEL	40.7	42.7	2.3	4.0	3.3	4.3	4.0	5.3	4.7	4.7	4.0	4.1
PST-5DZP	19.0	59.0	2.3	2.7	4.0	3.7	4.0	5.0	5.7	5.3	4.7	4.1
PST-5MVD	56.3	31.3	3.0	4.7	4.3	5.0	4.7	4.0	3.7	3.3	4.0	4.1
THOR (PPG-TF-157)	39.3	37.0	3.0	3.3	4.7	4.0	3.7	4.3	6.0	5.0	3.3	4.1
PST-5BPO	75.0	9.0	4.3	6.3	6.0	4.0	3.7	3.0	3.0	3.0	2.3	4.0
WICHITA (PPG-TF-151)	53.0	21.0	3.3	4.7	4.7	4.0	3.7	4.0	4.7	4.0	3.0	4.0
CAESAR (TY 10)	45.3	22.3	3.0	5.0	5.0	4.3	4.0	3.3	3.7	4.0	3.0	3.9
FRONTLINE (EXP TF-09)	48.0	22.7	3.3	4.7	4.7	4.0	3.7	4.0	3.7	4.0	3.3	3.9
HEMI	46.3	48.7	2.7	4.0	3.3	3.7	3.7	4.3	4.7	5.0	3.7	3.9
REGENERATE	58.3	44.7	3.0	3.7	4.3	4.3	4.3	4.0	4.0	4.0	3.7	3.9
TEMPLE (DZ1)	38.7	21.7	3.0	4.3	4.3	4.7	4.0	3.7	3.3	3.7	3.0	3.8
AVENGER II (PPG-TF-156)	36.0	29.3	2.7	3.3	3.3	4.0	3.7	4.0	4.3	4.0	3.7	3.7
BAR FA 121091	38.0	21.0	2.7	3.3	3.0	4.3	4.3	4.0	5.0	3.3	3.7	3.7
IS-TF 272	38.0	29.3	3.3	4.3	3.7	4.3	3.7	3.3	3.3	3.7	3.3	3.7
JS 916	41.7	45.0	2.7	3.3	4.0	4.7	3.7	3.3	4.0	4.0	3.3	3.7
K12-MCD	71.0	26.0	3.3	4.7	4.7	3.7	3.7	3.7	3.7	3.3	3.0	3.7
KY-31	36.0	27.7	2.3	4.0	3.7	4.0	4.0	4.3	4.3	3.3	3.0	3.7
PARAMOUNT (PPG-TF-137)	46.3	15.7	3.3	4.3	4.3	4.7	3.7	3.0	3.0	3.0	3.7	3.7
PPG-TF-169	55.0	13.3	4.0	5.0	4.7	4.0	3.3	3.0	3.7	2.7	3.0	3.7
ROCKWELL (LTP-TWU)	49.7	18.3	3.0	4.7	5.3	4.0	3.3	3.3	3.3	3.3	3.3	3.7
OLYMPUS (RAD-TF-88)	28.7	38.3	2.7	3.0	3.0	3.3	3.7	4.0	5.0	4.0	4.0	3.6
TERRANO	46.7	12.3	3.0	4.0	4.7	4.3	3.7	3.7	3.3	2.7	3.0	3.6
WARHAWK	61.0	25.3	3.0	4.7	5.3	4.3	3.3	3.0	2.7	3.3	2.3	3.6
FALCON V	53.3	13.3	3.3	4.7	4.3	3.7	3.3	3.0	3.0	3.0	3.3	3.5
MEMPHIS (GO-DFR)	35.7	28.7	2.7	3.3	3.7	4.0	3.7	3.3	3.7	3.7	3.3	3.5
AMITY (CCR2)	52.3	18.0	2.7	3.7	4.0	4.0	3.3	3.3	4.0	3.0	3.0	3.4
FESNOVA	57.7	0.3	4.7	7.3	6.0	3.3	3.0	2.3	2.0	1.0	1.3	3.4
AQUADUCT	42.7	5.3	2.7	4.7	5.3	3.7	3.3	2.7	2.3	2.7	2.3	3.3
FALCON IV	38.3	26.3	3.0	4.0	3.7	3.3	2.7	2.7	3.0	3.7	3.3	3.3
RAD-TF-89	55.3	8.3	2.7	4.0	5.0	4.3	3.7	2.7	2.7	2.3	2.3	3.3
RHAMBLER 2 SRP (LSD)	37.7	14.3	3.3	4.0	5.7	4.0	2.7	2.3	2.3	2.7	2.3	3.3

TABLE 14. (CONT'D)

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

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
RHIZING MOON (IS-TF 305 SEL)	45.0	9.0	3.0	4.3	5.0	3.7	3.0	2.3	2.3	3.3	2.7	3.3
BLOODHOUND (MET 6 SEL)	46.7	13.7	3.7	4.7	3.7	3.3	3.0	2.3	3.0	2.7	2.3	3.2
MARAUDER	31.7	21.0	2.3	2.7	3.7	3.3	3.7	3.7	3.0	3.3	3.3	3.2
PSG-PO1	52.0	3.3	3.3	5.0	4.3	4.0	3.3	2.7	2.0	2.3	2.0	3.2
TURFWAY (IS-TF 282 M2)	52.3	16.0	2.7	3.7	4.0	4.3	3.3	2.7	3.0	2.7	2.7	3.2
K12-13	39.7	9.3	2.3	3.7	3.7	3.3	3.7	3.0	3.0	2.7	2.3	3.1
PPG-TF-138	53.0	1.3	3.7	4.7	4.7	3.7	3.3	2.7	1.7	2.0	1.7	3.1
BLACK TAIL (PPG-TF-150)	60.3	0.3	3.0	4.3	4.7	4.0	3.0	2.7	2.3	1.7	1.7	3.0
JS 818	42.0	6.7	3.0	3.3	3.7	3.7	3.0	2.7	2.7	2.3	2.3	3.0
PPG-TF-115	53.0	1.0	3.3	4.7	4.0	4.0	3.3	2.7	2.0	1.7	1.3	3.0
204 RES. BLK4	20.7	19.3	2.7	3.0	3.0	2.7	2.7	2.3	3.0	3.3	3.0	2.9
RAD-TF-92	42.0	1.0	2.7	4.7	3.7	3.0	3.0	2.7	2.7	1.7	1.7	2.9
COMP. RES. SST	22.3	18.7	1.7	2.7	2.7	3.3	3.0	2.7	3.3	2.7	3.0	2.8
DYNAMITE LS (PPG-TF-145)	39.0	13.3	2.0	2.7	2.7	2.7	2.7	3.0	3.0	3.0	2.7	2.7
JS 825	34.7	11.0	2.3	3.0	3.0	3.3	2.7	2.3	2.7	2.7	2.7	2.7
K12-05	23.7	14.0	1.7	2.3	2.0	3.0	2.7	3.3	3.0	3.0	3.3	2.7
PSG-8BP2	49.3	1.3	2.3	3.0	3.3	4.0	3.3	2.7	2.7	1.7	1.7	2.7
BAR FA 120878	9.7	21.7	1.0	2.7	2.3	2.3	2.7	2.7	3.0	3.3	2.7	2.5
IS-TF 276 M2	48.0	3.7	3.0	4.3	4.0	2.3	2.0	2.0	1.3	2.0	1.7	2.5
INSPIRATION (PST-R5NW)	31.0	1.3	2.3	3.0	3.3	2.3	2.7	2.7	2.3	1.7	1.3	2.4
PPG-TF-135	23.7	9.3	1.7	2.3	3.3	2.7	2.3	2.3	2.7	2.3	2.0	2.4
SWAGGER (PST-5R05)	8.3	4.0	1.7	2.3	1.7	2.0	2.7	3.3	2.7	2.3	2.3	2.3
ARES (PPG-TF-142)	29.7	0.7	2.0	2.3	2.7	2.7	2.7	2.7	2.3	1.3	1.3	2.2
IS-TF 311	37.0	0.3	2.3	3.0	3.7	3.0	2.7	1.7	1.7	1.0	1.0	2.2
RAPTOR III (ZW 44)	31.3	0.3	3.7	4.0	2.7	2.0	1.7	1.3	1.0	1.3	1.3	2.1
UNITUS (IS-TF 289)	37.7	1.0	2.0	2.7	2.3	2.0	1.7	2.0	1.7	1.3	1.7	1.9
LSD VALUE	79.9	31.3	2.5	4.3	4.7	3.7	2.9	3.0	2.9	2.4	2.1	2.4
C.V. (%)	47.7	60.4	32.5	36.0	35.6	34.4	33.2	36.7	37.1	34.3	33.6	29.1

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR BROWN PATCH STUDY AT WICHITA, KS 1/
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH WARM TEMP.	MAR	APR	QUALITY RATINGS							MEAN
					MAY	JUN	JUL	AUG	SEP	OCT		
PARAMOUNT (PPG-TF-137)	5.7	5.7	5.7	8.0	7.0	6.0	5.7	5.7	6.0	5.3	6.2	
4TH MILLENNIUM SRP (U43)	6.0	6.0	5.3	7.7	6.3	6.0	5.3	5.7	6.3	5.0	6.0	
REBOUNDER (PICK-W43)	6.0	5.0	5.7	8.7	6.0	5.7	5.3	5.0	6.3	5.7	6.0	
TEMPLE (DZ1)	5.3	5.7	5.3	8.7	6.7	5.7	5.3	5.7	6.0	5.0	6.0	
AVENGER II (PPG-TF-156)	6.3	5.7	5.7	8.0	6.3	5.0	5.7	5.3	6.0	5.0	5.9	
REGENERATE	6.3	5.3	6.0	8.3	6.3	5.7	5.0	5.0	5.7	5.0	5.9	
TECHNIQUE (RZ2)	5.7	5.0	5.3	8.0	6.7	6.0	6.0	4.7	6.0	4.3	5.9	
THOR (PPG-TF-157)	6.0	5.0	5.7	8.0	6.3	5.7	5.0	5.0	5.7	5.7	5.9	
TRAVERSE 2 SRP (W45)	5.7	5.7	5.3	7.7	6.3	6.3	6.0	5.0	5.7	5.0	5.9	
VALKYRIE LS (PPG-TF-172)	5.7	5.7	5.3	8.0	6.3	5.7	5.3	5.3	6.0	5.3	5.9	
BLACK TAIL (PPG-TF-150)	5.0	5.3	5.7	8.0	6.0	5.7	5.3	4.7	6.0	5.0	5.8	
F711	5.7	5.7	5.3	8.3	6.7	6.3	5.0	4.7	5.7	4.7	5.8	
HOT ROD (BURL TF-136)	6.0	6.7	5.7	8.3	5.7	5.7	5.0	5.0	6.0	5.3	5.8	
IS-TF 308 SEL	5.0	4.7	5.7	8.3	6.3	6.0	5.3	4.0	6.3	4.3	5.8	
MET 1	6.0	5.3	5.7	7.3	6.0	6.0	5.0	5.0	6.0	5.0	5.8	
MICHELANGELO (LTP-F5DPDR)	5.3	5.7	5.3	7.7	6.7	5.7	5.0	5.0	5.7	5.0	5.8	
PPG-TF-138	5.7	5.7	6.0	7.7	6.3	5.3	5.3	5.0	5.7	5.0	5.8	
PPG-TF-169	6.3	5.3	5.7	8.0	6.3	5.0	5.0	5.0	6.0	5.3	5.8	
ROCKWELL (LTP-TWUU)	5.7	5.7	5.3	8.0	6.7	5.3	5.3	5.3	5.7	5.0	5.8	
ATF 1612	5.3	4.7	5.7	8.3	6.3	6.0	5.3	4.3	5.3	4.3	5.7	
BLOODHOUND (MET 6 SEL)	6.0	5.3	5.3	8.3	6.3	5.7	4.3	4.7	5.7	5.0	5.7	
FESNOVA	5.3	5.7	5.3	7.3	6.7	5.3	5.3	4.7	5.3	5.3	5.7	
FIRECRACKER SLS (PPG-TF-105)	4.7	4.7	5.3	8.0	6.7	6.0	5.0	4.0	5.7	5.0	5.7	
FIREWALL (PSG-WE1)	5.7	5.3	5.3	8.0	6.3	5.7	4.0	5.3	5.7	5.0	5.7	
HEMI	6.0	5.7	5.0	8.0	6.0	5.3	5.0	6.0	5.3	4.7	5.7	
IS-TF 311	5.3	5.7	5.0	7.7	6.3	5.7	5.7	5.7	5.7	4.0	5.7	
LEONARDO (LTP-FSD)	4.7	6.0	5.0	7.3	6.0	5.7	5.7	5.3	5.3	5.3	5.7	
MET-3	5.7	5.0	5.0	8.0	6.0	5.7	5.3	5.0	5.7	4.7	5.7	
PPG-TF-135	5.7	5.7	5.3	7.3	6.0	5.7	5.0	5.3	6.0	4.7	5.7	
PSG-PO1	5.7	5.7	5.3	7.7	6.0	5.3	5.3	4.7	6.3	4.7	5.7	
REFLECTION (U45)	5.7	5.7	5.0	8.0	6.0	5.7	4.7	5.3	6.0	5.0	5.7	
SWAGGER (PST-5R05)	4.3	6.0	5.0	7.3	6.0	5.7	5.7	5.7	5.7	4.7	5.7	
W41	5.3	5.0	5.3	7.7	6.0	5.3	4.7	4.7	6.3	5.7	5.7	
AMITY (CCR2)	6.0	5.0	5.3	8.0	6.3	6.0	4.3	4.7	5.7	4.7	5.6	
CROSSFIRE 4 (IS-TF 310 SEL)	5.0	5.3	5.3	8.0	6.3	5.7	5.0	4.7	5.7	4.3	5.6	
EMBRACE (PST-5EV2)	4.7	6.0	5.3	8.0	5.7	5.0	4.7	5.0	6.3	4.7	5.6	
FALCON V	6.0	5.7	5.3	8.0	6.3	5.3	5.3	5.3	5.0	4.3	5.6	
GRANDE 3	6.0	5.3	5.0	8.0	6.3	5.7	4.7	5.0	6.0	4.3	5.6	
HOVER (BURL TF-69)	5.0	5.3	5.0	8.0	6.3	6.0	5.3	4.7	5.3	4.0	5.6	
JS 916	5.3	5.0	5.3	8.0	5.7	5.3	5.3	5.0	5.3	4.7	5.6	
KINGDOM (DB1)	5.0	5.0	4.7	8.0	6.3	5.7	5.0	5.0	5.3	5.0	5.6	
PSG-GSD	5.0	5.0	5.0	7.7	6.7	6.0	5.7	5.3	4.7	3.7	5.6	
PST-5BRK	6.0	5.3	5.3	8.3	6.0	5.7	5.0	5.0	5.3	4.0	5.6	
SUPERSONIC (PPG-TF-170)	5.7	5.3	5.7	7.7	6.0	5.7	4.3	4.7	5.7	5.0	5.6	
TITANIUM 2LS (PPG-TF-152)	5.3	4.7	5.7	8.0	6.7	6.0	4.3	4.0	6.0	4.0	5.6	

TABLE 15. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR BROWN PATCH STUDY AT WICHITA, KS 1/
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH		QUALITY RATINGS							MEAN
		WARM	TEMP.	MAR	APR	MAY	JUN	JUL	AUG	SEP	
BIZEM	5.0	5.3	5.0	7.3	6.0	6.0	5.3	4.7	5.0	5.0	5.5
DIABLO (IS-TF 330)	5.0	4.7	5.3	8.0	6.3	5.3	5.3	4.3	5.3	4.3	5.5
DYNAMITE LS (PPG-TF-145)	4.3	5.7	5.0	8.0	6.3	5.3	5.3	4.3	5.3	4.3	5.5
FALCON IV	5.0	5.3	5.3	8.0	6.0	5.3	5.0	4.7	5.3	4.0	5.5
FOXHOUND (IS-TF 284 M2)	4.7	5.3	5.0	7.7	6.3	5.7	5.0	5.0	5.0	4.7	5.5
GTO (BURL TF-2)	6.3	5.3	5.3	8.0	6.3	5.3	5.0	4.3	5.3	4.3	5.5
K12-MCD	5.0	5.3	4.7	8.0	6.0	5.3	5.0	5.0	5.3	4.3	5.5
MAESTRO (T31)	6.3	5.3	5.3	8.0	6.3	5.7	4.7	4.0	5.7	4.3	5.5
PPG-TF-115	5.0	4.3	5.0	8.0	7.0	5.7	5.0	4.3	5.3	4.0	5.5
PST-5EX2	5.7	5.0	5.0	7.7	6.3	6.0	5.3	4.3	5.0	4.3	5.5
PST-5MVD	5.3	5.3	4.7	7.7	6.7	5.7	4.7	4.7	5.7	4.3	5.5
RAPTOR III (ZW 44)	5.7	5.3	5.7	8.3	6.0	5.7	4.7	4.0	5.7	4.3	5.5
ROWDY (SRX-TPC)	4.3	4.7	4.7	7.7	6.3	5.3	4.7	4.7	5.7	4.7	5.5
SALTILLO (PST-5SALT)	4.7	5.3	5.0	7.7	6.3	5.3	4.7	5.0	5.7	4.7	5.5
SCREAMER LS (PPG-TF-148)	6.0	5.3	5.3	7.7	6.0	5.7	4.7	4.7	5.3	4.7	5.5
TERRANO	5.0	5.3	5.0	7.3	6.3	6.3	5.3	4.7	5.3	3.7	5.5
THUNDERSTRUCK (TD1)	4.3	5.3	5.0	7.3	6.7	6.0	5.0	4.0	5.0	5.0	5.5
ATF 1704	5.3	5.0	5.3	7.3	5.7	5.3	4.7	4.3	5.7	4.7	5.4
ATF 1736	4.7	5.7	5.0	7.3	6.0	5.3	5.0	4.7	5.0	4.7	5.4
ATF 1754	5.3	6.0	5.3	8.0	5.7	5.7	4.7	5.0	5.0	4.0	5.4
FAITH	5.3	5.0	5.3	7.3	6.3	5.0	5.0	4.7	5.3	4.0	5.4
PST-5BPO	5.7	5.3	5.3	7.7	6.0	5.3	5.0	4.3	5.3	4.3	5.4
RAD-TF-92	5.3	4.7	5.0	8.0	6.3	5.3	5.0	4.0	5.7	3.7	5.4
TURFWAY (IS-TF 282 M2)	5.7	5.0	5.0	7.3	5.7	5.3	5.7	4.7	4.3	5.0	5.4
UNITUS (IS-TF 289)	4.7	5.3	5.0	7.3	6.3	5.7	5.0	4.0	5.7	4.0	5.4
ARES (PPG-TF-142)	4.3	5.0	4.7	8.0	6.3	5.3	5.7	3.7	5.0	3.3	5.3
CAESAR (TY 10)	5.0	4.7	5.0	8.0	5.7	5.3	5.0	4.0	5.0	4.3	5.3
FIREBIRD 2	4.7	4.7	5.3	7.7	6.3	5.3	4.7	4.0	5.7	3.3	5.3
HOUNDOG8 (IS-TF 307 SEL)	5.0	4.3	5.0	8.0	6.3	5.7	5.3	3.7	5.0	3.7	5.3
IS-TF 269 SEL	5.0	5.0	4.7	7.3	6.0	6.0	5.0	4.0	5.3	4.0	5.3
NIGHTCRAWLER (IS-TF 285)	5.0	5.0	5.3	7.3	6.3	5.7	4.7	4.3	5.0	3.7	5.3
RAIN DANCE (PST-5SDT)	4.7	5.0	5.0	7.7	6.0	6.0	5.0	4.0	5.0	4.0	5.3
WICHITA (PPG-TF-151)	4.7	5.3	4.7	7.7	6.0	5.3	4.3	4.7	5.0	5.0	5.3
XTENDER (PPG-TF-139)	5.0	4.7	5.3	7.0	6.0	5.3	5.3	3.3	5.7	4.3	5.3
BAR FA 121089	5.3	4.7	5.0	7.7	5.7	5.7	5.0	4.3	4.7	3.7	5.2
FAYETTE (IS-TF 291)	5.0	5.3	5.0	7.3	6.3	5.3	4.7	3.7	5.3	3.7	5.2
INSPIRATION (PST-R5NW)	5.0	5.3	5.0	7.0	6.0	5.7	5.0	4.3	5.0	3.7	5.2
IS-TF 276 M2	5.0	4.3	5.0	8.0	6.0	5.7	4.3	4.0	5.0	3.7	5.2
IS-TF-287	5.0	5.0	4.7	7.7	6.0	5.0	4.7	4.0	5.3	4.3	5.2
MEMPHIS (GO-DFR)	5.0	4.3	4.7	7.3	6.3	5.7	5.0	3.7	4.7	4.0	5.2
MERIDIAN (PST-5GRB)	4.7	5.3	4.3	7.0	5.7	5.0	5.3	4.7	5.0	4.7	5.2
OLYMPUS (RAD-TF-88)	5.3	4.7	5.0	7.7	7.0	5.3	4.7	3.7	4.7	3.3	5.2
PSG-TT4	5.0	5.3	5.3	7.7	6.0	5.3	4.7	4.0	4.3	4.0	5.2
PST-5DZP	5.0	5.0	5.0	7.7	6.0	6.0	4.7	4.3	4.7	3.3	5.2
RAD-TF-83	5.0	4.7	5.0	7.3	6.0	5.3	4.0	4.3	5.0	4.3	5.2

TABLE 15. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR BROWN PATCH STUDY AT WICHITA, KS 1/
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS								
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RHAMBLER 2 SRP (LSD)	5.7	4.3	5.3	7.7	6.3	5.3	4.0	3.0	5.7	4.0	5.2
AQUADUCT	4.7	5.0	5.0	6.7	5.3	5.0	5.3	5.3	4.7	3.7	5.1
B23	5.3	4.0	5.3	8.0	6.3	5.7	4.3	3.0	4.7	3.7	5.1
CATALYST	5.7	3.7	5.3	7.3	6.7	6.3	4.0	2.7	5.3	3.3	5.1
FRONTLINE (EXP TF-09)	5.0	4.0	5.0	7.3	6.7	5.3	5.0	3.3	4.7	3.3	5.1
IS-TF 272	4.7	4.7	5.0	7.3	6.3	5.3	4.3	4.0	4.7	3.7	5.1
JS 809	4.0	5.0	4.3	7.0	6.3	5.3	5.3	4.7	4.7	3.0	5.1
RAD-TF-89	5.3	4.7	5.0	7.7	6.0	5.0	4.3	4.0	5.3	3.7	5.1
RHIZING MOON (IS-TF 305 SEL)	4.7	4.7	5.0	7.7	6.0	5.3	4.0	3.7	5.0	4.3	5.1
BAR FA 121091	4.0	5.0	4.7	6.7	6.3	5.3	4.7	4.7	4.3	3.0	5.0
BAR FA 121095	4.0	4.0	4.0	7.3	6.0	5.3	5.0	4.0	4.7	3.3	5.0
JS 819	4.3	4.3	5.0	6.7	6.7	5.7	4.3	4.0	4.3	3.7	5.0
K12-05	4.7	4.7	5.0	7.0	6.7	5.0	4.0	3.7	5.0	4.0	5.0
PSG-8BP2	4.3	4.7	4.7	7.0	6.0	5.3	5.0	3.7	5.0	3.7	5.0
TEMPTATION (OR-21)	5.3	4.7	4.7	6.7	6.0	5.0	4.7	4.3	4.7	3.7	5.0
BULLSEYE	5.7	4.7	5.3	7.3	6.0	5.7	4.0	3.0	5.0	3.0	4.9
JS 818	4.3	4.7	4.3	7.3	5.7	5.3	5.0	4.0	4.7	3.0	4.9
ANNIHILATOR	4.0	3.7	5.0	7.7	6.3	5.0	4.0	3.7	3.7	3.0	4.8
JS 825	4.3	4.7	4.3	7.0	6.0	5.0	4.0	4.3	4.3	3.3	4.8
K12-13	4.0	4.3	4.3	7.7	6.3	5.0	3.7	3.7	5.0	3.0	4.8
WARHAWK	4.7	3.7	5.3	7.3	6.3	5.0	4.3	3.0	3.7	3.0	4.8
204 RES. BLK4	4.7	4.3	4.7	8.0	6.3	4.3	4.3	3.0	3.7	3.0	4.7
COMP. RES. SST	4.7	3.7	5.0	8.0	6.0	4.3	4.0	3.0	4.0	3.0	4.7
MARAUDER	4.3	5.0	5.3	6.7	6.0	5.0	4.3	3.7	3.7	3.0	4.7
BAR FA 120878	5.0	5.0	4.3	5.7	5.0	4.3	4.0	4.0	4.0	3.3	4.3
KY-31	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.7	3.3
LSD VALUE	1.0	1.6	1.1	1.0	1.0	1.0	1.3	2.8	1.0	1.2	0.5
C.V. (%)	11.0	14.4	9.8	7.6	7.9	9.6	13.2	23.0	11.3	16.6	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 16. BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/
2016 DATA

