

## **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 2015**

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 (Brown Patch Ancillary)	KS2
Kentucky	Lexington	KY1
Kentucky	Lexington (Brown Patch Ancillary)	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
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Pennsylvania	University Park (Traffic)	PA2
Tennessee	Knoxville	TN1
Tennessee	Knoxville (Traffic)	TN2
Utah	Logan (Drought)	UT1
Utah	Logan (Spread)	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic)	VA2

## 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	SemillasFito S.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	Commander (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 <sup>th</sup> Millennium SRP(U43)	Turf Merchants, Inc	*46	Unitus (IS-TF 289)	DLPickseed, 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	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. Bk4	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)	DLPickseed, 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	Rhizing Moon(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 2016

TABLE A. 2015 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	-	0-60	241-375	-	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
GA1	SANDY LOAM	4.6-5.5	0-60	0-150	4.1-5.0	FULL SUN	3.1-3.5	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	5.6-6.0	451+	501+	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
KY2	SILT LOAM AND SILT	5.6-6.0	451+	501+	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	3.1-3.5	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	4.1-5.0	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
OK1	LOAM	7.1-7.5	61-150	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
PA1	SILTY CLAY LOAM	6.6-7.0	151-270	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
PA2	SILTY CLAY LOAM	6.6-7.0	151-270	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
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
VA2	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 2015

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
CA3	X	X	X	X	X	X	X	X	X	X	X	X
CT1					X	X	X	X	X	X		
GA1	X	X	X	X	X	X	X	X	X	X	X	X
IA1					X	X	X	X	X	X		
IL1				X	X	X	X	X	X	X		
IL2				X	X	X	X	X	X	X	X	
IN1					X	X	X	X	X	X	X	
KS2				X	X	X	X	X	X	X		
KY1			X	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		
MS1	X	X	X	X	X	X	X	X	X	X	X	X
NC1	X	X	X	X	X	X	X	X	X	X	X	
NE1				X	X	X	X	X	X	X		
NJ1				X	X	X	X	X	X	X		
NJ2				X	X	X	X	X	X	X		
NJ3												
OK1				X	X	X	X	X	X	X	X	X
PA1						X	X			X		
PA2												
TN1	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
UT1					X	X	X	X	X	X		
UT2												
VA1				X	X	X	X	X	X	X	X	
VA2				X	X	X	X	X		X	X	X



TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015

LOCATION	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	LEAF SPOT	BROWN PATCH WARM TEMP.	PINK SNOW MILD
CA3	X	X	X		X					X			
CT1	X	X	X										
GA1	X												
IA1	X	X	X										
IL1	X	X	X										
IL2		X						X	X				
IN1	X	X	X		X								
KS2	X	X	X									X	
KY1													
KY2												X	
MD1													X
MO1	X		X										
MS1	X	X	X							X			
NC1	X	X	X	X	X	X	X	X	X	X		X	
NE1	X	X	X										
NJ1		X											
NJ2	X	X									X	X	
NJ3							X	X	X			X	X
OK1	X		X		X	X	X		X			X	
PA1		X											
PA2													
TN1	X						X	X	X			X	
TN2	X			X			X	X	X	X		X	X
UT1	X	X											
UT2													
VA1													
VA2													

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015

LOCATION	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	PERCENT WINTER DAMAGE	BROWN PATCH		PERCENT PYTHIUM RATINGS				
						AUGUST	SEPTEMBER	JUNE	JUL_15	JUL_29	AUGUST	
CA3												
CT1												
GA1												
IA1												
IL1		X										
IL2												
IN1												
KS2			X									
KY1												
KY2												
MD1												
M01												
MS1												
NC1					X							
NE1	X											
NJ1												
NJ2												
* NJ3												
OK1			X	X			X	X				
PA1												
* PA2												
TN1									X	X	X	X
* TN2												
UT1												
* UT2												
VA1												
* VA2												

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

TABLE 1.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	NJ1	NJ2	MD1	CT1	IL1	CA3	NC1	IA1	VA1	MEAN
* 4TH MILLENNIUM SRP (U43)	8.1	8.0	6.1	7.0	6.8	6.6	6.8	6.8	7.5	6.9	7.1
* AMITY (CCR2)	8.0	7.9	6.1	7.0	6.8	6.5	6.8	6.8	7.5	6.9	7.0
REGENERATE	8.1	7.9	6.1	7.0	6.7	6.5	6.7	6.8	7.5	6.8	7.0
* TRAVERSE 2 SRP (W45)	7.9	7.8	6.0	6.9	6.7	6.5	6.7	6.8	7.5	6.9	7.0
* RAPTOR III (ZW 44)	7.8	7.7	5.9	6.8	6.7	6.4	6.7	6.7	7.5	6.8	6.9
* REBOUNDER (PICK-W43)	7.8	7.7	5.9	6.8	6.7	6.4	6.7	6.7	7.5	6.8	6.9
MET 1	7.6	7.6	5.8	6.8	6.7	6.5	6.7	6.8	7.5	6.8	6.9
* TITANIUM 2LS (PPG-TF-152)	7.6	7.5	5.8	6.7	6.6	6.4	6.7	6.7	7.5	6.8	6.8
* AVENGER II (PPG-TF-156)	7.4	7.4	5.7	6.7	6.7	6.5	6.7	6.8	7.5	6.9	6.8
* TECHNIQUE (RZ2)	7.6	7.5	5.8	6.7	6.6	6.4	6.7	6.7	7.5	6.8	6.8
* REFLECTION (U45)	7.6	7.5	5.8	6.7	6.6	6.4	6.6	6.7	7.4	6.8	6.8
PPG-TF-135	7.5	7.4	5.7	6.6	6.6	6.4	6.7	6.7	7.5	6.8	6.8
* FAYETTE (IS-TF 291)	7.6	7.6	5.8	6.7	6.6	6.3	6.6	6.6	7.4	6.7	6.8
* COMMANDER (PPG-TF-170)	7.4	7.4	5.7	6.6	6.6	6.4	6.7	6.7	7.5	6.8	6.8
* MAESTRO (T31)	7.4	7.4	5.7	6.6	6.6	6.4	6.6	6.7	7.4	6.8	6.8
* HEMI	7.6	7.5	5.7	6.7	6.5	6.3	6.6	6.6	7.3	6.7	6.8
F711	7.5	7.4	5.7	6.6	6.6	6.4	6.6	6.6	7.4	6.7	6.8
BIZEM	7.5	7.4	5.7	6.6	6.6	6.4	6.6	6.6	7.4	6.7	6.8
* ROCKWELL (LTP-TWUU)	7.6	7.5	5.7	6.7	6.5	6.3	6.6	6.6	7.4	6.7	6.8
B23	7.8	7.7	5.8	6.7	6.5	6.2	6.5	6.5	7.2	6.6	6.7
PSG-PO1	7.5	7.5	5.7	6.6	6.5	6.3	6.6	6.6	7.4	6.7	6.7
* HOT ROD (BURL TF-136)	7.6	7.5	5.7	6.6	6.5	6.3	6.5	6.5	7.3	6.6	6.7
* THOR (PPG-TF-157)	7.2	7.2	5.6	6.5	6.6	6.4	6.6	6.7	7.4	6.8	6.7
* PARAMOUNT (PPG-TF-137)	7.4	7.4	5.6	6.6	6.5	6.3	6.6	6.6	7.3	6.7	6.7
IS-TF 308 SEL	7.5	7.4	5.7	6.6	6.5	6.3	6.5	6.6	7.3	6.7	6.7
W41	7.3	7.3	5.6	6.5	6.5	6.3	6.6	6.6	7.4	6.7	6.7
* TEMPLE (DZ1)	7.4	7.3	5.6	6.5	6.5	6.3	6.5	6.6	7.3	6.7	6.7
MET-3	7.2	7.2	5.5	6.5	6.5	6.3	6.6	6.6	7.4	6.8	6.7
* FIRECRACKER SLS (PPG-TF-105)	7.3	7.3	5.6	6.5	6.4	6.3	6.5	6.5	7.3	6.6	6.6
* BLACK TAIL (PPG-TF-150)	7.2	7.2	5.5	6.5	6.5	6.3	6.5	6.6	7.3	6.7	6.6
IS-TF 311	7.2	7.2	5.5	6.5	6.5	6.3	6.5	6.6	7.3	6.7	6.6
* SCREAMER LS (PPG-TF-148)	7.3	7.2	5.5	6.5	6.4	6.2	6.5	6.5	7.3	6.6	6.6
* FIREWALL (PSG-WE1)	7.1	7.1	5.5	6.4	6.5	6.3	6.5	6.6	7.3	6.7	6.6
* BLOODHOUND (MET 6 SEL)	7.2	7.2	5.5	6.4	6.4	6.2	6.5	6.5	7.3	6.6	6.6
* PPG-TF-172	7.1	7.1	5.4	6.4	6.4	6.3	6.5	6.5	7.3	6.7	6.6
* GTO (BURL TF-2)	6.9	6.9	5.3	6.3	6.5	6.3	6.6	6.6	7.4	6.7	6.6
JS 916	7.2	7.2	5.5	6.4	6.4	6.2	6.4	6.5	7.2	6.6	6.6
PPG-TF-169	7.1	7.1	5.4	6.4	6.4	6.2	6.5	6.5	7.3	6.6	6.5
* ROWDY (SRX-TPC)	7.2	7.1	5.4	6.4	6.4	6.2	6.4	6.5	7.2	6.6	6.5
ATF 1612	7.2	7.2	5.4	6.4	6.3	6.1	6.4	6.4	7.2	6.5	6.5
ATF 1704	7.2	7.1	5.4	6.4	6.3	6.1	6.4	6.4	7.2	6.5	6.5
* CROSSFIRE 4 (IS-TF 310 SEL)	6.9	6.9	5.3	6.3	6.4	6.2	6.5	6.5	7.3	6.7	6.5
* WICHITA (PPG-TF-151)	6.9	6.9	5.3	6.3	6.4	6.2	6.5	6.5	7.3	6.6	6.5
* RHAMBLER 2 SRP (LSD)	7.0	7.0	5.3	6.3	6.3	6.1	6.4	6.4	7.2	6.5	6.5
* GRANDE 3	6.8	6.8	5.2	6.2	6.3	6.2	6.4	6.5	7.3	6.6	6.4
* FALCON V	7.1	7.0	5.3	6.3	6.3	6.1	6.3	6.4	7.1	6.5	6.4
EMBRACE (PST-5EV2)	6.7	6.8	5.2	6.2	6.3	6.2	6.5	6.5	7.3	6.6	6.4
* FIREBIRD 2	6.8	6.8	5.2	6.2	6.3	6.1	6.4	6.4	7.2	6.6	6.4

TABLE 1. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	NJ1	NJ2	MD1	CT1	IL1	CA3	NC1	IA1	VA1	MEAN
IS-TF 269 SEL	6.9	6.9	5.3	6.2	6.3	6.1	6.4	6.4	7.2	6.5	6.4
* DIABLO (IS-TF 330)	6.9	6.9	5.2	6.2	6.3	6.1	6.3	6.4	7.1	6.5	6.4
* HOUNDG8 (IS-TF 307 SEL)	6.7	6.7	5.1	6.1	6.3	6.1	6.4	6.5	7.2	6.6	6.4
XTENDER (PPG-TF-139)	6.7	6.8	5.2	6.2	6.3	6.1	6.4	6.4	7.2	6.5	6.4
* CATALYST	6.7	6.8	5.1	6.1	6.3	6.1	6.4	6.4	7.2	6.5	6.4
* FOXHOUND (IS-TF 284 M2)	6.7	6.7	5.1	6.1	6.2	6.1	6.3	6.4	7.1	6.5	6.3
* KINGDOM (DB1)	6.9	6.9	5.2	6.2	6.1	6.0	6.2	6.3	7.0	6.4	6.3
* RHIZING MOON (IS-TF 305 SEL)	6.4	6.5	5.0	6.0	6.3	6.1	6.4	6.5	7.2	6.6	6.3
* FAITH	6.4	6.5	5.0	6.0	6.3	6.1	6.4	6.5	7.3	6.6	6.3
RAD-TF-92	7.1	7.1	5.3	6.2	6.1	5.9	6.1	6.1	6.9	6.2	6.3
* OLYMPUS (RAD-TF-88)	7.1	7.0	5.3	6.2	6.1	5.9	6.1	6.1	6.9	6.2	6.3
* TURFWAY (IS-TF 282 M2)	6.6	6.7	5.1	6.1	6.2	6.0	6.3	6.3	7.1	6.5	6.3
PPG-TF-138	6.5	6.6	5.0	6.0	6.2	6.1	6.3	6.4	7.2	6.5	6.3
* LEONARDO (LTP-FSD)	6.4	6.5	5.0	6.0	6.2	6.1	6.3	6.4	7.2	6.5	6.3
* MICHELANGELO (LTP-F5DPDR)	6.2	6.4	4.9	5.9	6.3	6.1	6.4	6.5	7.3	6.6	6.3
ATF 1754	6.6	6.7	5.0	6.0	6.2	6.0	6.3	6.3	7.1	6.4	6.3
* BULLSEYE	6.6	6.6	5.0	6.0	6.2	6.0	6.2	6.3	7.1	6.4	6.2
FESNOVA	6.4	6.5	5.0	6.0	6.2	6.1	6.3	6.4	7.2	6.5	6.2
* NIGHTCRAWLER (IS-TF 285)	6.8	6.8	5.1	6.1	6.1	5.9	6.2	6.2	7.0	6.3	6.2
* HOVER (BURL TF-69)	6.8	6.8	5.1	6.1	6.1	5.9	6.2	6.2	7.0	6.3	6.2
IS-TF-287	6.7	6.7	5.1	6.1	6.1	5.9	6.2	6.2	7.0	6.3	6.2
MERIDIAN (PST-5GRB)	6.5	6.6	5.0	6.0	6.1	5.9	6.2	6.2	7.0	6.4	6.2
K12-MCD	6.4	6.4	4.9	5.9	6.1	6.0	6.2	6.3	7.1	6.4	6.2
* UNITUS (IS-TF 289)	6.3	6.4	4.9	5.9	6.1	6.0	6.3	6.3	7.1	6.4	6.2
RAD-TF-89	6.5	6.6	4.9	5.9	6.1	5.9	6.2	6.2	7.0	6.3	6.2
K12-05	6.3	6.4	4.8	5.8	6.1	5.9	6.2	6.2	7.0	6.4	6.1
ATF 1736	6.3	6.4	4.8	5.8	6.0	5.9	6.1	6.2	7.0	6.3	6.1
PST-5MVD	6.2	6.3	4.8	5.8	6.0	5.9	6.2	6.2	7.0	6.4	6.1
* ARES (PPG-TF-142)	6.2	6.3	4.8	5.8	6.1	5.9	6.2	6.3	7.0	6.4	6.1
* THUNDERSTRUCK (TD1)	6.1	6.3	4.7	5.8	6.1	5.9	6.2	6.3	7.1	6.4	6.1
IS-TF 276 M2	6.0	6.1	4.6	5.7	6.0	5.9	6.2	6.2	7.0	6.4	6.0
TERRANO	6.0	6.1	4.6	5.7	6.0	5.9	6.2	6.2	7.0	6.4	6.0
PST-5BPO	5.8	6.0	4.6	5.6	6.0	5.9	6.2	6.3	7.1	6.4	6.0
* SALTILLO (PST-5SALT)	5.9	6.0	4.6	5.6	6.0	5.9	6.2	6.2	7.0	6.4	6.0
IS-TF 272	6.2	6.3	4.7	5.7	5.9	5.8	6.0	6.1	6.9	6.2	6.0
* DYNAMITE LS (PPG-TF-145)	5.9	6.1	4.6	5.6	6.0	5.8	6.1	6.2	7.0	6.3	6.0
PPG-TF-115	5.6	5.9	4.5	5.6	6.0	5.9	6.2	6.3	7.1	6.5	6.0
PST-5BRK	5.7	5.9	4.5	5.6	6.0	5.9	6.2	6.3	7.1	6.4	6.0
* CAESAR (TY 10)	5.7	5.9	4.4	5.5	5.9	5.8	6.1	6.1	6.9	6.3	5.9
* SWAGGER (PST-5R05)	5.8	6.0	4.5	5.5	5.9	5.7	6.0	6.1	6.9	6.2	5.9
PST-5DZP	5.8	6.0	4.5	5.5	5.8	5.7	5.9	6.0	6.8	6.1	5.8
JS 818	6.0	6.1	4.5	5.5	5.7	5.6	5.8	5.9	6.7	6.0	5.8
RAD-TF-83	5.9	6.0	4.4	5.5	5.7	5.6	5.9	5.9	6.7	6.1	5.8
* MEMPHIS (GO-DFR)	5.6	5.8	4.3	5.4	5.8	5.7	6.0	6.0	6.8	6.2	5.8
* TEMPTATION (OR-21)	5.4	5.6	4.2	5.3	5.8	5.7	6.0	6.1	6.9	6.2	5.7
BAR FA 121095	5.6	5.8	4.3	5.4	5.7	5.6	5.9	6.0	6.8	6.1	5.7
* RAIN DANCE (PST-5SDT)	5.4	5.6	4.2	5.3	5.8	5.7	6.0	6.1	6.9	6.2	5.7
PST-5EX2	5.2	5.4	4.1	5.2	5.8	5.7	6.0	6.1	6.9	6.3	5.7

TABLE 1. (CONT'D)

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

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	NJ1	NJ2	MD1	CT1	IL1	CA3	NC1	IA1	VA1	MEAN
PSG-GSD	5.3	5.5	4.1	5.3	5.8	5.7	5.9	6.0	6.8	6.2	5.7
PSG-8BP2	5.4	5.6	4.2	5.3	5.7	5.6	5.9	6.0	6.8	6.1	5.7
* FALCON IV	5.1	5.4	4.1	5.2	5.7	5.6	5.9	6.0	6.8	6.2	5.6
JS 809	5.5	5.7	4.2	5.2	5.6	5.5	5.7	5.8	6.6	6.0	5.6
PSG-TT4	5.1	5.4	4.0	5.1	5.6	5.6	5.8	5.9	6.7	6.1	5.5
204 RES. BLK4	5.6	5.7	4.2	5.2	5.5	5.4	5.6	5.7	6.5	5.8	5.5
COMP. RES. SST	5.5	5.6	4.1	5.2	5.4	5.3	5.6	5.6	6.4	5.8	5.5
JS 819	4.9	5.1	3.8	5.0	5.6	5.5	5.8	5.9	6.7	6.0	5.4
BAR FA 121089	5.0	5.3	3.9	5.0	5.5	5.4	5.7	5.7	6.6	5.9	5.4
* INSPIRATION (PST-R5NW)	4.7	5.0	3.8	4.9	5.5	5.5	5.8	5.9	6.7	6.0	5.4
K12-13	5.1	5.3	3.9	5.0	5.4	5.3	5.6	5.7	6.5	5.8	5.4
BAR FA 121091	4.8	5.1	3.8	4.9	5.4	5.4	5.6	5.7	6.5	5.9	5.3
* ANNIHILATOR	5.1	5.3	3.9	4.9	5.3	5.2	5.5	5.6	6.4	5.7	5.3
* MARAUDER	4.9	5.1	3.8	4.9	5.3	5.2	5.5	5.6	6.4	5.8	5.3
* AQUADUCT	4.6	4.9	3.6	4.8	5.4	5.3	5.6	5.7	6.5	5.9	5.2
* FRONTLINE (EXP TF-09)	4.5	4.8	3.6	4.7	5.4	5.4	5.7	5.8	6.6	5.9	5.2
JS 825	4.2	4.6	3.4	4.5	5.3	5.2	5.5	5.6	6.5	5.8	5.1
* WARHAWK	4.1	4.5	3.3	4.5	5.3	5.2	5.5	5.6	6.4	5.8	5.0
BAR FA 120878	2.4	3.0	2.1	3.4	4.6	4.6	4.9	5.1	5.9	5.3	4.1
* KY-31	1.2	1.8	0.9	2.2	3.5	3.5	3.8	4.0	4.9	4.2	3.0
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	7.5	7.4	9.8	8.1	7.9	8.1	7.7	7.7	6.8	7.5	7.8

\* COMMERCIALY AVAILABLE IN THE USA IN 2016

\*\* 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](http://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 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KY1	NE1	M01	IN1	GA1	MS1	TN1	MEAN
AVENGER II (PPG-TF-156)	7.6	5.9	6.4	6.2	5.6	6.5	8.3	6.6
AMITY (CCR2)	7.6	5.8	6.3	6.2	5.6	6.4	8.2	6.6
MET 1	7.6	5.8	6.3	6.2	5.6	6.4	8.2	6.6
4TH MILLENNIUM SRP (U43)	7.6	5.8	6.3	6.2	5.6	6.4	8.1	6.6
TRAVERSE 2 SRP (W45)	7.6	5.8	6.3	6.2	5.5	6.4	8.2	6.6
TITANIUM 2LS (PPG-TF-152)	7.6	5.8	6.3	6.2	5.6	6.4	8.2	6.6
THOR (PPG-TF-157)	7.6	5.8	6.3	6.1	5.6	6.4	8.2	6.6
PPG-TF-135	7.6	5.8	6.3	6.1	5.5	6.4	8.2	6.6
COMMANDER (PPG-TF-170)	7.6	5.8	6.3	6.1	5.5	6.4	8.2	6.6
TECHNIQUE (RZ2)	7.6	5.8	6.3	6.1	5.5	6.4	8.2	6.5
GTO (BURL TF-2)	7.5	5.7	6.2	6.1	5.6	6.4	8.2	6.5
REGENERATE	7.6	5.8	6.3	6.1	5.5	6.3	8.1	6.5
MAESTRO (T31)	7.5	5.8	6.3	6.1	5.5	6.4	8.2	6.5
MET-3	7.5	5.7	6.2	6.1	5.5	6.4	8.2	6.5
REBOUNDER (PICK-W43)	7.5	5.8	6.3	6.1	5.5	6.3	8.1	6.5
RAPTOR III (ZW 44)	7.5	5.7	6.3	6.1	5.5	6.3	8.1	6.5
REFLECTION (U45)	7.5	5.7	6.2	6.1	5.5	6.3	8.1	6.5
W41	7.5	5.7	6.2	6.1	5.5	6.3	8.1	6.5
F711	7.5	5.7	6.2	6.1	5.5	6.3	8.1	6.5
BIZEM	7.5	5.7	6.2	6.1	5.5	6.3	8.1	6.5
MICHELANGELO (LTP-F5DPDR)	7.4	5.6	6.1	6.0	5.5	6.4	8.2	6.5
FIREWALL (PSG-WE1)	7.5	5.7	6.2	6.0	5.5	6.3	8.1	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	7.4	5.6	6.1	6.0	5.5	6.3	8.1	6.4
FAITH	7.4	5.6	6.1	6.0	5.5	6.3	8.2	6.4
IS-TF 311	7.4	5.7	6.2	6.0	5.4	6.3	8.1	6.4
BLACK TAIL (PPG-TF-150)	7.4	5.7	6.2	6.0	5.4	6.3	8.1	6.4
EMBRACE (PST-5EV2)	7.4	5.6	6.1	6.0	5.4	6.3	8.1	6.4
PPG-TF-172	7.4	5.6	6.1	6.0	5.4	6.3	8.1	6.4
PSG-P01	7.5	5.7	6.2	6.0	5.4	6.3	8.0	6.4
FAYETTE (IS-TF 291)	7.5	5.7	6.2	6.0	5.4	6.3	8.0	6.4
RHIZING MOON (IS-TF 305 SEL)	7.4	5.6	6.1	6.0	5.4	6.3	8.2	6.4
PARAMOUNT (PPG-TF-137)	7.4	5.6	6.2	6.0	5.4	6.3	8.0	6.4
ROCKWELL (LTP-TWUU)	7.4	5.7	6.2	6.0	5.4	6.2	8.0	6.4
WICHITA (PPG-TF-151)	7.4	5.6	6.1	6.0	5.4	6.3	8.1	6.4
HEMI	7.4	5.6	6.1	6.0	5.4	6.2	8.0	6.4
TEMPLE (DZ1)	7.4	5.6	6.1	6.0	5.4	6.2	8.0	6.4
GRANDE 3	7.4	5.6	6.1	6.0	5.4	6.3	8.1	6.4
PPG-TF-169	7.4	5.6	6.1	6.0	5.4	6.3	8.0	6.4
IS-TF 308 SEL	7.4	5.6	6.1	6.0	5.4	6.2	8.0	6.4
HOUNDOG8 (IS-TF 307 SEL)	7.4	5.6	6.1	5.9	5.4	6.3	8.1	6.4
FIRECRACKER SLS (PPG-TF-105)	7.4	5.6	6.1	6.0	5.4	6.2	8.0	6.4
SCREAMER LS (PPG-TF-148)	7.4	5.6	6.1	6.0	5.4	6.2	8.0	6.4
LEONARDO (LTP-FSD)	7.3	5.5	6.1	5.9	5.4	6.3	8.1	6.4
BLOODHOUND (MET 6 SEL)	7.4	5.6	6.1	5.9	5.4	6.2	8.0	6.4
FIREBIRD 2	7.3	5.5	6.1	5.9	5.4	6.2	8.0	6.4
HOT ROD (BURL TF-136)	7.4	5.6	6.1	5.9	5.3	6.2	7.9	6.3
XTENDER (PPG-TF-139)	7.3	5.5	6.0	5.9	5.3	6.2	8.0	6.3
PPG-TF-115	7.3	5.5	6.0	5.8	5.4	6.3	8.1	6.3