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

NAME	BROWN PATCH COOL TEMP.	NAME	BROWN PATCH COOL TEMP.
ATF 1754	7.3	PPG-TF-138	6.7
TRAVERSE 2 SRP (W45)	7.3	PPG-TF-169	6.7
4TH MILLENNIUM SRP (U43)	7.0	PST-5BRK	6.7
AVENGER II (PPG-TF-156)	7.0	PST-5EX2	6.7
BLACK TAIL (PPG-TF-150)	7.0	PST-5MVD	6.7
CATALYST	7.0	RAD-TF-92	6.7
EMBRACE (PST-5EV2)	7.0	RAPTOR III (ZW 44)	6.7
FAYETTE (IS-TF 291)	7.0	RHAMBLER 2 SRP (LSD)	6.7
FIREBIRD 2	7.0	ROCKWELL (LTP-TWJU)	6.7
FIRECRACKER SLS (PPG-TF-105)	7.0	ROWDY (SRX-TPC)	6.7
HEMI	7.0	SCREAMER LS (PPG-TF-148)	6.7
IS-TF 311	7.0	SUPERSONIC (PPG-TF-170)	6.7
KY-31	7.0	TECHNIQUE (RZ2)	6.7
MAESTRO (T31)	7.0	TEMPLE (DZ1)	6.7
MET 1	7.0	THOR (PPG-TF-157)	6.7
MET-3	7.0	TITANIUM 2LS (PPG-TF-152)	6.7
PARAMOUNT (PPG-TF-137)	7.0	W41	6.7
PPG-TF-135	7.0	ATF 1704	6.3
PSG-PO1	7.0	ATF 1736	6.3
RAD-TF-89	7.0	B23	6.3
REBOUNDER (PICK-W43)	7.0	FOXHOUND (IS-TF 284 M2)	6.3
REFLECTION (U45)	7.0	GRANDE 3	6.3
REGENERATE	7.0	HOT ROD (BURL TF-136)	6.3
AMITY (CCR2)	6.7	IS-TF 272	6.3
ARES (PPG-TF-142)	6.7	IS-TF 276 M2	6.3
ATF 1612	6.7	IS-TF-287	6.3
BIZEM	6.7	PSG-GSD	6.3
BLOODHOUND (MET 6 SEL)	6.7	RAD-TF-83	6.3
BULLSEYE	6.7	RHIZING MOON (IS-TF 305 SEL)	6.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	SWAGGER (PST-5R05)	6.3
DYNAMITE LS (PPG-TF-145)	6.7	TERRANO	6.3
F711	6.7	TURFWAY (IS-TF 282 M2)	6.3
FALCON IV	6.7	UNITUS (IS-TF 289)	6.3
FALCON V	6.7	VALKYRIE LS (PPG-TF-172)	6.3
FESNOVA	6.7	WICHITA (PPG-TF-151)	6.3
FIREWALL (PSG-WE1)	6.7	XTENDER (PPG-TF-139)	6.3
GTO (BURL TF-2)	6.7	CAESAR (TY 10)	6.0
HOUNDOG8 (IS-TF 307 SEL)	6.7	DIABLO (IS-TF 330)	6.0
HOVER (BURL TF-69)	6.7	FAITH	6.0
IS-TF 308 SEL	6.7	FRONTLINE (EXP TF-09)	6.0
JS 916	6.7	INSPIRATION (PST-R5NW)	6.0
LEONARDO (LTP-FSD)	6.7	IS-TF 269 SEL	6.0
MICHELANGELO (LTP-F5DPDR)	6.7	JS 818	6.0
NIGHTCRAWLER (IS-TF 285)	6.7	JS 819	6.0
PPG-TF-115	6.7	K12-MCD	6.0

TABLE 16.
(CONT'D)

BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/
2016 DATA

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

NAME	BROWN PATCH COOL TEMP.
MERIDIAN (PST-5GRB)	6.0
OLYMPUS (RAD-TF-88)	6.0
PST-5BP0	6.0
PST-5DZP	6.0
RAIN DANCE (PST-5SDT)	6.0
SALTILLO (PST-5SALT)	6.0
BAR FA 121095	5.7
JS 825	5.7
K12-05	5.7
KINGDOM (DB1)	5.7
PSG-TT4	5.7
TEMPTATION (OR-21)	5.7
THUNDERSTRUCK (TD1)	5.7
AQUADUCT	5.3
BAR FA 121089	5.3
JS 809	5.3
K12-13	5.3
PSG-8BP2	5.3
BAR FA 120878	5.0
MEMPHIS (GO-DFR)	5.0
WARHAWK	5.0
ANNIHILATOR	4.7
COMP. RES. SST	4.3
204 RES. BLK4	4.0
MARAUDER	4.0
BAR FA 121091	3.7
LSD VALUE	1.2
C.V. (%)	11.1

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

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

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
MET 1	4.0	4.0	6.3	5.7	7.3	5.0	6.0	6.7	5.9
BULLSEYE	4.0	3.7	5.7	5.7	7.3	5.0	6.0	6.3	5.7
HOVER (BURL TF-69)	3.3	3.0	5.7	6.3	7.3	6.0	5.7	5.7	5.7
IS-TF 269 SEL	4.0	3.3	6.7	6.3	7.0	5.7	5.3	5.3	5.7
RAPTOR III (ZW 44)	3.7	3.3	6.3	6.0	7.3	5.3	5.7	6.0	5.7
4TH MILLENNIUM SRP (U43)	4.0	3.0	6.0	6.3	7.0	5.7	5.7	5.7	5.6
AMITY (CCR2)	4.0	3.0	6.3	5.7	7.0	5.0	6.0	6.0	5.6
FAITH	3.7	3.3	6.0	6.0	7.0	5.3	5.7	5.7	5.6
FAYETTE (IS-TF 291)	4.0	3.3	6.0	6.0	7.3	5.0	5.7	5.7	5.6
FIREWALL (PSG-WE1)	4.0	3.3	6.0	5.7	7.0	5.7	5.7	6.0	5.6
IS-TF 272	3.3	2.7	5.3	6.3	7.7	5.7	6.0	5.7	5.6
AVENGER II (PPG-TF-156)	4.0	3.3	6.0	5.0	7.0	5.7	6.0	5.7	5.5
B23	4.0	3.3	7.0	6.7	6.7	5.0	5.0	4.7	5.5
CATALYST	4.0	3.3	6.3	5.7	6.7	5.0	5.7	5.7	5.5
DIABLO (IS-TF 330)	4.0	3.0	6.7	5.7	7.3	5.3	5.3	5.0	5.5
F711	4.0	3.3	5.7	5.3	7.0	5.7	5.7	6.0	5.5
PSG-P01	3.0	3.0	6.0	5.7	7.0	5.7	6.0	5.3	5.5
REBOUNDER (PICK-W43)	3.3	3.3	6.0	5.7	7.0	5.7	5.7	5.3	5.5
TITANIUM 2LS (PPG-TF-152)	4.0	3.3	6.0	6.0	7.3	4.7	5.3	5.7	5.5
TRAVERSE 2 SRP (W45)	4.0	3.0	6.7	5.7	6.7	5.0	5.3	6.0	5.5
BIZEM	3.7	3.3	6.3	5.7	7.0	5.3	5.3	5.0	5.4
FOXHOUND (IS-TF 284 M2)	4.0	2.7	6.3	5.7	7.7	5.3	5.0	5.3	5.4
HEMI	4.0	3.7	6.0	6.0	7.0	4.3	5.3	5.3	5.4
HOT ROD (BURL TF-136)	3.7	3.0	5.7	5.3	7.3	5.3	6.0	5.3	5.4
IS-TF 311	4.0	3.0	5.7	6.0	7.7	4.3	5.7	5.7	5.4
IS-TF-287	4.0	3.3	6.7	5.7	6.7	6.0	4.7	5.0	5.4
REFLECTION (U45)	4.0	3.0	6.3	5.7	7.0	5.3	5.7	5.0	5.4
BLACK TAIL (PPG-TF-150)	4.0	3.0	6.3	5.7	7.0	4.7	5.0	5.3	5.3
CAESAR (TY 10)	3.7	3.3	6.0	5.7	7.3	5.3	4.7	5.0	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	3.7	3.0	6.0	6.3	7.0	4.7	5.0	5.7	5.3
GRANDE 3	4.0	3.3	5.7	5.0	6.7	5.0	5.7	6.0	5.3
GTO (BURL TF-2)	4.3	3.0	5.3	5.3	7.0	5.3	6.0	5.3	5.3
IS-TF 308 SEL	4.0	3.3	6.3	6.0	7.0	4.3	5.3	5.0	5.3
PST-5DZP	3.7	2.7	5.7	5.7	7.0	5.7	5.3	5.0	5.3
REGENERATE	3.7	3.0	5.3	5.3	7.0	5.7	5.7	5.3	5.3
RHAMBLER 2 SRP (LSD)	4.0	3.7	6.3	6.3	7.0	4.0	5.0	5.0	5.3
ROWDY (SRX-TPC)	3.3	3.7	5.3	5.3	7.0	5.0	5.7	5.0	5.3
THUNDERSTRUCK (TD1)	3.3	2.7	5.3	5.3	7.3	5.3	5.7	5.3	5.3
TURFWAY (IS-TF 282 M2)	3.7	3.0	5.7	6.0	7.3	4.7	5.3	5.0	5.3
ARES (PPG-TF-142)	4.0	3.7	5.7	5.3	7.0	4.7	5.3	4.7	5.2
BLOODHOUND (MET 6 SEL)	3.7	3.0	5.7	5.0	7.0	5.7	6.0	5.0	5.2
DYNAMITE LS (PPG-TF-145)	3.7	3.0	6.0	5.7	6.7	4.7	5.3	5.0	5.2
FIRECRACKER SLS (PPG-TF-105)	3.7	3.0	5.7	5.7	7.0	5.0	5.7	5.0	5.2
HOUNDG8 (IS-TF 307 SEL)	4.0	3.0	6.3	6.3	7.3	3.7	4.7	5.0	5.2
MAESTRO (T31)	4.0	3.3	5.7	5.3	6.7	5.0	5.3	5.3	5.2

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2016 DATA

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

NAME	QUALITY RATINGS								MEAN
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
MEMPHIS (GO-DFR)	4.0	3.0	4.7	5.0	7.7	5.7	5.7	5.0	5.2
PARAMOUNT (PPG-TF-137)	3.7	2.7	5.3	5.7	7.0	4.7	5.3	5.7	5.2
ROCKWELL (LTP-TWUU)	4.0	3.7	5.7	5.0	6.7	4.7	5.7	5.3	5.2
TEMPTATION (OR-21)	4.0	3.3	6.3	5.3	7.0	5.0	4.3	5.0	5.2
THOR (PPG-TF-157)	4.0	3.3	6.0	5.7	7.0	4.7	4.7	5.0	5.2
UNITUS (IS-TF 289)	4.0	3.0	5.7	5.7	7.0	5.3	5.0	5.0	5.2
ATF 1612	4.0	4.0	5.3	5.0	7.0	4.7	5.0	4.7	5.1
ATF 1754	3.7	3.0	6.0	5.0	6.7	4.7	5.7	5.0	5.1
FESNOVA	3.7	3.3	5.7	5.7	7.0	5.3	4.3	5.3	5.1
FIREBIRD 2	3.3	2.3	5.3	5.7	7.0	5.0	5.7	5.0	5.1
IS-TF 276 M2	3.7	3.0	5.7	5.7	6.7	4.7	5.0	5.3	5.1
K12-13	3.0	2.3	5.3	5.3	7.0	5.7	5.3	5.0	5.1
MET-3	3.7	2.7	5.0	6.0	7.0	4.7	5.0	5.7	5.1
MICHELANGELO (LTP-F5DPDR)	3.3	3.0	5.7	5.0	6.7	5.0	5.3	5.0	5.1
PPG-TF-135	4.0	3.0	6.0	5.0	7.3	4.0	5.0	5.7	5.1
PPG-TF-138	4.0	3.0	6.0	6.0	7.0	4.3	4.7	5.0	5.1
RAD-TF-89	3.0	2.7	5.0	5.0	7.3	5.0	5.7	5.3	5.1
SUPERSONIC (PPG-TF-170)	4.0	3.3	5.7	5.3	7.3	4.3	4.7	5.3	5.1
SWAGGER (PST-5R05)	3.7	3.3	5.0	5.3	6.7	5.0	5.3	5.0	5.1
W41	4.0	3.0	4.7	5.7	7.0	5.0	5.3	5.0	5.1
BAR FA 121095	3.7	3.0	5.7	5.7	7.0	5.0	4.3	4.7	5.0
COMP. RES. SST	3.3	2.3	5.0	6.0	7.0	4.7	4.7	5.0	5.0
JS 916	3.7	3.0	6.3	5.7	7.0	4.0	4.3	5.0	5.0
K12-05	3.3	3.0	4.3	5.7	7.3	5.0	5.0	5.0	5.0
K12-MCD	4.0	3.0	5.3	5.3	7.3	4.7	4.7	5.0	5.0
LEONARDO (LTP-FSD)	3.7	3.0	5.3	5.0	7.0	5.0	4.7	5.0	5.0
NIGHTCRAWLER (IS-TF 285)	4.0	2.7	6.3	5.7	7.0	4.7	4.3	4.3	5.0
OLYMPUS (RAD-TF-88)	3.0	2.7	5.3	6.0	7.0	4.7	4.7	4.7	5.0
PPG-TF-169	4.0	3.3	4.7	5.0	7.0	4.3	5.0	5.7	5.0
PSG-8BP2	3.7	3.0	5.0	5.0	7.0	5.0	5.0	5.0	5.0
RAD-TF-83	3.3	2.7	6.0	6.0	7.0	4.0	4.3	4.7	5.0
RAD-TF-92	2.7	2.7	5.0	5.7	7.0	4.3	4.7	5.3	5.0
VALKYRIE LS (PPG-TF-172)	3.0	3.0	5.3	5.0	6.3	4.7	5.7	5.0	5.0
XTENDER (PPG-TF-139)	3.3	2.7	5.7	5.3	7.0	4.7	5.0	5.0	5.0
204 RES. BLK4	3.7	3.0	5.3	5.0	6.0	4.3	5.0	5.3	4.9
ATF 1736	3.3	2.7	4.7	5.0	7.0	4.7	5.0	5.0	4.9
BAR FA 121091	3.7	3.0	5.7	4.7	6.7	4.7	4.7	5.0	4.9
KINGDOM (DB1)	3.0	2.0	5.0	5.7	7.5	4.7	5.3	5.0	4.9
PPG-TF-115	3.7	2.7	5.3	5.0	6.7	4.7	4.7	5.0	4.9
PSG-GSD	3.7	3.0	4.7	5.7	7.0	4.7	4.3	5.0	4.9
PST-5BP0	4.0	2.7	4.7	4.3	6.7	5.0	5.3	5.3	4.9
SCREAMER LS (PPG-TF-148)	4.0	3.0	5.0	4.3	7.5	5.0	5.3	5.3	4.9
TEMPLE (DZ1)	3.7	2.7	5.3	5.3	7.0	4.3	4.3	5.0	4.9
TERRANO	3.3	3.0	5.7	4.7	7.0	4.7	4.3	4.7	4.9
BAR FA 121089	3.7	3.0	4.7	5.3	6.7	4.3	4.3	5.0	4.8

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
EMBRACE (PST-5EV2)	4.0	3.0	5.7	4.7	7.0	4.0	4.3	4.7	4.8
FALCON IV	4.0	3.3	4.7	4.3	6.7	4.7	5.0	5.0	4.8
FALCON V	4.0	3.3	4.0	5.0	6.3	4.3	5.0	5.3	4.8
PST-5MVD	3.7	2.3	5.0	5.0	6.7	5.0	4.7	4.7	4.8
TECHNIQUE (RZ2)	4.0	3.3	5.7	4.7	7.0	4.3	4.7	5.0	4.8
WICHITA (PPG-TF-151)	3.7	3.0	5.3	4.7	6.7	4.7	4.7	4.7	4.8
ATF 1704	4.0	2.7	4.3	5.0	6.3	4.7	4.7	5.3	4.7
JS 809	3.3	2.7	5.7	5.0	7.0	4.3	4.0	4.3	4.7
JS 819	3.0	3.0	6.0	4.7	7.0	4.0	3.7	4.3	4.7
PSG-TT4	4.0	3.0	5.3	4.3	6.7	4.3	4.7	4.7	4.7
PST-5BRK	4.0	3.3	5.0	4.3	7.0	4.3	5.0	4.7	4.7
PST-5EX2	4.0	3.7	3.7	4.3	6.0	4.3	5.3	5.3	4.7
RAIN DANCE (PST-5SDT)	4.0	3.3	4.3	4.0	7.0	5.0	5.0	5.0	4.7
RHIZING MOON (IS-TF 305 SEL)	3.3	3.0	5.7	5.7	7.3	3.3	4.0	4.0	4.7
SALTILLO (PST-5SALT)	3.7	3.0	4.7	4.3	6.3	4.7	4.7	5.0	4.7
FRONTLINE (EXP TF-09)	3.7	3.0	5.3	4.7	6.7	4.0	4.3	4.3	4.6
INSPIRATION (PST-R5NW)	3.3	2.7	5.0	4.0	6.7	5.0	4.3	4.7	4.6
MARAUDER	3.3	3.0	4.7	4.7	6.7	4.7	4.0	4.3	4.6
JS 818	3.0	2.3	5.3	5.0	6.3	3.7	4.0	4.7	4.5
MERIDIAN (PST-5GRB)	4.0	3.7	4.7	5.0	6.0	4.3	3.7	4.7	4.5
ANNIHILATOR	3.0	2.3	5.0	4.7	5.7	4.3	4.0	4.7	4.4
WARHAWK	3.3	3.3	4.3	4.7	6.0	3.7	4.0	4.3	4.3
JS 825	3.3	2.3	4.7	4.7	6.5	4.0	4.0	4.3	4.2
AQUADUCT	4.0	3.0	4.0	3.3	6.0	3.3	4.0	4.3	3.9
BAR FA 120878	4.0	3.7	3.3	3.0	5.7	3.0	3.7	3.3	3.7
KY-31	4.0	3.0	2.0	1.7	2.3	2.0	1.7	1.3	2.0
LSD VALUE	0.9	1.2	1.1	1.0	0.7	2.1	1.4	0.9	0.5
C.V. (%)	11.3	16.2	12.5	11.6	6.2	18.2	15.2	10.8	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 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN FOR SPREAD STUDY AT LOGAN, UT 1/
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
FAYETTE (IS-TF 291)	0.7	12.7	13.3	10.0	12.7
JS 818	10.0	12.0	14.0	10.7	12.7
TEMPLE (DZ1)	0.3	11.0	12.7	10.0	12.7
4TH MILLENNIUM SRP (U43)	1.3	11.3	13.3	10.7	12.0
AQUADUCT	2.3	11.3	13.3	9.0	12.0
GRANDE 3	0.7	12.7	11.3	10.3	12.0
GTO (BURL TF-2)	1.3	11.7	12.7	10.7	12.0
HEMI	0.7	10.7	13.0	9.7	12.0
CAESAR (TY 10)	3.0	10.7	12.3	11.0	11.7
FOXHOUND (IS-TF 284 M2)	4.0	11.5	12.0	8.7	11.7
JS 825	2.7	11.0	11.7	10.0	11.7
PSG-GSD	3.0	11.7	11.3	11.0	11.7
W41	2.0	10.3	12.3	11.7	11.7
BAR FA 121091	1.7	12.0	12.0	11.0	11.5
ATF 1704	1.7	9.7	11.0	11.3	11.3
BLACK TAIL (PPG-TF-150)	0.7	11.7	12.0	10.0	11.3
COMP. RES. SST	2.0	13.3	12.3	11.7	11.3
CROSSFIRE 4 (IS-TF 310 SEL)	1.7	10.3	12.7	10.0	11.3
FALCON IV	1.7	12.0	11.3	11.0	11.3
FALCON V	1.3	12.0	12.3	10.7	11.3
FESNOVA	3.3	12.0	11.0	11.0	11.3
FIREBIRD 2	0.7	11.3	12.7	9.0	11.3
FIREWALL (PSG-WE1)	2.0	12.3	12.3	9.3	11.3
HOVER (BURL TF-69)	1.0	12.7	13.0	11.3	11.3
JS 916	1.7	12.0	12.0	11.3	11.3
K12-05	1.3	10.3	12.7	9.3	11.3
KINGDOM (DB1)	3.7	11.0	12.0	10.3	11.3
KY-31	4.0	12.3	11.3	12.7	11.3
REFLECTION (U45)	1.3	12.0	12.7	9.7	11.3
TRAVERSE 2 SRP (W45)	1.3	11.3	12.0	7.3	11.3
VALKYRIE LS (PPG-TF-172)	2.3	11.7	13.7	9.7	11.3
ATF 1736	1.7	12.0	12.3	10.7	11.0
ATF 1754	2.7	12.0	11.0	11.0	11.0
BAR FA 121095	1.0	12.0	13.0	10.3	11.0
IS-TF 269 SEL	1.0	13.0	12.3	9.0	11.0
IS-TF 272	0.7	11.7	12.0	10.0	11.0
IS-TF-287	0.3	12.3	11.5	10.3	11.0
K12-13	1.0	13.0	12.7	10.0	11.0
MERIDIAN (PST-5GRB)	1.7	11.3	13.7	9.7	11.0
MET-3	2.3	10.0	12.7	10.3	11.0
NIGHTCRAWLER (IS-TF 285)	1.0	12.3	11.7	9.7	11.0
PSG-8BP2	0.7	11.7	13.7	9.7	11.0
PSG-PO1	0.7	12.7	13.3	10.0	11.0
PST-5DZP	0.3	11.3	9.5	9.0	11.0

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN FOR SPREAD STUDY AT LOGAN, UT 1/
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
RAD-TF-92	0.3	12.7	10.5	11.0	11.0
RHIZING MOON (IS-TF 305 SEL)	1.0	13.5	13.0	11.7	11.0
TURFWAY (IS-TF 282 M2)	5.3	11.3	11.7	10.7	11.0
UNITUS (IS-TF 289)	1.0	13.0	12.3	10.0	11.0
WARHAWK	3.7	12.5	12.3	10.0	11.0
ANNIHILATOR	0.0	12.7	12.3	12.0	10.7
BAR FA 121089	1.3	11.3	12.0	10.3	10.7
BULLSEYE	2.3	12.3	12.3	9.0	10.7
IS-TF 311	0.7	12.0	11.0	9.7	10.7
K12-MCD	4.0	11.0	12.0	11.0	10.7
PPG-TF-115	6.0	11.3	13.0	9.7	10.7
PPG-TF-135	1.0	10.3	12.0	9.3	10.7
PST-5BPO	1.3	11.3	10.7	9.7	10.7
PST-5EX2	2.0	11.0	12.7	9.3	10.7
PST-5MVD	4.3	11.0	11.3	9.3	10.7
RAD-TF-83	3.7	12.0	10.3	10.3	10.7
RHAMBLER 2 SRP (LSD)	4.3	12.3	12.0	11.0	10.7
ROCKWELL (LTP-TWUU)	1.3	10.7	11.3	10.3	10.7
THUNDERSTRUCK (TD1)	2.0	11.0	11.3	8.7	10.7
ATF 1612	2.0	11.7	12.7	10.0	10.3
B23	1.0	11.0	10.3	10.0	10.3
BAR FA 120878	2.0	9.7	11.0	8.7	10.3
BIZEM	2.0	12.0	12.0	10.3	10.3
BLOODHOUND (MET 6 SEL)	0.0	13.0	12.0	11.3	10.3
CATALYST	0.7	13.0	12.3	11.3	10.3
EMBRACE (PST-5EV2)	1.7	12.7	11.3	10.7	10.3
FIRECRACKER SLS (PPG-TF-105)	1.3	12.0	13.0	9.7	10.3
HOT ROD (BURL TF-136)	1.0	11.7	12.3	10.0	10.3
HOUNDOG8 (IS-TF 307 SEL)	1.0	11.3	11.7	10.7	10.3
MAESTRO (T31)	2.7	11.7	9.3	10.3	10.3
MET 1	1.3	11.7	12.3	10.0	10.3
PPG-TF-169	2.0	9.3	11.7	8.7	10.3
PST-5BRK	1.0	12.0	11.7	11.0	10.3
RAIN DANCE (PST-5SDT)	4.7	10.0	11.7	10.3	10.3
REBOUNDER (PICK-W43)	1.0	11.7	12.3	10.0	10.3
SALTILLO (PST-5SALT)	2.3	10.7	12.0	9.0	10.3
SCREAMER LS (PPG-TF-148)	7.0	12.3	11.7	10.7	10.3
SUPERSONIC (PPG-TF-170)	1.7	11.3	12.0	9.7	10.3
SWAGGER (PST-5R05)	1.3	10.7	12.0	8.7	10.3
TEMPTATION (OR-21)	5.0	12.7	12.7	11.0	10.3
AVENGER II (PPG-TF-156)	0.3	11.5	11.5	9.5	10.0
IS-TF 276 M2	1.0	11.7	12.0	9.7	10.0
PARAMOUNT (PPG-TF-137)	1.7	11.3	11.0	9.7	10.0
PPG-TF-138	0.3	9.7	11.7	9.7	10.0

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN FOR SPREAD STUDY AT LOGAN, UT 1/
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
PSG-TT4	2.0	10.7	11.3	9.3	10.0
RAD-TF-89	1.7	13.0	11.7	11.3	10.0
TERRANO	2.0	10.7	10.3	10.7	10.0
XTENDER (PPG-TF-139)	0.7	11.7	10.3	9.3	10.0
DIABLO (IS-TF 330)	3.3	11.0	11.3	10.7	9.7
FRONTLINE (EXP TF-09)	1.7	12.0	11.7	10.0	9.7
OLYMPUS (RAD-TF-88)	0.0	12.7	10.7	12.3	9.7
ROWDY (SRX-TPC)	2.3	10.7	10.0	10.0	9.7
AMITY (CCR2)	0.3	11.0	10.3	10.7	9.3
DYNAMITE LS (PPG-TF-145)	0.7	11.7	12.3	10.3	9.3
IS-TF 308 SEL	1.7	11.7	12.0	9.0	9.3
JS 809	3.7	10.3	10.7	11.0	9.3
JS 819	2.0	10.3	10.3	11.0	9.3
MARAUDER	2.0	13.3	11.7	10.3	9.3
RAPTOR III (ZW 44)	2.0	10.7	12.0	9.3	9.3
TECHNIQUE (RZ2)	0.7	12.3	11.3	11.7	9.3
WICHITA (PPG-TF-151)	8.3	10.0	11.7	9.0	9.3
FAITH	1.7	11.0	10.7	10.7	9.0
MEMPHIS (GO-DFR)	1.3	12.0	10.7	10.7	9.0
REGENERATE	2.3	12.0	11.7	9.3	9.0
TITANIUM 2LS (PPG-TF-152)	6.0	10.7	12.3	9.3	9.0
204 RES. BLK4	2.3	13.0	11.0	9.3	8.7
ARES (PPG-TF-142)	5.3	12.7	11.3	11.3	8.7
F711	0.0	11.7	11.3	11.3	8.7
INSPIRATION (PST-R5NW)	4.0	12.3	11.0	10.0	8.7
THOR (PPG-TF-157)	1.0	11.3	11.0	11.0	8.7
LEONARDO (LTP-FSD)	1.0	12.0	11.3	9.3	8.3
MICHELANGELO (LTP-F5DPDR)	3.0	10.7	10.7	9.0	8.3
LSD VALUE	4.6	9.8	10.5	6.0	6.6
C.V. (%)	106.4	14.7	14.7	14.6	15.0

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

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

TABLE 19.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CA3	CT1	GA1	IA1	IL1	IN1	M01	MS1	NC1	NE1	NJ2	TN1	MEAN
RAD-TF-83	8.0	6.7	6.3	7.0	7.7	7.0	6.0	6.0	8.0	6.0	8.7	8.3	7.1
IS-TF 272	8.0	8.0	6.7	6.3	7.7	6.3	6.3	6.0	8.0	6.0	8.0	8.0	7.1
K12-05	8.0	7.7	7.0	6.3	7.7	7.0	6.3	6.0	8.0	6.0	7.3	7.7	7.1
REGENERATE	8.0	7.0	7.0	6.3	7.3	7.7	5.7	6.0	8.0	6.0	8.0	8.0	7.1
TEMPTATION (OR-21)	8.0	7.7	6.3	6.3	7.0	7.0	6.0	6.3	8.0	6.0	8.0	8.3	7.1
FRONTLINE (EXP TF-09)	8.0	7.7	6.3	7.0	7.0	7.0	6.3	7.0	8.0	6.0	6.7	7.7	7.1
ARES (PPG-TF-142)	8.0	7.3	6.7	7.3	7.0	7.0	6.7	6.0	8.0	6.0	6.7	8.0	7.1
DIABLO (IS-TF 330)	8.0	7.0	6.0	7.0	6.7	7.3	6.3	6.3	8.0	6.0	8.0	8.0	7.1
CAESAR (TY 10)	7.7	7.3	6.7	7.0	7.0	7.3	6.3	6.3	8.0	6.0	6.7	8.0	7.0
DYNAMITE LS (PPG-TF-145)	7.7	7.3	6.3	6.7	7.3	7.3	6.7	6.0	8.0	6.0	7.3	7.7	7.0
FOXHOUND (IS-TF 284 M2)	7.7	8.0	6.0	6.7	7.7	6.3	6.0	6.0	8.0	6.0	8.0	8.0	7.0
KINGDOM (DB1)	8.0	7.7	6.7	7.3	6.7	6.7	6.3	6.0	7.7	6.0	7.0	8.3	7.0
HOUNDG8 (IS-TF 307 SEL)	7.7	7.3	6.0	7.0	7.0	7.3	5.7	6.0	8.0	6.0	7.7	8.3	7.0
TITANIUM 2LS (PPG-TF-152)	8.0	7.0	6.7	6.3	7.0	7.7	6.0	6.0	8.0	6.0	7.3	8.0	7.0
FAYETTE (IS-TF 291)	8.0	7.0	6.7	7.0	6.3	7.3	6.0	6.0	8.0	6.0	7.3	8.0	7.0
RAD-TF-89	7.7	7.0	6.7	7.0	7.3	6.3	5.7	6.3	8.0	6.0	7.7	8.0	7.0
MEMPHIS (GO-DFR)	8.0	6.7	6.3	7.0	7.7	7.7	5.3	6.0	8.0	6.0	7.0	8.0	7.0
REFLECTION (U45)	7.3	7.0	6.3	6.7	7.0	7.0	6.0	6.0	8.0	6.0	8.0	8.3	7.0
RHIZING MOON (IS-TF 305 SEL)	8.0	7.3	6.3	6.7	7.0	6.7	6.0	6.0	8.0	6.0	7.3	8.3	7.0
THUNDERSTRUCK (TD1)	8.0	7.3	6.7	6.3	7.3	6.0	6.3	6.0	7.7	6.0	8.0	8.0	7.0
UNITUS (IS-TF 289)	8.0	7.7	7.0	6.7	6.7	6.7	5.7	6.3	8.0	6.0	7.3	7.7	7.0
4TH MILLENNIUM SRP (U43)	7.7	6.0	6.7	7.0	6.3	7.3	6.3	6.0	8.0	5.7	8.3	8.0	6.9
TRAVERSE 2 SRP (W45)	7.3	7.3	6.3	6.7	6.0	7.0	6.7	6.0	8.0	6.0	8.0	8.0	6.9
FIRECRACKER SLS (PPG-TF-105)	8.0	7.3	6.7	6.7	6.7	6.7	6.0	6.0	8.0	6.0	7.3	8.0	6.9
JS 818	8.0	8.0	6.3	7.0	6.3	6.7	6.3	6.0	8.0	6.0	6.7	8.0	6.9
REBOUNDER (PICK-W43)	7.7	6.3	6.3	7.0	6.7	7.7	6.0	6.0	8.0	6.0	7.7	8.0	6.9
ROWDY (SRX-TPC)	8.0	7.0	7.0	6.3	7.0	7.7	5.3	6.0	8.0	6.0	7.0	8.0	6.9
B23	7.7	6.0	6.3	6.0	7.3	7.3	5.7	6.3	8.0	6.0	8.0	8.3	6.9
W41	7.7	6.7	6.3	7.0	7.0	7.0	6.0	6.0	8.0	6.0	7.0	8.3	6.9
OLYMPUS (RAD-TF-88)	7.7	6.7	6.7	6.3	7.3	7.0	6.0	6.0	8.0	6.0	7.3	8.0	6.9
PSG-P01	7.7	5.7	7.0	7.0	7.3	6.7	6.0	6.0	8.0	6.0	7.0	8.3	6.9
ROCKWELL (LTP-TWUU)	7.7	7.0	6.3	7.7	7.0	6.3	6.0	6.0	8.0	5.7	7.3	7.7	6.9
TEMPLE (DZ1)	8.0	6.7	6.7	6.7	6.3	7.3	6.0	6.0	8.0	6.0	7.0	8.0	6.9
BAR FA 121091	8.0	7.3	6.0	6.7	7.0	6.7	6.0	6.0	8.0	6.0	7.0	8.0	6.9
BLACK TAIL (PPG-TF-150)	7.3	6.3	6.3	6.3	7.7	6.7	6.0	6.0	8.0	6.0	8.0	8.0	6.9
IS-TF 269 SEL	7.7	7.0	6.3	6.0	7.0	7.0	5.7	6.0	8.0	6.0	8.0	8.0	6.9
IS-TF 308 SEL	8.0	6.7	6.3	7.0	6.7	7.0	6.0	6.0	8.0	5.7	7.0	8.3	6.9
RAPTOR III (ZW 44)	8.0	6.3	6.3	7.3	6.7	6.7	6.0	6.0	8.0	6.0	7.3	8.0	6.9
F711	7.7	6.0	6.3	6.7	6.7	7.3	6.0	6.0	8.0	6.0	7.7	8.0	6.9
IS-TF-287	8.0	6.7	6.0	7.0	6.7	6.3	6.0	6.0	8.0	6.0	7.7	8.0	6.9
PPG-TF-115	7.7	7.0	6.3	7.7	7.3	6.3	6.0	6.0	8.0	6.0	6.0	8.0	6.9

TABLE 19. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CA3	CT1	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	TN1	MEAN
HOVER (BURL TF-69)	7.3	7.0	6.7	6.7	6.7	7.0	5.7	6.0	8.0	6.0	7.3	8.0	6.9
IS-TF 276 M2	7.7	7.3	6.3	6.3	6.7	7.0	5.7	6.0	8.0	6.0	7.3	8.0	6.9
TURFWAY (IS-TF 282 M2)	8.0	7.0	6.3	6.7	7.3	7.0	5.7	6.0	7.7	6.0	7.0	7.7	6.9
WICHITA (PPG-TF-151)	7.3	7.0	6.7	6.3	7.0	6.7	6.0	6.0	8.0	6.0	7.3	8.0	6.9
RHAMBLER 2 SRP (LSD)	7.3	6.3	6.7	7.0	6.7	6.7	6.0	6.0	8.0	6.0	7.3	8.3	6.9
THOR (PPG-TF-157)	7.7	7.3	6.0	6.7	7.0	6.7	6.0	6.0	8.0	6.0	6.7	8.0	6.8
GTO (BURL TF-2)	8.0	6.3	6.7	6.3	6.7	7.0	6.0	6.0	8.0	5.7	7.3	8.0	6.8
HOT ROD (BURL TF-136)	8.0	6.0	6.0	6.7	7.3	7.0	6.0	6.0	7.7	5.7	7.7	8.0	6.8
RAD-TF-92	7.7	6.3	6.7	6.0	7.3	6.3	6.0	6.0	8.0	6.0	7.7	7.7	6.8
CATALYST	8.0	5.7	6.7	7.3	6.7	7.3	6.0	6.0	8.0	6.0	6.0	8.0	6.8
JS 819	7.7	6.7	6.3	7.3	7.0	6.3	6.3	6.0	8.0	6.0	6.7	7.3	6.8
VALKYRIE LS (PPG-TF-172)	7.7	7.0	7.0	6.0	6.7	7.0	6.3	6.0	8.0	6.0	6.0	8.0	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	7.3	6.3	6.3	6.3	6.7	5.7	6.0	8.0	6.0	7.0	8.0	6.8
JS 809	8.0	7.3	6.3	7.0	6.7	7.0	5.7	5.7	8.0	6.0	6.3	7.7	6.8
FIREBIRD 2	8.0	6.3	6.7	7.0	6.3	7.0	6.0	6.0	8.0	5.7	6.7	7.7	6.8
FIREWALL (PSG-WE1)	8.0	5.7	6.7	6.3	7.0	7.3	6.0	6.0	7.7	6.0	7.0	7.7	6.8
PARAMOUNT (PPG-TF-137)	7.7	6.3	6.7	6.3	7.0	7.3	5.3	6.0	8.0	6.0	6.7	8.0	6.8
FAITH	7.3	5.7	6.3	6.3	7.0	7.3	5.7	6.0	8.0	6.0	7.7	8.0	6.8
SUPERSONIC (PPG-TF-170)	7.7	6.7	6.3	7.0	7.0	7.0	5.7	6.0	7.7	6.0	6.3	8.0	6.8
TECHNIQUE (RZ2)	8.0	6.0	6.3	7.3	6.7	7.3	5.7	6.0	8.0	5.7	6.3	8.0	6.8
BAR FA 121095	7.7	7.3	7.0	6.7	6.3	6.0	5.7	6.0	8.0	5.7	6.7	8.0	6.8
BULLSEYE	7.3	6.3	6.3	7.0	7.0	7.0	5.7	6.0	7.7	6.0	6.7	8.0	6.8
FESNOVA	8.0	6.0	6.7	7.0	7.3	6.3	5.7	6.0	8.0	6.0	6.7	7.3	6.8
JS 916	8.0	6.0	6.7	6.7	6.3	7.0	6.3	6.0	8.0	6.0	6.7	7.3	6.8
MET 1	7.7	5.3	6.7	6.7	6.7	7.0	5.7	6.0	7.7	6.0	7.7	8.0	6.8
XTENDER (PPG-TF-139)	7.3	6.0	6.7	6.3	6.3	7.3	5.7	6.0	8.0	5.7	7.0	8.7	6.8
AMITY (CCR2)	7.3	6.0	6.3	7.0	7.0	6.7	5.7	6.0	8.0	5.7	7.3	8.0	6.8
BIZEM	7.7	6.3	6.3	7.0	7.0	6.3	5.7	6.0	8.0	6.0	6.3	8.3	6.8
K12-MCD	8.0	7.0	6.3	6.7	6.7	6.7	5.7	6.0	8.0	5.7	6.0	8.3	6.8
GRANDE 3	7.3	6.3	6.0	6.3	6.3	7.0	6.0	6.0	7.7	6.0	7.7	8.0	6.7
MICHELANGELO (LTP-F5DPDR)	7.7	6.3	6.0	6.7	6.7	7.0	6.0	6.0	8.0	5.3	7.3	7.7	6.7
PSG-8BP2	8.0	6.3	6.0	6.7	6.7	6.7	6.0	6.0	8.0	5.7	6.7	8.0	6.7
NIGHTCRAWLER (IS-TF 285)	8.0	6.7	6.3	6.0	6.7	6.7	5.7	6.0	8.0	6.0	6.3	8.3	6.7
PPG-TF-138	8.0	6.0	6.7	6.7	6.7	6.3	5.7	6.0	8.0	6.0	7.3	7.3	6.7
PST-5MVD	8.0	6.0	6.3	6.7	7.7	6.7	5.7	5.7	8.0	5.7	6.3	8.0	6.7
BAR FA 121089	8.0	6.0	6.0	6.7	6.7	6.0	6.0	6.0	8.0	6.0	7.0	8.0	6.7
MET-3	7.7	5.7	6.3	6.3	7.0	6.3	6.0	6.0	8.0	6.0	7.0	8.0	6.7
PST-5DZP	7.7	6.7	6.3	7.0	6.7	6.3	6.0	6.0	8.0	5.7	6.0	8.0	6.7
JS 825	7.7	7.0	6.7	6.7	6.7	6.3	6.0	5.7	7.7	5.7	6.3	8.0	6.7
K12-13	8.0	7.7	6.3	6.7	6.3	6.3	5.3	6.0	8.0	6.0	6.3	7.3	6.7
SCREAMER LS (PPG-TF-148)	7.7	5.0	6.3	7.3	6.3	7.3	6.0	6.0	8.0	5.3	6.7	8.3	6.7
FALCON IV	8.0	6.0	6.3	6.3	7.0	6.7	6.3	6.0	8.0	6.0	5.7	7.7	6.7

TABLE 19. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/												
	CA3	CT1	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	TN1	MEAN
IS-TF 311	7.7	6.0	6.7	6.0	6.7	6.7	5.7	6.0	8.0	5.7	7.0	8.0	6.7
MAESTRO (T31)	7.7	6.3	6.3	6.3	6.3	7.0	5.7	6.0	8.0	6.0	6.3	8.0	6.7
HEMI	8.0	6.0	6.7	6.0	6.3	6.7	5.7	6.0	8.0	6.0	6.7	7.7	6.6
INSPIRATION (PST-R5NW)	8.0	6.0	6.0	6.7	6.7	6.7	6.3	6.0	7.7	5.3	6.7	7.7	6.6
TERRANO	7.3	6.7	6.7	6.7	7.3	6.0	6.0	6.0	7.7	6.0	5.3	8.0	6.6
ATF 1612	7.3	6.0	6.0	6.0	7.3	6.7	5.3	6.0	8.0	5.7	7.3	8.0	6.6
FALCON V	7.7	5.3	6.7	7.0	6.3	6.7	6.0	6.0	8.0	6.0	6.0	8.0	6.6
PSG-GSD	8.0	6.0	6.0	6.7	7.0	6.3	5.7	6.0	8.0	6.0	5.7	8.0	6.6
PPG-TF-135	7.7	5.3	6.7	6.7	6.3	6.7	5.7	6.0	8.0	5.7	6.7	7.7	6.6
AVENGER II (PPG-TF-156)	7.3	6.0	6.3	6.7	7.0	7.0	5.7	6.0	8.0	5.3	6.0	7.7	6.6
EMBRACE (PST-5EV2)	7.7	5.7	7.0	7.0	6.3	7.3	5.3	6.0	8.0	5.3	6.0	7.3	6.6
LEONARDO (LTP-FSD)	7.7	6.3	6.0	7.0	6.0	6.7	6.0	6.0	8.0	5.7	6.7	7.0	6.6
PST-5BP0	7.7	6.3	6.3	6.3	6.0	6.3	5.3	6.0	8.0	5.0	7.7	8.0	6.6
WARHAWK	7.7	6.3	6.3	6.7	6.3	6.0	6.0	6.0	8.0	5.0	6.3	8.0	6.6
ATF 1704	7.0	5.0	6.7	6.7	6.7	7.0	5.7	6.0	8.0	5.0	7.0	8.0	6.6
REBEL V (ATF 1736)	7.3	5.3	6.3	6.7	7.0	7.7	6.0	6.0	7.7	5.3	6.0	7.3	6.6
ANNIHILATOR	8.0	5.7	6.0	6.7	6.7	6.3	5.3	6.0	7.7	5.7	6.7	7.7	6.5
COMP. RES. SST	7.3	5.7	6.3	7.7	6.0	6.0	6.0	6.0	8.0	5.3	5.7	8.0	6.5
AQUADUCT	8.0	5.3	6.0	6.0	6.7	6.3	5.7	5.7	8.0	6.0	6.3	7.7	6.5
SWAGGER (PST-5R05)	7.7	6.3	6.0	6.0	6.0	6.3	5.7	6.0	8.0	6.0	5.7	8.0	6.5
BLOODHOUND (MET 6 SEL)	7.3	5.7	6.3	6.0	6.7	6.7	5.3	6.0	8.0	5.7	6.3	7.3	6.4
MARAUDER	7.7	5.3	6.0	7.0	6.7	6.3	5.3	6.0	8.0	5.3	5.7	7.7	6.4
PSG-TT4	8.0	5.7	6.0	7.3	6.7	5.3	5.7	5.3	8.0	5.3	6.0	7.7	6.4
PPG-TF-169	7.7	5.3	6.3	6.7	6.3	7.0	5.3	6.0	8.0	5.3	5.3	7.7	6.4
PST-5BRK	7.7	6.0	6.0	6.7	7.3	6.3	5.0	5.7	8.0	5.3	5.3	7.7	6.4
RAIN DANCE (PST-5SDT)	7.3	5.0	6.0	7.0	6.3	6.3	5.7	6.0	8.0	5.3	6.0	7.7	6.4
ATF 1754	7.7	5.0	6.3	6.3	6.7	6.0	6.0	6.0	8.0	5.0	6.3	7.3	6.4
SALTILLO (PST-5SALT)	7.0	5.7	6.0	7.0	6.0	6.0	5.7	5.7	7.7	5.3	6.0	7.7	6.3
MERIDIAN (PST-5GRB)	7.3	5.0	6.3	6.0	6.0	6.0	5.3	6.0	8.0	5.7	6.7	7.3	6.3
PST-5EX2	7.7	5.0	6.0	6.7	6.3	6.7	5.3	5.3	8.0	5.3	5.3	7.3	6.3
204 RES. BLK4	7.0	5.0	6.0	6.0	5.7	6.3	5.3	6.0	8.0	5.0	5.7	7.0	6.1
BAR FA 120878	8.0	4.3	6.0	6.3	5.3	5.0	5.3	5.0	8.0	4.7	4.0	6.7	5.7
KY-31	5.7	2.0	4.7	6.0	3.3	4.0	4.0	4.0	6.0	3.0	1.0	4.3	4.0
LSD VALUE	0.7	1.1	0.8	1.1	1.1	1.0	1.0	0.3	0.3	0.6	1.6	0.7	0.3
C.V. (%)	5.6	10.3	8.1	9.9	10.4	9.7	10.2	3.4	2.6	6.3	14.6	5.7	8.6