TABLE 2. (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/

GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KY1	NE1	M01	IN1	GA1	MS1	TN1	MEAN
PPG-TF-138	7.3	5.5	6.0	5.9	5.3	6.2	8.0	6.3
FESNOVA	7.3	5.5	6.0	5.9	5.3	6.2	8.0	6.3
CATALYST	7.3	5.5	6.0	5.9	5.3	6.2	8.0	6.3
JS 916	7.3	5.5	6.0	5.9	5.3	6.2	7.9	6.3
ROWDY (SRX-TPC)	7.3	5.5	6.0	5.9	5.3	6.2	7.9	6.3
PST-5BRK	7.2	5.4	6.0	5.8	5.3	6.3	8.1	6.3
RHAMBLER 2 SRP (LSD)	7.3	5.5	6.0	5.9	5.3	6.2	8.0	6.3
IS-TF 269 SEL	7.3	5.5	6.0	5.8	5.3	6.1	7.9	6.3
UNITUS (IS-TF 289)	7.2	5.4	6.0	5.8	5.3	6.2	8.0	6.3
FOXHOUND (IS-TF 284 M2)	7.3	5.5	6.0	5.8	5.3	6.1	7.9	6.3
PST-5BPO	7.2	5.4	5.9	5.8	5.3	6.2	8.0	6.3
B23	7.3	5.5	6.0	5.9	5.2	6.1	7.8	6.3
DIABLO (IS-TF 330)	7.3	5.5	6.0	5.8	5.3	6.1	7.9	6.3
ATF 1704	7.3	5.5	6.0	5.8	5.3	6.1	7.9	6.3
ATF 1612	7.3	5.5	6.0	5.8	5.3	6.1	7.9	6.3
TURFWAY (IS-TF 282 M2)	7.2	5.4	6.0	5.8	5.3	6.1	7.9	6.3
K12-MCD	7.2	5.4	5.9	5.8	5.3	6.1	8.0	6.3
SALTILLO (PST-5SALT)	7.2	5.4	5.9	5.8	5.3	6.2	8.0	6.2
IS-TF 276 M2	7.2	5.4	5.9	5.8	5.3	6.2	8.0	6.2
TERRANO	7.2	5.4	5.9	5.8	5.3	6.2	8.0	6.2
THUNDERSTRUCK (TD1)	7.2	5.4	5.9	5.8	5.3	6.1	8.0	6.2
ARES (PPG-TF-142)	7.2	5.4	5.9	5.8	5.3	6.1	8.0	6.2
ATF 1754	7.2	5.4	5.9	5.8	5.2	6.1	7.9	6.2
FALCON V	7.2	5.4	5.9	5.8	5.2	6.1	7.8	6.2
BULLSEYE	7.2	5.4	5.9	5.8	5.2	6.1	7.9	6.2
K12-05	7.1	5.4	5.9	5.7	5.2	6.1	7.9	6.2
DYNAMITE LS (PPG-TF-145)	7.1	5.3	5.8	5.7	5.2	6.1	7.9	6.2
PST-5MVD	7.1	5.4	5.9	5.7	5.2	6.1	7.9	6.2
PST-5EX2	7.1	5.3	5.8	5.7	5.2	6.1	8.0	6.2
MERIDIAN (PST-5GRB)	7.1	5.4	5.9	5.7	5.2	6.1	7.9	6.2
CAESAR (TY 10)	7.1	5.3	5.8	5.7	5.2	6.1	7.9	6.2
ATF 1736	7.1	5.3	5.8	5.7	5.2	6.0	7.8	6.1
RAD-TF-89	7.1	5.3	5.8	5.7	5.1	6.0	7.8	6.1
KINGDOM (DB1)	7.1	5.3	5.8	5.7	5.1	6.0	7.8	6.1
IS-TF-287	7.1	5.3	5.8	5.7	5.1	6.0	7.8	6.1
TEMPTATION (OR-21)	7.0	5.2	5.8	5.6	5.1	6.1	7.9	6.1
FALCON IV	7.0	5.2	5.7	5.6	5.2	6.1	7.9	6.1
RAIN DANCE (PST-5SDT)	7.0	5.2	5.7	5.6	5.1	6.1	7.9	6.1
HOVER (BURL TF-69)	7.1	5.3	5.8	5.7	5.1	6.0	7.8	6.1
PSG-GSD	7.0	5.2	5.7	5.6	5.1	6.1	7.9	6.1
NIGHTCRAWLER (IS-TF 285)	7.1	5.3	5.8	5.7	5.1	6.0	7.7	6.1
SWAGGER (PST-5R05)	7.0	5.2	5.7	5.6	5.1	6.0	7.8	6.1
MEMPHIS (GO-DFR)	7.0	5.2	5.7	5.6	5.1	6.0	7.8	6.1
IS-TF 272	7.0	5.2	5.7	5.6	5.0	5.9	7.7	6.0
PSG-8BP2	6.9	5.1	5.7	5.5	5.0	5.9	7.8	6.0
PST-5DZP	6.9	5.2	5.7	5.5	5.0	5.9	7.7	6.0
PSG-TT4	6.9	5.1	5.6	5.5	5.0	5.9	7.8	6.0
JS 819	6.9	5.1	5.6	5.5	5.0	5.9	7.8	6.0

TABLE 2. (CONT'D)

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

2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KY1	NE1	M01	IN1	GA1	MS1	TN1	MEAN
INSPIRATION (PST-R5NW)	6.9	5.1	5.6	5.4	5.0	5.9	7.8	6.0
BAR FA 121095	6.9	5.1	5.6	5.5	5.0	5.9	7.7	6.0
OLYMPUS (RAD-TF-88)	7.0	5.2	5.7	5.5	4.9	5.8	7.5	5.9
RAD-TF-92	7.0	5.2	5.7	5.5	4.9	5.8	7.5	5.9
FRONTLINE (EXP TF-09)	6.8	5.0	5.5	5.4	5.0	5.9	7.8	5.9
RAD-TF-83	6.8	5.1	5.6	5.4	4.9	5.8	7.6	5.9
AQUADUCT	6.7	4.9	5.5	5.3	4.9	5.8	7.7	5.8
JS 818	6.8	5.0	5.5	5.4	4.8	5.7	7.5	5.8
BAR FA 121091	6.7	4.9	5.5	5.3	4.9	5.8	7.7	5.8
JS 809	6.8	5.0	5.5	5.3	4.8	5.7	7.6	5.8
JS 825	6.7	4.9	5.4	5.3	4.9	5.8	7.7	5.8
BAR FA 121089	6.7	4.9	5.4	5.3	4.8	5.8	7.6	5.8
WARHAWK	6.6	4.9	5.4	5.2	4.9	5.8	7.7	5.8
K12-13	6.6	4.8	5.3	5.2	4.7	5.6	7.5	5.7
MARAUDER	6.6	4.8	5.3	5.2	4.7	5.6	7.5	5.7
204 RES. BLK4	6.6	4.8	5.3	5.2	4.7	5.6	7.4	5.6
ANNIHILATOR	6.5	4.8	5.3	5.1	4.6	5.5	7.4	5.6
COMP. RES. SST	6.6	4.8	5.3	5.1	4.6	5.5	7.3	5.6
BAR FA 120878	6.2	4.4	4.9	4.8	4.5	5.5	7.5	5.4
KY-31	5.1	3.3	3.9	3.7	3.4	4.4	6.4	4.3
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	6.7	8.9	8.1	8.3	9.2	7.9	6.1	7.7

\* 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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



TABLE 3.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	OK1	NAME	OK1
MICHELANGELO (LTP-F5DPDR)	4.6	ARES (PPG-TF-142)	4.4
PPG-TF-115	4.6	F711	4.4
GTO (BURL TF-2)	4.6	INSPIRATION (PST-R5NW)	4.4
FAITH	4.6	PPG-TF-169	4.4
AVENGER II (PPG-TF-156)	4.6	BIZEM	4.4
PST-5BRK	4.6	DYNAMITE LS (PPG-TF-145)	4.3
RHIZING MOON (IS-TF 305 SEL)	4.5	4TH MILLENNIUM SRP (U43)	4.3
PST-5EX2	4.5	K12-MCD	4.3
THOR (PPG-TF-157)	4.5	CATALYST	4.3
EMBRACE (PST-5EV2)	4.5	JS 819	4.3
MET-3	4.5	REBOUNDER (PICK-W43)	4.3
PST-5BPO	4.5	FRONTLINE (EXP TF-09)	4.3
LEONARDO (LTP-FSD)	4.5	RAPTOR III (ZW 44)	4.3
CROSSFIRE 4 (IS-TF 310 SEL)	4.5	PARAMOUNT (PPG-TF-137)	4.3
PPG-TF-135	4.5	PSG-P01	4.3
COMMANDER (PPG-TF-170)	4.5	REGENERATE	4.3
MET 1	4.5	TEMPLE (DZ1)	4.3
TITANIUM 2LS (PPG-TF-152)	4.5	PSG-TT4	4.3
SALTILLO (PST-5SALT)	4.4	FOXHOUND (IS-TF 284 M2)	4.3
FALCON IV	4.4	TURFWAY (IS-TF 282 M2)	4.3
MAESTRO (T31)	4.4	SCREAMER LS (PPG-TF-148)	4.3
TECHNIQUE (RZ2)	4.4	JS 825	4.3
HOUNDOG8 (IS-TF 307 SEL)	4.4	BLOODHOUND (MET 6 SEL)	4.3
GRANDE 3	4.4	PST-5MVD	4.3
W41	4.4	WARHAWK	4.3
FIREWALL (PSG-WE1)	4.4	K12-05	4.3
TERRANO	4.4	FIRECRACKER SLS (PPG-TF-105)	4.3
PPG-TF-138	4.4	ROCKWELL (LTP-TWUU)	4.3
WICHITA (PPG-TF-151)	4.4	FAYETTE (IS-TF 291)	4.3
FESNOVA	4.4	MEMPHIS (GO-DFR)	4.3
IS-TF 276 M2	4.4	RHAMBLER 2 SRP (LSD)	4.3
PPG-TF-172	4.4	IS-TF 308 SEL	4.3
PSG-GSD	4.4	ATF 1754	4.3
TRAVERSE 2 SRP (W45)	4.4	PSG-8BP2	4.2
CAESAR (TY 10)	4.4	IS-TF 269 SEL	4.2
IS-TF 311	4.4	HEMI	4.2
UNITUS (IS-TF 289)	4.4	DIABLO (IS-TF 330)	4.2
AMITY (CCR2)	4.4	AQUADUCT	4.2
RAIN DANCE (PST-5SDT)	4.4	BULLSEYE	4.2
TEMPTATION (OR-21)	4.4	ROWDY (SRX-TPC)	4.2
BLACK TAIL (PPG-TF-150)	4.4	SWAGGER (PST-5R05)	4.2
THUNDERSTRUCK (TD1)	4.4	JS 916	4.2
XTENDER (PPG-TF-139)	4.4	ATF 1736	4.2
REFLECTION (U45)	4.4	MERIDIAN (PST-5GRB)	4.2
FIREBIRD 2	4.4	BAR FA 120878	4.2

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/  
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	OK1
HOT ROD (BURL TF-136)	4.2
ATF 1704	4.2
RAD-TF-89	4.2
ATF 1612	4.2
BAR FA 121091	4.1
BAR FA 121095	4.1
PST-5DZP	4.1
FALCON V	4.1
BAR FA 121089	4.1
IS-TF-287	4.1
IS-TF 272	4.1
HOVER (BURL TF-69)	4.1
NIGHTCRAWLER (IS-TF 285)	4.1
KINGDOM (DB1)	4.1
B23	4.0
RAD-TF-83	4.0
JS 809	4.0
MARAUDER	3.9
K12-13	3.9
JS 818	3.9
ANNIHILATOR	3.8
OLYMPUS (RAD-TF-88)	3.8
204 RES. BLK4	3.8
RAD-TF-92	3.8
COMP. RES. SST	3.7
KY-31	3.2
LSD VALUE	0.8
C.V. (%)	11.2

\* ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE A" \*\*  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1	TN1	MEAN
AMITY (CCR2)	6.6	5.5	7.5	7.0	6.3	7.1	5.8	7.6	6.4	8.0	4.4	8.1	6.7
REGENERATE	6.7	5.6	7.8	7.6	6.3	6.5	5.9	7.1	6.9	7.9	4.1	7.7	6.7
4TH MILLENNIUM SRP (U43)	7.2	4.9	7.6	7.0	6.1	7.2	5.7	7.9	6.2	7.9	4.1	8.1	6.7
TRAVERSE 2 SRP (W45)	6.2	5.5	7.8	7.1	6.3	7.2	5.9	7.2	6.1	8.2	4.4	7.8	6.6
TECHNIQUE (RZ2)	7.2	5.6	7.3	7.0	6.3	7.4	5.7	7.4	5.4	7.8	4.8	7.8	6.6
MET 1	6.8	5.9	7.5	6.8	6.3	7.1	5.7	7.4	5.6	7.8	4.5	7.8	6.6
AVENGER II (PPG-TF-156)	6.0	5.8	7.1	6.8	6.5	6.6	6.0	7.4	5.8	7.7	5.3	8.3	6.6
REBOUNDER (PICK-W43)	7.1	5.4	7.6	7.1	6.2	6.5	5.7	6.9	6.4	7.9	4.3	8.1	6.6
RAPTOR III (ZW 44)	6.2	5.1	7.5	7.1	6.4	7.1	5.8	7.1	5.8	8.2	4.2	8.0	6.5
MAESTRO (T31)	7.0	5.6	7.2	7.1	6.3	6.6	5.7	7.3	5.3	7.6	4.8	7.9	6.5
COMMANDER (PPG-TF-170)	6.6	5.9	6.9	6.9	6.3	6.6	5.8	7.1	5.9	7.4	4.8	8.0	6.5
ROCKWELL (LTP-TWUU)	6.8	5.3	7.3	6.8	6.3	6.9	5.7	7.6	5.8	7.3	4.1	8.2	6.5
BIZEM	6.4	5.8	7.8	6.7	6.3	6.7	5.7	7.8	5.2	7.4	4.1	8.2	6.5
TITANIUM 2LS (PPG-TF-152)	6.5	6.1	7.1	6.3	6.1	7.2	5.5	7.1	5.9	7.8	4.2	8.1	6.5
REFLECTION (U45)	6.7	5.9	7.4	6.7	6.0	6.4	5.7	7.4	5.7	7.7	4.3	8.1	6.5
PPG-TF-135	6.3	5.5	7.6	6.8	6.4	6.8	5.5	7.3	5.9	7.3	4.7	7.9	6.5
FAYETTE (IS-TF 291)	6.4	5.4	7.7	6.5	6.1	5.9	5.6	7.4	6.0	7.9	4.7	8.1	6.5
TEMPLE (DZ1)	6.9	5.3	7.3	6.7	6.3	6.3	5.9	7.8	5.6	7.1	4.4	8.1	6.5
PARAMOUNT (PPG-TF-137)	6.6	5.4	7.1	6.7	6.3	6.9	5.6	7.0	5.9	7.7	4.7	7.9	6.5
THOR (PPG-TF-157)	6.5	5.3	7.7	6.5	6.4	6.4	5.5	7.2	6.4	6.8	4.9	8.0	6.5
F711	6.4	5.1	7.3	6.5	6.1	7.3	5.3	7.9	5.3	7.4	4.7	8.2	6.5
HOT ROD (BURL TF-136)	6.6	5.0	7.5	7.0	6.0	7.0	5.6	6.8	5.7	8.1	4.3	8.0	6.5
PSG-PO1	6.9	5.4	7.4	6.8	6.3	6.6	5.8	6.7	5.8	7.8	3.8	7.9	6.4
IS-TF 308 SEL	5.8	5.8	6.9	6.6	6.2	6.7	5.9	7.1	5.4	8.1	4.5	8.1	6.4
HEMI	6.4	5.8	7.4	6.6	6.2	6.5	5.6	6.9	5.4	8.3	4.3	7.8	6.4
MET-3	6.8	5.3	7.1	6.7	6.3	7.2	5.7	6.9	5.8	7.0	4.4	8.0	6.4
FIRECRACKER SLS (PPG-TF-105)	6.5	5.3	7.3	6.5	6.0	6.8	5.5	7.9	5.7	6.8	4.3	8.3	6.4
GTO (BURL TF-2)	6.7	6.1	7.3	6.6	6.1	6.6	5.6	6.6	5.3	7.1	4.6	8.3	6.4
SCREAMER LS (PPG-TF-148)	7.0	5.4	7.1	6.4	6.3	6.5	5.5	7.0	5.3	7.7	4.4	8.0	6.4
BLACK TAIL (PPG-TF-150)	6.9	5.2	7.4	6.3	6.3	6.7	5.7	7.3	5.4	7.1	4.5	7.9	6.4
PPG-TF-172	6.2	5.3	7.2	6.5	6.4	6.9	5.7	7.5	5.6	6.7	4.6	8.1	6.4
IS-TF 311	7.0	5.6	7.0	6.6	6.0	6.5	5.4	7.0	5.5	7.2	4.6	7.9	6.4
W41	6.5	5.4	7.4	6.6	6.3	6.4	5.6	7.4	5.0	7.3	4.3	8.0	6.3
B23	6.4	4.2	7.6	6.6	6.0	6.4	5.8	7.6	6.1	7.6	3.9	8.0	6.3
WICHITA (PPG-TF-151)	6.3	5.8	7.1	6.3	6.3	6.9	5.3	7.6	5.3	6.3	4.6	8.1	6.3
FIREWALL (PSG-WE1)	6.8	5.2	6.8	6.5	6.3	6.5	5.8	6.1	5.7	7.7	4.1	8.3	6.3
JS 916	6.4	5.4	7.2	6.5	6.3	6.4	5.6	7.3	5.1	7.4	4.2	7.9	6.3
EMBRACE (PST-5EV2)	6.3	5.9	7.2	6.3	6.1	6.2	5.3	7.5	5.1	6.4	5.6	7.8	6.3
PPG-TF-169	6.4	5.8	7.2	6.5	6.3	6.9	5.5	6.9	4.9	7.4	4.3	7.7	6.3
ROWDY (SRX-TPC)	6.4	5.1	6.9	6.8	6.0	6.5	5.5	7.5	5.5	6.7	4.6	8.2	6.3
ATF 1612	6.9	5.5	7.4	6.4	6.4	6.0	5.4	7.1	5.6	7.1	3.7	8.0	6.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.4	5.6	6.7	6.2	6.3	6.2	5.5	6.9	5.5	7.0	5.2	8.0	6.3
ATF 1704	6.6	5.9	6.4	6.0	6.3	6.6	5.4	7.9	5.0	7.1	4.1	8.1	6.3
BLOODHOUND (MET 6 SEL)	6.3	5.3	7.1	6.8	5.9	6.7	5.8	7.0	5.3	7.1	4.0	7.9	6.3

TABLE 4. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE A" \*\*  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1	TN1	MEAN
RHAMBLER 2 SRP (LSD)	6.1	5.0	7.3	6.7	5.6	6.5	5.5	7.6	5.0	6.8	5.0	8.1	6.3
FIREBIRD 2	6.2	5.9	6.8	6.4	6.3	6.0	5.4	7.1	5.5	6.4	4.5	8.2	6.2
XTENDER (PPG-TF-139)	6.6	5.8	7.3	5.9	6.0	6.4	5.6	6.6	4.9	7.2	4.4	8.3	6.2
IS-TF 269 SEL	6.1	5.3	7.6	6.3	6.3	6.3	5.5	6.5	5.7	7.0	3.9	8.1	6.2
FALCON V	7.1	5.2	7.4	6.3	5.8	6.3	5.8	7.0	5.0	7.1	4.0	7.7	6.2
DIABLO (IS-TF 330)	6.2	5.2	7.4	6.0	6.1	6.5	5.6	7.0	5.5	6.7	4.1	8.1	6.2
GRANDE 3	6.4	5.4	6.6	6.3	6.1	6.8	5.5	6.4	5.2	7.1	4.5	8.1	6.2
FAITH	6.5	5.6	7.2	6.0	6.5	6.5	5.7	6.0	5.2	6.7	4.6	8.0	6.2
HOUND0G8 (IS-TF 307 SEL)	5.9	5.2	7.2	6.0	6.3	6.6	5.3	7.3	4.9	6.6	4.9	8.1	6.2
FOXHOUND (IS-TF 284 M2)	5.8	5.4	7.4	6.0	6.3	6.1	5.6	6.6	5.2	7.0	4.4	8.3	6.2
LEONARDO (LTP-FSD)	6.3	5.3	6.9	6.4	6.3	6.7	5.3	7.0	5.0	5.9	4.7	8.1	6.2
MICHELANGELO (LTP-F5DPDR)	6.1	5.3	7.5	5.9	6.2	6.8	5.5	6.6	5.0	5.9	4.9	8.1	6.2
TURFWAY (IS-TF 282 M2)	6.0	5.8	6.9	5.9	6.4	6.2	5.2	6.9	5.2	6.7	4.5	8.1	6.1
RHIZING MOON (IS-TF 305 SEL)	6.4	5.8	7.2	5.9	6.2	5.8	5.8	6.2	4.6	6.9	4.4	8.3	6.1
MERIDIAN (PST-5GRB)	6.2	5.1	7.1	5.6	6.3	6.2	5.3	7.4	4.9	6.4	4.8	8.0	6.1
KINGDOM (DB1)	6.2	5.5	7.2	6.2	6.2	6.5	5.4	6.8	5.5	6.7	3.5	7.7	6.1
PPG-TF-138	6.0	5.2	7.3	5.5	6.3	6.3	5.6	6.3	4.9	7.0	4.5	8.0	6.1
K12-05	6.5	5.7	7.4	5.5	6.2	6.1	5.3	6.9	5.0	6.0	4.2	8.0	6.1
ATF 1754	5.9	5.6	7.2	6.0	6.3	6.3	5.6	6.4	5.3	6.6	3.7	7.8	6.1
CATALYST	6.3	4.4	7.4	6.3	5.9	6.8	5.6	7.2	4.7	6.2	4.1	7.9	6.1
UNITUS (IS-TF 289)	6.0	5.7	7.4	6.0	6.1	6.2	5.2	6.2	5.0	6.3	4.4	8.0	6.0
BULLSEYE	6.1	4.8	7.5	5.9	6.0	6.0	5.5	7.2	5.0	6.2	4.3	8.1	6.0
RAD-TF-89	6.4	4.9	7.6	5.8	6.3	6.4	5.4	6.7	4.9	6.4	4.0	7.6	6.0
RAD-TF-92	6.4	4.6	6.9	5.5	6.3	5.9	5.8	7.8	5.0	7.1	3.1	7.8	6.0
K12-MCD	6.2	5.5	6.7	5.6	6.2	6.1	5.2	7.2	4.9	6.0	5.0	7.6	6.0
IS-TF-287	6.2	5.1	6.4	5.8	6.1	5.8	5.3	7.3	4.8	6.8	4.6	8.0	6.0
FESNOVA	6.0	4.7	7.4	6.2	6.3	6.2	5.2	6.6	4.6	6.3	4.4	8.1	6.0
OLYMPUS (RAD-TF-88)	6.6	5.4	6.7	5.9	6.1	6.2	5.4	7.1	5.2	7.0	2.7	7.9	6.0
THUNDERSTRUCK (TD1)	6.3	5.3	7.4	5.4	6.4	6.2	5.4	5.9	5.2	6.2	4.0	8.0	6.0
HOVER (BURL TF-69)	6.8	4.6	6.6	5.8	6.4	6.2	6.0	6.6	4.7	6.9	3.2	7.7	6.0
PST-5MVD	6.0	5.6	7.0	5.8	6.3	6.2	5.3	6.8	4.4	6.1	4.3	7.7	6.0
TERRANO	6.5	4.9	7.1	6.1	6.1	6.1	5.0	6.8	4.7	5.2	5.0	7.9	5.9
NIGHTCRAWLER (IS-TF 285)	5.5	5.4	7.1	5.7	6.1	6.2	5.3	6.6	5.0	7.1	3.5	7.9	5.9
ATF 1736	6.1	5.4	6.9	6.0	6.1	5.7	5.2	6.2	4.7	6.6	4.4	7.8	5.9
PPG-TF-115	6.2	5.3	7.2	5.7	6.2	6.0	5.4	5.9	4.6	5.4	4.8	8.3	5.9
IS-TF 276 M2	6.2	5.4	7.3	5.6	6.0	6.5	5.2	5.9	4.5	6.2	4.1	8.0	5.9
PST-5BPO	5.9	5.9	7.0	6.0	5.9	6.5	5.3	6.2	4.5	5.4	4.4	7.7	5.9
IS-TF 272	6.2	4.6	7.3	5.9	6.4	5.6	5.3	5.7	4.9	6.7	4.0	8.1	5.9
PST-5BRK	5.2	5.8	7.3	6.3	6.0	6.3	5.3	6.2	4.4	5.1	4.6	8.0	5.9
SALTILLO (PST-5SALT)	5.6	5.1	6.9	6.0	5.9	5.9	5.2	6.5	4.3	5.7	5.0	8.1	5.9
ARES (PPG-TF-142)	6.1	5.4	7.3	5.0	5.8	5.8	5.3	5.7	4.7	6.9	4.3	7.9	5.8
SWAGGER (PST-5R05)	5.6	5.0	6.9	5.5	6.1	5.9	5.2	6.4	4.4	6.0	5.0	7.9	5.8
DYNAMITE LS (PPG-TF-145)	6.3	5.1	7.4	5.4	5.8	5.9	5.2	6.1	4.0	6.2	4.1	8.0	5.8
CAESAR (TY 10)	5.8	5.1	7.3	5.7	6.2	6.2	5.2	6.1	4.4	5.3	4.3	7.9	5.8
MEMPHIS (GO-DFR)	5.9	5.2	6.9	5.9	6.2	6.0	5.1	5.9	4.1	5.4	4.2	7.9	5.7