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

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

TABLE 20. SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	IL1	MS1	NC1	NE1	NJ1	MEAN
KY-31	6.0	5.7	8.0	5.0	9.0	6.7
PPG-TF-169	7.3	6.7	8.0	4.0	6.3	6.5
PST-5EX2	6.0	6.3	8.0	4.0	8.0	6.5
GRANDE 3	6.0	6.0	8.0	4.7	7.0	6.3
CATALYST	6.0	6.3	8.0	4.0	6.7	6.2
ROCKWELL (LTP-TWUU)	6.3	6.0	8.0	4.0	6.7	6.2
GTO (BURL TF-2)	6.0	6.0	8.0	4.7	6.0	6.1
LEONARDO (LTP-FSD)	5.0	7.0	8.0	4.0	6.7	6.1
REBOUNDER (PICK-W43)	6.3	6.0	8.0	4.0	6.3	6.1
4TH MILLENNIUM SRP (U43)	5.7	6.0	8.0	4.0	6.7	6.1
MICHELANGELO (LTP-F5DPDR)	5.7	6.3	7.7	4.0	6.7	6.1
FALCON V	6.0	6.0	8.0	4.0	6.3	6.1
FAYETTE (IS-TF 291)	5.3	6.7	8.0	4.0	6.3	6.1
FESNOVA	5.7	6.7	7.7	4.0	6.3	6.1
MAESTRO (T31)	6.0	6.3	8.0	4.0	6.0	6.1
SCREAMER LS (PPG-TF-148)	6.0	6.3	8.0	4.0	6.0	6.1
MET 1	5.3	6.3	8.0	4.3	6.3	6.1
FAITH	5.7	6.7	8.0	4.0	5.7	6.0
BAR FA 120878	5.3	5.3	7.3	4.0	8.0	6.0
BIZEM	5.0	6.7	8.0	4.0	6.3	6.0
BLOODHOUND (MET 6 SEL)	5.7	6.0	8.0	4.3	6.0	6.0
PSG-PO1	5.7	6.3	8.0	4.0	6.0	6.0
RAIN DANCE (PST-5SDT)	6.0	6.0	8.0	4.0	6.0	6.0
AMITY (CCR2)	6.0	6.0	8.0	4.0	5.7	5.9
REBEL V (ATF 1736)	5.7	6.0	7.7	4.0	6.3	5.9
SUPERSONIC (PPG-TF-170)	6.0	6.0	8.0	4.0	5.7	5.9
RAPTOR III (ZW 44)	6.0	6.3	7.3	4.0	6.0	5.9
BLACK TAIL (PPG-TF-150)	5.7	6.0	7.7	4.0	6.0	5.9
PPG-TF-138	5.7	6.7	7.3	4.0	5.7	5.9
PST-5BRK	6.0	5.7	7.7	4.0	6.0	5.9
REGENERATE	5.7	6.0	7.7	4.0	6.0	5.9
TECHNIQUE (RZ2)	5.7	6.0	8.0	4.0	5.7	5.9
ATF 1704	5.0	6.0	8.0	4.0	6.3	5.9
F711	5.3	6.0	8.0	4.3	5.7	5.9
FIREBIRD 2	5.3	6.0	8.0	4.0	6.0	5.9
MET-3	6.0	6.3	7.7	4.0	5.3	5.9
PSG-GSD	5.3	6.0	7.7	4.0	6.3	5.9
W41	5.3	6.3	8.0	4.0	5.7	5.9
IS-TF 311	5.7	5.7	8.0	4.0	5.7	5.8
ATF 1754	5.0	6.0	8.0	4.0	6.0	5.8
CAESAR (TY 10)	5.7	6.3	7.7	4.0	5.3	5.8

TABLE 20. SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	IL1	MS1	NC1	NE1	NJ1	MEAN
FALCON IV	5.3	6.0	7.7	4.0	6.0	5.8
HOT ROD (BURL TF-136)	5.3	5.7	8.0	4.3	5.7	5.8
PARAMOUNT (PPG-TF-137)	5.7	6.3	7.7	4.0	5.3	5.8
PPG-TF-135	5.3	6.0	8.0	4.0	5.7	5.8
PST-5MVD	5.3	5.7	7.7	4.0	6.3	5.8
WICHITA (PPG-TF-151)	5.0	6.0	8.0	4.0	6.0	5.8
AVENGER II (PPG-TF-156)	6.0	6.3	8.0	2.7	5.7	5.7
PST-5BPO	5.3	6.0	7.7	4.0	5.7	5.7
TEMPLE (DZ1)	5.0	6.0	8.0	4.0	5.7	5.7
B23	6.0	6.3	7.0	4.0	5.3	5.7
BULLSEYE	5.3	6.0	7.7	4.3	5.3	5.7
HOVER (BURL TF-69)	5.3	6.3	7.7	4.0	5.3	5.7
THOR (PPG-TF-157)	5.3	6.0	8.0	4.0	5.3	5.7
TRAVERSE 2 SRP (W45)	5.3	6.3	7.7	4.0	5.3	5.7
VALKYRIE LS (PPG-TF-172)	5.3	6.0	8.0	4.0	5.3	5.7
XTENDER (PPG-TF-139)	5.3	6.3	7.7	4.0	5.3	5.7
ATF 1612	5.7	6.0	7.7	4.0	5.0	5.7
ROWDY (SRX-TPC)	4.7	6.0	7.0	4.0	6.7	5.7
IS-TF-287	5.3	6.0	8.0	4.0	5.0	5.7
MERIDIAN (PST-5GRB)	4.7	6.0	7.3	4.3	6.0	5.7
TITANIUM 2LS (PPG-TF-152)	5.3	6.0	7.7	4.0	5.3	5.7
TURFWAY (IS-TF 282 M2)	5.0	6.0	7.3	4.0	6.0	5.7
BAR FA 121089	4.7	5.7	7.7	4.0	6.0	5.6
HEMI	5.0	6.0	7.7	4.0	5.3	5.6
JS 916	5.0	6.3	7.0	4.0	5.7	5.6
RAD-TF-83	5.3	6.0	8.0	4.0	4.7	5.6
REFLECTION (U45)	5.3	6.0	7.7	4.0	5.0	5.6
CROSSFIRE 4 (IS-TF 310 SEL)	4.7	6.0	8.0	4.0	5.0	5.5
EMBRACE (PST-5EV2)	5.0	6.0	8.0	4.0	4.7	5.5
FIREWALL (PSG-WE1)	5.3	6.0	7.7	4.0	4.7	5.5
PPG-TF-115	5.0	6.0	7.7	4.0	5.0	5.5
RAD-TF-92	5.3	6.0	7.7	4.0	4.7	5.5
RHAMBLER 2 SRP (LSD)	5.3	6.0	7.0	4.0	5.3	5.5
RHIZING MOON (IS-TF 305 SEL)	5.0	6.0	7.3	4.0	5.3	5.5
SWAGGER (PST-5R05)	4.7	6.0	7.3	4.0	5.7	5.5
FIRECRACKER SLS (PPG-TF-105)	4.7	6.0	7.3	4.0	5.3	5.5
K12-MCD	4.7	6.0	7.3	4.0	5.3	5.5
DIABLO (IS-TF 330)	4.3	6.0	8.0	4.0	4.7	5.4
INSPIRATION (PST-R5NW)	5.7	5.7	6.7	4.0	5.0	5.4
IS-TF 308 SEL	5.0	6.0	7.3	4.0	4.7	5.4
PST-5DZP	5.0	6.0	7.0	4.0	5.0	5.4
TERRANO	4.7	6.0	7.3	4.0	5.0	5.4

TABLE 20. SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	IL1	MS1	NC1	NE1	NJ1	MEAN
FRONTLINE (EXP TF-09)	5.3	6.0	7.7	4.0	3.7	5.3
PSG-8BP2	4.7	5.7	7.3	4.0	5.0	5.3
IS-TF 276 M2	5.0	6.0	7.3	4.0	4.3	5.3
PSG-TT4	4.3	6.0	7.3	4.0	5.0	5.3
204 RES. BLK4	6.0	5.3	7.3	4.0	3.7	5.3
HOUNDG8 (IS-TF 307 SEL)	4.3	6.0	7.7	4.0	4.3	5.3
TEMPTATION (OR-21)	5.0	6.0	7.0	4.0	4.3	5.3
IS-TF 269 SEL	4.7	6.0	6.7	4.0	4.7	5.2
BAR FA 121091	5.3	5.7	7.3	4.0	3.7	5.2
RAD-TF-89	4.7	5.7	7.3	4.0	4.3	5.2
SALTILLO (PST-5SALT)	4.0	5.3	7.3	4.0	5.3	5.2
MEMPHIS (GO-DFR)	4.7	6.0	7.3	4.0	3.7	5.1
NIGHTCRAWLER (IS-TF 285)	4.0	6.0	6.7	4.0	5.0	5.1
FOXHOUND (IS-TF 284 M2)	4.0	6.0	7.3	4.0	4.0	5.1
K12-05	4.3	6.0	7.3	4.0	3.7	5.1
OLYMPUS (RAD-TF-88)	5.3	5.3	7.0	4.0	3.7	5.1
JS 819	5.3	5.7	7.0	4.0	3.0	5.0
AQUADUCT	4.0	5.3	7.3	4.0	4.3	5.0
DYNAMITE LS (PPG-TF-145)	4.7	5.7	7.3	4.0	3.0	4.9
COMP. RES. SST	4.3	5.7	6.7	4.0	3.7	4.9
ARES (PPG-TF-142)	5.0	6.0	7.3	2.7	3.3	4.9
MARAUDER	5.0	5.3	7.0	4.0	3.0	4.9
UNITUS (IS-TF 289)	4.3	5.7	7.3	4.0	3.0	4.9
BAR FA 121095	4.0	5.7	7.0	4.0	3.3	4.8
JS 818	4.0	5.7	7.3	4.0	3.0	4.8
IS-TF 272	4.3	5.0	7.3	4.0	3.3	4.8
KINGDOM (DB1)	4.0	5.7	6.7	4.0	3.0	4.7
ANNIHILATOR	4.3	5.3	6.3	4.0	3.3	4.7
JS 809	4.3	5.0	7.3	4.0	2.7	4.7
WARHAWK	4.3	5.3	6.7	4.0	2.7	4.6
THUNDERSTRUCK (TD1)	4.0	6.0	6.7	4.0	2.0	4.5
JS 825	4.0	5.0	6.7	4.3	2.3	4.5
K12-13	3.7	5.3	7.0	4.0	1.7	4.3
LSD VALUE	1.1	0.6	0.8	0.6	1.1	0.4
C.V. (%)	13.4	6.5	6.4	8.5	13.5	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 21. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CA3	CT1	IL1	IN1	MS1	NC1	NE1	MEAN
OLYMPUS (RAD-TF-88)	6.3	6.3	6.3	6.3	6.0	8.0	4.3	6.2
FOXHOUND (IS-TF 284 M2)	5.3	6.0	7.0	6.0	6.7	8.0	4.3	6.2
204 RES. BLK4	6.7	6.3	6.3	5.7	6.0	8.0	4.0	6.1
IS-TF 311	6.3	6.3	5.7	6.0	6.0	8.0	4.7	6.1
TECHNIQUE (RZ2)	6.0	5.7	6.3	6.3	6.0	8.0	4.7	6.1
4TH MILLENNIUM SRP (U43)	6.0	5.7	6.0	6.7	6.0	8.0	4.3	6.1
COMP. RES. SST	6.7	6.0	5.7	6.0	6.3	8.0	4.0	6.1
REFLECTION (U45)	6.0	6.0	6.0	6.7	6.0	8.0	4.0	6.1
AVENGER II (PPG-TF-156)	6.3	6.0	6.0	6.3	6.0	8.0	4.0	6.1
K12-05	6.0	6.0	6.3	6.0	6.0	8.0	4.3	6.1
REGENERATE	6.3	6.0	6.3	6.0	6.0	8.0	4.0	6.1
THOR (PPG-TF-157)	6.0	6.3	5.3	6.3	6.0	8.0	4.7	6.1
THUNDERSTRUCK (TD1)	6.0	6.3	6.0	6.0	6.0	8.0	4.3	6.1
W41	6.0	6.0	6.0	6.0	6.3	8.0	4.3	6.1
HOT ROD (BURL TF-136)	5.3	6.0	6.7	5.7	6.0	8.0	4.7	6.0
HOVER (BURL TF-69)	5.7	6.3	6.0	6.0	6.0	8.0	4.3	6.0
SCREAMER LS (PPG-TF-148)	6.3	5.7	5.7	6.0	6.0	8.0	4.7	6.0
BLACK TAIL (PPG-TF-150)	6.3	5.7	6.3	6.0	6.0	8.0	4.0	6.0
IS-TF 308 SEL	5.3	6.0	5.7	6.3	6.0	8.0	5.0	6.0
MET-3	6.0	6.3	6.0	6.0	6.0	8.0	4.0	6.0
RAPTOR III (ZW 44)	6.0	5.3	6.0	6.0	6.0	8.0	5.0	6.0
TURFWAY (IS-TF 282 M2)	5.3	5.7	6.3	6.0	7.0	8.0	4.0	6.0
K12-13	6.3	6.0	5.0	5.7	6.7	8.0	4.3	6.0
AMITY (CCR2)	6.0	6.7	5.3	6.0	6.0	8.0	4.0	6.0
IS-TF 272	5.7	6.7	6.3	5.3	6.0	8.0	4.0	6.0
JS 809	5.7	5.7	5.3	6.3	6.0	8.0	5.0	6.0
MARAUDER	5.7	5.7	6.0	6.7	6.0	8.0	4.0	6.0
MET 1	6.0	6.0	5.3	5.7	6.0	8.3	4.7	6.0
PSG-P01	6.0	6.3	5.7	6.0	6.0	8.0	4.0	6.0
XTENDER (PPG-TF-139)	6.0	5.7	5.7	6.7	6.0	8.0	4.0	6.0
FIREBIRD 2	5.7	5.7	5.7	6.3	6.0	8.0	4.7	6.0
MEMPHIS (GO-DFR)	6.0	5.3	6.0	6.0	6.0	8.0	4.7	6.0
ROWDY (SRX-TPC)	6.0	6.3	5.3	5.7	6.0	8.0	4.7	6.0
FIRECRACKER SLS (PPG-TF-105)	5.7	5.7	6.0	6.0	6.0	8.0	4.3	6.0
FIREWALL (PSG-WE1)	6.0	6.0	6.0	5.7	6.0	8.0	4.0	6.0
TRAVERSE 2 SRP (W45)	5.7	6.0	6.0	5.7	6.0	8.0	4.3	6.0
ATF 1754	5.7	5.3	6.3	5.7	6.0	8.0	4.7	6.0
BIZEM	5.7	5.7	5.7	6.0	6.0	8.0	4.7	6.0
FAITH	6.0	5.3	6.0	5.3	6.0	8.0	5.0	6.0
HEMI	5.7	5.7	5.7	6.0	6.0	8.0	4.7	6.0
K12-MCD	5.3	6.0	6.0	5.7	6.0	7.7	5.0	6.0

TABLE 21. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	CA3	CT1	IL1	IN1	MS1	NC1	NE1	MEAN
MAESTRO (T31)	6.3	5.3	5.3	6.0	6.0	8.0	4.7	6.0
BULLSEYE	5.7	5.7	5.3	6.0	6.0	8.0	4.7	5.9
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	6.7	5.3	5.7	6.0	8.0	4.0	5.9
DIABLO (IS-TF 330)	5.7	6.0	5.7	5.7	6.0	8.0	4.3	5.9
F711	6.0	6.0	5.0	6.0	6.0	8.0	4.3	5.9
HOUNDG8 (IS-TF 307 SEL)	6.0	6.0	4.7	6.3	6.0	8.0	4.3	5.9
IS-TF 269 SEL	5.7	5.3	6.0	6.3	5.7	8.0	4.3	5.9
KINGDOM (DB1)	5.3	5.7	6.0	5.7	6.0	8.0	4.7	5.9
PARAMOUNT (PPG-TF-137)	6.0	6.0	5.0	6.0	6.0	8.0	4.3	5.9
PPG-TF-135	6.0	6.0	5.0	6.0	6.0	8.0	4.3	5.9
PST-5BRK	5.0	5.7	6.0	5.7	6.0	8.0	5.0	5.9
RAD-TF-83	4.7	5.7	6.0	6.0	6.0	8.0	5.0	5.9
RAD-TF-92	5.0	6.0	6.0	6.0	6.0	8.0	4.3	5.9
TEMPLE (DZ1)	6.3	6.0	5.0	5.7	6.0	8.0	4.3	5.9
WARHAWK	5.0	6.0	5.7	5.7	6.3	8.0	4.7	5.9
FAYETTE (IS-TF 291)	6.0	6.0	5.0	6.0	6.3	8.0	4.0	5.9
MERIDIAN (PST-5GRB)	5.3	6.3	5.3	6.3	6.0	8.0	4.0	5.9
REBOUNDER (PICK-W43)	5.7	6.3	6.3	5.0	6.0	8.0	4.0	5.9
TITANIUM 2LS (PPG-TF-152)	6.0	6.0	5.3	6.0	6.0	8.0	4.0	5.9
ROCKWELL (LTP-TWUU)	5.3	5.0	6.7	5.7	6.0	8.0	4.3	5.9
WICHITA (PPG-TF-151)	6.0	5.3	5.7	5.7	6.0	8.0	4.3	5.9
ANNIHILATOR	5.3	5.7	5.7	5.7	6.0	8.0	4.7	5.9
BLOODHOUND (MET 6 SEL)	5.7	5.3	6.3	5.3	6.0	8.0	4.3	5.9
PPG-TF-115	5.3	5.0	5.7	6.0	6.0	8.0	5.0	5.9
RHIZING MOON (IS-TF 305 SEL)	6.0	5.7	5.7	5.7	6.0	8.0	4.0	5.9
PPG-TF-169	5.3	4.7	6.3	6.0	6.0	8.0	4.7	5.9
BAR FA 121095	5.0	5.7	6.0	6.0	6.0	8.0	4.0	5.8
SUPERSONIC (PPG-TF-170)	6.0	5.3	5.7	5.7	6.0	7.7	4.3	5.8
GRANDE 3	5.7	5.7	5.3	5.7	6.0	7.7	4.7	5.8
PPG-TF-138	5.3	5.3	5.3	6.0	6.0	8.0	4.7	5.8
VALKYRIE LS (PPG-TF-172)	6.0	5.7	5.0	5.3	6.0	8.0	4.7	5.8
ATF 1704	5.7	5.3	5.7	5.7	6.0	8.0	4.0	5.8
LEONARDO (LTP-FSD)	5.0	4.7	5.7	6.0	6.0	8.0	5.0	5.8
PST-5DZP	5.7	5.3	5.0	6.0	6.0	8.0	4.3	5.8
ARES (PPG-TF-142)	5.0	5.7	4.3	6.3	6.3	8.0	4.7	5.8
ATF 1612	5.7	5.3	5.3	6.0	6.0	8.0	4.0	5.8
FESNOVA	6.0	5.3	6.0	5.3	5.7	8.0	4.0	5.8
GTO (BURL TF-2)	6.0	5.3	5.7	5.3	6.0	8.0	4.0	5.8
PST-5MVD	5.3	4.7	6.0	5.3	6.0	8.0	5.0	5.8
SALTILLO (PST-5SALT)	4.7	5.3	6.0	5.3	6.0	8.0	5.0	5.8
JS 819	5.7	5.7	5.0	5.7	6.0	7.7	4.3	5.7
CATALYST	5.3	5.7	5.0	6.0	6.0	8.0	4.0	5.7

TABLE 21. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	CA3	CT1	IL1	IN1	MS1	NC1	NE1	MEAN
EMBRACE (PST-5EV2)	5.0	5.0	5.3	6.3	6.0	8.0	4.3	5.7
IS-TF-287	5.3	5.7	5.0	5.0	6.0	8.0	5.0	5.7
JS 916	5.0	5.7	5.3	6.0	6.0	8.0	4.0	5.7
MICHELANGELO (LTP-F5DPDR)	5.3	5.0	5.7	5.7	5.7	8.0	4.7	5.7
PST-5BP0	5.0	5.0	6.0	6.0	5.7	7.7	4.7	5.7
RAD-TF-89	6.0	5.0	5.0	6.0	6.0	8.0	4.0	5.7
DYNAMITE LS (PPG-TF-145)	5.7	4.7	5.0	6.0	6.0	8.0	4.3	5.7
RAIN DANCE (PST-5SDT)	4.7	4.7	6.0	6.0	5.3	8.0	5.0	5.7
TEMPTATION (OR-21)	5.0	4.7	5.7	5.7	5.7	8.0	5.0	5.7
FALCON V	5.7	6.0	4.3	6.0	6.0	7.7	4.0	5.7
BAR FA 121091	5.0	4.7	6.3	5.3	5.7	7.3	5.0	5.6
REBEL V (ATF 1736)	5.0	5.0	6.3	4.7	6.0	7.3	5.0	5.6
RHAMBLER 2 SRP (LSD)	6.0	5.3	3.7	6.0	6.0	8.0	4.3	5.6
FRONTLINE (EXP TF-09)	5.7	4.7	6.0	5.3	5.3	7.7	4.7	5.6
IS-TF 276 M2	5.7	4.7	5.7	5.3	6.0	8.0	4.0	5.6
CAESAR (TY 10)	5.3	4.7	5.7	5.0	6.0	8.0	4.3	5.6
B23	6.0	5.3	3.7	6.0	6.0	8.0	4.0	5.6
JS 818	5.0	5.3	5.0	5.7	6.0	8.0	4.0	5.6
NIGHTCRAWLER (IS-TF 285)	4.7	5.7	5.3	6.0	6.0	7.3	4.0	5.6
TERRANO	6.0	4.7	4.3	5.7	5.3	8.0	5.0	5.6
BAR FA 121089	4.7	4.7	5.7	5.3	6.0	8.0	4.7	5.6
AQUADUCT	5.7	4.3	6.0	5.3	5.7	7.7	4.0	5.5
PSG-TT4	5.0	5.0	5.7	5.3	5.3	8.0	4.3	5.5
UNITUS (IS-TF 289)	4.3	5.0	5.0	5.7	6.0	8.0	4.7	5.5
SWAGGER (PST-5R05)	4.7	5.0	4.7	5.7	6.0	8.0	4.3	5.5
PSG-GSD	5.7	4.3	4.3	5.3	5.7	7.7	5.0	5.4
INSPIRATION (PST-R5NW)	4.7	3.7	6.0	6.0	5.0	7.3	5.0	5.4
PSG-8BP2	5.0	4.7	4.3	5.7	5.0	8.0	5.0	5.4
PST-5EX2	4.3	4.7	5.7	5.3	5.3	8.0	4.3	5.4
FALCON IV	4.7	4.3	5.0	5.0	5.7	7.3	5.0	5.3
JS 825	4.0	4.7	5.0	5.0	5.7	7.7	5.0	5.3
BAR FA 120878	3.7	3.0	5.7	4.7	4.0	7.0	5.0	4.7
KY-31	3.0	2.0	4.0	3.0	3.0	5.7	6.0	3.8
LSD VALUE	0.8	1.2	1.2	0.9	0.4	0.4	0.7	0.3
C.V. (%)	8.7	13.8	13.5	9.9	4.5	3.0	9.2	9.2

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

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

TABLE 22.