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE A" \*\*  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1	TN1	MEAN
PST-5EX2	6.1	5.8	6.7	5.2	6.1	6.6	5.4	5.3	3.5	5.6	4.5	7.9	5.7
PST-5DZP	5.9	4.9	6.8	5.2	5.8	5.9	5.2	6.4	4.6	5.6	4.4	7.6	5.7
RAIN DANCE (PST-5SDT)	5.6	5.5	6.9	5.2	6.1	6.3	5.0	5.8	4.1	5.4	4.6	7.6	5.7
BAR FA 121095	6.0	5.6	6.9	5.2	6.1	5.4	5.2	6.0	4.8	5.3	4.0	7.6	5.7
TEMPTATION (OR-21)	5.4	4.5	7.3	5.4	5.7	6.2	5.5	5.7	4.6	5.2	4.7	8.1	5.7
JS 818	6.2	3.9	6.9	5.0	6.1	5.7	5.2	6.7	5.0	5.4	4.0	7.4	5.6
PSG-GSD	5.9	4.8	6.8	5.1	6.1	6.0	5.2	5.9	3.9	5.2	4.6	7.9	5.6
RAD-TF-83	5.6	4.5	7.2	5.3	6.3	5.8	5.3	6.1	5.0	5.3	3.4	7.6	5.6
PSG-8BP2	6.0	4.9	6.4	4.9	5.8	5.7	5.1	5.6	4.5	5.4	4.7	7.5	5.5
JS 809	6.0	4.9	6.9	5.1	5.9	5.4	5.3	6.1	3.9	5.4	4.0	7.4	5.5
FALCON IV	6.4	4.8	6.9	5.2	5.8	5.9	5.2	5.5	3.6	5.0	4.3	7.7	5.5
204 RES. BLK4	6.8	4.5	5.6	5.0	6.1	5.6	5.1	6.1	4.0	5.6	3.3	8.3	5.5
PSG-TT4	5.8	5.1	6.4	5.5	5.9	5.8	5.1	5.0	4.2	5.0	3.9	7.8	5.5
K12-13	6.0	5.3	6.9	5.3	6.0	5.2	4.9	5.7	3.6	5.0	3.6	7.8	5.4
JS 819	6.5	4.8	6.7	4.7	5.8	5.6	5.1	5.0	4.1	4.8	4.5	7.5	5.4
COMP. RES. SST	5.8	5.1	6.5	4.7	5.9	5.5	5.0	5.5	4.7	5.6	3.0	7.8	5.4
INSPIRATION (PST-R5NW)	5.8	4.8	7.1	4.7	6.0	5.6	5.2	5.2	3.3	4.9	4.2	7.7	5.4
BAR FA 121089	5.5	4.8	6.6	5.1	5.8	5.9	5.0	5.0	4.1	5.0	3.8	7.7	5.4
FRONTLINE (EXP TF-09)	5.4	4.3	6.8	4.6	6.1	6.0	5.1	4.5	4.0	4.7	4.6	7.8	5.3
BAR FA 121091	5.9	4.6	6.6	5.4	5.8	5.8	5.1	5.3	3.7	4.2	3.7	7.5	5.3
AQUADUCT	5.9	4.1	6.3	4.7	5.8	6.5	5.0	4.8	3.4	4.8	4.6	7.6	5.3
ANNIHILATOR	6.2	4.6	5.9	4.2	5.9	5.8	4.6	4.8	4.0	5.7	3.2	7.9	5.2
WARHAWK	6.1	4.6	6.4	4.0	5.9	5.8	5.1	4.1	3.4	4.4	4.1	8.1	5.2
MARAUDER	6.0	4.4	5.8	4.3	5.9	5.5	5.0	5.0	4.0	5.0	3.0	7.9	5.2
JS 825	5.3	4.9	6.8	4.8	6.0	5.7	5.0	4.5	3.1	4.2	4.0	7.5	5.2
BAR FA 120878	4.8	4.6	6.1	3.6	5.1	5.3	4.5	1.9	2.0	3.0	3.9	7.3	4.3
KY-31	3.6	4.1	4.0	2.8	4.2	4.3	3.1	1.2	1.3	1.3	3.4	6.4	3.3
LSD VALUE	0.9	1.0	0.7	0.6	0.4	0.8	0.4	1.2	0.8	1.0	1.0	0.4	0.2
C.V. (%)	8.5	12.0	6.2	6.8	3.9	7.8	4.8	11.9	9.8	9.2	14.7	2.8	8.3

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

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
 GROWN AT SIX LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE B" \*  
 2015 DATA

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
4TH MILLENNIUM SRP (U43)	6.7	6.3	6.7	7.6	6.6	7.3	6.9
TITANIUM 2LS (PPG-TF-152)	7.1	6.5	6.3	7.5	6.2	7.2	6.8
W41	6.8	6.6	6.0	7.6	6.2	7.2	6.7
RAPTOR III (ZW 44)	6.6	6.6	6.2	7.4	6.2	7.5	6.7
AMITY (CCR2)	6.4	6.7	6.2	7.6	6.5	7.0	6.7
PPG-TF-135	7.1	6.8	6.0	7.3	6.5	6.8	6.7
TRAVERSE 2 SRP (W45)	6.1	6.4	5.9	7.4	7.2	7.3	6.7
REGENERATE	6.6	6.7	6.3	7.5	6.3	6.8	6.7
AVENGER II (PPG-TF-156)	6.7	6.6	6.1	7.5	6.3	6.9	6.7
COMMANDER (PPG-TF-170)	7.1	6.5	6.0	7.4	5.9	7.1	6.7
REFLECTION (U45)	6.8	6.3	6.3	7.4	6.1	7.0	6.7
MET 1	6.7	6.2	6.1	7.4	6.5	7.2	6.7
THOR (PPG-TF-157)	6.7	6.2	5.9	7.6	6.6	6.8	6.6
FIREWALL (PSG-WE1)	6.6	6.5	6.0	7.4	6.5	6.8	6.6
REBOUNDER (PICK-W43)	7.0	6.3	5.9	7.4	6.1	7.0	6.6
MET-3	6.3	6.5	5.7	7.5	6.3	7.4	6.6
F711	6.6	6.5	6.2	7.5	6.1	6.9	6.6
MAESTRO (T31)	6.8	6.7	6.1	7.3	6.4	6.2	6.6
HEMI	6.6	6.6	6.4	7.4	6.2	6.3	6.6
PSG-P01	6.8	6.0	5.9	7.3	6.8	6.8	6.6
FAYETTE (IS-TF 291)	6.8	6.3	6.3	7.4	5.6	7.0	6.6
CATALYST	6.3	6.2	6.1	7.3	6.3	7.2	6.6
IS-TF 311	6.9	6.0	6.1	7.3	6.6	6.4	6.6
B23	7.1	6.0	6.4	7.3	6.3	6.3	6.6
BLOODHOUND (MET 6 SEL)	6.3	6.5	6.0	7.3	6.2	7.0	6.5
RHIZING MOON (IS-TF 305 SEL)	7.0	6.3	6.0	7.4	6.2	6.4	6.5
GTO (BURL TF-2)	6.4	6.3	6.0	7.4	6.4	6.8	6.5
BIZEM	6.4	6.3	5.9	7.4	5.9	7.2	6.5
GRANDE 3	6.2	6.4	6.0	7.3	6.5	6.6	6.5
BLACK TAIL (PPG-TF-150)	6.6	6.4	5.7	7.5	6.0	6.8	6.5
FESNOVA	6.6	6.1	5.7	7.3	6.5	6.8	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	6.8	5.9	5.8	7.4	6.2	6.9	6.5
TECHNIQUE (RZ2)	6.4	6.1	5.9	7.3	6.4	6.8	6.5
IS-TF 308 SEL	6.3	6.4	5.8	7.4	5.8	7.1	6.5
PPG-TF-169	6.1	6.2	5.9	7.5	6.3	6.8	6.5
ARES (PPG-TF-142)	6.8	5.9	5.6	7.1	6.7	6.6	6.5
MICHELANGELO (LTP-F5DPDR)	6.6	6.5	5.9	7.3	5.9	6.6	6.4
HOUNDOG8 (IS-TF 307 SEL)	6.6	6.0	5.8	7.4	6.0	6.9	6.4
ROCKWELL (LTP-TWUU)	6.6	5.9	5.9	7.4	5.8	7.0	6.4
PARAMOUNT (PPG-TF-137)	6.4	6.3	6.0	7.4	5.8	6.6	6.4
PPG-TF-172	6.1	6.4	5.8	7.4	5.9	7.0	6.4
PPG-TF-138	6.3	6.0	6.0	7.5	6.2	6.5	6.4
FIRECRACKER SLS (PPG-TF-105)	6.7	6.1	6.3	7.1	5.6	6.5	6.4
FAITH	6.4	6.2	6.0	7.3	6.2	6.3	6.4

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE B" \*  
2015 DATA

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
HOT ROD (BURL TF-136)	6.1	6.1	6.3	7.5	5.9	6.5	6.4
SCREAMER LS (PPG-TF-148)	6.3	5.9	6.1	7.4	6.1	6.4	6.4
WICHITA (PPG-TF-151)	6.7	6.2	5.8	7.2	5.9	6.4	6.4
JS 916	5.8	6.4	5.8	7.4	6.1	6.8	6.4
TEMPLE (DZ1)	5.8	6.5	5.7	7.4	6.4	6.4	6.4
FIREBIRD 2	6.3	6.3	6.1	7.4	5.5	6.5	6.3
ROWDY (SRX-TPC)	6.2	6.3	5.9	7.3	5.8	6.5	6.3
EMBRACE (PST-5EV2)	6.1	5.9	6.0	7.3	6.2	6.5	6.3
RHAMBLER 2 SRP (LSD)	6.3	5.7	5.9	7.3	6.1	6.6	6.3
LEONARDO (LTP-FSD)	6.2	6.0	5.6	7.1	6.2	6.7	6.3
NIGHTCRAWLER (IS-TF 285)	6.8	6.0	6.0	7.2	5.7	6.2	6.3
PST-5BRK	6.4	5.9	5.9	7.1	5.6	7.0	6.3
BULLSEYE	6.1	6.1	5.8	7.4	6.2	6.1	6.3
SALTILLO (PST-5SALT)	5.9	5.8	5.9	7.3	6.0	6.8	6.3
IS-TF 269 SEL	6.2	5.9	6.2	7.2	6.1	6.1	6.3
HOVER (BURL TF-69)	6.2	6.0	5.7	7.1	5.6	7.0	6.3
ATF 1704	6.2	5.8	5.8	7.1	5.8	7.0	6.3
ATF 1754	5.7	6.1	5.8	7.1	6.0	6.8	6.3
ATF 1612	6.2	6.2	5.8	7.3	5.9	6.3	6.3
PST-5BP0	6.0	6.3	5.8	7.1	6.0	6.4	6.3
XTENDER (PPG-TF-139)	5.7	6.3	6.0	7.4	5.3	6.9	6.3
K12-MCD	6.4	5.9	5.7	7.0	6.0	6.6	6.3
PPG-TF-115	6.3	6.1	6.0	7.2	5.6	6.4	6.3
DIABLO (IS-TF 330)	6.4	6.1	5.7	7.1	6.3	5.8	6.3
DYNAMITE LS (PPG-TF-145)	5.9	6.0	5.8	7.2	5.9	6.8	6.3
IS-TF 276 M2	5.9	5.8	5.7	7.3	6.5	6.2	6.2
UNITUS (IS-TF 289)	6.5	6.3	5.9	7.3	5.5	6.0	6.2
FOXHOUND (IS-TF 284 M2)	6.4	5.9	5.6	7.1	5.8	6.6	6.2
FALCON V	6.1	6.0	5.8	7.2	5.9	6.2	6.2
THUNDERSTRUCK (TD1)	6.3	6.1	5.6	7.2	6.0	6.0	6.2
TURFWAY (IS-TF 282 M2)	6.1	5.7	5.9	7.2	5.5	6.7	6.2
IS-TF-287	6.3	5.9	5.5	7.6	5.6	6.2	6.2
FALCON IV	6.4	5.6	5.9	7.0	5.9	6.1	6.2
PST-5MVD	6.1	5.8	5.7	6.9	5.9	6.5	6.1
TERRANO	5.7	6.3	5.5	7.1	5.8	6.5	6.1
ATF 1736	5.8	6.0	5.7	7.3	5.4	6.5	6.1
KINGDOM (DB1)	6.3	6.0	5.8	7.3	5.5	6.0	6.1
CAESAR (TY 10)	5.9	6.0	5.7	7.0	5.8	6.3	6.1
RAD-TF-89	5.5	6.1	5.4	7.2	5.9	6.2	6.1
PSG-GSD	5.9	5.6	6.0	7.0	5.6	6.1	6.0
PSG-8BP2	5.9	5.6	5.8	7.0	5.9	6.0	6.0
OLYMPUS (RAD-TF-88)	6.1	6.0	5.7	7.2	5.4	5.8	6.0
PSG-TT4	6.0	5.8	5.7	7.0	5.5	6.2	6.0
TEMPTATION (OR-21)	5.6	5.7	5.4	7.3	6.3	5.8	6.0
MERIDIAN (PST-5GRB)	5.4	5.6	6.1	7.1	5.8	6.0	6.0

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE B" \*  
2015 DATA

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
RAD-TF-92	5.3	5.9	5.6	7.1	5.8	6.2	6.0
RAIN DANCE (PST-5SDT)	5.8	5.2	5.5	7.0	6.1	6.3	6.0
PST-5DZP	5.8	5.7	5.7	7.1	5.6	6.0	6.0
K12-05	5.8	5.7	5.4	7.1	5.8	6.0	6.0
PST-5EX2	5.9	5.7	5.5	6.9	5.8	5.9	6.0
MEMPHIS (GO-DFR)	5.8	5.7	5.8	7.1	5.5	5.6	5.9
SWAGGER (PST-5R05)	5.8	4.9	5.4	7.1	6.3	6.0	5.9
RAD-TF-83	5.6	5.7	5.6	7.0	5.6	5.9	5.9
IS-TF 272	5.8	5.7	5.6	7.1	5.6	5.5	5.9
INSPIRATION (PST-R5NW)	5.5	5.5	5.6	6.9	5.8	6.0	5.9
JS 818	5.8	5.8	5.4	7.0	5.6	5.6	5.9
JS 819	5.6	5.8	5.5	6.9	5.5	5.8	5.8
BAR FA 121095	5.5	5.4	5.5	7.1	5.9	5.4	5.8
BAR FA 121091	5.4	5.6	5.3	6.9	5.5	5.8	5.7
MARAUDER	5.0	5.7	5.2	6.8	5.8	5.8	5.7
BAR FA 121089	5.4	5.3	4.9	6.9	5.6	6.1	5.7
JS 809	5.3	5.6	5.4	6.9	5.3	5.5	5.7
AQUADUCT	5.2	5.0	5.7	6.8	4.9	6.5	5.7
FRONTLINE (EXP TF-09)	5.2	5.5	5.4	6.9	5.3	5.7	5.7
JS 825	5.2	5.3	5.2	6.8	5.5	5.7	5.6
ANNIHILATOR	5.6	5.2	5.3	6.9	5.1	5.3	5.6
WARHAWK	5.2	5.5	4.6	6.7	5.2	5.8	5.5
COMP. RES. SST	5.2	5.3	4.9	6.8	5.4	5.1	5.4
204 RES. BLK4	5.4	5.0	4.6	6.8	5.3	5.3	5.4
K12-13	5.0	5.3	4.9	6.9	5.3	4.5	5.3
BAR FA 120878	4.8	4.3	5.1	6.2	4.8	5.9	5.2
KY-31	2.8	3.2	4.0	4.1	3.8	5.5	3.9
LSD VALUE	0.8	0.6	0.5	0.3	0.9	1.0	0.3
C.V. (%)	8.0	6.2	5.5	2.4	9.0	9.2	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 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

NAME	CT1	NJ1	NJ2	PA1	MEAN
4TH MILLENNIUM SRP (U43)	6.7	7.9	6.2	7.9	7.2
REGENERATE	6.6	7.1	6.9	7.9	7.1
AMITY (CCR2)	6.4	7.6	6.4	8.0	7.1
B23	7.1	7.6	6.1	7.6	7.1
REBOUNDER (PICK-W43)	7.0	6.9	6.4	7.9	7.0
FAYETTE (IS-TF 291)	6.8	7.4	6.0	7.9	7.0
TITANIUM 2LS (PPG-TF-152)	7.1	7.1	5.9	7.8	7.0
RAPTOR III (ZW 44)	6.6	7.1	5.8	8.2	6.9
REFLECTION (U45)	6.8	7.4	5.7	7.7	6.9
TRAVERSE 2 SRP (W45)	6.1	7.2	6.1	8.2	6.9
MET 1	6.7	7.4	5.6	7.8	6.9
PPG-TF-135	7.1	7.3	5.9	7.3	6.9
AVENGER II (PPG-TF-156)	6.7	7.4	5.8	7.7	6.9
COMMANDER (PPG-TF-170)	7.1	7.1	5.9	7.4	6.9
ROCKWELL (LTP-TWUU)	6.6	7.6	5.8	7.3	6.8
HEMI	6.6	6.9	5.4	8.3	6.8
F711	6.6	7.9	5.3	7.4	6.8
THOR (PPG-TF-157)	6.7	7.2	6.4	6.8	6.8
PSG-PO1	6.8	6.7	5.8	7.8	6.8
FIRECRACKER SLS (PPG-TF-105)	6.7	7.9	5.7	6.8	6.8
PARAMOUNT (PPG-TF-137)	6.4	7.0	5.9	7.7	6.7
TECHNIQUE (RZ2)	6.4	7.4	5.4	7.8	6.7
IS-TF 308 SEL	6.3	7.1	5.4	8.1	6.7
MAESTRO (T31)	6.8	7.3	5.3	7.6	6.7
BIZEM	6.4	7.8	5.2	7.4	6.7
HOT ROD (BURL TF-136)	6.1	6.8	5.7	8.1	6.6
IS-TF 311	6.9	7.0	5.5	7.2	6.6
W41	6.8	7.4	5.0	7.3	6.6
BLACK TAIL (PPG-TF-150)	6.6	7.3	5.4	7.1	6.6
SCREAMER LS (PPG-TF-148)	6.3	7.0	5.3	7.7	6.6
TEMPLE (DZ1)	5.8	7.8	5.6	7.1	6.6
ATF 1704	6.2	7.9	5.0	7.1	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	6.8	6.9	5.5	7.0	6.5
FIREWALL (PSG-WE1)	6.6	6.1	5.7	7.7	6.5
MET-3	6.3	6.9	5.8	7.0	6.5
ATF 1612	6.2	7.1	5.6	7.1	6.5
WICHITA (PPG-TF-151)	6.7	7.6	5.3	6.3	6.5
ROWDY (SRX-TPC)	6.2	7.5	5.5	6.7	6.5
PPG-TF-172	6.1	7.5	5.6	6.7	6.5
BLOODHOUND (MET 6 SEL)	6.3	7.0	5.3	7.1	6.4
JS 916	5.8	7.3	5.1	7.4	6.4
DIABLO (IS-TF 330)	6.4	7.0	5.5	6.7	6.4
RHAMBLER 2 SRP (LSD)	6.3	7.6	5.0	6.8	6.4
NIGHTCRAWLER (IS-TF 285)	6.8	6.6	5.0	7.1	6.4

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

NAME	CT1	NJ1	NJ2	PA1	MEAN
FIREBIRD 2	6.3	7.1	5.5	6.4	6.3
OLYMPUS (RAD-TF-88)	6.1	7.1	5.2	7.0	6.3
GTO (BURL TF-2)	6.4	6.6	5.3	7.1	6.3
PPG-TF-169	6.1	6.9	4.9	7.4	6.3
IS-TF 269 SEL	6.2	6.5	5.7	7.0	6.3
HOUNDOG8 (IS-TF 307 SEL)	6.6	7.3	4.9	6.6	6.3
KINGDOM (DB1)	6.3	6.8	5.5	6.7	6.3
FALCON V	6.1	7.0	5.0	7.1	6.3
RAD-TF-92	5.3	7.8	5.0	7.1	6.3
FOXHOUND (IS-TF 284 M2)	6.4	6.6	5.2	7.0	6.3
IS-TF-287	6.3	7.3	4.8	6.8	6.3
EMBRACE (PST-5EV2)	6.1	7.5	5.1	6.4	6.3
GRANDE 3	6.2	6.4	5.2	7.1	6.2
TURFWAY (IS-TF 282 M2)	6.1	6.9	5.2	6.7	6.2
RHIZING MOON (IS-TF 305 SEL)	7.0	6.2	4.6	6.9	6.2
BULLSEYE	6.1	7.2	5.0	6.2	6.1
K12-MCD	6.4	7.2	4.9	6.0	6.1
PPG-TF-138	6.3	6.3	4.9	7.0	6.1
XTENDER (PPG-TF-139)	5.7	6.6	4.9	7.2	6.1
CATALYST	6.3	7.2	4.7	6.2	6.1
HOVER (BURL TF-69)	6.2	6.6	4.7	6.9	6.1
FAITH	6.4	6.0	5.2	6.7	6.1
MERIDIAN (PST-5GRB)	5.4	7.4	4.9	6.4	6.0
FESNOVA	6.6	6.6	4.6	6.3	6.0
MICHELANGELO (LTP-F5DPDR)	6.6	6.6	5.0	5.9	6.0
ARES (PPG-TF-142)	6.8	5.7	4.7	6.9	6.0
ATF 1754	5.7	6.4	5.3	6.6	6.0
UNITUS (IS-TF 289)	6.5	6.2	5.0	6.3	6.0
LEONARDO (LTP-FSD)	6.2	7.0	5.0	5.9	6.0
K12-05	5.8	6.9	5.0	6.0	5.9
THUNDERSTRUCK (TD1)	6.3	5.9	5.2	6.2	5.9
RAD-TF-89	5.5	6.7	4.9	6.4	5.9
PST-5MVD	6.1	6.8	4.4	6.1	5.9
ATF 1736	5.8	6.2	4.7	6.6	5.8
IS-TF 272	5.8	5.7	4.9	6.7	5.8
JS 818	5.8	6.7	5.0	5.4	5.7
SWAGGER (PST-5R05)	5.8	6.4	4.4	6.0	5.6
IS-TF 276 M2	5.9	5.9	4.5	6.2	5.6
SALTILLO (PST-5SALT)	5.9	6.5	4.3	5.7	5.6
PST-5DZP	5.8	6.4	4.6	5.6	5.6
TERRANO	5.7	6.8	4.7	5.2	5.6
DYNAMITE LS (PPG-TF-145)	5.9	6.1	4.0	6.2	5.6
PPG-TF-115	6.3	5.9	4.6	5.4	5.6
PST-5BPO	6.0	6.2	4.5	5.4	5.5
PST-5BRK	6.4	6.2	4.4	5.1	5.5

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTHEAST REGION  
2015 DATA

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

NAME	CT1	NJ1	NJ2	PA1	MEAN
RAD-TF-83	5.6	6.1	5.0	5.3	5.5
CAESAR (TY 10)	5.9	6.1	4.4	5.3	5.4
BAR FA 121095	5.5	6.0	4.8	5.3	5.4
PSG-8BP2	5.9	5.6	4.5	5.4	5.4
MEMPHIS (GO-DFR)	5.8	5.9	4.1	5.4	5.3
RAIN DANCE (PST-5SDT)	5.8	5.8	4.1	5.4	5.3
204 RES. BLK4	5.4	6.1	4.0	5.6	5.3
TEMPTATION (OR-21)	5.6	5.7	4.6	5.2	5.3
PSG-GSD	5.9	5.9	3.9	5.2	5.2
COMP. RES. SST	5.2	5.5	4.7	5.6	5.2
JS 809	5.3	6.1	3.9	5.4	5.2
FALCON IV	6.4	5.5	3.6	5.0	5.1
PST-5EX2	5.9	5.3	3.5	5.6	5.1
PSG-TT4	6.0	5.0	4.2	5.0	5.0
ANNIHILATOR	5.6	4.8	4.0	5.7	5.0
BAR FA 121089	5.4	5.0	4.1	5.0	4.9
JS 819	5.6	5.0	4.1	4.8	4.9
K12-13	5.0	5.7	3.6	5.0	4.8
MARAUDER	5.0	5.0	4.0	5.0	4.7
INSPIRATION (PST-R5NW)	5.5	5.2	3.3	4.9	4.7
BAR FA 121091	5.4	5.3	3.7	4.2	4.6
FRONTLINE (EXP TF-09)	5.2	4.5	4.0	4.7	4.6
AQUADUCT	5.2	4.8	3.4	4.8	4.5
WARHAWK	5.2	4.1	3.4	4.4	4.3
JS 825	5.2	4.5	3.1	4.2	4.3
BAR FA 120878	4.8	1.9	2.0	3.0	2.9
KY-31	2.8	1.2	1.3	1.3	1.7

LSD VALUE 0.8 1.2 0.8 1.0 0.5

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

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

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

NAME	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
TRAVERSE 2 SRP (W45)	7.4	7.1	7.2	7.2	7.8	7.3	7.3
4TH MILLENNIUM SRP (U43)	7.6	7.0	6.6	7.2	8.1	7.3	7.3
AMITY (CCR2)	7.6	7.0	6.5	7.1	8.1	7.0	7.2
RAPTOR III (ZW 44)	7.4	7.1	6.2	7.1	8.0	7.5	7.2
MET-3	7.5	6.7	6.3	7.2	8.0	7.4	7.2
MET 1	7.4	6.8	6.5	7.1	7.8	7.2	7.1
TECHNIQUE (RZ2)	7.3	7.0	6.4	7.4	7.8	6.8	7.1
F711	7.5	6.5	6.1	7.3	8.2	6.9	7.1
TITANIUM 2LS (PPG-TF-152)	7.5	6.3	6.2	7.2	8.1	7.2	7.1
AVENGER II (PPG-TF-156)	7.5	6.8	6.3	6.6	8.3	6.9	7.1
REGENERATE	7.5	7.6	6.3	6.5	7.7	6.8	7.1
REBOUNDER (PICK-W43)	7.4	7.1	6.1	6.5	8.1	7.0	7.0
GTO (BURL TF-2)	7.4	6.6	6.4	6.6	8.3	6.8	7.0
ROCKWELL (LTP-TWUU)	7.4	6.8	5.8	6.9	8.2	7.0	7.0
BIZEM	7.4	6.7	5.9	6.7	8.2	7.2	7.0
PSG-PO1	7.3	6.8	6.8	6.6	7.9	6.8	7.0
W41	7.6	6.6	6.2	6.4	8.0	7.2	7.0
FIREWALL (PSG-WE1)	7.4	6.5	6.5	6.5	8.3	6.8	7.0
PPG-TF-135	7.3	6.8	6.5	6.8	7.9	6.8	7.0
THOR (PPG-TF-157)	7.6	6.5	6.6	6.4	8.0	6.8	7.0
BLOODHOUND (MET 6 SEL)	7.3	6.8	6.2	6.7	7.9	7.0	7.0
COMMANDER (PPG-TF-170)	7.4	6.9	5.9	6.6	8.0	7.1	7.0
HOT ROD (BURL TF-136)	7.5	7.0	5.9	7.0	8.0	6.5	7.0
REFLECTION (U45)	7.4	6.7	6.1	6.4	8.1	7.0	7.0
GRANDE 3	7.3	6.3	6.5	6.8	8.1	6.6	7.0
CATALYST	7.3	6.3	6.3	6.8	7.9	7.2	7.0
PPG-TF-172	7.4	6.5	5.9	6.9	8.1	7.0	6.9
IS-TF 308 SEL	7.4	6.6	5.8	6.7	8.1	7.1	6.9
MAESTRO (T31)	7.3	7.1	6.4	6.6	7.9	6.2	6.9
PPG-TF-169	7.5	6.5	6.3	6.9	7.7	6.8	6.9
IS-TF 311	7.3	6.6	6.6	6.5	7.9	6.4	6.9
RHAMBLER 2 SRP (LSD)	7.3	6.7	6.1	6.5	8.1	6.6	6.9
PARAMOUNT (PPG-TF-137)	7.4	6.7	5.8	6.9	7.9	6.6	6.9
BLACK TAIL (PPG-TF-150)	7.5	6.3	6.0	6.7	7.9	6.8	6.9
TEMPLE (DZ1)	7.4	6.7	6.4	6.3	8.1	6.4	6.9
FESNOVA	7.3	6.2	6.5	6.2	8.1	6.8	6.9
LEONARDO (LTP-FSD)	7.1	6.4	6.2	6.7	8.1	6.7	6.9
ROWDY (SRX-TPC)	7.3	6.8	5.8	6.5	8.2	6.5	6.8
HOUNDOG8 (IS-TF 307 SEL)	7.4	6.0	6.0	6.6	8.1	6.9	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	7.4	6.2	6.2	6.2	8.0	6.9	6.8
JS 916	7.4	6.5	6.1	6.4	7.9	6.8	6.8
HEMI	7.4	6.6	6.2	6.5	7.8	6.3	6.8
B23	7.3	6.6	6.3	6.4	8.0	6.3	6.8
WICHITA (PPG-TF-151)	7.2	6.3	5.9	6.9	8.1	6.4	6.8
SCREAMER LS (PPG-TF-148)	7.4	6.4	6.1	6.5	8.0	6.4	6.8

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

NAME	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
FIRECRACKER SLS (PPG-TF-105)	7.1	6.5	5.6	6.8	8.3	6.5	6.8
ATF 1704	7.1	6.0	5.8	6.6	8.1	7.0	6.8
MICHELANGELO (LTP-F5DPDR)	7.3	5.9	5.9	6.8	8.1	6.6	6.8
FAYETTE (IS-TF 291)	7.4	6.5	5.6	5.9	8.1	7.0	6.7
EMBRACE (PST-5EV2)	7.3	6.3	6.2	6.2	7.8	6.5	6.7
FAITH	7.3	6.0	6.2	6.5	8.0	6.3	6.7
PST-5BRK	7.1	6.3	5.6	6.3	8.0	7.0	6.7
ATF 1754	7.1	6.0	6.0	6.3	7.8	6.8	6.7
XTENDER (PPG-TF-139)	7.4	5.9	5.3	6.4	8.3	6.9	6.7
SALTILLO (PST-5SALT)	7.3	6.0	6.0	5.9	8.1	6.8	6.7
IS-TF 269 SEL	7.2	6.3	6.1	6.3	8.1	6.1	6.7
IS-TF 276 M2	7.3	5.6	6.5	6.5	8.0	6.2	6.7
FIREBIRD 2	7.4	6.4	5.5	6.0	8.2	6.5	6.7
PPG-TF-138	7.5	5.5	6.2	6.3	8.0	6.5	6.7
DIABLO (IS-TF 330)	7.1	6.0	6.3	6.5	8.1	5.8	6.7
RHIZING MOON (IS-TF 305 SEL)	7.4	5.9	6.2	5.8	8.3	6.4	6.7
FOXHOUND (IS-TF 284 M2)	7.1	6.0	5.8	6.1	8.3	6.6	6.6
ATF 1612	7.3	6.4	5.9	6.0	8.0	6.3	6.6
BULLSEYE	7.4	5.9	6.2	6.0	8.1	6.1	6.6
PST-5BPO	7.1	6.0	6.0	6.5	7.7	6.4	6.6
TURFWAY (IS-TF 282 M2)	7.2	5.9	5.5	6.2	8.1	6.7	6.6
FALCON V	7.2	6.3	5.9	6.3	7.7	6.2	6.6
HOVER (BURL TF-69)	7.1	5.8	5.6	6.2	7.7	7.0	6.6
TERRANO	7.1	6.1	5.8	6.1	7.9	6.5	6.6
DYNAMITE LS (PPG-TF-145)	7.2	5.4	5.9	5.9	8.0	6.8	6.5
PPG-TF-115	7.2	5.7	5.6	6.0	8.3	6.4	6.5
KINGDOM (DB1)	7.3	6.2	5.5	6.5	7.7	6.0	6.5
RAD-TF-89	7.2	5.8	5.9	6.4	7.6	6.2	6.5
TEMPTATION (OR-21)	7.3	5.4	6.3	6.2	8.1	5.8	6.5
ARES (PPG-TF-142)	7.1	5.0	6.7	5.8	7.9	6.6	6.5
PST-5MVD	6.9	5.8	5.9	6.2	7.7	6.5	6.5
UNITUS (IS-TF 289)	7.3	6.0	5.5	6.2	8.0	6.0	6.5
IS-TF-287	7.6	5.8	5.6	5.8	8.0	6.2	6.5
K12-MCD	7.0	5.6	6.0	6.1	7.6	6.6	6.5
CAESAR (TY 10)	7.0	5.7	5.8	6.2	7.9	6.3	6.5
NIGHTCRAWLER (IS-TF 285)	7.2	5.7	5.7	6.2	7.9	6.2	6.5
THUNDERSTRUCK (TD1)	7.2	5.4	6.0	6.2	8.0	6.0	6.5
ATF 1736	7.3	6.0	5.4	5.7	7.8	6.5	6.5
SWAGGER (PST-5R05)	7.1	5.5	6.3	5.9	7.9	6.0	6.4
MERIDIAN (PST-5GRB)	7.1	5.6	5.8	6.2	8.0	6.0	6.4
RAIN DANCE (PST-5SDT)	7.0	5.2	6.1	6.3	7.6	6.3	6.4
K12-05	7.1	5.5	5.8	6.1	8.0	6.0	6.4
RAD-TF-92	7.1	5.5	5.8	5.9	7.8	6.2	6.4
PST-5EX2	6.9	5.2	5.8	6.6	7.9	5.9	6.4

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS 1/  
IN THE TRANSITION REGION  
2015 DATA

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

NAME	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
OLYMPUS (RAD-TF-88)	7.2	5.9	5.4	6.2	7.9	5.8	6.4
MEMPHIS (GO-DFR)	7.1	5.9	5.5	6.0	7.9	5.6	6.3
FALCON IV	7.0	5.2	5.9	5.9	7.7	6.1	6.3
IS-TF 272	7.1	5.9	5.6	5.6	8.1	5.5	6.3
PSG-TT4	7.0	5.5	5.5	5.8	7.8	6.2	6.3
PSG-GSD	7.0	5.1	5.6	6.0	7.9	6.1	6.3
PST-5DZP	7.1	5.2	5.6	5.9	7.6	6.0	6.2
BAR FA 121089	6.9	5.1	5.6	5.9	7.7	6.1	6.2
RAD-TF-83	7.0	5.3	5.6	5.8	7.6	5.9	6.2
BAR FA 121091	6.9	5.4	5.5	5.8	7.5	5.8	6.2
AQUADUCT	6.8	4.7	4.9	6.5	7.6	6.5	6.2
PSG-8BP2	7.0	4.9	5.9	5.7	7.5	6.0	6.2
BAR FA 121095	7.1	5.2	5.9	5.4	7.6	5.4	6.1
INSPIRATION (PST-R5NW)	6.9	4.7	5.8	5.6	7.7	6.0	6.1
JS 818	7.0	5.0	5.6	5.7	7.4	5.6	6.1
204 RES. BLK4	6.8	5.0	5.3	5.6	8.3	5.3	6.0
FRONTLINE (EXP TF-09)	6.9	4.6	5.3	6.0	7.8	5.7	6.0
JS 819	6.9	4.7	5.5	5.6	7.5	5.8	6.0
JS 825	6.8	4.8	5.5	5.7	7.5	5.7	6.0
MARAUDER	6.8	4.3	5.8	5.5	7.9	5.8	6.0
JS 809	6.9	5.1	5.3	5.4	7.4	5.5	5.9
WARHAWK	6.7	4.0	5.2	5.8	8.1	5.8	5.9
COMP. RES. SST	6.8	4.7	5.4	5.5	7.8	5.1	5.9
ANNIHILATOR	6.9	4.2	5.1	5.8	7.9	5.3	5.9
K12-13	6.9	5.3	5.3	5.2	7.8	4.5	5.8
BAR FA 120878	6.2	3.6	4.8	5.3	7.3	5.9	5.5
KY-31	4.1	2.8	3.8	4.3	6.4	5.5	4.5
LSD VALUE	0.3	0.6	0.9	0.8	0.4	1.0	0.3
C.V. (%)	2.4	6.8	9.0	7.8	2.8	9.2	6.5

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 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWO LOCATIONS 1/  
IN THE SOUTHEAST REGION  
2015 DATA

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

NAME	GA1	MS1	MEAN	NAME	GA1	MS1	MEAN
AVENGER II (PPG-TF-156)	5.8	6.5	6.1	W41	5.4	6.3	5.8
MET 1	5.9	6.3	6.1	IS-TF 269 SEL	5.3	6.3	5.8
TITANIUM 2LS (PPG-TF-152)	6.1	6.1	6.1	MET-3	5.3	6.3	5.8
FIREBIRD 2	5.9	6.3	6.1	TEMPLE (DZ1)	5.3	6.3	5.8
WICHITA (PPG-TF-151)	5.8	6.3	6.1	THUNDERSTRUCK (TD1)	5.3	6.4	5.8
COMMANDER (PPG-TF-170)	5.9	6.3	6.1	RAIN DANCE (PST-5SDT)	5.5	6.1	5.8
TURFWAY (IS-TF 282 M2)	5.8	6.4	6.1	REBOUNDER (PICK-W43)	5.4	6.2	5.8
GTO (BURL TF-2)	6.1	6.1	6.1	ATF 1736	5.4	6.1	5.8
PPG-TF-169	5.8	6.3	6.1	IS-TF 311	5.6	6.0	5.8
ATF 1704	5.9	6.3	6.1	NIGHTCRAWLER (IS-TF 285)	5.4	6.1	5.8
FAITH	5.6	6.5	6.0	ROCKWELL (LTP-TWUU)	5.3	6.3	5.8
IS-TF 308 SEL	5.8	6.2	6.0	RAPTOR III (ZW 44)	5.1	6.4	5.8
BIZEM	5.8	6.3	6.0	FAYETTE (IS-TF 291)	5.4	6.1	5.8
EMBRACE (PST-5EV2)	5.9	6.1	6.0	FIREWALL (PSG-WE1)	5.2	6.3	5.8
HEMI	5.8	6.2	6.0	HOUNDOGB (IS-TF 307 SEL)	5.2	6.3	5.8
RHIZING MOON (IS-TF 305 SEL)	5.8	6.2	6.0	PPG-TF-138	5.2	6.3	5.8
TECHNIQUE (RZ2)	5.6	6.3	6.0	GRANDE 3	5.4	6.1	5.7
REGENERATE	5.6	6.3	6.0	MICHELANGELO (LTP-F5DPDR)	5.3	6.2	5.7
ATF 1612	5.5	6.4	5.9	PPG-TF-115	5.3	6.2	5.7
ATF 1754	5.6	6.3	5.9	BLACK TAIL (PPG-TF-150)	5.2	6.3	5.7
CROSSFIRE 4 (IS-TF 310 SEL)	5.6	6.3	5.9	OLYMPUS (RAD-TF-88)	5.4	6.1	5.7
K12-05	5.7	6.2	5.9	MEMPHIS (GO-DFR)	5.2	6.2	5.7
MAESTRO (T31)	5.6	6.3	5.9	MERIDIAN (PST-5GRB)	5.1	6.3	5.7
PPG-TF-135	5.5	6.4	5.9	FIRECRACKER SLS (PPG-TF-105)	5.3	6.0	5.7
AMITY (CCR2)	5.5	6.3	5.9	IS-TF 276 M2	5.4	6.0	5.7
REFLECTION (U45)	5.9	6.0	5.9	K12-13	5.3	6.0	5.7
PST-5EX2	5.8	6.1	5.9	CAESAR (TY 10)	5.1	6.2	5.7
PST-5MVD	5.6	6.3	5.9	BLOODHOUND (MET 6 SEL)	5.3	5.9	5.6
UNITUS (IS-TF 289)	5.7	6.1	5.9	DIABLO (IS-TF 330)	5.2	6.1	5.6
TRAVERSE 2 SRP (W45)	5.5	6.3	5.9	F711	5.1	6.1	5.6
PST-5BPO	5.9	5.9	5.9	ARES (PPG-TF-142)	5.4	5.8	5.6
PST-5BRK	5.8	6.0	5.9	IS-TF-287	5.1	6.1	5.6
PSG-P01	5.4	6.3	5.9	RAD-TF-89	4.9	6.3	5.6
JS 916	5.4	6.3	5.9	SALTILLO (PST-5SALT)	5.1	5.9	5.5
XTENDER (PPG-TF-139)	5.8	6.0	5.9	COMP. RES. SST	5.1	5.9	5.5
PPG-TF-172	5.3	6.4	5.9	ROWDY (SRX-TPC)	5.1	6.0	5.5
THOR (PPG-TF-157)	5.3	6.4	5.9	PSG-TT4	5.1	5.9	5.5
K12-MCD	5.5	6.2	5.8	SWAGGER (PST-5R05)	5.0	6.1	5.5
KINGDOM (DB1)	5.5	6.2	5.8	HOT ROD (BURL TF-136)	5.0	6.0	5.5
PARAMOUNT (PPG-TF-137)	5.4	6.3	5.8	HOVER (BURL TF-69)	4.6	6.4	5.5
BAR FA 121095	5.6	6.1	5.8	4TH MILLENNIUM SRP (U43)	4.9	6.1	5.5
SCREAMER LS (PPG-TF-148)	5.4	6.3	5.8	FALCON V	5.2	5.8	5.5
FOXHOUND (IS-TF 284 M2)	5.4	6.3	5.8	FESNOVA	4.7	6.3	5.5
LEONARDO (LTP-FSD)	5.3	6.3	5.8	RAD-TF-92	4.6	6.3	5.5
				TERRANO	4.9	6.1	5.5

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT TWO LOCATIONS 1/  
IN THE SOUTHEAST REGION  
2015 DATA

TABLE 8. TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/  
(CONT'D)

NAME	GA1	MS1	MEAN
IS-TF 272	4.6	6.4	5.5
DYNAMITE LS (PPG-TF-145)	5.1	5.8	5.5
PSG-GSD	4.8	6.1	5.5
JS 825	4.9	6.0	5.4
JS 809	4.9	5.9	5.4
BULLSEYE	4.8	6.0	5.4
RAD-TF-83	4.5	6.3	5.4
INSPIRATION (PST-R5NW)	4.8	6.0	5.4
PST-5DZP	4.9	5.8	5.4
PSG-8BP2	4.9	5.8	5.3
BAR FA 121089	4.8	5.8	5.3
JS 819	4.8	5.8	5.3
RHAMBLER 2 SRP (LSD)	5.0	5.6	5.3
204 RES. BLK4	4.5	6.1	5.3
FALCON IV	4.8	5.8	5.3
WARHAWK	4.6	5.9	5.3
ANNIHILATOR	4.6	5.9	5.2
BAR FA 121091	4.6	5.8	5.2
FRONTLINE (EXP TF-09)	4.3	6.1	5.2
MARAUDER	4.4	5.9	5.2
CATALYST	4.4	5.9	5.1
TEMPTATION (OR-21)	4.5	5.7	5.1
B23	4.2	6.0	5.1
JS 818	3.9	6.1	5.0
AQUADUCT	4.1	5.8	4.9
BAR FA 120878	4.6	5.1	4.9
KY-31	4.1	4.2	4.2
LSD VALUE	1.0	0.4	0.5
C.V. (%)	12.0	3.9	8.4

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

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



TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
GROWN AT FOUR LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2015 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
REGENERATE	7.8	6.7	6.3	5.9	6.7
4TH MILLENNIUM SRP (U43)	7.6	6.3	6.7	5.7	6.6
AMITY (CCR2)	7.5	6.7	6.2	5.8	6.5
RAPTOR III (ZW 44)	7.5	6.6	6.2	5.8	6.5
TRAVERSE 2 SRP (W45)	7.8	6.4	5.9	5.9	6.5
HEMI	7.4	6.6	6.4	5.6	6.5
FAYETTE (IS-TF 291)	7.7	6.3	6.3	5.6	6.5
AVENGER II (PPG-TF-156)	7.1	6.6	6.1	6.0	6.5
PPG-TF-135	7.6	6.8	6.0	5.5	6.5
REFLECTION (U45)	7.4	6.3	6.3	5.7	6.5
B23	7.6	6.0	6.4	5.8	6.4
MAESTRO (T31)	7.2	6.7	6.1	5.7	6.4
BIZEM	7.8	6.3	5.9	5.7	6.4
W41	7.4	6.6	6.0	5.6	6.4
REBOUNDER (PICK-W43)	7.6	6.3	5.9	5.7	6.4
HOT ROD (BURL TF-136)	7.5	6.1	6.3	5.6	6.4
MET 1	7.5	6.2	6.1	5.7	6.4
TITANIUM 2LS (PPG-TF-152)	7.1	6.5	6.3	5.5	6.4
BLOODHOUND (MET 6 SEL)	7.1	6.5	6.0	5.8	6.3
TEMPLE (DZ1)	7.3	6.5	5.7	5.9	6.3
MICHELANGELO (LTP-F5DPDR)	7.5	6.5	5.9	5.5	6.3
CATALYST	7.4	6.2	6.1	5.6	6.3
FIRECRACKER SLS (PPG-TF-105)	7.3	6.1	6.3	5.5	6.3
THOR (PPG-TF-157)	7.7	6.2	5.9	5.5	6.3
F711	7.3	6.5	6.2	5.3	6.3
IS-TF 269 SEL	7.6	5.9	6.2	5.5	6.3
RHIZING MOON (IS-TF 305 SEL)	7.2	6.3	6.0	5.8	6.3
COMMANDER (PPG-TF-170)	6.9	6.5	6.0	5.8	6.3
XTENDER (PPG-TF-139)	7.3	6.3	6.0	5.6	6.3
FIREWALL (PSG-WE1)	6.8	6.5	6.0	5.8	6.3
GTO (BURL TF-2)	7.3	6.3	6.0	5.6	6.3
BLACK TAIL (PPG-TF-150)	7.4	6.4	5.7	5.7	6.3
TECHNIQUE (RZ2)	7.3	6.1	5.9	5.7	6.3
PPG-TF-172	7.2	6.4	5.8	5.7	6.3
PSG-PO1	7.4	6.0	5.9	5.8	6.3
FALCON V	7.4	6.0	5.8	5.8	6.3
IS-TF 308 SEL	6.9	6.4	5.8	5.9	6.2
JS 916	7.2	6.4	5.8	5.6	6.2
FAITH	7.2	6.2	6.0	5.7	6.2
MET-3	7.1	6.5	5.7	5.7	6.2
PARAMOUNT (PPG-TF-137)	7.1	6.3	6.0	5.6	6.2
PPG-TF-138	7.3	6.0	6.0	5.6	6.2
BULLSEYE	7.5	6.1	5.8	5.5	6.2
DIABLO (IS-TF 330)	7.4	6.1	5.7	5.6	6.2
ATF 1612	7.4	6.2	5.8	5.4	6.2