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	NAME	NC1
BLOODHOUND (MET 6 SEL)	7.7	FESNOVA	6.0
GTO (BURL TF-2)	7.3	FIREWALL (PSG-WE1)	6.0
AMITY (CCR2)	7.0	GRANDE 3	6.0
FIREBIRD 2	7.0	HOT ROD (BURL TF-136)	6.0
LEONARDO (LTP-FSD)	7.0	IS-TF-287	6.0
PST-5EX2	7.0	K12-MCD	6.0
REGENERATE	7.0	MEMPHIS (GO-DFR)	6.0
SCREAMER LS (PPG-TF-148)	7.0	MET-3	6.0
TECHNIQUE (RZ2)	7.0	PSG-PO1	6.0
VALKYRIE LS (PPG-TF-172)	7.0	PSG-TT4	6.0
WICHITA (PPG-TF-151)	7.0	PST-5BRK	6.0
4TH MILLENNIUM SRP (U43)	6.7	RAD-TF-89	6.0
ATF 1612	6.7	RAPTOR III (ZW 44)	6.0
ATF 1704	6.7	REBEL V (ATF 1736)	6.0
EMBRACE (PST-5EV2)	6.7	RHIZING MOON (IS-TF 305 SEL)	6.0
F711	6.7	ROWDY (SRX-TPC)	6.0
HEMI	6.7	TEMPTATION (OR-21)	6.0
MAESTRO (T31)	6.7	THUNDERSTRUCK (TD1)	6.0
PPG-TF-169	6.7	TURFWAY (IS-TF 282 M2)	6.0
SUPERSONIC (PPG-TF-170)	6.7	W41	6.0
TITANIUM 2LS (PPG-TF-152)	6.7	XTENDER (PPG-TF-139)	6.0
ATF 1754	6.3	BAR FA 120878	5.7
AVENGER II (PPG-TF-156)	6.3	BIZEM	5.7
BLACK TAIL (PPG-TF-150)	6.3	BULLSEYE	5.7
FIRECRACKER SLS (PPG-TF-105)	6.3	CAESAR (TY 10)	5.7
IS-TF 311	6.3	DIABLO (IS-TF 330)	5.7
MET 1	6.3	HOUNDOG8 (IS-TF 307 SEL)	5.7
MICHELANGELO (LTP-F5DPDR)	6.3	IS-TF 269 SEL	5.7
PARAMOUNT (PPG-TF-137)	6.3	IS-TF 308 SEL	5.7
PPG-TF-115	6.3	KY-31	5.7
PPG-TF-135	6.3	PSG-GSD	5.7
PST-5BP0	6.3	SWAGGER (PST-5R05)	5.7
PST-5MVD	6.3	TRAVERSE 2 SRP (W45)	5.7
RAIN DANCE (PST-5SDT)	6.3	AQUADUCT	5.3
REBOUNDER (PICK-W43)	6.3	B23	5.3
ROCKWELL (LTP-TWUU)	6.3	CATALYST	5.3
THOR (PPG-TF-157)	6.3	FAYETTE (IS-TF 291)	5.3
BAR FA 121089	6.0	FRONTLINE (EXP TF-09)	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	HOVER (BURL TF-69)	5.3
FAITH	6.0	JS 819	5.3
FALCON V	6.0	JS 916	5.3
		K12-05	5.3

TABLE 22. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	NC1
KINGDOM (DB1)	5.3
MERIDIAN (PST-5GRB)	5.3
PPG-TF-138	5.3
PST-5DZP	5.3
RAD-TF-83	5.3
RAD-TF-92	5.3
SALTILLO (PST-5SALT)	5.3
TEMPLE (DZ1)	5.3
TERRANO	5.3
204 RES. BLK4	5.0
BAR FA 121091	5.0
FALCON IV	5.0
FOXHOUND (IS-TF 284 M2)	5.0
IS-TF 276 M2	5.0
JS 818	5.0
NIGHTCRAWLER (IS-TF 285)	5.0
OLYMPUS (RAD-TF-88)	5.0
PSG-8BP2	5.0
REFLECTION (U45)	5.0
RHAMBLER 2 SRP (LSD)	5.0
ARES (PPG-TF-142)	4.7
BAR FA 121095	4.7
COMP. RES. SST	4.7
DYNAMITE LS (PPG-TF-145)	4.7
INSPIRATION (PST-R5NW)	4.7
IS-TF 272	4.7
JS 809	4.7
K12-13	4.7
UNITUS (IS-TF 289)	4.7
WARHAWK	4.7
JS 825	4.3
MARAUDER	4.3
ANNIHILATOR	4.0
LSD VALUE	1.3
C.V. (%)	14.4

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

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

TABLE 23.

SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CA3	IN1	MEAN	NAME	CA3	IN1	MEAN
REFLECTION (U45)	7.7	7.3	7.5	CATALYST	6.7	6.0	6.3
4TH MILLENNIUM SRP (U43)	7.3	6.7	7.0	FOXHOUND (IS-TF 284 M2)	6.7	6.0	6.3
AMITY (CCR2)	7.0	7.0	7.0	LEONARDO (LTP-FSD)	6.7	6.0	6.3
BLACK TAIL (PPG-TF-150)	7.0	7.0	7.0	MET 1	6.7	6.0	6.3
OLYMPUS (RAD-TF-88)	7.0	7.0	7.0	PPG-TF-115	7.0	5.7	6.3
BIZEM	7.0	6.7	6.8	PSG-P01	6.7	6.0	6.3
DIABLO (IS-TF 330)	7.0	6.7	6.8	THUNDERSTRUCK (TD1)	6.7	6.0	6.3
HEMI	6.7	7.0	6.8	VALKYRIE LS (PPG-TF-172)	6.7	6.0	6.3
IS-TF 308 SEL	7.0	6.7	6.8	ATF 1754	6.3	6.3	6.3
MERIDIAN (PST-5GRB)	6.7	7.0	6.8	BLOODHOUND (MET 6 SEL)	6.3	6.3	6.3
MET-3	7.0	6.7	6.8	JS 818	6.3	6.3	6.3
ROWDY (SRX-TPC)	7.0	6.7	6.8	NIGHTCRAWLER (IS-TF 285)	6.3	6.3	6.3
SCREAMER LS (PPG-TF-148)	7.0	6.7	6.8	PPG-TF-138	6.3	6.3	6.3
TECHNIQUE (RZ2)	7.0	6.7	6.8	PPG-TF-169	6.3	6.3	6.3
HOT ROD (BURL TF-136)	7.3	6.3	6.8	XTENDER (PPG-TF-139)	6.3	6.3	6.3
IS-TF 311	7.3	6.3	6.8	FESNOVA	6.7	5.7	6.2
COMP. RES. SST	6.7	6.7	6.7	GTO (BURL TF-2)	6.7	5.7	6.2
EMBRACE (PST-5EV2)	6.7	6.7	6.7	KINGDOM (DB1)	6.7	5.7	6.2
FIREBIRD 2	6.7	6.7	6.7	MAESTRO (T31)	6.7	5.7	6.2
FIREWALL (PSG-WE1)	7.7	5.7	6.7	PST-5DZP	6.7	5.7	6.2
GRANDE 3	6.7	6.7	6.7	ARES (PPG-TF-142)	6.0	6.3	6.2
HOUNDOG8 (IS-TF 307 SEL)	6.7	6.7	6.7	BULLSEYE	6.3	6.0	6.2
F711	7.0	6.3	6.7	HOVER (BURL TF-69)	6.3	6.0	6.2
FIRECRACKER SLS (PPG-TF-105)	7.0	6.3	6.7	IS-TF 269 SEL	6.3	6.0	6.2
REGENERATE	7.0	6.3	6.7	IS-TF 272	6.3	6.0	6.2
ROCKWELL (LTP-TWU)	7.0	6.3	6.7	IS-TF 276 M2	6.3	6.0	6.2
THOR (PPG-TF-157)	6.3	7.0	6.7	JS 916	6.3	6.0	6.2
ATF 1612	6.0	7.0	6.5	MEMPHIS (GO-DFR)	6.0	6.3	6.2
ATF 1704	6.7	6.3	6.5	PSG-GSD	6.3	6.0	6.2
K12-05	6.7	6.3	6.5	RAD-TF-92	6.3	6.0	6.2
K12-MCD	7.0	6.0	6.5	REBOUNDER (PICK-W43)	6.3	6.0	6.2
PARAMOUNT (PPG-TF-137)	6.7	6.3	6.5	RHAMBLER 2 SRP (LSD)	6.3	6.0	6.2
PPG-TF-135	7.0	6.0	6.5	RHIZING MOON (IS-TF 305 SEL)	6.0	6.3	6.2
RAD-TF-89	6.7	6.3	6.5	SALTILLO (PST-5SALT)	6.3	6.0	6.2
TEMPLE (DZ1)	7.0	6.0	6.5	TRAVERSE 2 SRP (W45)	6.3	6.0	6.2
TITANIUM 2LS (PPG-TF-152)	6.3	6.7	6.5	CROSSFIRE 4 (IS-TF 310 SEL)	6.3	5.7	6.0
W41	6.3	6.7	6.5	FAITH	6.3	5.7	6.0
WICHITA (PPG-TF-151)	6.3	6.7	6.5	FALCON IV	6.3	5.7	6.0
204 RES. BLK4	7.0	5.7	6.3	FALCON V	6.7	5.3	6.0
AVENGER II (PPG-TF-156)	6.0	6.7	6.3	K12-13	6.3	5.7	6.0
BAR FA 121095	7.0	5.7	6.3	MICHELANGELO (LTP-F5DPDR)	6.3	5.7	6.0
				PSG-8BP2	6.3	5.7	6.0

TABLE 23. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	CA3	IN1	MEAN
PST-5BPO	6.0	6.0	6.0
RAD-TF-83	6.0	6.0	6.0
RAIN DANCE (PST-5SDT)	6.0	6.0	6.0
RAPTOR III (ZW 44)	6.0	6.0	6.0
TERRANO	6.3	5.7	6.0
UNITUS (IS-TF 289)	6.0	6.0	6.0
B23	5.7	6.0	5.8
BAR FA 121091	6.0	5.7	5.8
FAYETTE (IS-TF 291)	6.0	5.7	5.8
JS 819	5.7	6.0	5.8
PST-5MVD	5.7	6.0	5.8
SUPERSONIC (PPG-TF-170)	6.0	5.7	5.8
TURFWAY (IS-TF 282 M2)	6.0	5.7	5.8
ANNIHILATOR	6.3	5.3	5.8
DYNAMITE LS (PPG-TF-145)	6.3	5.3	5.8
INSPIRATION (PST-R5NW)	6.3	5.3	5.8
JS 809	6.3	5.3	5.8
PST-5BRK	5.3	6.3	5.8
REBEL V (ATF 1736)	6.3	5.3	5.8
FRONTLINE (EXP TF-09)	5.7	5.7	5.7
SWAGGER (PST-5R05)	5.7	5.7	5.7
CAESAR (TY 10)	6.0	5.3	5.7
IS-TF-287	6.0	5.3	5.7
MARAUDER	6.0	5.3	5.7
PST-5EX2	6.0	5.3	5.7
TEMPTATION (OR-21)	6.0	5.3	5.7
PSG-TT4	5.0	6.0	5.5
AQUADUCT	5.7	5.0	5.3
BAR FA 121089	5.7	5.0	5.3
BAR FA 120878	5.3	5.0	5.2
WARHAWK	5.3	5.0	5.2
JS 825	4.7	5.3	5.0
KY-31	4.3	4.0	4.2
LSD VALUE	1.0	1.1	0.7
C.V. (%)	9.7	11.0	10.3

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.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NC1	NAME	NC1
PST-5EX2	7.7	AMITY (CCR2)	6.0
MERIDIAN (PST-5GRB)	7.5	AQUADUCT	6.0
RAPTOR III (ZW 44)	7.3	ATF 1612	6.0
SUPERSONIC (PPG-TF-170)	7.3	DIABLO (IS-TF 330)	6.0
THOR (PPG-TF-157)	7.3	DYNAMITE LS (PPG-TF-145)	6.0
BIZEM	7.0	FAYETTE (IS-TF 291)	6.0
F711	7.0	FIREBIRD 2	6.0
GTO (BURL TF-2)	7.0	FOXHOUND (IS-TF 284 M2)	6.0
LEONARDO (LTP-FSD)	7.0	JS 809	6.0
MET-3	7.0	K12-05	6.0
MICHELANGELO (LTP-F5DPDR)	7.0	K12-13	6.0
PARAMOUNT (PPG-TF-137)	7.0	KY-31	6.0
PST-5BPO	7.0	MAESTRO (T31)	6.0
PST-5BRK	7.0	PSG-8BP2	6.0
RAIN DANCE (PST-5SDT)	7.0	RHAMBLER 2 SRP (LSD)	6.0
CAESAR (TY 10)	6.7	RHIZING MOON (IS-TF 305 SEL)	6.0
EMBRACE (PST-5EV2)	6.7	TITANIUM 2LS (PPG-TF-152)	6.0
GRANDE 3	6.7	VALKYRIE LS (PPG-TF-172)	6.0
HOUNDOG8 (IS-TF 307 SEL)	6.7	XTENDER (PPG-TF-139)	6.0
IS-TF 269 SEL	6.7	4TH MILLENNIUM SRP (U43)	5.7
IS-TF 276 M2	6.7	ATF 1704	5.7
PPG-TF-115	6.7	ATF 1754	5.7
PPG-TF-135	6.7	BAR FA 121091	5.7
REBEL V (ATF 1736)	6.7	BLACK TAIL (PPG-TF-150)	5.7
SALTILLO (PST-5SALT)	6.7	BULLSEYE	5.7
TEMPTATION (OR-21)	6.7	CROSSFIRE 4 (IS-TF 310 SEL)	5.7
W41	6.7	IS-TF-287	5.7
WICHITA (PPG-TF-151)	6.7	JS 818	5.7
MEMPHIS (GO-DFR)	6.5	K12-MCD	5.7
AVENGER II (PPG-TF-156)	6.3	KINGDOM (DB1)	5.7
BAR FA 121089	6.3	PPG-TF-138	5.7
FESNOVA	6.3	PSG-TT4	5.7
FIRECRACKER SLS (PPG-TF-105)	6.3	PST-5MVD	5.7
FIREWALL (PSG-WE1)	6.3	REFLECTION (U45)	5.7
HOT ROD (BURL TF-136)	6.3	ROCKWELL (LTP-TWUU)	5.7
IS-TF 308 SEL	6.3	TECHNIQUE (RZ2)	5.7
JS 916	6.3	UNITUS (IS-TF 289)	5.7
MET 1	6.3	FRONTLINE (EXP TF-09)	5.5
ROWDY (SRX-TPC)	6.3	204 RES. BLK4	5.3
TERRANO	6.3	B23	5.3
TRAVERSE 2 SRP (W45)	6.3	BAR FA 120878	5.3
		FAITH	5.3

TABLE 24. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	NC1
JS 825	5.3
PSG-P01	5.3
RAD-TF-89	5.3
REGENERATE	5.3
SCREAMER LS (PPG-TF-148)	5.3
SWAGGER (PST-5R05)	5.3
THUNDERSTRUCK (TD1)	5.3
TURFWAY (IS-TF 282 M2)	5.3
ARES (PPG-TF-142)	5.0
BAR FA 121095	5.0
BLOODHOUND (MET 6 SEL)	5.0
IS-TF 311	5.0
JS 819	5.0
OLYMPUS (RAD-TF-88)	5.0
PSG-GSD	5.0
PST-5DZP	5.0
RAD-TF-92	5.0
REBOUNDER (PICK-W43)	5.0
TEMPLE (DZ1)	5.0
ANNIHILATOR	4.7
INSPIRATION (PST-R5NW)	4.7
NIGHTCRAWLER (IS-TF 285)	4.7
PPG-TF-169	4.7
RAD-TF-83	4.7
COMP. RES. SST	4.3
FALCON V	4.3
HOVER (BURL TF-69)	4.3
IS-TF 272	4.3
WARHAWK	4.3
CATALYST	4.0
FALCON IV	4.0
HEMI	4.0
MARAUDER	4.0
LSD VALUE	1.8
C.V. (%)	19.3

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

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

TABLE 25. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	TN1	MEAN	NAME	NC1	TN1	MEAN
FALCON V	99.0	94.7	96.8	ATF 1754	98.3	94.0	96.2
JS 809	99.0	94.7	96.8	CROSSFIRE 4 (IS-TF 310 SEL)	97.0	95.3	96.2
RAPTOR III (ZW 44)	99.0	94.7	96.8	EMBRACE (PST-5EV2)	98.3	94.0	96.2
VALKYRIE LS (PPG-TF-172)	99.0	94.7	96.8	KINGDOM (DB1)	97.0	95.3	96.2
WICHITA (PPG-TF-151)	99.0	94.7	96.8	PARAMOUNT (PPG-TF-137)	97.0	95.3	96.2
RAD-TF-92	98.3	95.3	96.8	PST-5EX2	99.0	93.3	96.2
TRAVERSE 2 SRP (W45)	97.7	95.7	96.7	204 RES. BLK4	97.7	94.3	96.0
BLACK TAIL (PPG-TF-150)	98.3	95.0	96.7	AVENGER II (PPG-TF-156)	97.7	94.3	96.0
F711	98.3	95.0	96.7	FIRECRACKER SLS (PPG-TF-105)	97.7	94.3	96.0
HOT ROD (BURL TF-136)	98.3	95.0	96.7	HOVER (BURL TF-69)	97.7	94.3	96.0
MET 1	98.3	95.0	96.7	IS-TF 308 SEL	97.7	94.3	96.0
PPG-TF-135	98.3	95.0	96.7	MEMPHIS (GO-DFR)	98.3	93.7	96.0
TECHNIQUE (RZ2)	99.0	94.3	96.7	PSG-TT4	98.3	93.7	96.0
AQUADUCT	98.3	94.7	96.5	REBOUNDER (PICK-W43)	97.7	94.3	96.0
BLOODHOUND (MET 6 SEL)	99.0	94.0	96.5	SALTILLO (PST-5SALT)	98.3	93.7	96.0
CATALYST	99.0	94.0	96.5	SUPERSONIC (PPG-TF-170)	97.0	95.0	96.0
IS-TF-287	99.0	94.0	96.5	THUNDERSTRUCK (TD1)	97.0	95.0	96.0
PST-5BPO	98.3	94.7	96.5	4TH MILLENNIUM SRP (U43)	97.0	94.7	95.8
REGENERATE	98.3	94.7	96.5	FIREBIRD 2	97.7	94.0	95.8
ROCKWELL (LTP-TWUU)	98.3	94.7	96.5	IS-TF 276 M2	97.7	94.0	95.8
AMITY (CCR2)	99.0	93.7	96.3	MERIDIAN (PST-5GRB)	97.7	94.0	95.8
ATF 1612	97.7	95.0	96.3	OLYMPUS (RAD-TF-88)	97.7	94.0	95.8
ATF 1704	99.0	93.7	96.3	PSG-PO1	97.7	94.0	95.8
FESNOVA	97.7	95.0	96.3	PST-5BRK	97.7	94.0	95.8
GTO (BURL TF-2)	99.0	93.7	96.3	RHAMBLER 2 SRP (LSD)	97.0	94.7	95.8
IS-TF 311	97.7	95.0	96.3	PPG-TF-169	98.3	93.3	95.8
THOR (PPG-TF-157)	97.7	95.0	96.3	SWAGGER (PST-5R05)	98.3	93.3	95.8
FIREWALL (PSG-WE1)	98.3	94.3	96.3	CAESAR (TY 10)	97.7	93.7	95.7
K12-MCD	98.3	94.3	96.3	GRANDE 3	97.7	93.7	95.7
RAD-TF-89	98.3	94.3	96.3	REFLECTION (U45)	96.7	94.7	95.7
W41	98.3	94.3	96.3	BAR FA 121091	97.0	94.3	95.7
BIZEM	97.7	94.7	96.2	DYNAMITE LS (PPG-TF-145)	97.0	94.3	95.7
HEMI	97.7	94.7	96.2	FALCON IV	98.3	93.0	95.7
JS 818	97.7	94.7	96.2	IS-TF 272	95.0	96.3	95.7
MAESTRO (T31)	97.7	94.7	96.2	PSG-GSD	97.0	94.3	95.7
MARAUDER	96.7	95.7	96.2	PST-5DZP	97.0	94.3	95.7
MET-3	97.7	94.7	96.2	TEMPTATION (OR-21)	97.0	94.3	95.7
MICHELANGELO (LTP-F5DPDR)	97.7	94.7	96.2	B23	96.3	94.7	95.5
PPG-TF-115	97.7	94.7	96.2	BAR FA 121095	96.7	94.3	95.5
PPG-TF-138	97.7	94.7	96.2	FAITH	97.7	93.3	95.5
SCREAMER LS (PPG-TF-148)	97.7	94.7	96.2	HOUND0G8 (IS-TF 307 SEL)	97.0	94.0	95.5
XTENDER (PPG-TF-139)	97.7	94.7	96.2	RAD-TF-83	96.3	94.7	95.5