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2015 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
UNITUS (IS-TF 289)	7.4	6.3	5.9	5.2	6.2
ROCKWELL (LTP-TWUU)	7.3	5.9	5.9	5.7	6.2
PPG-TF-169	7.2	6.2	5.9	5.5	6.2
ATF 1754	7.2	6.1	5.8	5.6	6.2
PPG-TF-115	7.2	6.1	6.0	5.4	6.2
SCREAMER LS (PPG-TF-148)	7.1	5.9	6.1	5.5	6.2
RAD-TF-89	7.6	6.1	5.4	5.4	6.2
FIREBIRD 2	6.8	6.3	6.1	5.4	6.1
GRANDE 3	6.6	6.4	6.0	5.5	6.1
ROWDY (SRX-TPC)	6.9	6.3	5.9	5.5	6.1
THUNDERSTRUCK (TD1)	7.4	6.1	5.6	5.4	6.1
IS-TF 311	7.0	6.0	6.1	5.4	6.1
FOXHOUND (IS-TF 284 M2)	7.4	5.9	5.6	5.6	6.1
FESNOVA	7.4	6.1	5.7	5.2	6.1
WICHITA (PPG-TF-151)	7.1	6.2	5.8	5.3	6.1
PST-5BPO	7.0	6.3	5.8	5.3	6.1
RHAMBLER 2 SRP (LSD)	7.3	5.7	5.9	5.5	6.1
DYNAMITE LS (PPG-TF-145)	7.4	6.0	5.8	5.2	6.1
PST-5BRK	7.3	5.9	5.9	5.3	6.1
KINGDOM (DB1)	7.2	6.0	5.8	5.4	6.1
EMBRACE (PST-5EV2)	7.2	5.9	6.0	5.3	6.1
NIGHTCRAWLER (IS-TF 285)	7.1	6.0	6.0	5.3	6.1
HOVER (BURL TF-69)	6.6	6.0	5.7	6.0	6.1
HOUNDOG8 (IS-TF 307 SEL)	7.2	6.0	5.8	5.3	6.1
CAESAR (TY 10)	7.3	6.0	5.7	5.2	6.0
ARES (PPG-TF-142)	7.3	5.9	5.6	5.3	6.0
RAD-TF-92	6.9	5.9	5.6	5.8	6.0
MERIDIAN (PST-5GRB)	7.1	5.6	6.1	5.3	6.0
IS-TF 276 M2	7.3	5.8	5.7	5.2	6.0
LEONARDO (LTP-FSD)	6.9	6.0	5.6	5.3	6.0
TERRANO	7.1	6.3	5.5	5.0	6.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	5.9	5.8	5.5	6.0
IS-TF 272	7.3	5.7	5.6	5.3	6.0
PST-5MVD	7.0	5.8	5.7	5.3	6.0
TEMPTATION (OR-21)	7.3	5.7	5.4	5.5	6.0
ATF 1736	6.9	6.0	5.7	5.2	6.0
OLYMPUS (RAD-TF-88)	6.7	6.0	5.7	5.4	6.0
SALTILLO (PST-5SALT)	6.9	5.8	5.9	5.2	6.0
TURFWAY (IS-TF 282 M2)	6.9	5.7	5.9	5.2	6.0
RAD-TF-83	7.2	5.7	5.6	5.3	5.9
K12-05	7.4	5.7	5.4	5.3	5.9
FALCON IV	6.9	5.6	5.9	5.2	5.9
PSG-GSD	6.8	5.6	6.0	5.2	5.9
K12-MCD	6.7	5.9	5.7	5.2	5.9
MEMPHIS (GO-DFR)	6.9	5.7	5.8	5.1	5.9

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN AT FOUR LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2015 DATA

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

NAME	IA1	IL1	IN1	NE1	MEAN
ATF 1704	6.4	5.8	5.8	5.4	5.9
INSPIRATION (PST-R5NW)	7.1	5.5	5.6	5.2	5.9
PST-5DZP	6.8	5.7	5.7	5.2	5.8
JS 809	6.9	5.6	5.4	5.3	5.8
PST-5EX2	6.7	5.7	5.5	5.4	5.8
JS 818	6.9	5.8	5.4	5.2	5.8
IS-TF-287	6.4	5.9	5.5	5.3	5.8
JS 819	6.7	5.8	5.5	5.1	5.8
BAR FA 121095	6.9	5.4	5.5	5.2	5.8
PSG-8BP2	6.4	5.6	5.8	5.1	5.7
PSG-TT4	6.4	5.8	5.7	5.1	5.7
FRONTLINE (EXP TF-09)	6.8	5.5	5.4	5.1	5.7
RAIN DANCE (PST-5SDT)	6.9	5.2	5.5	5.0	5.7
BAR FA 121091	6.6	5.6	5.3	5.1	5.7
SWAGGER (PST-5R05)	6.9	4.9	5.4	5.2	5.6
JS 825	6.8	5.3	5.2	5.0	5.6
AQUADUCT	6.3	5.0	5.7	5.0	5.5
K12-13	6.9	5.3	4.9	4.9	5.5
BAR FA 121089	6.6	5.3	4.9	5.0	5.4
MARAUDER	5.8	5.7	5.2	5.0	5.4
COMP. RES. SST	6.5	5.3	4.9	5.0	5.4
WARHAWK	6.4	5.5	4.6	5.1	5.4
ANNIHILATOR	5.9	5.2	5.3	4.6	5.3
204 RES. BLK4	5.6	5.0	4.6	5.1	5.1
BAR FA 120878	6.1	4.3	5.1	4.5	5.0
KY-31	4.0	3.2	4.0	3.1	3.6
LSD VALUE	0.7	0.6	0.5	0.4	0.3
C.V. (%)	6.2	6.2	5.5	4.8	5.8

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

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

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2015 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	
TECHNIQUE (RZ2)	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.7	7.7	7.2
4TH MILLENNIUM SRP (U43)	6.7	7.0	6.7	6.7	7.0	7.3	7.3	7.3	7.3	7.3	7.7	7.7	7.2
REBOUNDER (PICK-W43)	7.7	7.7	7.3	6.7	6.7	6.7	6.3	6.7	7.0	7.0	8.0	8.0	7.1
FALCON V	7.0	7.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.3	7.3	7.3	7.1
MAESTRO (T31)	7.7	8.0	7.7	7.7	6.7	6.3	6.7	6.3	7.0	7.0	6.7	6.7	7.0
SCREAMER LS (PPG-TF-148)	7.0	7.3	7.0	6.7	7.0	6.3	6.7	6.7	7.0	7.0	7.7	7.7	7.0
IS-TF 311	7.0	7.3	7.3	7.0	6.7	6.7	7.0	6.7	7.0	6.7	7.0	7.3	7.0
PSG-P01	6.7	7.7	7.0	6.7	6.7	6.7	6.7	6.7	7.0	7.0	7.0	7.0	6.9
BLACK TAIL (PPG-TF-150)	6.7	7.0	6.7	6.7	6.7	7.0	7.0	6.7	7.0	7.0	7.0	7.0	6.9
TEMPLE (DZ1)	6.7	6.3	6.3	6.3	6.7	6.7	6.7	7.0	7.0	7.3	7.7	7.7	6.9
ATF 1612	6.7	7.3	6.7	7.0	6.3	6.3	6.3	7.0	7.0	7.0	7.3	7.3	6.9
HOVER (BURL TF-69)	6.7	6.7	6.3	6.7	6.7	6.7	6.7	7.0	7.0	7.0	7.3	7.3	6.8
MET 1	6.7	7.3	7.0	6.7	6.7	6.7	6.7	6.7	7.0	7.0	7.0	6.7	6.8
FIREWALL (PSG-WE1)	7.0	7.3	7.0	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8
ROCKWELL (LTP-TWJU)	7.0	7.3	7.0	7.0	6.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.8
204 RES. BLK4	6.7	6.3	6.3	6.7	6.3	6.7	7.0	6.7	7.0	7.3	7.3	7.0	6.8
MET-3	6.7	7.3	6.7	7.0	7.0	7.0	7.0	6.7	6.7	6.3	6.3	6.3	6.8
REFLECTION (U45)	6.7	7.0	7.0	7.0	6.3	6.7	7.0	6.3	6.7	6.3	6.7	6.7	6.7
REGENERATE	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.7	7.0	7.0	6.7
GTO (BURL TF-2)	6.7	7.0	6.7	6.7	6.0	6.0	6.7	6.0	7.0	6.7	7.3	7.3	6.7
ATF 1704	6.7	7.0	6.7	6.7	6.3	6.3	6.3	6.7	6.7	6.7	6.7	6.7	6.6
AMITY (CCR2)	6.3	6.3	6.3	6.3	6.3	6.3	7.0	6.3	7.0	6.7	7.0	7.0	6.6
COMMANDER (PPG-TF-170)	6.7	6.7	6.7	6.3	6.0	6.0	6.3	6.7	6.3	6.7	7.3	7.3	6.6
HOT ROD (BURL TF-136)	6.3	7.0	6.7	6.7	7.0	7.3	6.7	6.7	6.0	6.7	6.0	6.0	6.6
OLYMPUS (RAD-TF-88)	6.3	7.0	6.7	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.3	6.3	6.6
XTENDER (PPG-TF-139)	6.7	7.0	7.0	6.3	6.0	6.0	6.0	7.0	6.0	7.0	7.0	7.0	6.6
PARAMOUNT (PPG-TF-137)	6.7	6.3	6.7	6.3	6.3	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.6
FIRECRACKER SLS (PPG-TF-105)	6.7	6.7	6.7	6.7	6.3	6.3	6.3	6.7	6.3	6.7	6.7	6.3	6.5
TITANIUM 2LS (PPG-TF-152)	7.0	8.0	7.0	6.3	6.0	5.7	5.7	6.3	6.7	6.3	6.7	6.7	6.5
TERRANO	6.7	7.3	6.7	6.7	6.0	6.0	6.0	6.7	6.7	6.3	6.7	6.7	6.5
FAITH	7.0	7.3	7.0	6.7	6.3	5.7	5.7	6.3	6.0	6.7	6.7	6.7	6.5
JS 819	6.3	6.3	6.3	6.3	6.0	6.0	6.0	7.0	6.7	7.0	7.0	7.0	6.5
K12-05	6.7	7.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3	6.3	6.7	6.7	6.5
W41	6.3	6.7	6.3	6.3	6.0	6.0	6.3	6.7	6.3	7.0	7.0	7.0	6.5
THOR (PPG-TF-157)	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.5
JS 916	6.3	6.7	6.3	6.3	6.3	6.3	6.0	6.7	6.3	6.7	6.7	6.7	6.4
PPG-TF-169	7.0	6.7	6.7	6.3	5.7	5.0	6.0	6.0	7.0	7.0	7.0	7.0	6.4
FAYETTE (IS-TF 291)	6.7	6.0	5.7	6.0	6.0	5.7	5.7	6.3	6.3	7.3	7.7	7.7	6.4
GRANDE 3	6.7	7.0	6.3	6.3	6.0	6.0	6.0	6.3	6.7	6.3	6.7	6.7	6.4
HEMI	6.3	7.0	6.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4
ROWDY (SRX-TPC)	6.3	7.3	6.7	6.3	5.7	6.0	6.0	6.3	6.3	6.7	6.7	6.7	6.4
B23	6.7	7.0	6.7	6.7	5.7	5.3	6.0	6.0	6.3	6.3	7.0	7.0	6.4
BIZEM	6.7	7.0	7.0	6.7	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.4
RAD-TF-92	6.3	7.0	6.7	6.0	6.3	5.7	6.7	6.0	6.7	6.0	6.7	6.7	6.4

TABLE 10. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2015 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
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	7.0	6.7	6.7	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.4
FALCON IV	6.3	6.7	6.3	6.3	6.0	5.7	6.3	6.0	6.7	6.3	7.0	7.0	6.4
F711	6.7	6.3	6.3	6.0	6.3	6.7	6.7	6.7	6.0	6.7	6.0	6.0	6.4
RAD-TF-89	6.7	7.0	6.7	6.3	6.0	5.7	5.7	6.3	6.3	6.3	6.7	6.7	6.4
RHIZING MOON (IS-TF 305 SEL)	6.7	6.7	6.7	6.7	5.7	5.7	5.7	6.3	6.7	6.3	6.7	6.7	6.4
BLOODHOUND (MET 6 SEL)	6.3	6.0	6.0	5.7	6.0	5.7	6.3	6.3	7.0	6.7	7.0	7.0	6.3
CATALYST	6.3	6.7	6.3	6.3	6.0	6.0	6.0	6.7	6.0	6.3	6.7	6.7	6.3
DYNAMITE LS (PPG-TF-145)	6.3	7.0	6.3	6.3	6.3	6.3	6.0	6.3	6.0	6.3	6.3	6.3	6.3
EMBRACE (PST-5EV2)	6.7	6.7	6.3	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.3	6.3
PPG-TF-135	6.3	6.7	6.3	6.0	6.0	6.0	6.3	6.0	6.7	6.3	6.7	6.7	6.3
THUNDERSTRUCK (TD1)	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.0	6.7	6.7	6.7	6.7	6.3
LEONARDO (LTP-FSD)	6.7	7.0	6.7	6.7	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.0	6.3
WICHITA (PPG-TF-151)	6.7	6.3	6.3	6.0	6.0	5.7	6.0	6.0	6.3	6.3	6.7	6.7	6.3
ANNIHILATOR	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.3	6.7	6.7	6.2
IS-TF 276 M2	6.7	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.7	6.2
K12-MCD	6.3	6.7	6.3	6.3	6.3	6.3	6.0	6.3	5.7	6.3	6.0	6.0	6.2
FIREBIRD 2	6.0	6.7	6.3	6.3	6.3	6.3	6.3	6.0	6.3	6.3	5.7	5.7	6.2
DIABLO (IS-TF 330)	6.3	6.7	6.3	6.3	5.7	5.7	5.7	6.3	6.3	6.3	6.3	6.0	6.2
IS-TF 272	6.0	6.7	6.3	6.3	5.7	5.3	5.7	6.0	6.3	6.3	6.7	6.7	6.2
IS-TF-287	6.0	6.7	6.0	6.0	5.7	5.7	5.7	6.3	6.0	6.7	6.7	6.7	6.2
JS 818	6.3	6.0	5.7	5.7	5.7	5.7	6.0	6.0	6.7	6.3	7.0	7.0	6.2
KINGDOM (DB1)	6.0	5.7	6.0	6.0	6.7	6.7	6.0	6.0	6.3	6.0	6.3	6.3	6.2
MERIDIAN (PST-5GRB)	6.3	7.0	6.3	6.7	6.3	6.0	6.0	6.0	5.7	5.7	6.0	6.0	6.2
PPG-TF-115	6.0	6.7	6.3	6.3	6.0	6.3	6.3	6.0	6.3	5.7	6.0	6.0	6.2
PPG-TF-172	6.0	6.3	6.3	6.3	6.0	6.0	5.7	6.3	6.0	6.3	6.3	6.3	6.2
RAPTOR III (ZW 44)	6.3	6.7	6.3	6.0	5.7	5.7	6.0	6.0	6.3	6.3	6.3	6.3	6.2
TRAVERSE 2 SRP (W45)	6.3	7.0	6.3	6.0	5.7	5.7	5.7	6.3	6.0	6.3	6.3	6.3	6.2
ATF 1736	6.3	6.7	6.3	6.3	5.7	5.0	6.0	5.7	5.7	6.7	6.7	6.7	6.1
IS-TF 269 SEL	6.0	6.3	6.0	6.0	6.0	5.7	5.7	6.3	6.3	6.3	6.3	6.3	6.1
MICHELANGELO (LTP-F5DPDR)	6.0	6.0	5.7	6.0	5.7	5.7	6.0	6.3	6.3	6.3	6.7	6.7	6.1
PST-5EX2	6.0	6.7	6.3	6.0	5.7	6.0	6.0	6.3	6.0	6.0	6.0	6.3	6.1
WARHAWK	6.0	6.3	6.0	6.0	6.3	6.0	6.3	5.7	6.3	5.7	6.3	6.3	6.1
ARES (PPG-TF-142)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	6.0	6.3	6.3	6.3	6.3	6.1
BULLSEYE	6.0	7.0	6.3	6.0	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.0	6.1
RHAMBLER 2 SRP (LSD)	6.3	5.7	5.7	6.0	5.7	5.7	5.7	6.0	6.3	6.3	6.7	6.7	6.1
MARAUDER	6.0	5.7	6.0	5.7	5.7	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.0
AVENGER II (PPG-TF-156)	6.0	6.7	6.0	6.0	5.7	5.7	5.7	6.0	6.3	6.0	6.3	6.0	6.0
K12-13	6.3	6.3	6.0	6.0	5.7	5.3	5.7	6.0	6.0	6.3	6.3	6.3	6.0
PSG-8BP2	6.3	6.7	6.3	6.0	6.0	5.3	5.7	5.7	6.0	6.0	6.0	6.3	6.0
UNITUS (IS-TF 289)	6.0	6.0	6.0	5.7	5.7	5.3	5.7	6.0	6.3	6.3	6.7	6.7	6.0
FESNOVA	6.3	6.0	6.0	6.0	5.7	5.7	5.7	6.0	6.3	6.0	6.3	6.0	6.0
PPG-TF-138	6.0	6.3	6.0	6.0	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
PST-5MVD	6.3	5.7	5.7	6.0	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6.0
TURFWAY (IS-TF 282 M2)	6.0	6.0	5.7	6.0	5.7	5.7	6.0	5.7	6.3	6.0	6.3	6.3	6.0
BAR FA 121095	6.3	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.3	6.0	6.3	6.3	6.0

TABLE 10. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2015 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	
JS 809	6.0	6.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
ATF 1754	6.0	7.0	6.0	6.3	6.0	5.7	5.3	6.0	5.7	6.0	5.7	5.7	5.9
HOUNDG8 (IS-TF 307 SEL)	6.0	6.3	6.0	6.0	5.7	5.7	5.7	5.7	6.3	6.0	6.0	6.0	5.9
MEMPHIS (GO-DFR)	6.0	6.3	6.0	6.0	6.0	6.0	6.0	5.7	6.0	5.7	5.7	5.7	5.9
PST-5DZP	6.0	6.3	6.0	5.7	5.7	5.3	6.0	6.0	6.0	6.0	6.0	6.0	5.9
PSG-GSD	6.0	6.7	6.3	6.0	5.7	5.0	5.7	6.0	5.7	5.7	6.0	6.0	5.9
AQUADUCT	6.0	6.3	6.0	6.0	5.3	5.3	5.3	6.0	5.7	6.3	6.0	6.0	5.9
BAR FA 121091	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0	6.0	6.0	6.0	5.9
PST-5BPO	6.0	6.0	6.0	5.7	5.7	5.7	6.0	5.7	6.0	5.7	6.0	6.0	5.9
INSPIRATION (PST-R5NW)	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0	5.7	6.0	6.0	6.0	5.8
IS-TF 308 SEL	6.0	6.3	6.0	5.7	5.3	5.3	5.7	5.7	6.0	6.0	6.0	6.0	5.8
PSG-TT4	5.7	6.3	6.0	5.3	5.7	5.0	5.0	5.7	6.0	6.3	6.3	6.3	5.8
CAESAR (TY 10)	5.7	6.0	5.7	5.7	5.7	5.0	5.7	6.0	6.0	6.0	6.0	6.0	5.8
COMP. RES. SST	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.8
FOXHOUND (IS-TF 284 M2)	5.7	6.0	5.7	6.0	5.3	5.3	5.7	5.3	6.0	6.0	6.0	6.0	5.8
SALTILLO (PST-5SALT)	5.3	5.7	5.3	5.7	6.0	6.0	6.0	5.7	5.7	5.3	5.3	5.3	5.6
RAD-TF-83	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.3	6.0	5.7	5.7	5.7	5.6
RAIN DANCE (PST-5SDT)	5.7	5.3	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.6
SWAGGER (PST-5R05)	5.7	5.7	5.7	5.7	5.0	5.0	5.0	6.0	5.3	6.0	6.0	6.0	5.6
NIGHTCRAWLER (IS-TF 285)	5.3	5.7	5.3	5.7	5.3	5.0	6.0	5.3	6.0	5.3	5.7	5.7	5.5
BAR FA 121089	5.3	5.3	5.7	5.7	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.3	5.5
FRONTLINE (EXP TF-09)	6.0	6.0	5.7	6.0	5.3	4.7	5.0	5.3	5.3	5.3	5.3	5.3	5.4
TEMPTATION (OR-21)	5.7	6.0	5.7	5.7	5.0	4.3	4.7	5.0	5.3	5.7	5.7	5.7	5.4
JS 825	5.7	5.7	5.7	5.7	5.0	5.0	5.0	5.3	5.0	5.3	5.0	5.3	5.3
PST-5BRK	5.3	5.3	5.3	5.3	5.0	4.7	5.0	5.0	5.0	5.3	5.3	5.3	5.2
BAR FA 120878	5.0	5.0	5.0	5.3	4.7	4.3	4.7	4.7	4.7	4.7	4.7	4.7	4.8
KY-31	3.7	3.3	3.7	3.7	3.7	3.0	3.3	3.3	3.7	4.0	3.7	3.7	3.6
LSD VALUE	1.1	1.3	1.1	1.0	1.1	1.3	1.1	1.0	1.1	1.2	1.4	1.4	0.9
C.V. (%)	10.9	12.6	10.5	9.6	11.2	13.9	11.4	10.3	10.5	11.5	13.4	13.5	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.

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 11. PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
 2015 DATA  
 TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

NAME	BEFORE TRAFFIC ON APRIL 13-14				AFTER TRAFFIC IN SPRING (JUNE 4)				BEFORE TRAFFIC ON JUNE 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
TEMPLE (DZ1)	8.0	5.7	88.3	51.7	9.0	6.7	96.3	71.7	9.0	8.7	96.3	90.0
EMBRACE (PST-5EV2)	8.0	6.0	83.3	55.0	9.0	7.0	93.3	70.0	9.0	8.7	97.7	93.3
HEMI	8.0	6.0	85.0	56.7	9.0	7.7	97.7	78.3	9.0	8.3	97.7	93.3
REFLECTION (U45)	8.0	6.3	83.3	65.0	9.0	7.3	95.0	76.7	8.7	8.7	99.0	93.3
BIZEM	8.3	6.0	86.7	53.3	9.0	7.0	94.7	73.3	8.7	8.3	96.3	88.3
IS-TF-287	8.0	5.7	80.0	53.3	9.0	7.0	94.7	70.0	9.0	8.0	96.3	88.3
K12-13	6.7	5.3	70.0	50.0	8.3	5.3	94.7	60.0	9.0	7.7	91.7	83.3
PSG-8BP2	6.7	5.7	71.7	56.7	8.3	7.3	90.0	75.0	8.3	7.7	93.3	88.3
PST-5BP0	7.7	5.7	80.0	56.7	8.7	7.0	90.0	70.0	8.3	8.3	96.3	90.0
COMP. RES. SST	7.3	5.7	75.0	53.3	8.3	7.7	93.3	76.7	8.7	8.0	91.7	86.7
HOVER (BURL TF-69)	7.7	5.7	80.0	55.0	9.0	6.7	96.3	70.0	9.0	7.7	96.0	88.3
PPG-TF-172	8.0	6.3	86.7	55.0	9.0	7.3	96.3	71.7	9.0	7.7	96.3	86.7
RAD-TF-89	8.0	5.7	85.0	65.0	9.0	7.7	94.7	80.0	9.0	8.3	93.3	88.3
RAPTOR III (ZW 44)	8.0	6.7	83.3	60.0	9.0	8.0	96.3	78.3	9.0	8.3	99.0	93.3
RHAMBLER 2 SRP (LSD)	8.0	6.0	80.0	55.0	9.0	6.3	96.3	70.0	9.0	9.0	97.7	93.3
XTENDER (PPG-TF-139)	7.3	5.3	78.3	53.3	9.0	7.3	94.7	76.7	9.0	9.0	97.7	93.3
IS-TF 311	8.0	6.3	86.7	60.0	9.0	7.7	96.3	78.3	9.0	8.3	94.7	88.3
K12-MCD	8.0	5.0	80.0	48.3	8.7	7.0	96.3	73.3	8.7	8.0	96.3	90.0
MEMPHIS (GO-DFR)	7.0	5.0	75.0	46.7	8.7	6.0	93.3	63.3	8.3	8.0	95.0	88.3
PPG-TF-135	8.0	5.7	86.7	56.7	9.0	7.3	97.7	78.3	9.0	9.0	97.7	93.3
PSG-GSD	7.7	5.3	80.0	50.0	8.3	7.0	91.7	75.0	9.0	8.7	95.0	90.0
PST-5BRK	7.3	4.7	75.0	46.7	8.7	6.7	91.7	66.7	8.7	8.3	96.3	88.3
SCREAMER LS (PPG-TF-148)	8.7	5.7	88.3	53.3	9.0	7.7	96.3	73.3	9.0	8.7	99.0	91.7
4TH MILLENNIUM SRP (U43)	8.3	6.0	86.7	56.7	9.0	7.7	97.7	73.3	9.0	9.0	99.0	95.0
ATF 1704	8.7	6.3	85.0	61.7	9.0	8.0	96.3	76.7	9.0	8.3	94.7	90.0
BULLSEYE	7.7	5.3	78.3	53.3	9.0	7.0	93.3	68.3	9.0	8.3	97.7	90.0
F711	8.3	6.3	85.0	55.0	9.0	7.0	96.3	75.0	9.0	8.3	99.0	94.7
FIRECRACKER SLS (PPG-TF-105)	7.7	5.3	78.3	45.0	9.0	6.7	94.7	75.0	9.0	8.0	97.7	88.3
JS 916	8.0	6.0	81.7	53.3	9.0	7.7	95.0	76.7	8.7	8.0	96.3	85.0
MICHELANGELO (LTP-F5DPDR)	7.7	5.7	81.7	51.7	8.7	7.3	95.0	73.3	9.0	7.7	93.3	86.7
OLYMPUS (RAD-TF-88)	7.7	5.3	81.7	53.3	9.0	7.0	96.3	73.3	9.0	8.0	97.7	90.0
RAD-TF-92	7.0	5.3	76.7	55.0	9.0	7.3	93.3	80.0	8.7	8.7	96.0	88.3
REBOUNDER (PICK-W43)	8.3	5.7	88.3	55.0	8.7	6.0	96.3	65.0	8.7	8.3	96.0	91.7
ROCKWELL (LTP-TWUU)	8.3	5.0	85.0	50.0	9.0	6.3	97.7	68.3	9.0	8.3	99.0	91.7
TRAVERSE 2 SRP (W45)	8.0	5.7	83.3	50.0	8.7	6.0	94.7	68.3	9.0	8.3	97.7	91.7
BLACK TAIL (PPG-TF-150)	8.0	5.7	81.7	53.3	9.0	7.0	95.0	71.7	8.7	8.0	97.7	90.0
GRANDE 3	8.7	5.7	86.7	56.7	8.7	6.7	97.7	71.7	9.0	8.0	96.0	91.7
KINGDOM (DB1)	7.0	5.3	75.0	46.7	9.0	6.3	93.3	68.3	8.7	8.0	94.7	88.3
NIGHTCRAWLER (IS-TF 285)	7.3	5.7	78.3	46.7	8.3	6.7	90.0	66.7	8.3	7.7	93.0	88.3
PPG-TF-169	8.3	6.0	85.0	58.3	9.0	6.7	96.3	70.0	9.0	8.3	93.3	90.0
PST-5EX2	8.0	5.7	81.7	56.7	8.3	7.3	88.3	73.3	8.0	7.3	91.7	86.7
TITANIUM 2LS (PPG-TF-152)	7.7	5.7	81.7	55.0	9.0	6.3	96.3	70.0	9.0	7.7	97.7	85.0
B23	8.3	6.7	83.3	60.0	9.0	7.7	99.0	78.3	9.0	8.3	97.7	90.0
CATALYST	8.0	6.7	85.0	65.0	8.7	7.3	94.7	78.3	9.0	9.0	96.0	91.7
CROSSFIRE 4 (IS-TF 310 SEL)	7.7	6.3	78.3	58.3	9.0	7.0	96.3	71.7	9.0	8.0	96.3	88.3

TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 DATA  
TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ \*/

NAME	BEFORE TRAFFIC ON APRIL 13-14				AFTER TRAFFIC IN SPRING (JUNE 4)				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
DIABLO (IS-TF 330)	7.3	4.7	76.7	43.3	9.0	6.7	94.7	70.0	8.7	8.0	91.7	88.3
IS-TF 269 SEL	7.3	5.3	76.7	50.0	9.0	7.3	93.3	75.0	8.7	7.7	91.7	86.7
IS-TF 272	7.3	4.3	76.7	45.0	9.0	5.3	93.3	60.0	8.3	8.0	94.7	83.3
IS-TF 308 SEL	8.0	6.0	81.7	53.3	9.0	6.3	96.3	63.3	9.0	8.0	96.3	88.3
MAESTRO (T31)	8.0	5.7	86.7	56.7	9.0	6.3	96.3	68.3	9.0	8.3	99.0	90.0
MET 1	8.0	6.0	88.3	53.3	9.0	6.7	96.3	66.7	9.0	8.0	99.0	93.3
'COMMANDER (PPG-TF-170)	7.7	5.0	85.0	50.0	8.7	6.7	96.3	73.3	9.0	8.0	97.7	88.3
PSG-P01	7.7	5.0	81.7	46.7	9.0	6.0	95.0	66.7	9.0	8.0	97.7	91.7
RAD-TF-83	7.0	5.0	73.3	51.7	9.0	6.3	93.3	63.3	8.3	7.3	91.7	83.3
CAESAR (TY 10)	7.3	5.3	78.3	50.0	8.0	6.3	91.7	68.3	8.7	7.7	93.3	86.7
FIREBIRD 2	8.0	6.3	85.0	56.7	9.0	6.3	97.7	70.0	9.0	8.0	99.0	88.3
GTO (BURL TF-2)	8.3	6.0	86.7	58.3	9.0	6.0	93.3	68.3	9.0	8.3	99.0	88.3
HOT ROD (BURL TF-136)	8.0	6.7	86.7	61.7	9.0	7.3	95.0	76.7	9.0	8.3	96.3	91.7
HOUNDOG8 (IS-TF 307 SEL)	7.7	5.0	78.3	45.0	9.0	6.0	95.0	70.0	9.0	8.3	96.3	86.7
INSPIRATION (PST-R5NW)	6.7	4.7	70.0	45.0	8.0	6.7	91.7	70.0	8.0	7.7	91.7	86.7
IS-TF 276 M2	7.0	4.3	76.7	45.0	9.0	6.7	90.0	66.7	8.3	8.0	91.7	85.0
MERIDIAN (PST-5GRB)	8.0	6.0	78.3	56.7	9.0	7.7	96.3	76.7	9.0	9.0	99.0	95.0
MET-3	7.3	5.3	80.0	46.7	8.7	6.3	91.7	68.3	8.7	8.0	96.3	90.0
PST-5MVD	8.0	5.3	83.3	51.7	9.0	6.3	91.7	68.3	9.0	8.0	91.7	85.0
RAIN DANCE (PST-5SDT)	7.3	6.0	81.7	58.3	8.0	6.7	90.0	68.3	8.7	8.0	91.7	85.0
SALTILLO (PST-5SALT)	8.0	5.7	80.0	50.0	8.7	6.0	91.7	66.7	9.0	8.3	96.3	91.7
TECHNIQUE (RZ2)	8.0	6.3	90.0	61.7	9.0	7.7	99.0	81.7	9.0	8.7	99.0	94.7
ATF 1754	8.3	5.7	85.0	55.0	9.0	6.7	93.3	66.7	9.0	8.3	96.3	86.7
FAYETTE (IS-TF 291)	8.0	5.7	85.0	53.3	9.0	7.7	96.3	81.7	9.0	8.7	95.0	90.0
JS 809	6.7	5.3	68.3	46.7	8.3	5.7	91.7	61.7	8.7	8.0	91.7	86.7
PPG-TF-138	7.3	5.7	80.0	58.3	9.0	6.7	95.0	68.3	9.0	8.0	99.0	88.3
ROWDY (SRX-TPC)	8.0	6.0	81.7	53.3	9.0	7.3	96.3	73.3	9.0	8.3	97.7	91.7
SWAGGER (PST-5R05)	7.7	5.0	76.7	48.3	9.0	7.0	93.3	71.7	8.7	8.3	96.3	88.3
TURFWAY (IS-TF 282 M2)	8.0	5.3	78.3	51.7	8.3	5.7	91.7	63.3	8.7	8.0	91.7	85.0
AVENGER II (PPG-TF-156)	8.3	6.3	86.7	66.7	9.0	7.3	97.7	75.0	9.0	8.3	99.0	93.3
FESNOVA	8.0	5.0	78.3	55.0	8.7	6.3	91.7	65.0	9.0	7.7	96.3	86.7
FOXHOUND (IS-TF 284 M2)	7.7	5.0	78.3	45.0	8.7	6.7	93.3	65.0	8.7	7.7	96.3	85.0
FRONTLINE (EXP TF-09)	6.3	4.3	73.3	41.7	8.0	6.3	86.7	61.7	8.0	7.7	85.0	83.3
JS 818	6.7	3.7	71.7	38.3	8.7	7.0	91.7	66.7	8.7	8.0	91.7	85.0
LEONARDO (LTP-FSD)	7.7	5.0	83.3	51.7	9.0	7.0	96.3	75.0	8.7	8.0	94.3	88.3
PSG-TT4	7.3	5.0	78.3	46.7	8.0	6.0	88.3	66.7	8.3	7.7	90.0	83.3
REGENERATE	8.0	6.3	86.7	60.0	9.0	6.3	96.3	73.3	9.0	9.0	99.0	95.0
RHIZING MOON (IS-TF 305 SEL)	7.7	5.3	73.3	45.0	9.0	6.7	91.7	65.0	9.0	8.0	91.7	85.0
TERRANO	7.0	4.0	71.7	38.3	9.0	6.7	91.7	65.0	8.7	7.7	95.0	88.3
204 RES. BLK4	7.7	5.0	76.7	45.0	8.7	5.7	95.0	61.7	9.0	8.3	94.7	86.7
AQUADUCT	7.3	5.3	75.0	50.0	8.0	6.7	90.0	70.0	8.3	7.7	88.3	88.3
ATF 1612	8.0	5.7	86.7	55.0	9.0	7.3	97.7	76.7	9.0	9.0	97.7	91.7
ATF 1736	8.0	5.7	83.3	51.7	8.3	6.7	93.3	66.7	9.0	8.0	95.0	86.7
BAR FA 121095	7.0	5.3	76.7	51.7	8.0	5.3	93.3	56.7	8.3	7.3	96.3	80.0



TABLE 11. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/ 2015 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 13-14				AFTER TRAFFIC IN SPRING (JUNE 4)				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
THOR (PPG-TF-157)	8.0	5.0	85.0	45.0	9.0	6.3	93.3	66.7	9.0	7.7	96.3	83.3
W41	8.0	5.3	81.7	55.0	9.0	7.0	96.3	75.0	9.0	8.3	99.0	88.3
ANNIHILATOR	7.3	5.0	73.3	48.3	8.3	6.7	88.3	66.7	8.0	7.7	83.3	78.3
FIREWALL (PSG-WE1)	8.3	6.0	86.7	55.0	8.7	7.3	96.0	76.7	9.0	8.0	96.0	90.0
BAR FA 121091	7.0	3.3	73.3	35.0	8.0	5.7	90.0	65.0	8.0	7.0	88.3	86.7
BLOODHOUND (MET 6 SEL)	8.3	5.3	83.3	51.7	9.0	7.0	96.3	70.0	9.0	8.3	95.0	90.0
DYNAMITE LS (PPG-TF-145)	6.7	4.7	75.0	46.7	8.7	6.0	91.7	68.3	8.7	7.7	96.0	86.7
JS 819	6.3	5.0	66.7	46.7	8.3	6.3	91.7	68.3	8.3	7.7	91.7	81.7
JS 825	5.7	2.7	58.3	31.7	8.0	6.3	83.3	61.7	8.0	7.7	85.0	80.0
PST-5DZP	7.0	5.3	75.0	46.7	9.0	6.0	91.7	66.7	8.7	8.0	96.3	88.3
UNITUS (IS-TF 289)	7.0	5.3	76.7	50.0	9.0	7.0	95.0	75.0	8.3	8.0	95.0	88.3
WICHITA (PPG-TF-151)	7.7	5.0	83.3	48.3	8.3	6.3	93.3	65.0	9.0	7.7	93.3	86.7
ARES (PPG-TF-142)	7.0	5.0	73.3	48.3	9.0	5.3	91.7	55.0	8.7	7.3	91.7	80.0
BAR FA 121089	6.7	4.7	73.3	50.0	8.0	5.7	88.3	53.3	8.0	6.7	86.7	78.3
FAITH	8.0	5.0	81.7	48.3	8.7	6.3	95.0	70.0	8.7	8.0	96.3	90.0
FALCON IV	7.3	5.3	78.3	48.3	8.3	6.7	91.7	60.0	8.7	7.3	90.0	85.0
K12-05	7.0	4.3	75.0	43.3	8.7	6.0	94.7	60.0	9.0	7.7	96.3	83.3
PPG-TF-115	7.0	5.0	75.0	46.7	8.7	6.3	93.3	66.7	8.7	7.3	91.7	85.0
BAR FA 120878	5.3	4.0	63.3	45.0	6.7	5.0	71.7	51.7	7.0	6.0	80.0	71.7
MARAUDER	7.3	4.7	73.3	41.7	8.0	5.3	90.0	60.0	7.7	6.7	85.0	78.3
TEMPTATION (OR-21)	7.3	4.3	73.3	41.7	8.3	5.0	90.0	58.3	8.7	7.3	91.7	81.7
FALCON V	9.0	6.3	86.7	58.3	9.0	7.3	93.3	75.0	9.0	8.0	97.7	91.7
PARAMOUNT (PPG-TF-137)	8.3	6.0	86.7	60.0	9.0	6.0	99.0	73.3	9.0	8.3	99.0	91.7
THUNDERSTRUCK (TD1)	6.3	4.7	68.3	43.3	9.0	5.3	91.7	56.7	8.7	7.7	93.0	85.0
WARHAWK	7.0	4.7	68.3	46.7	7.7	5.7	85.0	65.0	7.7	7.0	86.7	80.0
AMITY (CCR2)	8.3	5.7	86.7	50.0	9.0	5.3	95.0	56.7	9.0	8.3	97.7	88.3
KY-31	5.3	2.3	53.3	23.3	6.0	4.0	61.7	41.7	7.0	5.7	76.7	66.7
LSD VALUE	0.7	1.3	6.1	17.3	0.5	1.5	4.2	12.1	0.6	1.0	5.0	6.4
C.V. (%)	6.0	14.2	5.0	16.4	3.9	12.5	3.0	10.0	3.9	7.0	3.4	4.4

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.

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 11. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
 2015 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 15				AFTER TRAFFIC IN FALL (NOVEMBER 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
TEMPLE (DZ1)	9.0	7.0	95.0	73.3	9.0	7.0	95.0	70.0	9.0	7.3	95.0	71.7
EMBRACE (PST-5EV2)	9.0	6.3	97.7	70.0	8.7	6.7	89.3	68.3	8.7	6.7	93.0	70.0
HEMI	8.7	7.0	91.7	73.3	8.3	7.7	83.3	71.7	8.7	6.3	86.7	70.0
REFLECTION (U45)	9.0	7.3	94.7	78.3	9.0	8.7	90.0	75.0	9.0	6.7	96.3	70.0
BIZEM	9.0	6.3	94.7	70.0	9.0	8.0	96.3	73.3	9.0	6.7	94.7	68.3
IS-TF-287	9.0	7.7	94.7	75.0	8.7	8.0	88.3	75.0	8.7	6.3	93.3	68.3
K12-13	8.3	5.7	86.7	58.3	9.0	6.3	91.7	63.3	9.0	7.0	90.0	68.3
PSG-8BP2	8.3	6.0	85.0	61.7	8.0	6.3	84.7	63.3	8.3	7.0	90.0	68.3
PST-5BP0	8.7	6.7	90.0	71.7	8.7	8.0	88.3	75.0	8.0	6.7	88.3	68.3
COMP. RES. SST	8.3	6.0	90.0	66.7	8.3	7.3	83.3	73.3	8.7	6.7	90.0	66.7
HOVER (BURL TF-69)	8.7	6.0	91.3	70.0	8.7	6.3	86.7	70.0	8.7	6.0	93.3	66.7
PPG-TF-172	9.0	7.3	97.7	80.0	8.7	7.7	84.7	71.7	9.0	7.0	94.7	66.7
RAD-TF-89	9.0	7.0	93.3	78.3	8.7	6.7	91.3	71.7	8.7	6.7	90.0	66.7
RAPTOR III (ZW 44)	8.7	7.0	93.0	76.7	8.3	7.3	83.3	75.0	8.7	6.7	93.3	66.7
RHAMBLER 2 SRP (LSD)	9.0	7.0	94.7	76.7	8.7	7.3	94.7	81.7	9.0	6.7	93.3	66.7
XTENDER (PPG-TF-139)	8.7	6.3	91.7	68.3	8.3	7.3	90.0	75.0	8.7	6.7	88.3	66.7
IS-TF 311	8.7	7.3	94.3	78.3	8.0	6.7	79.7	70.0	7.7	6.3	83.3	65.0
K12-MCD	9.0	6.3	93.0	66.7	9.0	7.3	96.3	73.3	9.0	6.7	91.7	65.0
MEMPHIS (GO-DFR)	8.3	5.3	91.7	56.7	8.7	6.3	88.3	63.3	8.7	6.7	90.0	65.0
PPG-TF-135	9.0	7.7	94.7	80.0	8.7	7.0	86.7	66.7	8.7	5.7	91.7	65.0
PSG-GSD	8.7	6.0	90.0	65.0	8.7	8.0	93.0	76.7	8.3	7.0	93.3	65.0
PST-5BRK	8.7	6.0	90.0	66.7	9.0	6.7	93.3	75.0	8.0	5.3	86.7	65.0
SCREAMER LS (PPG-TF-148)	8.7	6.7	95.0	70.0	8.3	6.3	86.7	68.3	9.0	6.0	93.3	65.0
4TH MILLENNIUM SRP (U43)	9.0	7.0	94.7	75.0	9.0	7.7	93.0	76.7	9.0	7.0	94.7	63.3
ATF 1704	9.0	7.3	94.7	80.0	9.0	7.7	93.3	75.0	8.3	6.0	93.3	63.3
BULLSEYE	9.0	7.0	91.7	68.3	8.7	7.7	91.3	71.7	8.3	5.3	93.0	63.3
F711	9.0	7.0	96.3	78.3	9.0	8.0	96.3	66.7	9.0	6.7	95.0	63.3
FIRECRACKER SLS (PPG-TF-105)	8.7	6.3	97.7	66.7	9.0	6.3	94.7	68.3	9.0	6.3	95.0	63.3
JS 916	8.7	6.7	96.0	71.7	8.7	7.3	91.7	71.7	8.3	6.3	91.7	63.3
MICHELANGELO (LTP-F5DPDR)	8.7	6.0	93.3	63.3	8.7	6.3	91.7	68.3	8.7	6.3	90.0	63.3
OLYMPUS (RAD-TF-88)	9.0	6.0	94.7	68.3	8.7	7.3	91.7	75.0	8.7	6.3	96.3	63.3
RAD-TF-92	9.0	7.7	94.7	75.0	9.0	8.3	94.7	83.3	8.7	6.7	91.7	63.3
REBOUNDER (PICK-W43)	8.7	5.7	91.7	63.3	9.0	7.7	91.3	76.7	9.0	6.7	95.0	63.3
ROCKWELL (LTP-TWUU)	9.0	6.7	91.7	66.7	9.0	7.3	96.0	73.3	9.0	6.3	95.0	63.3
TRAVERSE 2 SRP (W45)	9.0	6.3	94.7	68.3	8.7	7.0	91.3	75.0	9.0	7.0	94.7	63.3
BLACK TAIL (PPG-TF-150)	9.0	6.0	90.0	61.7	8.7	7.3	91.7	70.0	9.0	5.3	95.0	61.7
GRANDE 3	8.3	5.7	90.0	61.7	7.3	6.7	83.3	68.3	8.7	5.3	93.3	61.7
KINGDOM (DB1)	8.3	6.0	93.3	65.0	9.0	7.3	94.7	68.3	8.7	6.3	93.3	61.7
NIGHTCRAWLER (IS-TF 285)	8.7	6.3	91.7	63.3	9.0	6.7	88.3	68.3	9.0	6.0	91.7	61.7
PPG-TF-169	8.7	5.7	93.3	63.3	8.3	6.0	83.3	53.3	8.3	5.3	90.0	61.7
PST-5EX2	8.3	7.0	88.3	68.3	8.3	8.0	90.0	73.3	8.3	6.3	83.3	61.7
TITANIUM 2LS (PPG-TF-152)	9.0	5.7	97.7	65.0	9.0	5.7	93.0	60.0	9.0	6.3	96.3	61.7
B23	9.0	8.3	96.3	83.3	8.7	7.0	93.3	78.3	9.0	6.3	95.0	60.0
CATALYST	9.0	7.0	94.7	76.7	9.0	7.3	90.0	70.0	9.0	6.0	93.3	60.0
CROSSFIRE 4 (IS-TF 310 SEL)	9.0	6.3	93.3	66.7	8.7	6.7	89.7	66.7	8.7	5.7	95.0	60.0