TABLE 25. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	TN1	MEAN
REBEL V (ATF 1736)	96.3	94.7	95.5
ROWDY (SRX-TPC)	97.0	94.0	95.5
TITANIUM 2LS (PPG-TF-152)	97.7	93.3	95.5
TURFWAY (IS-TF 282 M2)	96.7	94.3	95.5
COMP. RES. SST	96.7	94.0	95.3
LEONARDO (LTP-FSD)	97.0	93.7	95.3
PST-5MVD	96.7	94.0	95.3
TERRANO	97.0	93.7	95.3
RHIZING MOON (IS-TF 305 SEL)	96.3	94.3	95.3
FAYETTE (IS-TF 291)	95.7	94.7	95.2
JS 916	95.7	94.7	95.2
INSPIRATION (PST-R5NW)	96.3	94.0	95.2
ANNIHILATOR	95.7	94.3	95.0
BAR FA 121089	96.3	93.7	95.0
FOXHOUND (IS-TF 284 M2)	96.3	93.7	95.0
JS 825	97.0	93.0	95.0
NIGHTCRAWLER (IS-TF 285)	94.3	95.7	95.0
RAIN DANCE (PST-5SDT)	97.0	93.0	95.0
TEMPLE (DZ1)	95.7	94.3	95.0
ARES (PPG-TF-142)	94.0	95.7	94.8
BULLSEYE	95.3	94.3	94.8
DIABLO (IS-TF 330)	95.3	94.3	94.8
FRONTLINE (EXP TF-09)	96.3	93.3	94.8
PSG-8BP2	96.3	93.3	94.8
WARHAWK	95.3	94.3	94.8
IS-TF 269 SEL	95.0	94.3	94.7
K12-05	95.3	94.0	94.7
UNITUS (IS-TF 289)	94.7	94.3	94.5
JS 819	93.3	95.0	94.2
BAR FA 120878	97.0	90.7	93.8
K12-13	94.7	93.0	93.8
KY-31	97.7	86.7	92.2
LSD VALUE	3.2	1.2	1.7
C.V. (%)	2.0	0.8	1.5

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

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

TABLE 26. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	TN1	NAME	TN1
BAR FA 121095	96.0	B23	84.7
W41	94.3	BULLSEYE	84.7
BIZEM	93.7	MERIDIAN (PST-5GRB)	84.7
THOR (PPG-TF-157)	93.7	MET-3	84.7
RAD-TF-89	92.3	SALTILLO (PST-5SALT)	84.7
REGENERATE	92.0	IS-TF 269 SEL	84.3
FALCON IV	91.7	BAR FA 121089	84.0
PPG-TF-135	91.3	JS 825	84.0
PSG-TT4	91.3	KINGDOM (DB1)	84.0
BLACK TAIL (PPG-TF-150)	90.3	PARAMOUNT (PPG-TF-137)	84.0
HOVER (BURL TF-69)	90.3	4TH MILLENNIUM SRP (U43)	83.7
BAR FA 120878	90.0	REFLECTION (U45)	83.3
ARES (PPG-TF-142)	89.7	BLOODHOUND (MET 6 SEL)	83.0
BAR FA 121091	89.7	PPG-TF-115	82.7
PST-5MVD	89.7	RHAMBLER 2 SRP (LSD)	82.7
TERRANO	89.7	AVENGER II (PPG-TF-156)	82.3
IS-TF 311	89.3	TEMPLE (DZ1)	82.3
PPG-TF-138	89.3	CROSSFIRE 4 (IS-TF 310 SEL)	81.7
DYNAMITE LS (PPG-TF-145)	89.0	GTO (BURL TF-2)	81.7
F711	89.0	RAIN DANCE (PST-5SDT)	81.7
AMITY (CCR2)	88.7	SWAGGER (PST-5R05)	81.7
FALCON V	88.0	TRAVERSE 2 SRP (W45)	81.7
FESNOVA	88.0	DIABLO (IS-TF 330)	81.3
CAESAR (TY 10)	87.7	TURFWAY (IS-TF 282 M2)	81.0
K12-MCD	87.7	K12-13	80.7
XTENDER (PPG-TF-139)	87.7	FRONTLINE (EXP TF-09)	80.3
INSPIRATION (PST-R5NW)	87.3	IS-TF 308 SEL	80.3
K12-05	87.3	PSG-GSD	80.3
RAD-TF-92	87.3	PST-5BP0	80.3
KY-31	86.3	PST-5EX2	80.0
SUPERSONIC (PPG-TF-170)	86.3	RAD-TF-83	80.0
FAITH	86.0	IS-TF-287	79.7
NIGHTCRAWLER (IS-TF 285)	86.0	TEMPTATION (OR-21)	79.7
FIRECRACKER SLS (PPG-TF-105)	85.7	ATF 1704	79.3
SCREAMER LS (PPG-TF-148)	85.7	MAESTRO (T31)	79.3
TECHNIQUE (RZ2)	85.7	204 RES. BLK4	78.3
FAYETTE (IS-TF 291)	85.3	FOXHOUND (IS-TF 284 M2)	78.0
OLYMPUS (RAD-TF-88)	85.3	ROWDY (SRX-TPC)	78.0
PST-5DZP	85.3	JS 818	77.7
RAPTOR III (ZW 44)	85.3	HOUNDOG8 (IS-TF 307 SEL)	77.3
TITANIUM 2LS (PPG-TF-152)	85.3	MEMPHIS (GO-DFR)	77.0
THUNDERSTRUCK (TD1)	85.0	UNITUS (IS-TF 289)	77.0

TABLE 26. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	TN1
WICHITA (PPG-TF-151)	76.7
LEONARDO (LTP-FSD)	76.3
REBEL V (ATF 1736)	75.7
EMBRACE (PST-5EV2)	74.7
HOT ROD (BURL TF-136)	74.7
JS 916	74.7
IS-TF 276 M2	74.3
ATF 1612	74.0
JS 809	74.0
PST-5BRK	74.0
AQUADUCT	73.7
IS-TF 272	73.7
REBOUNDER (PICK-W43)	73.7
ANNIHILATOR	73.0
CATALYST	73.0
JS 819	71.7
PPG-TF-169	71.7
FIREWALL (PSG-WE1)	70.7
MET 1	70.7
RHIZING MOON (IS-TF 305 SEL)	69.0
MICHELANGELO (LTP-F5DPDR)	68.3
MARAUDER	68.0
PSG-PO1	67.7
GRANDE 3	67.3
HEMI	65.0
ROCKWELL (LTP-TWUU)	64.3
VALKYRIE LS (PPG-TF-172)	63.3
FIREBIRD 2	62.7
WARHAWK	62.0
ATF 1754	59.3
PSG-8BP2	57.7
COMP. RES. SST	55.7
LSD VALUE	22.7
C.V. (%)	17.5

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

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

TABLE 27.

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

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NC1	TN1	MEAN	NAME	NC1	TN1	MEAN
BIZEM	99.0	96.0	97.5	RAIN DANCE (PST-5SDT)	98.3	94.7	96.5
GRANDE 3	97.7	97.3	97.5	ROCKWELL (LTP-TWUU)	97.0	96.0	96.5
MERIDIAN (PST-5GRB)	99.0	96.0	97.5	ROWDY (SRX-TPC)	98.3	94.7	96.5
MICHELANGELO (LTP-F5DPDR)	98.3	96.7	97.5	FIREWALL (PSG-WE1)	97.0	95.7	96.3
PST-5EX2	99.0	96.0	97.5	FRONTLINE (EXP TF-09)	97.0	95.7	96.3
RHIZING MOON (IS-TF 305 SEL)	98.3	96.7	97.5	PSG-8BP2	97.0	95.7	96.3
SALTILLO (PST-5SALT)	99.0	95.7	97.3	SWAGGER (PST-5R05)	97.0	95.7	96.3
EMBRACE (PST-5EV2)	98.3	96.3	97.3	K12-13	97.7	94.7	96.2
4TH MILLENNIUM SRP (U43)	97.7	96.7	97.2	K12-MCD	97.7	94.7	96.2
DIABLO (IS-TF 330)	98.3	96.0	97.2	FAYETTE (IS-TF 291)	97.0	95.3	96.2
F711	98.3	96.0	97.2	IS-TF-287	97.0	95.3	96.2
IS-TF 276 M2	99.0	95.3	97.2	PST-5MVD	97.0	95.3	96.2
LEONARDO (LTP-FSD)	99.0	95.3	97.2	TEMPTATION (OR-21)	97.0	95.3	96.2
PST-5BRK	98.3	96.0	97.2	TITANIUM 2LS (PPG-TF-152)	96.3	96.0	96.2
RAPTOR III (ZW 44)	99.0	95.3	97.2	W41	97.0	95.3	96.2
SUPERSONIC (PPG-TF-170)	98.3	96.0	97.2	BAR FA 121091	96.3	95.7	96.0
FIREBIRD 2	97.7	96.3	97.0	IS-TF 311	97.0	95.0	96.0
GTO (BURL TF-2)	97.7	96.3	97.0	PPG-TF-135	98.3	93.7	96.0
HOUNDOG8 (IS-TF 307 SEL)	99.0	95.0	97.0	TERRANO	96.3	95.7	96.0
IS-TF 269 SEL	99.0	95.0	97.0	WICHITA (PPG-TF-151)	97.7	94.3	96.0
IS-TF 308 SEL	98.3	95.7	97.0	ATF 1704	97.0	94.7	95.8
PARAMOUNT (PPG-TF-137)	98.3	95.7	97.0	ATF 1754	97.7	94.0	95.8
PPG-TF-115	98.3	95.7	97.0	BULLSEYE	95.7	96.0	95.8
PST-5BPO	99.0	95.0	97.0	JS 818	95.7	96.0	95.8
FIRECRACKER SLS (PPG-TF-105)	97.7	96.0	96.8	MAESTRO (T31)	97.7	94.0	95.8
MEMPHIS (GO-DFR)	99.0	94.7	96.8	BLOODHOUND (MET 6 SEL)	95.7	95.7	95.7
REBEL V (ATF 1736)	97.7	96.0	96.8	JS 825	95.7	95.7	95.7
THOR (PPG-TF-157)	99.0	94.7	96.8	TEMPLE (DZ1)	95.7	95.7	95.7
AVENGER II (PPG-TF-156)	98.3	95.3	96.8	B23	96.0	95.3	95.7
BAR FA 121089	98.3	95.3	96.8	BAR FA 120878	96.3	95.0	95.7
TRAVERSE 2 SRP (W45)	98.3	95.3	96.8	ATF 1612	96.0	95.0	95.5
AQUADUCT	97.7	95.7	96.7	BLACK TAIL (PPG-TF-150)	96.0	95.0	95.5
FESNOVA	97.7	95.7	96.7	JS 809	96.3	94.7	95.5
MET-3	97.7	95.7	96.7	PPG-TF-138	96.3	94.7	95.5
VALKYRIE LS (PPG-TF-172)	97.7	95.7	96.7	SCREAMER LS (PPG-TF-148)	95.7	95.3	95.5
CAESAR (TY 10)	98.3	95.0	96.7	THUNDERSTRUCK (TD1)	95.7	95.3	95.5
DYNAMITE LS (PPG-TF-145)	98.0	95.3	96.7	TURFWAY (IS-TF 282 M2)	96.3	94.7	95.5
JS 916	97.0	96.3	96.7	INSPIRATION (PST-R5NW)	95.7	95.0	95.3
RHAMBLER 2 SRP (LSD)	97.0	96.3	96.7	JS 819	95.0	95.7	95.3
FOXHOUND (IS-TF 284 M2)	97.0	96.0	96.5	PSG-TT4	94.7	96.0	95.3
HOT ROD (BURL TF-136)	97.0	96.0	96.5	TECHNIQUE (RZ2)	97.0	93.7	95.3
MET 1	97.0	96.0	96.5	CROSSFIRE 4 (IS-TF 310 SEL)	96.3	94.3	95.3

TABLE 27. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NC1	TN1	MEAN
PSG-PO1	96.3	94.3	95.3
FAITH	94.7	95.7	95.2
RAD-TF-83	95.0	95.3	95.2
XTENDER (PPG-TF-139)	95.3	95.0	95.2
OLYMPUS (RAD-TF-88)	95.7	94.3	95.0
204 RES. BLK4	94.0	95.7	94.8
ARES (PPG-TF-142)	95.7	94.0	94.8
REGENERATE	94.7	95.0	94.8
AMITY (CCR2)	96.3	93.3	94.8
K12-05	97.0	92.3	94.7
PSG-GSD	94.0	95.3	94.7
COMP. RES. SST	92.7	96.3	94.5
REBOUNDER (PICK-W43)	95.0	94.0	94.5
RAD-TF-92	93.5	95.3	94.4
UNITUS (IS-TF 289)	94.0	94.7	94.3
IS-TF 272	93.3	95.3	94.3
KINGDOM (DB1)	95.3	93.3	94.3
KY-31	97.0	91.3	94.2
NIGHTCRAWLER (IS-TF 285)	93.3	95.0	94.2
BAR FA 121095	92.3	95.3	93.8
WARHAWK	92.3	95.0	93.7
CATALYST	91.5	95.7	93.6
PST-5DZP	92.3	94.3	93.3
RAD-TF-89	94.7	91.7	93.2
FALCON V	91.7	92.7	92.2
HOVER (BURL TF-69)	91.0	93.0	92.0
MARAUDER	87.7	95.7	91.7
ANNIHILATOR	88.3	95.0	91.7
REFLECTION (U45)	86.0	96.7	91.3
HEMI	81.0	94.7	87.8
PPG-TF-169	79.7	94.7	87.2
FALCON IV	77.7	95.0	86.3
LSD VALUE	9.0	2.4	4.6
C.V. (%)	5.8	1.6	4.2

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 28.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MS1	NC1	MEAN	NAME	MS1	NC1	MEAN
VALKYRIE LS (PPG-TF-172)	5.7	7.7	6.7	FALCON IV	6.0	6.0	6.0
F711	6.0	7.0	6.5	FAYETTE (IS-TF 291)	6.0	6.0	6.0
MET 1	6.0	7.0	6.5	FOXHOUND (IS-TF 284 M2)	6.0	6.0	6.0
REGENERATE	6.0	7.0	6.5	GRANDE 3	5.7	6.3	6.0
THOR (PPG-TF-157)	6.0	7.0	6.5	IS-TF 269 SEL	5.7	6.3	6.0
BLOODHOUND (MET 6 SEL)	6.0	6.7	6.3	IS-TF 311	6.0	6.0	6.0
FESNOVA	6.0	6.7	6.3	JS 809	5.7	6.3	6.0
FIREBIRD 2	6.0	6.7	6.3	K12-05	6.0	6.0	6.0
GTO (BURL TF-2)	6.0	6.7	6.3	K12-MCD	6.0	6.0	6.0
HEMI	6.0	6.7	6.3	KINGDOM (DB1)	6.0	6.0	6.0
MAESTRO (T31)	6.0	6.7	6.3	LEONARDO (LTP-FSD)	6.0	6.0	6.0
MICHELANGELO (LTP-F5DPDR)	6.0	6.7	6.3	PPG-TF-138	6.0	6.0	6.0
PPG-TF-169	6.0	6.7	6.3	PSG-P01	6.0	6.0	6.0
PST-5EX2	5.7	7.0	6.3	RAIN DANCE (PST-5SDT)	5.7	6.3	6.0
RAPTOR III (ZW 44)	6.0	6.7	6.3	REFLECTION (U45)	6.0	6.0	6.0
SCREAMER LS (PPG-TF-148)	6.0	6.7	6.3	ROCKWELL (LTP-TWUU)	6.0	6.0	6.0
TITANIUM 2LS (PPG-TF-152)	6.0	6.7	6.3	ROWDY (SRX-TPC)	6.0	6.0	6.0
TRAVERSE 2 SRP (W45)	6.0	6.7	6.3	XTENDER (PPG-TF-139)	5.7	6.3	6.0
ATF 1704	5.7	6.7	6.2	204 RES. BLK4	5.7	6.0	5.8
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	6.7	6.2	ATF 1612	6.0	5.7	5.8
PARAMOUNT (PPG-TF-137)	5.7	6.7	6.2	BAR FA 121095	5.7	6.0	5.8
4TH MILLENNIUM SRP (U43)	6.0	6.3	6.2	BLACK TAIL (PPG-TF-150)	6.0	5.7	5.8
AMITY (CCR2)	6.0	6.3	6.2	DYNAMITE LS (PPG-TF-145)	5.7	6.0	5.8
ATF 1754	6.0	6.3	6.2	EMBRACE (PST-5EV2)	6.0	5.7	5.8
FAITH	6.3	6.0	6.2	FIRECRACKER SLS (PPG-TF-105)	5.7	6.0	5.8
FALCON V	6.0	6.3	6.2	FRONTLINE (EXP TF-09)	6.0	5.7	5.8
FIREWALL (PSG-WE1)	6.0	6.3	6.2	HOVER (BURL TF-69)	5.7	6.0	5.8
JS 916	6.0	6.3	6.2	IS-TF 272	6.0	5.7	5.8
MET-3	6.3	6.0	6.2	IS-TF 276 M2	6.0	5.7	5.8
REBOUNDER (PICK-W43)	6.0	6.3	6.2	JS 819	5.7	6.0	5.8
RHIZING MOON (IS-TF 305 SEL)	6.0	6.3	6.2	MERIDIAN (PST-5GRB)	5.7	6.0	5.8
TECHNIQUE (RZ2)	6.0	6.3	6.2	NIGHTCRAWLER (IS-TF 285)	6.0	5.7	5.8
TEMPLE (DZ1)	6.0	6.3	6.2	PPG-TF-115	6.0	5.7	5.8
TERRANO	6.0	6.3	6.2	PPG-TF-135	5.7	6.0	5.8
W41	6.0	6.3	6.2	PSG-GSD	6.0	5.7	5.8
WICHITA (PPG-TF-151)	6.0	6.3	6.2	PSG-TT4	6.0	5.7	5.8
AVENGER II (PPG-TF-156)	6.0	6.0	6.0	PST-5BRK	5.7	6.0	5.8
BULLSEYE	6.0	6.0	6.0	REBEL V (ATF 1736)	5.7	6.0	5.8
CAESAR (TY 10)	6.0	6.0	6.0	SUPERSONIC (PPG-TF-170)	6.0	5.7	5.8
CATALYST	6.0	6.0	6.0	THUNDERSTRUCK (TD1)	6.0	5.7	5.8
DIABLO (IS-TF 330)	6.0	6.0	6.0	TURFWAY (IS-TF 282 M2)	5.3	6.3	5.8
				BIZEM	5.7	5.7	5.7

TABLE 28. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	MS1	NC1	MEAN
INSPIRATION (PST-R5NW)	5.7	5.7	5.7
K12-13	5.7	5.7	5.7
MEMPHIS (GO-DFR)	5.7	5.7	5.7
RHAMBLER 2 SRP (LSD)	5.7	5.7	5.7
TEMPTATION (OR-21)	5.7	5.7	5.7
UNITUS (IS-TF 289)	5.7	5.7	5.7
B23	6.0	5.3	5.7
HOUNDOG8 (IS-TF 307 SEL)	6.0	5.3	5.7
IS-TF 308 SEL	5.3	6.0	5.7
MARAUDER	6.0	5.3	5.7
PSG-8BP2	6.0	5.3	5.7
PST-5BP0	5.3	6.0	5.7
PST-5MVD	5.3	6.0	5.7
RAD-TF-92	5.3	6.0	5.7
AQUADUCT	5.0	6.0	5.5
ARES (PPG-TF-142)	6.0	5.0	5.5
BAR FA 120878	5.0	6.0	5.5
BAR FA 121091	5.0	6.0	5.5
COMP. RES. SST	5.7	5.3	5.5
HOT ROD (BURL TF-136)	5.3	5.7	5.5
IS-TF-287	5.3	5.7	5.5
JS 825	5.0	6.0	5.5
OLYMPUS (RAD-TF-88)	5.3	5.7	5.5
PST-5DZP	5.7	5.3	5.5
RAD-TF-83	5.0	6.0	5.5
SWAGGER (PST-5R05)	5.3	5.7	5.5
SALTILLO (PST-5SALT)	5.0	5.7	5.3
WARHAWK	5.7	5.0	5.3
ANNIHILATOR	5.3	5.3	5.3
BAR FA 121089	5.3	5.3	5.3
JS 818	5.3	5.3	5.3
KY-31	4.7	5.7	5.2
RAD-TF-89	5.0	5.3	5.2
LSD VALUE	0.6	1.0	0.6
C.V. (%)	6.6	10.0	8.5

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

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

TABLE 29.

RED THREAD RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	M01	NAME	M01
KY-31	8.0	DYNAMITE LS (PPG-TF-145)	5.3
MET-3	7.3	F711	5.3
BAR FA 121091	7.0	FIREWALL (PSG-WE1)	5.3
FALCON IV	7.0	GTO (BURL TF-2)	5.3
ANNIHILATOR	6.7	HEMI	5.3
BAR FA 120878	6.7	HOUNDOG8 (IS-TF 307 SEL)	5.3
FAITH	6.7	JS 916	5.3
JS 825	6.7	K12-MCD	5.3
LEONARDO (LTP-FSD)	6.7	MET 1	5.3
RHIZING MOON (IS-TF 305 SEL)	6.7	MICHELANGELO (LTP-F5DPDR)	5.3
4TH MILLENNIUM SRP (U43)	6.3	PPG-TF-135	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	REBOUNDER (PICK-W43)	5.3
FIRECRACKER SLS (PPG-TF-105)	6.3	ROWDY (SRX-TPC)	5.3
PPG-TF-169	6.3	TECHNIQUE (RZ2)	5.3
PST-5BP0	6.3	WICHITA (PPG-TF-151)	5.3
PST-5EX2	6.3	BIZEM	5.0
PST-5MVD	6.3	FESNOVA	5.0
TRAVERSE 2 SRP (W45)	6.3	FOXHOUND (IS-TF 284 M2)	5.0
ATF 1704	6.0	IS-TF 276 M2	5.0
EMBRACE (PST-5EV2)	6.0	MEMPHIS (GO-DFR)	5.0
JS 819	6.0	REBEL V (ATF 1736)	5.0
NIGHTCRAWLER (IS-TF 285)	6.0	RHAMBLER 2 SRP (LSD)	5.0
PARAMOUNT (PPG-TF-137)	6.0	SALTILLO (PST-5SALT)	5.0
PSG-PO1	6.0	SCREAMER LS (PPG-TF-148)	5.0
PST-5BRK	6.0	SUPERSONIC (PPG-TF-170)	5.0
RAD-TF-89	6.0	W41	5.0
TEMPTATION (OR-21)	6.0	WARHAWK	5.0
TITANIUM 2LS (PPG-TF-152)	6.0	XTENDER (PPG-TF-139)	5.0
TURFWAY (IS-TF 282 M2)	6.0	ATF 1754	4.7
VALKYRIE LS (PPG-TF-172)	6.0	AVENGER II (PPG-TF-156)	4.7
DIABLO (IS-TF 330)	5.7	BAR FA 121095	4.7
HOT ROD (BURL TF-136)	5.7	FIREBIRD 2	4.7
IS-TF 269 SEL	5.7	GRANDE 3	4.7
IS-TF 308 SEL	5.7	INSPIRATION (PST-R5NW)	4.7
IS-TF 311	5.7	IS-TF 272	4.7
MAESTRO (T31)	5.7	K12-13	4.7
MERIDIAN (PST-5GRB)	5.7	PSG-GSD	4.7
RAIN DANCE (PST-5SDT)	5.7	PSG-TT4	4.7
SWAGGER (PST-5R05)	5.7	REFLECTION (U45)	4.7
THOR (PPG-TF-157)	5.7	AMITY (CCR2)	4.3
B23	5.3	AQUADUCT	4.3
ARES (PPG-TF-142)	4.3		

TABLE 29. RED THREAD RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	M01
BULLSEYE	4.3
CATALYST	4.3
FAYETTE (IS-TF 291)	4.3
IS-TF-287	4.3
JS 818	4.3
K12-05	4.3
PPG-TF-115	4.3
UNITUS (IS-TF 289)	4.3
BAR FA 121089	4.0
BLOODHOUND (MET 6 SEL)	4.0
CAESAR (TY 10)	4.0
PSG-8BP2	4.0
PST-5DZP	4.0
RAD-TF-92	4.0
TERRANO	4.0
ATF 1612	3.7
FALCON V	3.7
FRONTLINE (EXP TF-09)	3.7
JS 809	3.7
BLACK TAIL (PPG-TF-150)	3.3
COMP. RES. SST	3.3
KINGDOM (DB1)	3.3
MARAUDER	3.3
RAD-TF-83	3.3
RAPTOR III (ZW 44)	3.3
THUNDERSTRUCK (TD1)	3.3
HOVER (BURL TF-69)	3.0
OLYMPUS (RAD-TF-88)	3.0
PPG-TF-138	3.0
ROCKWELL (LTP-TWUU)	3.0
TEMPLE (DZ1)	3.0
204 RES. BLK4	2.7
REGENERATE	2.3
LSD VALUE	3.0
C.V. (%)	37.0

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 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	CT1	IN1	KY1	MD1	NC1	NJ2	MEAN
BLOODHOUND (MET 6 SEL)	9.0	7.7	7.7	9.0	6.7	6.3	7.7
AMITY (CCR2)	9.0	7.3	8.0	8.7	6.3	6.3	7.6
ROCKWELL (LTP-TWUU)	9.0	7.7	8.0	8.7	5.7	6.7	7.6
ROWDY (SRX-TPC)	9.0	8.0	7.3	7.7	6.7	7.0	7.6
AVENGER II (PPG-TF-156)	9.0	7.7	8.0	8.0	5.7	7.0	7.6
TITANIUM 2LS (PPG-TF-152)	8.3	7.7	7.7	8.0	6.3	7.3	7.6
GTO (BURL TF-2)	9.0	8.7	7.7	8.3	6.3	5.0	7.5
VALKYRIE LS (PPG-TF-172)	9.0	7.7	7.7	8.3	6.7	5.7	7.5
PST-5EX2	8.7	7.7	7.7	8.0	6.7	6.0	7.4
IS-TF 308 SEL	9.0	7.3	7.3	8.3	6.7	5.3	7.3
IS-TF 311	8.7	7.7	8.0	7.3	7.0	5.3	7.3
REGENERATE	8.7	7.3	7.3	8.0	7.0	5.7	7.3
TECHNIQUE (RZ2)	9.0	6.3	7.0	8.0	6.0	7.7	7.3
MICHELANGELO (LTP-F5DPDR)	7.7	8.0	7.3	7.7	6.7	6.3	7.3
PARAMOUNT (PPG-TF-137)	8.7	7.3	7.7	7.7	5.7	6.7	7.3
F711	8.7	7.7	6.7	8.3	7.0	5.0	7.2
SCREAMER LS (PPG-TF-148)	8.3	7.3	6.7	8.3	6.0	6.7	7.2
HEMI	8.7	6.7	7.7	7.3	7.0	6.0	7.2
4TH MILLENNIUM SRP (U43)	9.0	7.7	7.3	7.7	5.3	6.0	7.2
B23	9.0	7.0	7.0	7.7	6.3	6.0	7.2
BLACK TAIL (PPG-TF-150)	8.0	7.3	7.7	8.0	6.3	5.7	7.2
REBOUNDER (PICK-W43)	9.0	7.3	7.7	7.7	5.7	5.7	7.2
REFLECTION (U45)	9.0	7.0	7.3	8.7	6.0	5.0	7.2
WICHITA (PPG-TF-151)	8.7	7.7	6.7	8.0	6.0	6.0	7.2
TEMPLE (DZ1)	8.3	7.7	8.0	7.3	6.0	5.7	7.2
HOT ROD (BURL TF-136)	8.0	8.3	8.0	7.7	5.3	5.3	7.1
MAESTRO (T31)	9.0	7.0	6.7	8.0	6.0	6.0	7.1
FIREBIRD 2	8.0	6.7	8.3	7.7	6.3	5.7	7.1
MET-3	8.7	7.0	7.7	7.0	6.0	6.3	7.1
PST-5BRK	9.0	7.0	7.3	8.0	6.0	5.3	7.1
RAPTOR III (ZW 44)	8.0	7.0	7.3	8.0	6.0	6.3	7.1
TRAVERSE 2 SRP (W45)	8.7	8.0	7.7	8.0	5.7	4.7	7.1
BIZEM	8.3	7.7	7.3	8.0	5.7	5.3	7.1
EMBRACE (PST-5EV2)	8.0	7.7	7.7	8.0	6.7	4.3	7.1
MET 1	8.0	7.7	7.0	7.7	6.3	5.7	7.1
SUPERSONIC (PPG-TF-170)	9.0	7.7	7.7	8.0	4.3	5.7	7.1
IS-TF 269 SEL	8.0	7.7	8.0	7.3	5.7	5.7	7.1
PPG-TF-135	9.0	7.0	7.3	6.7	5.7	6.7	7.1
XTENDER (PPG-TF-139)	7.0	8.0	7.3	7.3	7.0	5.7	7.1
ATF 1612	7.3	7.0	7.7	8.0	6.3	5.7	7.0
FALCON V	9.0	7.7	6.3	7.3	6.3	5.3	7.0

TABLE 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	CT1	IN1	KY1	MD1	NC1	NJ2	MEAN
PST-5MVD	8.7	7.7	6.7	7.0	6.3	5.7	7.0
THOR (PPG-TF-157)	7.3	6.3	8.3	7.7	6.7	5.7	7.0
DIABLO (IS-TF 330)	8.7	7.3	7.3	8.0	4.7	5.7	6.9
FIREWALL (PSG-WE1)	8.3	7.7	7.3	8.0	5.0	5.3	6.9
LEONARDO (LTP-FSD)	8.7	7.0	6.7	8.0	5.7	5.7	6.9
SALTILLO (PST-5SALT)	8.7	6.7	7.3	7.7	5.3	6.0	6.9
W41	8.0	7.0	8.3	7.3	5.3	5.7	6.9
ATF 1704	8.3	7.0	7.0	7.7	5.3	6.0	6.9
JS 916	8.3	7.7	7.0	8.0	5.0	5.3	6.9
PPG-TF-138	8.7	7.3	8.3	5.7	5.7	5.7	6.9
PSG-GSD	8.7	7.0	7.3	7.7	5.0	5.7	6.9
ATF 1754	9.0	7.0	7.3	7.0	6.0	5.0	6.9
FIRECRACKER SLS (PPG-TF-105)	9.0	7.3	6.7	7.3	5.3	5.7	6.9
CATALYST	9.0	7.7	6.7	7.3	5.3	5.0	6.8
PST-5BP0	8.7	7.3	7.3	7.7	5.0	5.0	6.8
PSG-PO1	8.3	6.3	7.3	7.3	6.0	5.7	6.8
RHAMBLER 2 SRP (LSD)	9.0	7.7	6.0	7.3	5.3	5.3	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	8.7	7.3	6.7	7.3	6.0	4.7	6.8
FAITH	8.3	7.7	7.0	7.3	5.0	5.3	6.8
FAYETTE (IS-TF 291)	8.7	8.0	6.0	7.7	5.0	5.3	6.8
PPG-TF-115	8.3	7.3	7.3	7.3	4.3	6.0	6.8
RHIZING MOON (IS-TF 305 SEL)	7.3	7.7	7.3	7.0	5.7	5.7	6.8
BULLSEYE	8.0	7.7	7.7	7.7	5.3	4.0	6.7
HOUNDOG8 (IS-TF 307 SEL)	7.3	7.7	7.7	6.7	5.3	5.7	6.7
TERRANO	8.7	7.3	5.7	7.7	5.3	5.7	6.7
UNITUS (IS-TF 289)	9.0	7.7	7.3	6.0	5.3	5.0	6.7
HOVER (BURL TF-69)	7.0	6.3	7.7	7.0	6.0	6.0	6.7
NIGHTCRAWLER (IS-TF 285)	8.0	8.0	6.0	7.7	5.3	5.0	6.7
RAD-TF-89	7.7	7.0	7.0	6.3	5.3	6.3	6.6
FOXHOUND (IS-TF 284 M2)	8.7	7.0	7.0	6.7	5.3	5.0	6.6
REBEL V (ATF 1736)	8.3	7.7	7.3	7.0	4.3	5.0	6.6
TURFWAY (IS-TF 282 M2)	7.0	7.0	8.3	7.3	5.3	4.7	6.6
GRANDE 3	9.0	7.3	7.0	7.0	4.7	4.3	6.6
KY-31	7.7	7.0	8.0	7.7	4.7	4.3	6.6
SWAGGER (PST-5R05)	7.3	7.0	6.0	8.3	6.3	4.3	6.6
IS-TF-287	7.7	6.0	7.0	6.7	6.7	4.7	6.4
PSG-TT4	8.0	7.0	7.0	7.0	5.0	4.7	6.4
CAESAR (TY 10)	7.3	6.3	6.3	7.7	5.7	5.0	6.4
FALCON IV	7.0	6.7	6.3	8.0	5.3	5.0	6.4
PPG-TF-169	6.7	6.7	8.3	5.3	6.7	4.3	6.3
K12-MCD	8.7	6.7	6.0	5.7	5.3	5.3	6.3
RAD-TF-83	8.0	6.0	7.0	6.7	4.7	5.3	6.3

TABLE 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	CT1	IN1	KY1	MD1	NC1	NJ2	MEAN
FESNOVA	8.3	6.7	7.0	6.3	5.3	4.0	6.3
BAR FA 120878	7.0	6.7	7.0	8.0	5.3	3.3	6.2
BAR FA 121089	6.7	6.7	6.7	7.7	5.0	4.7	6.2
IS-TF 272	7.3	6.7	7.0	7.0	5.3	4.0	6.2
DYNAMITE LS (PPG-TF-145)	8.0	7.7	6.3	5.3	5.3	4.3	6.2
ARES (PPG-TF-142)	7.0	6.7	6.3	5.7	5.7	5.3	6.1
JS 818	6.0	6.7	7.0	7.3	4.7	5.0	6.1
OLYMPUS (RAD-TF-88)	6.3	7.0	7.7	6.3	5.0	4.3	6.1
PSG-8BP2	8.7	6.3	6.0	7.3	4.3	4.0	6.1
TEMPTATION (OR-21)	7.0	6.3	7.0	6.3	4.7	4.7	6.0
IS-TF 276 M2	5.3	6.0	7.0	7.3	5.0	5.0	5.9
MERIDIAN (PST-5GRB)	8.3	4.7	7.0	5.7	5.3	4.7	5.9
RAD-TF-92	6.0	5.7	6.7	5.7	6.0	5.3	5.9
RAIN DANCE (PST-5SDT)	7.0	7.0	6.7	6.7	5.3	2.7	5.9
INSPIRATION (PST-R5NW)	7.3	5.7	6.3	7.0	5.0	4.0	5.9
MEMPHIS (GO-DFR)	6.0	7.0	6.0	6.3	5.3	4.3	5.8
JS 819	6.3	6.3	6.3	6.7	4.7	4.3	5.8
PST-5DZP	6.0	7.3	5.7	7.0	4.3	4.0	5.7
AQUADUCT	6.7	6.3	5.3	7.0	5.7	3.0	5.7
THUNDERSTRUCK (TD1)	5.0	6.3	7.0	6.7	3.7	5.0	5.6
BAR FA 121095	5.0	7.0	6.3	6.0	4.7	4.3	5.6
KINGDOM (DB1)	4.7	7.0	8.0	5.7	4.7	3.3	5.6
BAR FA 121091	5.0	7.3	6.0	6.0	4.3	3.3	5.3
FRONTLINE (EXP TF-09)	5.0	7.0	7.0	5.7	3.7	3.7	5.3
JS 825	5.7	6.3	5.7	7.0	4.0	3.3	5.3
K12-05	5.0	8.0	5.7	4.3	4.3	4.7	5.3
JS 809	5.7	6.0	6.0	5.0	5.7	3.3	5.3
K12-13	4.7	6.0	6.0	3.7	4.3	2.3	4.5
ANNIHILATOR	6.3	5.7	5.7	3.7	2.7	1.7	4.3
COMP. RES. SST	5.3	4.7	6.3	4.0	3.3	2.0	4.3
WARHAWK	5.7	5.0	5.3	2.7	4.0	2.3	4.2
MARAUDER	5.7	4.3	5.3	2.7	4.0	2.0	4.0
204 RES. BLK4	6.3	3.3	5.3	3.3	3.7	1.0	3.8
LSD VALUE	1.7	1.3	1.5	1.7	1.8	1.9	0.7
C.V. (%)	13.5	11.9	13.2	14.8	20.7	23.2	15.7

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

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

TABLE 31. BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	TN1	NAME	TN1
BAR FA 121095	9.0	AVENGER II (PPG-TF-156)	8.3
BIZEM	9.0	B23	8.3
F711	9.0	BAR FA 120878	8.3
IS-TF 311	9.0	BULLSEYE	8.3
PPG-TF-135	9.0	CROSSFIRE 4 (IS-TF 310 SEL)	8.3
PPG-TF-138	9.0	DIABLO (IS-TF 330)	8.3
PSG-TT4	9.0	FAYETTE (IS-TF 291)	8.3
PST-5MVD	9.0	FIRECRACKER SLS (PPG-TF-105)	8.3
RAD-TF-89	9.0	GTO (BURL TF-2)	8.3
RAD-TF-92	9.0	INSPIRATION (PST-R5NW)	8.3
REFLECTION (U45)	9.0	IS-TF 269 SEL	8.3
REGENERATE	9.0	IS-TF 272	8.3
THOR (PPG-TF-157)	9.0	IS-TF-287	8.3
W41	9.0	JS 825	8.3
4TH MILLENNIUM SRP (U43)	8.7	K12-MCD	8.3
AMITY (CCR2)	8.7	KY-31	8.3
ARES (PPG-TF-142)	8.7	MET-3	8.3
BAR FA 121091	8.7	NIGHTCRAWLER (IS-TF 285)	8.3
BLACK TAIL (PPG-TF-150)	8.7	PST-5DZP	8.3
BLOODHOUND (MET 6 SEL)	8.7	RAIN DANCE (PST-5SDT)	8.3
CAESAR (TY 10)	8.7	RAPTOR III (ZW 44)	8.3
DYNAMITE LS (PPG-TF-145)	8.7	RHAMBLER 2 SRP (LSD)	8.3
FAITH	8.7	SALTILLO (PST-5SALT)	8.3
FALCON IV	8.7	TECHNIQUE (RZ2)	8.3
FALCON V	8.7	TRAVERSE 2 SRP (W45)	8.3
FESNOVA	8.7	XTENDER (PPG-TF-139)	8.3
HOVER (BURL TF-69)	8.7	204 RES. BLK4	8.0
K12-05	8.7	ATF 1612	8.0
KINGDOM (DB1)	8.7	BAR FA 121089	8.0
MERIDIAN (PST-5GRB)	8.7	FOXHOUND (IS-TF 284 M2)	8.0
OLYMPUS (RAD-TF-88)	8.7	HOUNDOG8 (IS-TF 307 SEL)	8.0
PARAMOUNT (PPG-TF-137)	8.7	IS-TF 308 SEL	8.0
PPG-TF-115	8.7	K12-13	8.0
PST-5BP0	8.7	MAESTRO (T31)	8.0
RAD-TF-83	8.7	MEMPHIS (GO-DFR)	8.0
SCREAMER LS (PPG-TF-148)	8.7	PST-5BRK	8.0
SUPERSONIC (PPG-TF-170)	8.7	PST-5EX2	8.0
TERRANO	8.7	REBEL V (ATF 1736)	8.0
THUNDERSTRUCK (TD1)	8.7	ROWDY (SRX-TPC)	8.0
TITANIUM 2LS (PPG-TF-152)	8.7	SWAGGER (PST-5R05)	8.0
ATF 1704	8.3	TEMPLE (DZ1)	8.0
TEMPTATION (OR-21)	8.0		

TABLE 31. BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	TN1
TURFWAY (IS-TF 282 M2)	8.0
UNITUS (IS-TF 289)	8.0
AQUADUCT	7.7
CATALYST	7.7
EMBRACE (PST-5EV2)	7.7
FRONTLINE (EXP TF-09)	7.7
HOT ROD (BURL TF-136)	7.7
IS-TF 276 M2	7.7
JS 809	7.7
LEONARDO (LTP-FSD)	7.7
PPG-TF-169	7.7
PSG-GSD	7.7
RHIZING MOON (IS-TF 305 SEL)	7.7
GRANDE 3	7.3
JS 818	7.3
JS 916	7.3
MET 1	7.3
PSG-P01	7.3
REBOUNDER (PICK-W43)	7.3
ANNIHILATOR	7.0
ATF 1754	7.0
FIREWALL (PSG-WE1)	7.0
JS 819	7.0
WICHITA (PPG-TF-151)	7.0
FIREBIRD 2	6.7
HEMI	6.7
MARAUDER	6.7
MICHELANGELO (LTP-F5DPDR)	6.7
ROCKWELL (LTP-TWUU)	6.7
VALKYRIE LS (PPG-TF-172)	6.7
COMP. RES. SST	5.7
WARHAWK	5.7
PSG-8BP2	5.3
LSD VALUE	1.8
C.V. (%)	14.1

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

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

TABLE 32.

PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	MD1	NAME	MD1
BAR FA 120878	8.0	B23	6.7
ARES (PPG-TF-142)	7.7	BAR FA 121095	6.7
KY-31	7.7	BLOODHOUND (MET 6 SEL)	6.7
RAIN DANCE (PST-5SDT)	7.7	BULLSEYE	6.7
TURFWAY (IS-TF 282 M2)	7.7	COMP. RES. SST	6.7
BAR FA 121091	7.3	FAITH	6.7
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	FIREBIRD 2	6.7
F711	7.3	FIRECRACKER SLS (PPG-TF-105)	6.7
FAYETTE (IS-TF 291)	7.3	GTO (BURL TF-2)	6.7
FRONTLINE (EXP TF-09)	7.3	IS-TF 269 SEL	6.7
IS-TF 308 SEL	7.3	JS 916	6.7
JS 818	7.3	NIGHTCRAWLER (IS-TF 285)	6.7
LEONARDO (LTP-FSD)	7.3	PPG-TF-115	6.7
MET 1	7.3	PPG-TF-138	6.7
REBEL V (ATF 1736)	7.3	PSG-PO1	6.7
RHIZING MOON (IS-TF 305 SEL)	7.3	PSG-TT4	6.7
SWAGGER (PST-5R05)	7.3	ROWDY (SRX-TPC)	6.7
TEMPLE (DZ1)	7.3	SUPERSONIC (PPG-TF-170)	6.7
BAR FA 121089	7.0	THUNDERSTRUCK (TD1)	6.7
CAESAR (TY 10)	7.0	TITANIUM 2LS (PPG-TF-152)	6.7
CATALYST	7.0	UNITUS (IS-TF 289)	6.7
FOXHOUND (IS-TF 284 M2)	7.0	VALKYRIE LS (PPG-TF-172)	6.7
HEMI	7.0	W41	6.7
INSPIRATION (PST-R5NW)	7.0	AQUADUCT	6.3
IS-TF 276 M2	7.0	BIZEM	6.3
IS-TF 311	7.0	EMBRACE (PST-5EV2)	6.3
JS 819	7.0	FESNOVA	6.3
JS 825	7.0	JS 809	6.3
MICHELANGELO (LTP-F5DPDR)	7.0	PARAMOUNT (PPG-TF-137)	6.3
PSG-GSD	7.0	PSG-8BP2	6.3
PST-5DZP	7.0	PST-5BPO	6.3
PST-5EX2	7.0	REFLECTION (U45)	6.3
PST-5MVD	7.0	SALTILLO (PST-5SALT)	6.3
ROCKWELL (LTP-TWUU)	7.0	SCREAMER LS (PPG-TF-148)	6.3
THOR (PPG-TF-157)	7.0	TECHNIQUE (RZ2)	6.3
TRAVERSE 2 SRP (W45)	7.0	TEMPTATION (OR-21)	6.3
4TH MILLENNIUM SRP (U43)	6.7	BLACK TAIL (PPG-TF-150)	6.0
AMITY (CCR2)	6.7	DIABLO (IS-TF 330)	6.0
ANNIHILATOR	6.7	DYNAMITE LS (PPG-TF-145)	6.0
ATF 1704	6.7	FALCON IV	6.0
AVENGER II (PPG-TF-156)	6.7	FALCON V	6.0
FIREWALL (PSG-WE1)	6.0		

TABLE 32. PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	MD1
HOT ROD (BURL TF-136)	6.0
HOUNDOGB (IS-TF 307 SEL)	6.0
K12-05	6.0
K12-MCD	6.0
MAESTRO (T31)	6.0
MARAUDER	6.0
MEMPHIS (GO-DFR)	6.0
PST-5BRK	6.0
REBOUNDER (PICK-W43)	6.0
XTENDER (PPG-TF-139)	6.0
ATF 1754	5.7
IS-TF 272	5.7
IS-TF-287	5.7
KINGDOM (DB1)	5.7
MET-3	5.7
RAD-TF-83	5.7
RAPTOR III (ZW 44)	5.7
REGENERATE	5.7
TERRANO	5.7
WARHAWK	5.7
WICHITA (PPG-TF-151)	5.7
204 RES. BLK4	5.3
GRANDE 3	5.3
RHAMBLER 2 SRP (LSD)	5.3
HOVER (BURL TF-69)	5.0
PPG-TF-135	5.0
RAD-TF-89	5.0
K12-13	4.7
MERIDIAN (PST-5GRB)	4.7
RAD-TF-92	4.7
ATF 1612	4.3
PPG-TF-169	4.3
OLYMPUS (RAD-TF-88)	4.0
LSD VALUE	1.7
C.V. (%)	16.3

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

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

TABLE 33.