TABLE 11. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2015 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 15				AFTER TRAFFIC IN FALL (NOVEMBER 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
DIABLO (IS-TF 330)	9.0	7.0	94.7	75.0	8.0	6.3	86.3	71.7	8.7	7.0	90.0	60.0
IS-TF 269 SEL	9.0	6.7	95.0	75.0	8.7	7.3	90.0	76.7	8.3	5.7	83.3	60.0
IS-TF 272	7.7	5.0	90.0	55.0	7.0	6.7	75.0	60.0	8.0	5.3	86.7	60.0
IS-TF 308 SEL	9.0	6.7	91.7	68.3	8.3	7.3	91.3	68.3	8.3	6.3	88.3	60.0
MAESTRO (T31)	8.7	6.7	96.0	71.7	8.3	6.0	81.3	63.3	8.7	6.3	88.3	60.0
MET 1	9.0	6.0	94.7	65.0	8.7	7.0	91.7	66.7	8.7	6.3	90.0	60.0
'COMMANDER (PPG-TF-170)	9.0	6.7	95.0	71.7	8.3	6.3	86.7	70.0	8.7	6.3	90.0	60.0
PSG-P01	8.3	4.7	86.7	56.7	8.7	5.3	90.0	55.0	8.7	4.7	93.3	60.0
RAD-TF-83	8.3	5.3	83.3	55.0	8.3	6.7	85.0	68.3	8.3	5.0	88.3	60.0
CAESAR (TY 10)	9.0	6.3	90.0	61.7	8.7	6.0	88.3	60.0	8.7	6.0	90.0	58.3
FIREBIRD 2	9.0	6.0	93.0	66.7	8.7	7.0	91.3	63.3	8.7	6.3	90.0	58.3
GTO (BURL TF-2)	8.3	6.3	93.0	68.3	7.7	6.7	76.3	65.0	8.3	6.0	88.3	58.3
HOT ROD (BURL TF-136)	9.0	6.7	90.0	68.3	8.3	7.0	88.0	66.7	8.0	5.7	86.7	58.3
HOUNDG8 (IS-TF 307 SEL)	9.0	5.7	96.3	68.3	9.0	6.3	93.3	60.0	9.0	5.3	88.3	58.3
INSPIRATION (PST-R5NW)	8.0	6.3	90.0	71.7	8.3	7.3	81.7	63.3	8.0	5.0	85.0	58.3
IS-TF 276 M2	8.7	6.3	91.7	60.0	8.7	7.3	85.0	70.0	8.3	5.7	88.3	58.3
MERIDIAN (PST-5GRB)	9.0	8.0	96.3	81.7	8.7	8.3	94.3	83.3	8.3	6.0	89.7	58.3
MET-3	9.0	6.0	91.7	63.3	8.3	6.7	85.0	66.7	8.7	6.0	90.0	58.3
PST-5MVD	9.0	6.3	93.3	65.0	9.0	7.0	95.0	70.0	8.3	5.3	88.3	58.3
RAIN DANCE (PST-5SDT)	9.0	6.7	95.0	70.0	8.7	7.3	88.3	73.3	8.0	5.7	86.7	58.3
SALTILLO (PST-5SALT)	9.0	7.0	94.7	66.7	9.0	7.3	93.3	78.3	8.3	6.0	90.0	58.3
TECHNIQUE (RZ2)	9.0	7.3	91.3	76.7	8.0	7.0	86.3	71.7	8.7	6.3	94.7	58.3
ATF 1754	9.0	5.3	91.7	55.0	8.7	6.3	86.7	58.3	8.7	5.3	90.0	56.7
FAYETTE (IS-TF 291)	8.7	8.0	95.0	83.3	8.7	8.3	94.7	76.7	9.0	6.7	90.0	56.7
JS 809	8.7	5.7	91.3	61.7	8.3	6.0	90.0	66.7	8.7	6.7	88.3	56.7
PPG-TF-138	8.7	6.3	91.7	63.3	8.0	5.7	80.0	58.3	8.3	5.7	86.7	56.7
ROWDY (SRX-TPC)	9.0	6.7	95.0	70.0	9.0	7.0	96.3	78.3	9.0	6.0	96.0	56.7
SWAGGER (PST-5R05)	8.7	6.7	93.3	68.3	8.7	7.7	96.3	75.0	8.7	5.0	90.0	56.7
TURFWAY (IS-TF 282 M2)	9.0	5.7	93.3	61.7	9.0	6.3	93.3	61.7	9.0	6.3	93.3	56.7
AVENGER II (PPG-TF-156)	9.0	7.7	99.0	83.3	8.7	7.7	91.3	70.0	8.7	5.3	90.0	55.0
FESNOVA	9.0	6.0	88.3	61.7	9.0	7.0	93.3	66.7	8.3	5.7	90.0	55.0
FOXHOUND (IS-TF 284 M2)	8.7	6.3	88.3	66.7	8.3	7.3	85.0	71.7	9.0	6.3	90.0	55.0
FRONTLINE (EXP TF-09)	7.3	4.3	78.3	46.7	6.7	5.3	76.7	61.7	7.7	4.7	86.7	55.0
JS 818	9.0	5.7	91.7	61.7	8.7	7.0	95.0	63.3	8.7	5.3	90.0	55.0
LEONARDO (LTP-FSD)	9.0	6.0	93.3	70.0	9.0	7.7	94.7	73.3	8.7	5.7	90.0	55.0
PSG-TT4	8.3	5.7	86.7	61.7	8.3	6.7	86.7	63.3	7.7	4.7	83.3	55.0
REGENERATE	9.0	8.0	91.7	81.7	7.7	7.0	81.7	73.3	9.0	6.0	93.3	55.0
RHIZING MOON (IS-TF 305 SEL)	8.7	5.7	91.3	63.3	8.0	6.3	86.7	65.0	8.3	6.0	80.0	55.0
TERRANO	9.0	5.7	91.7	60.0	9.0	6.7	95.0	66.7	9.0	5.0	90.0	55.0
204 RES. BLK4	8.7	4.3	88.3	51.7	8.3	5.7	90.0	63.3	9.0	5.0	91.3	53.3
AQUADUCT	7.7	6.0	81.7	61.7	8.0	7.0	83.3	66.7	8.3	6.0	85.0	53.3
ATF 1612	9.0	7.7	93.3	76.7	8.3	7.3	90.0	65.0	8.7	5.3	91.7	53.3
ATF 1736	9.0	5.3	91.7	53.3	8.7	6.3	88.3	58.3	8.3	5.3	90.0	53.3
BAR FA 121095	8.7	5.7	93.3	60.0	9.0	6.3	85.0	61.7	8.7	5.0	86.7	53.3
THOR (PPG-TF-157)	9.0	6.0	93.0	66.7	9.0	7.0	93.3	60.0	9.0	4.7	91.7	53.3

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 11. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
 2015 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 15				AFTER TRAFFIC IN FALL (NOVEMBER 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
W41	9.0	6.7	94.7	70.0	8.3	7.0	84.7	61.7	8.7	5.0	90.0	53.3
ANNIHILATOR	8.3	5.7	81.7	58.3	8.3	6.7	83.3	68.3	8.0	4.7	86.7	51.7
FIREWALL (PSG-WE1)	8.3	6.0	91.3	66.7	6.7	5.7	71.7	60.0	7.0	5.0	76.7	51.7
BAR FA 121091	8.0	6.3	83.0	65.0	8.0	7.0	81.7	73.3	8.3	5.3	85.0	50.0
BLOODHOUND (MET 6 SEL)	9.0	5.7	97.7	63.3	9.0	6.0	96.3	61.7	9.0	5.0	94.7	50.0
DYNAMITE LS (PPG-TF-145)	8.3	5.3	93.3	53.3	8.7	6.0	93.0	61.7	9.0	5.7	86.7	50.0
JS 819	7.7	5.0	81.7	58.3	7.7	6.0	76.7	65.0	8.0	5.3	83.3	50.0
JS 825	7.7	5.3	85.0	61.7	7.7	6.0	86.7	61.7	8.0	5.0	81.7	50.0
PST-5DZP	9.0	5.3	91.7	60.0	8.3	6.0	85.0	63.3	8.0	4.7	85.0	50.0
UNITUS (IS-TF 289)	8.7	6.0	91.7	65.0	8.0	6.7	81.3	61.7	8.0	5.0	85.0	50.0
WICHITA (PPG-TF-151)	9.0	5.7	93.3	65.0	9.0	6.3	94.7	65.0	9.0	4.7	93.3	50.0
ARES (PPG-TF-142)	8.7	5.3	90.0	56.7	8.3	6.0	86.7	65.0	8.7	5.3	88.3	48.3
BAR FA 121089	8.3	4.3	86.7	48.3	8.3	6.0	86.7	60.0	8.3	4.3	90.0	48.3
FAITH	8.0	5.0	88.3	56.7	6.7	6.3	68.3	56.7	7.7	4.7	78.3	48.3
FALCON IV	8.3	5.7	88.3	56.7	8.0	6.3	86.7	68.3	8.3	4.3	85.0	48.3
K12-05	9.0	6.3	96.3	68.3	8.7	6.3	95.0	65.0	9.0	5.3	93.3	48.3
PPG-TF-115	8.3	6.0	93.0	61.7	8.0	7.3	80.0	60.0	8.0	5.3	85.0	48.3
BAR FA 120878	7.0	5.3	65.0	50.0	6.3	5.7	65.0	55.0	7.0	4.7	71.7	46.7
MARAUDER	8.0	4.7	86.7	48.3	8.3	5.7	88.0	55.0	8.3	4.0	90.0	46.7
TEMPTATION (OR-21)	8.0	4.0	85.0	45.0	7.3	4.7	76.7	45.0	8.0	4.3	83.3	46.7
FALCON V	9.0	6.3	91.7	68.3	8.3	4.7	90.0	53.3	8.3	4.7	91.7	43.3
PARAMOUNT (PPG-TF-137)	8.7	6.0	93.0	63.3	8.3	6.0	90.0	58.3	8.3	4.3	90.0	43.3
THUNDERSTRUCK (TD1)	9.0	4.0	91.7	50.0	8.3	4.7	88.0	50.0	8.0	4.7	86.7	43.3
WARHAWK	7.7	4.7	78.3	50.0	8.0	6.0	80.0	60.0	8.3	3.7	81.7	41.7
AMITY (CCR2)	9.0	5.3	91.7	55.0	8.3	5.0	88.0	50.0	8.7	4.0	88.3	40.0
KY-31	6.0	4.0	58.3	36.7	5.7	5.0	63.3	46.7	6.0	3.3	61.7	31.7
LSD VALUE	0.8	2.4	9.2	20.1	2.3	2.3	38.9	28.0	1.7	2.7	13.4	29.7
C.V. (%)	5.6	18.4	5.9	15.8	10.3	15.7	11.9	15.9	8.0	20.0	7.1	18.6

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

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

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

TABLE 12.

PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/  
GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/  
2015 DATA

NAME	PREWEAR	WEAR	POSTWEAR	NAME	PREWEAR	WEAR	POSTWEAR
	8_25	8_25	11_6		W8_25	8_25	11_6
BULLSEYE	99	99	80.0	REBOUNDER (PICK-W43)	99	99	73.3
IS-TF 276 M2	99	99	80.0	PSG-GSD	99	99	73.3
NIGHTCRAWLER (IS-TF 285)	99	99	80.0	PSG-TT4	99	99	73.3
RHAMBLER 2 SRP (LSD)	99	99	80.0	PST-5DZP	99	99	73.3
ARES (PPG-TF-142)	99	99	78.3	BAR FA 120878	99	99	71.7
HOT ROD (BURL TF-136)	99	99	78.3	COMP. RES. SST	99	99	71.7
IS-TF 272	99	99	78.3	FALCON V	99	99	71.7
IS-TF-287	99	99	78.3	JS 825	99	99	71.7
K12-MCD	99	99	78.3	JS 916	99	99	71.7
RAD-TF-92	99	99	78.3	KINGDOM (DB1)	99	99	71.7
ATF 1736	99	99	76.7	LEONARDO (LTP-FSD)	99	99	71.7
ATF 1754	99	99	76.7	BLOODHOUND (MET 6 SEL)	99	99	71.7
FAITH	99	99	76.7	PPG-TF-169	99	99	71.7
GTO (BURL TF-2)	99	99	76.7	PSG-8BP2	99	99	71.7
HEMI	99	99	76.7	PST-5BRK	99	99	71.7
INSPIRATION (PST-R5NW)	99	99	76.7	OLYMPUS (RAD-TF-88)	99	99	71.7
PARAMOUNT (PPG-TF-137)	99	99	76.7	SALTILLO (PST-5SALT)	99	99	71.7
RAIN DANCE (PST-5SDT)	99	99	76.7	SWAGGER (PST-5R05)	99	99	71.7
TECHNIQUE (RZ2)	99	99	76.7	THUNDERSTRUCK (TD1)	99	99	71.7
AQUADUCT	99	99	75.0	W41	99	99	71.7
ATF 1704	99	99	75.0	XTENDER (PPG-TF-139)	99	99	71.7
CATALYST	99	99	75.0	4TH MILLENNIUM SRP (U43)	99	99	70.0
FIREBIRD 2	99	99	75.0	ANNIHILATOR	99	99	70.0
FIRECRACKER SLS (PPG-TF-105)	99	99	75.0	BAR FA 121091	99	99	70.0
UNITUS (IS-TF 289)	99	99	75.0	BIZEM	99	99	70.0
IS-TF 308 SEL	99	99	75.0	AMITY (CCR2)	99	99	70.0
MET-3	99	99	75.0	F711	99	99	70.0
PPG-TF-138	99	99	75.0	FIREWALL (PSG-WE1)	99	99	70.0
PPG-TF-172	99	99	75.0	FOXHOUND (IS-TF 284 M2)	99	99	70.0
PSG-PO1	99	99	75.0	FRONTLINE (EXP TF-09)	99	99	70.0
PST-5EX2	99	99	75.0	MEMPHIS (GO-DFR)	99	99	70.0
RAD-TF-89	99	99	75.0	RHIZING MOON (IS-TF 305 SEL)	99	99	70.0
RAPTOR III (ZW 44)	99	99	75.0	MET 1	99	99	70.0
ROWDY (SRX-TPC)	99	99	75.0	PPG-TF-115	99	99	70.0
THOR (PPG-TF-157)	99	99	75.0	'COMMANDER (PPG-TF-170)	99	99	70.0
TITANIUM 2LS (PPG-TF-152)	99	99	75.0	PST-5MVD	99	99	70.0
B23	99	99	73.3	REFLECTION (U45)	99	99	70.0
BAR FA 121095	99	99	73.3	SCREAMER LS (PPG-TF-148)	99	99	70.0
EMBRACE (PST-5EV2)	99	99	73.3	TEMPLE (DZ1)	99	99	70.0
FALCON IV	99	99	73.3	TRAVERSE 2 SRP (W45)	99	99	70.0
FAYETTE (IS-TF 291)	99	99	73.3	DIABLO (IS-TF 330)	99	99	68.3
GRANDE 3	99	99	73.3	DYNAMITE LS (PPG-TF-145)	99	99	68.3
HOUND0G8 (IS-TF 307 SEL)	99	99	73.3	IS-TF 269 SEL	99	99	68.3
IS-TF 311	99	99	73.3	JS 809	99	99	68.3
JS 819	99	99	73.3	JS 818	99	99	68.3
K12-05	99	99	73.3	PPG-TF-135	99	99	68.3
MERIDIAN (PST-5GRB)	99	99	73.3	TURFWAY (IS-TF 282 M2)	99	99	68.3

TABLE 12. PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/  
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/  
 2015 DATA

NAME	PREWEAR 8_25	WEAR 8_25	POSTWEAR 11_6
WARHAWK	99	99	68.3
BAR FA 121089	99	99	67.5
RAD-TF-83	99	99	67.5
MARAUDER	99	99	66.7
REGENERATE	99	99	66.7
TERRANO	99	99	66.7
CAESAR (TY 10)	99	99	65.0
HOVER (BURL TF-69)	99	99	65.0
CROSSFIRE 4 (IS-TF 310 SEL)	99	99	65.0
WICHITA (PPG-TF-151)	99	99	65.0
TEMPTATION (OR-21)	99	99	65.0
204 RES. BLK4	99	99	63.3
ATF 1612	99	99	63.3
AVENGER II (PPG-TF-156)	99	99	63.3
BLACK TAIL (PPG-TF-150)	99	99	63.3
FESNOVA	99	99	63.3
PST-5BP0	99	99	63.3
ROCKWELL (LTP-TWJU)	99	99	63.3
MAESTRO (T31)	99	99	61.7
MICHELANGELO (LTP-F5DPDR)	99	99	60.0
K12-13	99	99	53.3
KY-31	99	99	41.7
LSD VALUE	0	0	17.2
C.V. (%)	0	0	10.2

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.

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
 2015 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS									QUALITY RATINGS			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 12	PRETRAFFIC OCT 13 10 GAME	AFTER TRAFFIC NOV 17 20 GAME	RECOVERY DEC 1 2-WEEKS	RECOVERY DEC 15 1-MONTH
FIRECRACKER SLS (PPG-TF-105)	7.0	7.3	7.3	8.0	7.7	8.3	8.0	8.0	8.0	7.7	7.7	7.7	7.3	7.3
ARES (PPG-TF-142)	7.7	7.3	7.3	8.0	8.0	8.7	9.0	8.7	7.7	8.7	7.7	7.3	7.3	7.0
FALCON IV	6.7	7.3	7.3	8.0	8.3	8.7	8.0	8.0	8.3	7.0	7.3	7.3	7.3	7.0
HEMI	7.0	8.3	8.0	8.0	8.7	8.3	8.0	8.3	8.7	7.7	6.7	8.0	7.3	7.0
RAD-TF-89	7.0	8.0	8.0	8.3	8.0	8.0	8.3	7.7	8.0	8.0	6.7	6.7	6.7	7.0
WARHAWK	6.3	8.3	8.0	8.0	8.0	8.7	8.0	8.0	8.7	8.0	7.3	7.7	7.7	7.0
ATF 1612	7.0	7.3	7.0	7.7	8.0	8.7	8.0	8.0	8.3	8.0	6.7	7.3	7.0	6.7
ATF 1736	7.0	8.3	8.0	8.0	8.0	9.0	8.0	8.3	8.0	8.0	7.3	8.0	7.3	6.7
AVENGER II (PPG-TF-156)	7.0	8.0	7.7	8.0	8.0	8.7	8.0	8.3	8.7	8.0	7.0	7.3	7.0	6.7
B23	7.3	6.7	6.7	7.3	7.7	8.3	8.7	8.3	8.0	8.3	6.7	7.0	6.7	6.7
BAR FA 121089	7.0	7.3	7.3	7.7	8.0	8.0	7.7	7.3	8.7	7.7	7.0	7.3	7.3	6.7
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	8.0	7.3	7.7	8.3	9.0	8.3	8.7	8.0	8.3	7.3	7.3	6.7	6.7
FALCON V	6.3	8.0	7.7	7.7	8.3	8.7	8.0	8.0	8.0	7.7	7.0	7.7	7.3	6.7
FAYETTE (IS-TF 291)	7.3	7.3	7.3	7.7	8.0	8.3	8.3	8.7	8.3	8.3	7.0	7.0	7.0	6.7
FESNOVA	7.0	7.3	7.7	7.7	8.3	8.7	8.0	8.0	8.3	7.7	7.3	7.0	6.3	6.7
K12-05	6.7	7.0	7.0	7.3	8.0	9.0	8.7	8.7	8.3	8.0	7.7	7.0	7.0	6.7
K12-13	7.7	7.3	7.0	7.7	8.3	8.7	8.7	8.7	8.3	8.3	7.0	7.0	7.0	6.7
MAESTRO (T31)	7.3	8.0	7.7	8.3	8.3	8.7	8.0	8.7	8.0	8.0	7.0	7.0	7.0	6.7
PPG-TF-115	7.0	7.7	7.3	8.3	8.0	8.7	8.0	8.3	8.3	7.7	7.3	7.3	7.0	6.7
PPG-TF-169	7.0	7.7	8.0	7.7	8.7	8.3	8.0	8.0	8.0	8.0	6.7	7.0	7.0	6.7
PST-5DZP	7.0	7.7	7.3	7.7	8.7	9.0	8.3	8.0	8.3	8.0	7.7	7.3	7.3	6.7
RAPTOR III (ZW 44)	7.0	7.7	7.0	7.7	8.3	8.0	8.3	9.0	8.3	8.0	7.0	7.3	7.0	6.7
RHAMBLER 2 SRP (LSD)	7.3	7.7	7.3	7.7	8.3	8.7	8.0	8.3	8.0	7.7	7.0	7.7	7.0	6.7
RHIZING MOON (IS-TF 305 SEL)	7.7	8.0	7.7	7.7	8.7	9.0	8.3	9.0	8.3	8.7	7.3	7.7	7.0	6.7
ROWDY (SRX-TPC)	7.7	7.0	7.0	7.3	7.7	8.7	8.3	8.0	8.3	8.3	7.0	7.7	6.7	6.7
TEMPTATION (OR-21)	7.7	8.0	7.7	8.3	8.7	8.7	8.3	8.7	8.0	8.3	7.0	7.0	6.7	6.7
THOR (PPG-TF-157)	6.7	7.0	7.0	8.0	8.0	8.3	8.3	8.7	8.0	7.7	7.0	6.7	6.7	6.7
TITANIUM 2LS (PPG-TF-152)	6.7	7.3	7.3	7.7	8.0	8.3	8.3	8.0	8.3	8.0	7.0	7.3	7.0	6.7
TRAVERSE 2 SRP (W45)	8.0	8.0	8.0	8.0	9.0	9.0	8.0	8.7	8.7	7.7	6.3	7.0	7.0	6.7
TURFWAY (IS-TF 282 M2)	7.7	7.3	7.3	8.3	8.0	9.0	8.7	8.7	8.3	8.7	6.3	7.0	6.7	6.7
WICHITA (PPG-TF-151)	7.3	8.0	7.7	7.7	8.3	8.3	8.0	8.0	8.3	8.0	7.0	7.7	7.3	6.7
4TH MILLENNIUM SRP (U43)	7.3	7.3	7.3	7.7	8.0	7.0	7.0	8.3	8.7	8.0	6.0	7.3	6.3	6.3
ATF 1704	7.0	7.7	7.3	7.7	8.3	8.7	8.0	8.3	8.3	8.3	7.0	7.0	6.3	6.3
DIABLO (IS-TF 330)	7.3	7.3	7.0	7.3	7.7	8.7	8.3	9.0	8.3	8.3	8.0	7.3	6.7	6.3
DYNAMITE LS (PPG-TF-145)	7.0	6.3	6.7	7.0	7.7	8.7	8.3	8.7	9.0	8.3	6.7	6.7	6.7	6.3
FIREWALL (PSG-WE1)	7.3	7.3	7.0	7.7	8.3	8.7	8.3	8.7	8.7	8.3	7.0	7.3	6.7	6.3
FOXHOUND (IS-TF 284 M2)	7.7	8.0	8.0	8.0	8.3	9.0	8.7	8.7	8.3	8.0	7.0	7.0	6.3	6.3
GRANDE 3	7.0	7.7	7.3	8.3	8.7	8.7	8.3	8.7	8.7	7.7	7.3	7.3	7.3	6.3
HOT ROD (BURL TF-136)	7.3	7.7	7.3	8.0	8.3	9.0	8.3	8.7	8.3	8.3	6.3	7.3	7.0	6.3
INSPIRATION (PST-R5NW)	7.3	7.3	6.7	7.3	8.0	8.3	8.0	8.3	8.7	8.0	8.0	7.3	6.3	6.3
IS-TF 269 SEL	7.7	7.0	6.7	7.3	8.0	9.0	8.3	9.0	9.0	8.3	6.7	6.7	6.0	6.3
IS-TF 272	7.3	7.3	7.0	7.7	8.0	9.0	9.0	8.3	8.0	8.3	7.3	7.3	6.7	6.3
IS-TF 276 M2	7.0	7.0	7.3	7.0	8.0	9.0	8.3	8.3	8.0	8.0	7.7	7.3	6.7	6.3
IS-TF 308 SEL	7.0	7.3	7.0	7.0	8.0	8.3	8.7	9.0	8.3	8.0	7.3	6.7	6.7	6.3
IS-TF-287	6.7	7.3	7.0	8.0	8.3	8.3	8.3	8.3	8.7	7.7	7.3	6.7	6.3	6.3