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2016 DATA

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

NAME	NE1	NAME	NE1
PPG-TF-169	6.0	SUPERSONIC (PPG-TF-170)	5.3
RAD-TF-92	6.0	TEMPTATION (OR-21)	5.3
AMITY (CCR2)	5.7	TRAVERSE 2 SRP (W45)	5.3
BIZEM	5.7	VALKYRIE LS (PPG-TF-172)	5.3
BLACK TAIL (PPG-TF-150)	5.7	204 RES. BLK4	5.0
F711	5.7	4TH MILLENNIUM SRP (U43)	5.0
GTO (BURL TF-2)	5.7	ARES (PPG-TF-142)	5.0
HEMI	5.7	ATF 1612	5.0
HOT ROD (BURL TF-136)	5.7	ATF 1754	5.0
HOVER (BURL TF-69)	5.7	BAR FA 121091	5.0
IS-TF 276 M2	5.7	BLOODHOUND (MET 6 SEL)	5.0
IS-TF 308 SEL	5.7	CAESAR (TY 10)	5.0
NIGHTCRAWLER (IS-TF 285)	5.7	COMP. RES. SST	5.0
PARAMOUNT (PPG-TF-137)	5.7	FALCON IV	5.0
PPG-TF-135	5.7	FALCON V	5.0
PSG-P01	5.7	FAYETTE (IS-TF 291)	5.0
TEMPLE (DZ1)	5.7	FESNOVA	5.0
TITANIUM 2LS (PPG-TF-152)	5.7	FIRECRACKER SLS (PPG-TF-105)	5.0
W41	5.7	HOUNDOG8 (IS-TF 307 SEL)	5.0
ATF 1704	5.3	INSPIRATION (PST-R5NW)	5.0
AVENGER II (PPG-TF-156)	5.3	IS-TF-287	5.0
B23	5.3	JS 809	5.0
CROSSFIRE 4 (IS-TF 310 SEL)	5.3	JS 818	5.0
DIABLO (IS-TF 330)	5.3	JS 916	5.0
EMBRACE (PST-5EV2)	5.3	K12-13	5.0
FIREWALL (PSG-WE1)	5.3	KINGDOM (DB1)	5.0
GRANDE 3	5.3	MERIDIAN (PST-5GRB)	5.0
IS-TF 269 SEL	5.3	MET-3	5.0
IS-TF 272	5.3	MICHELANGELO (LTP-F5DPDR)	5.0
IS-TF 311	5.3	OLYMPUS (RAD-TF-88)	5.0
K12-05	5.3	PPG-TF-138	5.0
LEONARDO (LTP-FSD)	5.3	PSG-8BP2	5.0
MAESTRO (T31)	5.3	RAIN DANCE (PST-5SDT)	5.0
MARAUDER	5.3	RAPTOR III (ZW 44)	5.0
MEMPHIS (GO-DFR)	5.3	REBEL V (ATF 1736)	5.0
MET 1	5.3	REFLECTION (U45)	5.0
PPG-TF-115	5.3	RHIZING MOON (IS-TF 305 SEL)	5.0
RAD-TF-83	5.3	ROWDY (SRX-TPC)	5.0
RAD-TF-89	5.3	SCREAMER LS (PPG-TF-148)	5.0
REBOUNDER (PICK-W43)	5.3	TERRANO	5.0
REGENERATE	5.3	THOR (PPG-TF-157)	5.0
THUNDERSTRUCK (TD1)	5.0		

TABLE 33. FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2016 DATA

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

NAME	NE1
TURFWAY (IS-TF 282 M2)	5.0
WICHITA (PPG-TF-151)	5.0
ANNIHILATOR	4.7
BAR FA 121089	4.7
BULLSEYE	4.7
DYNAMITE LS (PPG-TF-145)	4.7
FAITH	4.7
FIREBIRD 2	4.7
FOXHOUND (IS-TF 284 M2)	4.7
FRONTLINE (EXP TF-09)	4.7
JS 819	4.7
JS 825	4.7
K12-MCD	4.7
PSG-GSD	4.7
PSG-TT4	4.7
PST-5BRK	4.7
PST-5DZP	4.7
PST-5EX2	4.7
PST-5MVD	4.7
RHAMBLER 2 SRP (LSD)	4.7
ROCKWELL (LTP-TWUU)	4.7
SALTILLO (PST-5SALT)	4.7
TECHNIQUE (RZ2)	4.7
UNITUS (IS-TF 289)	4.7
XTENDER (PPG-TF-139)	4.7
BAR FA 121095	4.3
CATALYST	4.3
SWAGGER (PST-5R05)	4.3
WARHAWK	4.3
AQUADUCT	4.0
PST-5BPO	4.0
BAR FA 120878	3.7
KY-31	3.0
LSD VALUE	0.9
C.V. (%)	10.7

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

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

TABLE 34.

BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT RALEIGH, NC 1/
2016 DATA

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

NAME	JULY	AUGUST	MEAN	NAME	JULY	AUGUST	MEAN
PST-5EX2	6.7	8.0	7.3	AQUADUCT	5.7	4.7	5.2
REGENERATE	7.0	7.3	7.2	BIZEM	5.7	4.7	5.2
F711	7.0	6.7	6.8	CAESAR (TY 10)	5.7	4.7	5.2
BLOODHOUND (MET 6 SEL)	6.7	6.7	6.7	FIREWALL (PSG-WE1)	5.0	5.3	5.2
AMITY (CCR2)	6.3	6.7	6.5	JS 809	5.7	4.7	5.2
HEMI	7.0	6.0	6.5	RAD-TF-92	6.0	4.3	5.2
XTENDER (PPG-TF-139)	7.0	6.0	6.5	SCREAMER LS (PPG-TF-148)	6.0	4.3	5.2
BLACK TAIL (PPG-TF-150)	6.3	6.0	6.2	ARES (PPG-TF-142)	5.7	4.3	5.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	6.3	6.2	BAR FA 120878	5.3	4.7	5.0
GTO (BURL TF-2)	6.3	6.0	6.2	BULLSEYE	5.3	4.7	5.0
IS-TF 308 SEL	6.7	5.7	6.2	CATALYST	5.3	4.7	5.0
IS-TF 311	7.0	5.3	6.2	FIRECRACKER SLS (PPG-TF-105)	5.3	4.7	5.0
MET 1	6.3	6.0	6.2	HOT ROD (BURL TF-136)	5.3	4.7	5.0
TRAVERSE 2 SRP (W45)	5.7	6.7	6.2	IS-TF 269 SEL	5.7	4.3	5.0
ATF 1612	6.3	5.7	6.0	LEONARDO (LTP-FSD)	5.7	4.3	5.0
RAPTOR III (ZW 44)	6.0	6.0	6.0	MAESTRO (T31)	6.0	4.0	5.0
REBOUNDER (PICK-W43)	5.7	6.3	6.0	PPG-TF-138	5.7	4.3	5.0
SALTILLO (PST-5SALT)	5.3	6.7	6.0	REBEL V (ATF 1736)	4.3	5.7	5.0
VALKYRIE LS (PPG-TF-172)	6.7	5.3	6.0	TEMPLE (DZ1)	6.0	4.0	5.0
FIREBIRD 2	6.3	5.3	5.8	TITANIUM 2LS (PPG-TF-152)	6.3	3.7	5.0
MICHELANGELO (LTP-F5DPDR)	6.7	5.0	5.8	ATF 1704	5.3	4.3	4.8
PPG-TF-135	5.7	6.0	5.8	FAITH	5.0	4.7	4.8
PSG-PO1	6.0	5.7	5.8	FOXHOUND (IS-TF 284 M2)	5.3	4.3	4.8
ROWDY (SRX-TPC)	6.7	5.0	5.8	GRANDE 3	4.7	5.0	4.8
THOR (PPG-TF-157)	6.7	5.0	5.8	IS-TF 272	5.3	4.3	4.8
B23	6.3	5.0	5.7	JS 916	5.0	4.7	4.8
EMBRACE (PST-5EV2)	6.7	4.7	5.7	K12-MCD	5.3	4.3	4.8
PST-5BRK	6.0	5.3	5.7	MEMPHIS (GO-DFR)	5.3	4.3	4.8
TECHNIQUE (RZ2)	6.0	5.3	5.7	MERIDIAN (PST-5GRB)	5.3	4.0	4.8
ATF 1754	6.0	5.0	5.5	NIGHTCRAWLER (IS-TF 285)	5.3	4.3	4.8
AVENGER II (PPG-TF-156)	5.7	5.3	5.5	PSG-TT4	5.0	4.7	4.8
FALCON V	6.3	4.7	5.5	RAD-TF-89	5.3	4.3	4.8
FESNOVA	5.3	5.7	5.5	RHAMBLER 2 SRP (LSD)	5.3	4.3	4.8
IS-TF-287	6.7	4.3	5.5	SUPERSONIC (PPG-TF-170)	4.3	5.3	4.8
PPG-TF-169	6.7	4.3	5.5	SWAGGER (PST-5R05)	6.3	3.3	4.8
PST-5BPO	5.0	6.0	5.5	TEMPTATION (OR-21)	4.7	5.0	4.8
PST-5MVD	6.3	4.7	5.5	UNITUS (IS-TF 289)	5.3	4.3	4.8
REFLECTION (U45)	6.0	5.0	5.5	WICHITA (PPG-TF-151)	6.0	3.7	4.8
RHIZING MOON (IS-TF 305 SEL)	5.7	5.3	5.5	BAR FA 121089	5.0	4.3	4.7
ROCKWELL (LTP-TWUU)	5.7	5.3	5.5	DIABLO (IS-TF 330)	4.7	4.7	4.7
4TH MILLENNIUM SRP (U43)	5.3	5.3	5.3	DYNAMITE LS (PPG-TF-145)	5.3	4.0	4.7
HOVER (BURL TF-69)	6.0	4.7	5.3	FALCON IV	5.3	4.0	4.7
MET-3	6.0	4.7	5.3	FAYETTE (IS-TF 291)	5.0	4.3	4.7
PARAMOUNT (PPG-TF-137)	5.7	5.0	5.3	HOUND0G8 (IS-TF 307 SEL)	5.3	4.0	4.7
RAIN DANCE (PST-5SDT)	5.3	5.3	5.3	JS 819	4.7	4.7	4.7

TABLE 34. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT RALEIGH, NC 1/
2016 DATA

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

NAME	JULY	AUGUST	MEAN
KY-31	4.7	4.7	4.7
TERRANO	5.3	4.0	4.7
TURFWAY (IS-TF 282 M2)	5.3	4.0	4.7
W41	5.3	4.0	4.7
OLYMPUS (RAD-TF-88)	5.0	4.0	4.5
RAD-TF-83	4.7	4.3	4.5
BAR FA 121095	4.7	4.0	4.3
JS 818	4.7	4.0	4.3
KINGDOM (DB1)	4.7	4.0	4.3
PSG-GSD	5.0	3.7	4.3
BAR FA 121091	4.3	4.0	4.2
INSPIRATION (PST-R5NW)	5.0	3.3	4.2
IS-TF 276 M2	5.0	3.3	4.2
PPG-TF-115	4.3	4.0	4.2
PST-5DZP	4.3	4.0	4.2
K12-05	4.3	3.7	4.0
K12-13	4.3	3.7	4.0
MARAUDER	4.0	4.0	4.0
WARHAWK	4.0	4.0	4.0
JS 825	4.0	3.7	3.8
PSG-8BP2	4.3	3.3	3.8
204 RES. BLK4	3.7	3.7	3.7
THUNDERSTRUCK (TD1)	3.7	3.7	3.7
COMP. RES. SST	3.3	3.7	3.5
FRONTLINE (EXP TF-09)	3.7	3.3	3.5
ANNIHILATOR	2.7	3.7	3.2
C.V. (%)	20.8	25.2	19.1
LSD VALUE	2.5	2.6	2.0

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 35.

 BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
 AT ADELPHIA, NJ 1/
 2016 DATA

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

NAME	JULY	AUGUST	MEAN	NAME	JULY	AUGUST	MEAN
AVENGER II (PPG-TF-156)	7.0	9.0	8.0	WICHITA (PPG-TF-151)	6.0	5.0	5.5
TECHNIQUE (RZ2)	7.7	7.3	7.5	ATF 1612	5.7	5.0	5.3
ROWDY (SRX-TPC)	7.0	7.7	7.3	BLACK TAIL (PPG-TF-150)	5.7	5.0	5.3
MET 1	5.7	8.7	7.2	MICHELANGELO (LTP-F5DPDR)	6.3	4.3	5.3
PARAMOUNT (PPG-TF-137)	6.7	7.3	7.0	REBOUNDER (PICK-W43)	5.7	5.0	5.3
ROCKWELL (LTP-TWUU)	6.7	7.3	7.0	RHAMBLER 2 SRP (LSD)	5.3	5.3	5.3
AMITY (CCR2)	6.3	7.3	6.8	SALTILLO (PST-5SALT)	6.0	4.7	5.3
F711	5.0	8.7	6.8	TERRANO	5.7	5.0	5.3
FAYETTE (IS-TF 291)	5.3	8.3	6.8	VALKYRIE LS (PPG-TF-172)	5.7	5.0	5.3
MAESTRO (T31)	6.0	7.7	6.8	XTENDER (PPG-TF-139)	5.7	5.0	5.3
PST-5EX2	6.0	7.7	6.8	BULLSEYE	4.0	6.3	5.2
TITANIUM 2LS (PPG-TF-152)	7.3	6.3	6.8	EMBRACE (PST-5EV2)	4.3	6.0	5.2
4TH MILLENNIUM SRP (U43)	6.0	7.3	6.7	GRANDE 3	4.3	6.0	5.2
HEMI	6.0	7.3	6.7	INSPIRATION (PST-R5NW)	4.0	6.3	5.2
IS-TF 269 SEL	5.7	7.7	6.7	RAPTOR III (ZW 44)	6.3	4.0	5.2
REGENERATE	5.7	7.7	6.7	B23	6.0	4.0	5.0
FIRECRACKER SLS (PPG-TF-105)	5.7	7.3	6.5	BIZEM	5.3	4.7	5.0
MET-3	6.3	6.7	6.5	FIREBIRD 2	5.7	4.3	5.0
PPG-TF-135	6.7	6.3	6.5	HOVER (BURL TF-69)	6.0	4.0	5.0
RHIZING MOON (IS-TF 305 SEL)	5.7	7.3	6.5	IS-TF 276 M2	5.0	5.0	5.0
IS-TF 311	5.3	7.3	6.3	NIGHTCRAWLER (IS-TF 285)	5.0	5.0	5.0
PST-5BRK	5.3	7.3	6.3	PPG-TF-138	5.7	4.3	5.0
UNITUS (IS-TF 289)	5.0	7.7	6.3	RAD-TF-89	6.3	3.7	5.0
FALCON V	5.3	7.0	6.2	ATF 1754	5.0	4.7	4.8
GTO (BURL TF-2)	5.0	7.3	6.2	FESNOVA	4.0	5.7	4.8
K12-MCD	5.3	7.0	6.2	IS-TF 308 SEL	5.3	4.3	4.8
FAITH	5.3	6.7	6.0	LEONARDO (LTP-FSD)	5.7	4.0	4.8
HOT ROD (BURL TF-136)	5.3	6.7	6.0	PST-5DZP	4.0	5.7	4.8
PST-5BPO	5.0	7.0	6.0	REBEL V (ATF 1736)	5.0	4.7	4.8
SCREAMER LS (PPG-TF-148)	6.7	5.3	6.0	TRAVERSE 2 SRP (W45)	4.7	5.0	4.8
CATALYST	5.0	6.7	5.8	TURFWAY (IS-TF 282 M2)	4.7	5.0	4.8
JS 916	5.3	6.3	5.8	CAESAR (TY 10)	5.0	4.3	4.7
THOR (PPG-TF-157)	5.7	6.0	5.8	FALCON IV	5.0	4.3	4.7
BLOODHOUND (MET 6 SEL)	6.3	5.0	5.7	FOXHOUND (IS-TF 284 M2)	5.0	4.3	4.7
FIREWALL (PSG-WE1)	5.3	6.0	5.7	HOUND08 (IS-TF 307 SEL)	5.7	3.7	4.7
KY-31	4.3	7.0	5.7	TEMPLE (DZ1)	5.7	3.7	4.7
PPG-TF-115	6.0	5.3	5.7	TEMPTATION (OR-21)	4.7	4.7	4.7
PSG-GSD	5.7	5.7	5.7	DIABLO (IS-TF 330)	5.7	3.3	4.5
SUPERSONIC (PPG-TF-170)	5.7	5.7	5.7	DYNAMITE LS (PPG-TF-145)	4.3	4.7	4.5
W41	5.7	5.7	5.7	RAD-TF-83	5.3	3.7	4.5
ATF 1704	6.0	5.0	5.5	THUNDERSTRUCK (TD1)	5.0	4.0	4.5
IS-TF-287	4.7	6.3	5.5	BAR FA 120878	3.3	5.3	4.3
PSG-P01	5.7	5.3	5.5	FRONTLINE (EXP TF-09)	3.7	5.0	4.3
PST-5MVD	5.7	5.3	5.5	PPG-TF-169	4.3	4.3	4.3
SWAGGER (PST-5R05)	4.3	6.7	5.5	PSG-TT4	4.7	4.0	4.3

TABLE 35. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT ADELPHIA, NJ 1/
2016 DATA

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

NAME	JULY	AUGUST	MEAN
REFLECTION (U45)	5.0	3.7	4.3
BAR FA 121089	4.7	3.7	4.2
MERIDIAN (PST-5GRB)	4.7	3.7	4.2
JS 818	5.0	3.0	4.0
RAIN DANCE (PST-5SDT)	2.7	5.3	4.0
ARES (PPG-TF-142)	5.3	2.3	3.8
CROSSFIRE 4 (IS-TF 310 SEL)	4.7	3.0	3.8
IS-TF 272	4.0	3.3	3.7
KINGDOM (DB1)	3.3	4.0	3.7
MEMPHIS (GO-DFR)	4.3	3.0	3.7
PSG-8BP2	4.0	3.3	3.7
RAD-TF-92	5.3	2.0	3.7
AQUADUCT	3.0	3.7	3.3
BAR FA 121091	3.3	3.3	3.3
BAR FA 121095	4.3	2.3	3.3
JS 819	4.3	2.3	3.3
K12-05	4.7	2.0	3.3
JS 825	3.3	3.0	3.2
OLYMPUS (RAD-TF-88)	4.3	2.0	3.2
JS 809	3.3	2.7	3.0
K12-13	2.3	3.3	2.8
ANNIHILATOR	1.7	2.7	2.2
COMP. RES. SST	2.0	2.3	2.2
WARHAWK	2.3	1.7	2.0
MARAUDER	2.0	1.7	1.8
204 RES. BLK4	1.0	2.0	1.5
LSD VALUE	2.0	2.7	1.7
C.V. (%)	22.7	31.8	20.7

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

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

APPENDIX TABLE.

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

NAME	QUALITY		NAME	QUALITY	
	MEAN 1/	MAXIMUM IN TOP 25% 2/		MEAN 1/	MAXIMUM IN TOP 25% 2/
204 RES. BLK4	5.8	18.8	IS-TF 272	6.0	12.5
4TH MILLENNIUM SRP (U43)	6.6	68.8	IS-TF 276 M2	6.0	6.3
AMITY (CCR2)	6.5	62.5	IS-TF 308 SEL	6.4	50.0
ANNIHILATOR	5.5	0.0	IS-TF 311	6.4	37.5
AQUADUCT	5.4	0.0	IS-TF-287	6.0	12.5
ARES (PPG-TF-142)	5.9	6.3	JS 809	5.7	0.0
ATF 1612	6.2	18.8	JS 818	5.8	6.3
ATF 1704	6.2	12.5	JS 819	5.7	0.0
ATF 1754	6.1	12.5	JS 825	5.5	0.0
AVENGER II (PPG-TF-156)	6.5	62.5	JS 916	6.3	25.0
B23	6.1	18.8	K12-05	6.0	6.3
BAR FA 120878	4.7	0.0	K12-13	5.7	0.0
BAR FA 121089	5.6	0.0	K12-MCD	6.0	12.5
BAR FA 121091	5.6	0.0	KINGDOM (DB1)	6.1	12.5
BAR FA 121095	5.8	12.5	KY-31	3.8	0.0
BIZEM	6.5	62.5	LEONARDO (LTP-FSD)	6.2	18.8
BLACK TAIL (PPG-TF-150)	6.5	43.8	MAESTRO (T31)	6.4	62.5
BLOODHOUND (MET 6 SEL)	6.4	31.3	MARAUDER	5.4	0.0
BULLSEYE	6.1	25.0	MEMPHIS (GO-DFR)	5.9	6.3
CAESAR (TY 10)	6.0	0.0	MERIDIAN (PST-5GRB)	6.0	18.8
CATALYST	6.0	6.3	MET 1	6.6	62.5
COMP. RES. SST	5.6	0.0	MET-3	6.4	68.8
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	43.8	MICHELANGELO (LTP-F5DPDR)	6.3	25.0
DIABLO (IS-TF 330)	6.2	12.5	NIGHTCRAWLER (IS-TF 285)	6.0	0.0
DYNAMITE LS (PPG-TF-145)	5.9	6.3	OLYMPUS (RAD-TF-88)	6.0	18.8
EMBRACE (PST-5EV2)	6.3	37.5	PARAMOUNT (PPG-TF-137)	6.3	25.0
F711	6.5	56.3	PPG-TF-115	6.1	12.5
FAITH	6.2	37.5	PPG-TF-135	6.4	50.0
FALCON IV	5.7	6.3	PPG-TF-138	6.2	25.0
FALCON V	6.0	18.8	PPG-TF-169	6.3	43.8
FAYETTE (IS-TF 291)	6.3	31.3	PSG-8BP2	5.6	0.0
FESNOVA	6.1	12.5	PSG-GSD	5.8	0.0
FIREBIRD 2	6.3	37.5	PSG-P01	6.4	50.0
FIRECRACKER SLS (PPG-TF-105)	6.3	31.3	PSG-TT4	5.8	0.0
FIREWALL (PSG-WE1)	6.3	50.0	PST-5BPO	6.1	12.5
FOXHOUND (IS-TF 284 M2)	6.2	18.8	PST-5BRK	6.1	25.0
FRONTLINE (EXP TF-09)	5.5	0.0	PST-5DZP	5.9	0.0
GRANDE 3	6.2	25.0	PST-5EX2	5.9	12.5
GTO (BURL TF-2)	6.5	62.5	PST-5MVD	6.0	0.0
HEMI	6.4	50.0	RAD-TF-83	5.8	12.5
HOT ROD (BURL TF-136)	6.4	50.0	RAD-TF-89	6.1	12.5
HOUNDOG8 (IS-TF 307 SEL)	6.2	18.8	RAD-TF-92	6.1	12.5
HOVER (BURL TF-69)	6.2	31.3	RAIN DANCE (PST-5SDT)	5.8	6.3
INSPIRATION (PST-R5NW)	5.6	0.0	RAPTOR III (ZW 44)	6.6	75.0
IS-TF 269 SEL	6.3	31.3	REBEL V (ATF 1736)	6.1	0.0

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	
	MEAN 1/	MAXIMUM IN TOP 25% 2/
REBOUNDER (PICK-W43)	6.5	62.5
REFLECTION (U45)	6.5	50.0
REGENERATE	6.6	62.5
RHAMBLER 2 SRP (LSD)	6.1	18.8
RHIZING MOON (IS-TF 305 SEL)	6.2	18.8
ROCKWELL (LTP-TWUU)	6.5	50.0
ROWDY (SRX-TPC)	6.3	31.3
SALTILLO (PST-5SALT)	6.2	18.8
SCREAMER LS (PPG-TF-148)	6.2	25.0
SUPERSONIC (PPG-TF-170)	6.4	56.3
SWAGGER (PST-5R05)	5.8	0.0
TECHNIQUE (RZ2)	6.5	68.8
TEMPLE (DZ1)	6.3	37.5
TEMPTATION (OR-21)	5.9	18.8
TERRANO	5.8	12.5
THOR (PPG-TF-157)	6.5	50.0
THUNDERSTRUCK (TD1)	6.1	18.8
TITANIUM 2LS (PPG-TF-152)	6.4	68.8
TRAVERSE 2 SRP (W45)	6.5	50.0
TURFWAY (IS-TF 282 M2)	6.2	25.0
UNITUS (IS-TF 289)	5.9	0.0
VALKYRIE LS (PPG-TF-172)	6.3	37.5
W41	6.5	68.8
WARHAWK	5.3	0.0
WICHITA (PPG-TF-151)	6.3	25.0
XTENDER (PPG-TF-139)	6.3	37.5
LSD VALUE	0.2	
C.V. (%)	6.9	

*/ 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.