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 13. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
 2015 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	QUALITY RATINGS										QUALITY RATINGS			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	PRETRAFFIC SEP 12	AFTER TRAFFIC OCT 13 10 GAME	NOV 17 20 GAME	RECOVERY DEC 1 2-WEEKS	RECOVERY DEC 15 1-MONTH	
K12-MCD	6.7	7.0	6.7	7.3	7.7	8.3	8.0	7.7	7.7	7.3	7.0	6.7	6.0	6.3	
LEONARDO (LTP-FSD)	7.0	7.7	7.7	7.7	8.7	8.3	8.0	8.0	8.3	7.7	6.7	6.7	6.7	6.3	
MEMPHIS (GO-DFR)	7.0	7.7	7.7	8.3	9.0	9.0	7.3	8.0	8.0	8.0	7.7	6.7	7.0	6.3	
NIGHTCRAWLER (IS-TF 285)	7.3	7.0	7.7	7.0	8.0	8.3	8.0	8.3	8.7	7.7	6.7	6.3	6.0	6.3	
PARAMOUNT (PPG-TF-137)	7.0	7.3	7.0	7.3	7.7	8.7	8.3	8.0	8.3	8.0	6.7	7.0	6.3	6.3	
'COMMANDER (PPG-TF-170)	7.3	7.3	6.7	7.3	8.0	8.3	8.3	8.3	8.0	7.7	7.3	7.3	6.7	6.3	
PSG-8BP2	7.0	7.3	7.0	7.7	7.7	8.3	8.0	8.0	8.0	7.7	7.3	7.3	6.7	6.3	
PSG-PO1	7.0	7.0	7.3	8.0	8.0	8.0	8.3	8.3	8.3	8.3	6.7	6.7	6.7	6.3	
PST-5BPO	7.0	7.3	7.3	8.0	8.0	8.3	8.0	8.3	8.0	7.7	7.3	6.7	6.7	6.3	
PST-5MVD	6.3	7.0	6.7	7.3	7.7	8.7	8.0	8.7	8.0	7.7	7.7	6.3	6.3	6.3	
REFLECTION (U45)	7.7	7.7	7.3	8.0	8.0	9.0	8.3	8.7	9.0	8.0	7.0	7.3	7.0	6.3	
SCREAMER LS (PPG-TF-148)	7.0	7.0	6.7	8.0	8.0	8.3	8.7	8.0	8.0	8.0	6.3	7.0	6.3	6.3	
TEMPLE (DZ1)	7.3	7.7	8.0	7.3	8.0	8.0	8.0	8.3	8.3	8.0	5.0	6.7	6.0	6.3	
THUNDERSTRUCK (TD1)	8.0	8.0	7.7	7.7	8.0	8.3	8.3	8.7	8.0	8.3	6.3	7.3	6.7	6.3	
UNITUS (IS-TF 289)	7.0	7.3	7.3	7.7	8.3	9.0	8.7	8.3	8.0	8.0	7.7	6.3	6.7	6.3	
XTENDER (PPG-TF-139)	7.3	7.3	7.0	7.7	8.0	8.7	8.7	8.3	8.3	8.3	7.0	7.0	6.7	6.3	
AMITY (CCR2)	7.0	7.0	6.7	8.0	8.0	8.7	8.3	8.7	8.3	8.0	6.3	6.3	6.0	6.0	
AQUADUCT	6.3	7.3	7.3	7.7	8.0	8.3	8.0	8.0	8.0	7.3	7.3	7.0	6.3	6.0	
ATF 1754	6.3	7.7	7.7	7.7	8.3	9.0	8.0	8.0	8.0	7.7	6.0	7.0	6.7	6.0	
BAR FA 120878	6.0	6.7	6.3	7.0	7.3	7.3	7.3	7.7	8.0	7.3	7.0	6.0	6.0	6.0	
BAR FA 121091	6.7	8.0	7.3	7.7	7.7	8.3	8.0	8.3	8.3	7.7	7.7	6.7	6.0	6.0	
BAR FA 121095	6.0	7.3	7.0	7.3	8.0	8.0	7.7	8.3	8.3	7.0	7.7	6.3	6.0	6.0	
BIZEM	7.0	7.0	6.7	7.3	8.0	8.7	8.3	8.3	9.0	8.0	7.0	6.3	6.0	6.0	
CATALYST	7.0	7.0	6.7	8.0	8.3	8.7	8.0	8.0	8.0	8.0	6.3	6.0	6.0	6.0	
COMP. RES. SST	6.3	7.0	6.7	7.3	7.7	8.0	8.0	8.3	8.3	7.7	5.7	7.0	6.3	6.0	
EMBRACE (PST-5EV2)	6.7	7.0	6.3	7.0	7.3	8.3	8.3	8.3	8.3	7.7	7.0	6.3	6.3	6.0	
F711	7.3	7.0	7.0	7.7	7.7	8.0	8.3	8.7	8.3	8.3	6.7	6.7	6.3	6.0	
FAITH	7.3	7.0	7.0	7.3	8.0	8.0	8.0	8.7	8.3	8.0	6.7	7.0	6.3	6.0	
FIREBIRD 2	6.7	7.7	7.0	7.0	8.0	7.7	7.3	8.3	8.0	7.0	6.3	6.3	6.3	6.0	
FRONTLINE (EXP TF-09)	7.0	7.0	7.0	7.3	8.3	8.7	8.0	8.0	8.3	7.7	7.0	6.3	6.3	6.0	
GTO (BURL TF-2)	7.3	8.0	7.0	8.3	8.7	9.0	8.0	8.3	8.3	8.0	7.0	7.3	6.7	6.0	
HOVER (BURL TF-69)	7.0	7.0	7.0	7.7	8.0	8.3	8.3	8.3	8.3	7.7	7.0	7.0	6.7	6.0	
IS-TF 311	6.7	7.3	7.0	8.0	8.3	9.0	8.3	8.3	8.3	7.7	7.3	6.7	6.7	6.0	
MERIDIAN (PST-5GRB)	6.3	7.0	6.7	7.7	8.3	9.0	8.0	8.0	8.3	8.3	7.7	7.0	6.3	6.0	
MET 1	7.0	7.3	6.7	7.3	7.3	8.0	8.0	8.7	8.7	8.0	7.3	7.0	6.7	6.0	
OLYMPUS (RAD-TF-88)	6.0	7.3	6.3	7.0	8.0	8.0	8.7	8.7	8.3	7.3	7.7	7.0	6.7	6.0	
PPG-TF-135	7.3	7.0	6.7	7.0	7.7	8.3	8.3	8.3	8.3	8.3	5.7	6.0	6.0	6.0	
PPG-TF-172	7.0	7.3	7.3	7.7	8.7	9.0	8.3	8.3	8.3	8.0	7.3	7.3	6.7	6.0	
PSG-GSD	6.0	7.3	7.0	7.0	7.3	8.0	7.7	8.0	8.0	7.7	7.0	7.0	6.7	6.0	
RAD-TF-92	6.3	7.3	7.3	8.0	8.0	8.7	9.0	8.7	7.7	7.0	6.3	6.7	6.3	6.0	
ROCKWELL (LTP-TWUU)	7.7	7.7	7.3	8.0	8.3	8.3	8.3	8.3	8.0	8.0	6.7	7.0	6.3	6.0	
SALTILLO (PST-5SALT)	6.0	7.0	6.7	7.3	7.7	8.3	8.0	8.3	8.0	7.7	7.0	6.7	6.3	6.0	
TERRANO	7.0	7.3	7.3	7.3	8.3	8.7	8.0	8.3	7.3	7.3	6.3	6.0	6.0	6.0	
204 RES. BLK4	5.7	6.7	7.0	7.3	7.7	8.3	8.0	8.3	8.0	7.7	5.7	6.0	6.0	5.7	
ANNIHILATOR	5.7	6.7	6.7	7.0	7.7	8.0	8.0	8.0	8.3	6.3	6.3	6.3	6.3	5.7	



TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								PRETRAFFIC SEP 12	QUALITY RATINGS			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		AFTER TRAFFIC OCT 13 10 GAME	TRAFFIC NOV 17 20 GAME	RECOVERY DEC 1 2-WEEKS	RECOVERY DEC 15 1-MONTH
BULLSEYE	6.7	7.3	7.3	7.7	8.0	8.3	8.0	8.0	8.3	7.7	6.0	6.7	6.0	5.7
CAESAR (TY 10)	7.7	7.0	7.0	7.0	7.7	7.7	7.7	8.3	8.0	7.7	5.7	5.7	5.7	5.7
HOUNDG8 (IS-TF 307 SEL)	7.0	7.0	6.7	7.7	8.3	8.7	8.7	8.7	8.3	8.0	8.0	6.0	6.0	5.7
JS 809	6.7	6.7	6.3	7.0	8.0	8.0	8.3	8.3	8.0	7.7	6.3	6.7	6.3	5.7
KINGDOM (DB1)	7.3	6.3	6.0	7.0	7.7	8.3	8.3	8.7	8.0	7.7	6.3	6.7	6.0	5.7
MARAUDER	6.7	6.7	6.3	7.0	7.3	8.3	8.0	8.0	8.3	7.7	6.3	6.0	6.0	5.7
PPG-TF-138	6.3	7.3	7.7	7.3	7.3	7.7	8.3	8.7	8.0	8.0	6.0	6.0	6.0	5.7
PSG-TT4	6.7	7.0	6.7	7.7	8.0	8.3	8.0	8.0	8.3	7.7	7.3	6.0	6.0	5.7
PST-5BRK	6.3	7.3	6.7	7.0	7.7	7.7	7.7	8.3	8.7	7.3	6.7	6.0	5.7	5.7
RAD-TF-83	5.7	7.3	6.7	7.7	8.0	8.3	8.3	8.7	8.7	6.7	6.3	6.0	5.7	5.7
RAIN DANCE (PST-5SDT)	6.0	6.7	6.7	7.7	8.0	8.0	8.3	7.7	8.0	7.0	7.0	6.0	6.0	5.7
REBOUNDER (PICK-W43)	7.3	7.0	7.3	8.0	8.3	8.7	8.3	8.3	8.3	8.0	6.7	6.7	6.0	5.7
SWAGGER (PST-5R05)	6.3	8.3	7.3	7.7	7.7	7.7	8.0	8.0	8.0	7.7	7.0	6.7	6.3	5.7
TECHNIQUE (RZ2)	7.0	7.7	7.0	7.7	8.3	8.7	8.0	8.0	7.7	8.0	7.0	6.3	6.0	5.7
W41	8.0	7.3	7.0	7.7	7.7	8.7	8.7	9.0	9.0	8.3	6.7	6.7	6.0	5.7
BLACK TAIL (PPG-TF-150)	7.0	6.7	6.7	7.7	8.3	8.7	8.3	8.7	8.7	8.0	6.7	5.7	5.0	5.3
BLOODHOUND (MET 6 SEL)	7.0	6.7	6.0	7.3	7.7	8.0	8.0	8.0	8.3	7.3	6.0	5.0	5.7	5.3
JS 818	6.7	6.7	6.7	7.0	7.3	8.0	8.3	8.3	8.3	7.3	6.3	5.7	6.0	5.3
JS 819	7.0	7.0	7.0	7.3	7.7	8.7	8.0	8.0	8.7	7.7	6.3	6.3	6.0	5.3
JS 825	6.3	6.3	6.3	6.7	7.0	8.0	8.0	8.0	8.7	7.7	6.7	6.3	6.0	5.3
JS 916	6.7	7.3	6.7	7.0	7.0	8.0	8.0	8.3	8.3	8.0	5.7	5.7	5.7	5.3
KY-31	4.3	6.7	6.3	6.3	6.7	7.3	6.7	7.0	8.3	6.0	5.7	5.3	5.3	5.3
MET-3	6.7	7.3	7.0	8.0	8.0	8.7	8.3	8.0	8.3	7.7	7.0	7.0	6.3	5.3
PST-5EX2	5.7	7.0	7.3	6.7	7.0	6.7	7.0	8.0	8.3	7.0	4.7	5.0	5.0	5.3
REGENERATE	8.0	6.0	6.7	6.3	7.3	8.0	8.0	8.0	7.7	8.0	5.3	5.3	4.7	5.0
MICHELANGELO (LTP-F5DPDR)	6.7	6.7	6.3	7.0	7.3	8.0	8.3	8.0	8.0	7.7	5.3	5.3	5.3	4.7
LSD VALUE	1.3	.	.	.	.	.	.	.	.	1.1	2.3	3.9	3.0	3.0
C.V. (%)	9.7	.	.	.	.	.	.	.	.	7.0	13.2	15.1	13.4	12.8

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

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

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER RATINGS							RECOVERY FROM TRAFFIC	
	MARCH	MAY	AUGUST	PRETRAFFIC SEP 19	AFTER TRAFFIC OCT 13 10 GAME	NOV 17 20 GAME	DEC 1 2-WEEKS	DEC 15 1-MONTH	
FIRECRACKER SLS (PPG-TF-105)	94.3	97.7	93.3	96.3	28.3	88.7	84.3	79.7	
ARES (PPG-TF-142)	92.7	98.0	95.7	97.3	38.0	84.7	80.7	76.7	
FALCON IV	95.7	97.7	93.7	96.3	28.3	87.3	83.0	78.0	
HEMI	95.0	97.3	93.0	96.3	58.3	86.7	82.0	77.0	
RAD-TF-89	92.0	97.3	95.0	96.3	83.7	76.0	75.3	74.3	
WARHAWK	91.7	97.7	93.7	96.7	54.7	85.0	81.0	76.3	
ATF 1612	93.3	97.7	94.3	97.0	51.0	81.0	77.3	74.3	
ATF 1736	96.7	98.0	93.3	97.3	18.7	88.0	83.0	78.0	
AVENGER II (PPG-TF-156)	94.0	97.3	93.7	96.7	51.0	80.3	76.0	72.0	
B23	86.7	97.3	94.7	97.3	47.0	76.7	74.3	72.0	
BAR FA 121089	89.0	97.7	92.0	96.7	40.7	80.7	77.3	73.3	
CROSSFIRE 4 (IS-TF 310 SEL)	91.3	97.7	92.7	96.7	44.0	81.0	76.3	71.7	
FALCON V	92.7	97.3	93.7	97.0	65.0	88.7	84.0	79.3	
FAYETTE (IS-TF 291)	87.3	97.7	94.0	96.7	50.7	77.7	76.0	74.7	
FESNOVA	87.3	97.7	93.3	96.0	50.3	73.3	70.0	66.3	
K12-05	90.7	98.0	93.3	96.7	40.3	76.0	73.7	71.3	
K12-13	92.3	98.0	93.3	97.0	50.7	78.0	77.0	76.7	
MAESTRO (T31)	93.3	98.0	94.0	97.0	37.7	82.3	78.3	74.7	
PPG-TF-115	97.0	97.7	93.3	97.0	41.3	82.7	79.0	75.3	
PPG-TF-169	93.3	97.7	93.3	96.3	64.3	82.3	77.0	71.7	
PST-5DZP	94.7	97.7	94.3	97.0	45.0	84.3	79.0	73.7	
RAPTOR III (ZW 44)	90.3	98.0	94.0	96.7	37.3	79.0	76.7	75.3	
RHAMBLER 2 SRP (LSD)	91.3	98.0	94.3	96.7	38.0	85.7	82.0	77.7	
RHIZING MOON (IS-TF 305 SEL)	92.0	97.3	94.7	97.0	51.3	84.7	80.0	75.3	
ROWDY (SRX-TPC)	87.0	97.7	92.7	96.7	47.7	82.0	76.0	70.0	
TEMPTATION (OR-21)	93.3	97.0	93.0	96.7	54.0	76.3	74.0	71.3	
THOR (PPG-TF-157)	92.0	97.0	94.0	96.7	31.0	80.0	79.0	77.7	
TITANIUM 2LS (PPG-TF-152)	90.7	97.7	93.7	96.3	24.3	81.0	76.3	72.3	
TRAVERSE 2 SRP (W45)	94.0	98.3	93.7	96.3	37.0	74.3	72.0	68.7	
TURFWAY (IS-TF 282 M2)	93.0	98.0	94.0	97.0	77.3	76.0	73.7	72.0	
WICHITA (PPG-TF-151)	90.3	97.3	94.3	96.7	41.3	83.3	81.7	79.3	
4TH MILLENNIUM SRP (U43)	80.7	90.0	92.3	96.3	60.3	74.0	69.7	64.7	
ATF 1704	95.7	97.7	93.7	97.0	74.0	81.3	76.3	71.7	
DIABLO (IS-TF 330)	90.0	98.0	94.3	97.0	31.0	81.7	76.7	71.7	
DYNAMITE LS (PPG-TF-145)	88.3	98.3	94.7	97.0	47.3	77.7	76.7	75.7	
FIREWALL (PSG-WE1)	94.7	98.0	94.0	97.0	24.0	81.3	74.3	67.7	
FOXHOUND (IS-TF 284 M2)	94.7	98.3	92.7	96.7	37.7	80.3	75.3	69.7	
GRANDE 3	93.3	98.0	94.3	95.7	65.0	85.3	79.7	73.7	
HOT ROD (BURL TF-136)	94.3	98.0	92.7	96.3	60.7	79.0	74.3	69.3	
INSPIRATION (PST-R5NW)	89.0	97.3	94.0	96.7	81.3	84.7	78.3	72.0	
IS-TF 269 SEL	88.0	98.3	95.3	96.7	50.0	71.7	68.3	65.7	
IS-TF 272	94.0	98.0	93.3	97.0	61.3	84.7	79.3	73.7	
IS-TF 276 M2	90.0	98.0	93.3	96.7	57.7	80.3	75.3	71.0	
IS-TF 308 SEL	92.0	98.7	94.0	97.0	57.7	78.7	72.7	66.3	
IS-TF-287	92.0	97.7	93.3	96.3	77.3	78.3	74.3	70.3	

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER RATINGS						RECOVERY FROM TRAFFIC	
	MARCH	MAY	AUGUST	PRETRAFFIC SEP 19	AFTER TRAFFIC OCT 13 10 GAME	NOV 17 20 GAME	DEC 1 2-WEEKS	DEC 15 1-MONTH
K12-MCD	86.0	97.3	92.3	96.3	19.7	69.0	67.7	66.7
LEONARDO (LTP-FSD)	94.7	97.0	94.0	97.0	53.7	74.7	72.3	70.0
MEMPHIS (GO-DFR)	96.0	97.7	91.7	96.3	81.0	80.3	76.0	71.7
NIGHTCRAWLER (IS-TF 285)	85.7	97.7	94.7	97.0	86.3	70.3	68.3	66.3
PARAMOUNT (PPG-TF-137)	87.7	97.3	92.0	96.7	13.3	70.0	68.3	66.3
'COMMANDER (PPG-TF-170)	90.3	98.0	93.3	96.7	60.7	80.0	76.7	73.3
PSG-8BP2	91.3	97.3	93.7	96.3	71.0	80.3	74.7	68.3
PSG-P01	92.3	97.3	94.0	97.0	47.0	74.3	73.3	72.7
PST-5BPO	95.0	98.0	93.7	97.0	70.7	78.0	73.7	69.3
PST-5MVD	89.0	96.0	94.0	97.0	70.3	74.3	71.7	69.0
REFLECTION (U45)	93.7	98.0	94.3	96.0	44.7	83.0	78.0	72.7
SCREAMER LS (PPG-TF-148)	93.3	97.7	92.3	96.3	71.0	79.0	74.3	69.3
TEMPLE (DZ1)	88.0	97.0	94.0	97.0	36.3	67.7	66.7	66.0
THUNDERSTRUCK (TD1)	93.0	97.7	94.0	96.7	88.0	82.7	79.7	76.7
UNITUS (IS-TF 289)	92.3	97.3	92.3	96.3	63.7	72.7	72.7	72.3
XTENDER (PPG-TF-139)	91.0	98.0	93.3	96.7	51.0	81.7	76.3	70.3
AMITY (CCR2)	88.3	97.7	94.0	97.0	52.7	66.3	65.0	63.3
AQUADUCT	90.7	97.7	92.0	96.3	61.0	81.0	74.0	67.3
ATF 1754	94.3	98.0	93.0	96.7	64.0	80.0	76.3	72.7
BAR FA 120878	84.3	97.3	92.7	97.3	29.7	67.3	67.7	67.3
BAR FA 121091	88.3	97.0	93.7	96.3	73.7	73.7	71.0	68.0
BAR FA 121095	87.7	97.3	93.3	96.0	43.3	74.0	69.7	65.3
BIZEM	88.7	98.0	93.3	96.3	46.3	70.0	66.7	63.3
CATALYST	88.7	97.3	92.7	96.0	49.3	64.3	63.0	61.7
COMP. RES. SST	87.3	97.3	93.7	96.7	60.7	75.0	71.7	68.0
EMBRACE (PST-5EV2)	88.7	97.3	94.0	97.0	43.3	72.0	69.0	65.7
F711	89.7	97.3	93.3	97.0	43.7	74.0	70.0	66.7
FAITH	92.3	97.7	94.3	97.0	57.3	77.7	72.3	67.0
FIREBIRD 2	79.0	93.7	92.0	96.0	59.3	63.7	63.7	63.3
FRONTLINE (EXP TF-09)	88.7	96.3	92.3	95.7	89.7	68.3	67.3	66.0
GTO (BURL TF-2)	95.0	98.0	93.7	96.0	54.7	83.0	76.0	68.7
HOVER (BURL TF-69)	89.7	97.7	94.0	96.3	67.0	73.3	68.3	63.0
IS-TF 311	94.7	98.0	92.7	96.3	37.3	77.7	72.0	65.7
MERIDIAN (PST-5GRB)	93.3	98.3	93.3	97.3	37.7	84.0	75.7	67.7
MET 1	86.3	95.3	93.3	97.0	54.0	79.7	76.3	72.7
OLYMPUS (RAD-TF-88)	84.3	97.0	94.7	96.3	87.3	77.3	72.0	66.0
PPG-TF-135	84.0	97.3	93.3	96.7	52.3	59.3	61.7	64.7
PPG-TF-172	93.0	98.0	93.0	96.7	41.0	78.7	74.7	70.7
PSG-GSD	82.7	95.7	94.3	97.0	44.7	80.7	77.7	75.3
RAD-TF-92	88.3	97.0	92.7	95.0	63.3	71.7	67.0	62.3
ROCKWELL (LTP-TWUJ)	91.7	97.3	93.0	97.0	46.7	73.0	70.7	68.0
SALTILLO (PST-5SALT)	94.7	98.3	94.3	97.3	53.3	71.3	69.7	68.0
TERRANO	86.3	98.0	93.7	96.0	52.3	62.7	62.7	62.7
204 RES. BLK4	89.3	97.0	94.0	97.3	56.3	67.7	67.0	66.0
ANNIHILATOR	82.0	96.7	94.0	95.3	43.7	72.3	68.3	64.7

TABLE 13. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/ 2015 DATA

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

NAME	PERCENT LIVING GROUND COVER RATINGS							RECOVERY FROM TRAFFIC	
	MARCH	MAY	AUGUST	PRETRAFFIC SEP 19	AFTER TRAFFIC OCT 13 10 GAME	NOV 17 20 GAME	DEC 1 2-WEEKS	DEC 15 1-MONTH	
BULLSEYE	90.0	97.3	93.3	96.0	40.0	69.7	66.3	63.7	
CAESAR (TY 10)	76.0	95.7	94.0	96.3	48.3	54.7	57.0	60.0	
HOUNDOG8 (IS-TF 307 SEL)	92.0	98.7	94.3	96.7	49.3	66.0	61.3	56.7	
JS 809	82.7	96.7	92.3	95.7	76.3	69.3	66.0	63.7	
KINGDOM (DB1)	83.0	96.3	94.3	97.0	50.0	69.7	67.0	64.0	
MARAUDER	79.0	97.0	92.0	96.7	39.3	65.0	66.3	67.7	
PPG-TF-138	85.0	96.0	94.7	97.3	32.7	62.3	62.3	62.0	
PSG-TT4	94.7	98.0	92.7	97.0	53.3	72.3	68.3	64.0	
PST-5BRK	86.7	96.3	94.3	97.0	53.0	66.0	63.0	60.0	
RAD-TF-83	91.7	97.7	94.0	95.0	53.0	65.3	62.7	59.7	
RAIN DANCE (PST-5SDT)	90.7	97.7	92.7	96.7	33.3	71.0	65.7	60.7	
REBOUNDER (PICK-W43)	90.3	97.3	95.0	96.3	29.3	67.3	64.3	61.0	
SWAGGER (PST-5R05)	91.0	96.3	93.7	97.0	66.7	71.0	68.3	65.3	
TECHNIQUE (RZ2)	87.3	96.7	92.7	96.7	41.7	61.3	59.7	57.3	
W41	89.0	97.7	94.3	96.7	53.3	71.7	67.0	61.3	
BLACK TAIL (PPG-TF-150)	90.3	98.3	94.0	96.7	65.3	59.7	55.7	51.0	
BLOODHOUND (MET 6 SEL)	85.7	97.3	92.3	96.7	51.3	53.3	56.3	59.3	
JS 818	77.7	96.3	93.3	96.7	65.3	59.3	60.0	61.0	
JS 819	82.3	97.3	93.3	96.3	42.7	64.3	64.0	63.0	
JS 825	76.7	95.0	92.7	96.7	36.3	66.3	64.0	61.7	
JS 916	69.7	94.3	92.3	97.0	51.7	55.0	53.7	52.3	
KY-31	73.3	96.3	93.3	96.3	51.0	50.7	53.7	56.3	
MET-3	92.3	98.0	94.7	96.3	60.7	77.7	71.7	66.0	
PST-5EX2	82.7	93.0	93.0	97.0	48.0	47.7	51.3	54.3	
REGENERATE	69.3	94.0	93.7	97.0	60.3	41.3	43.0	45.0	
MICHELANGELO (LTP-F5DPDR)	78.3	96.3	93.7	96.7	51.3	52.3	53.3	54.0	
LSD VALUE	30.9	6.2	7.8	1.7	180.6	56.1	44.2	34.7	
C.V. (%)	9.7	1.9	1.6	0.7	58.9	20.2	17.2	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.

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 13. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
 2015 DATA

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

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17
FIRECRACKER SLS (PPG-TF-105)	22.7	37.0	33.0	31.0	25.0	77.3	50.7	47.3	47.0	86.0
ARES (PPG-TF-142)	18.3	35.3	31.3	31.0	23.7	82.3	52.0	43.0	59.0	84.3
FALCON IV	22.7	39.3	35.0	32.0	25.3	74.7	49.7	42.7	43.7	85.0
HEMI	22.7	37.7	33.7	30.3	24.3	78.0	54.0	46.3	53.0	86.7
RAD-TF-89	21.0	36.7	33.7	30.0	24.0	91.0	52.3	38.7	58.0	82.3
WARHAWK	19.7	34.0	31.3	29.7	23.3	91.7	57.0	57.7	56.0	86.7
ATF 1612	24.0	37.7	33.7	31.7	26.0	78.0	53.7	48.7	48.0	80.0
ATF 1736	21.7	37.0	34.0	31.0	25.7	95.7	49.7	37.0	60.3	86.3
AVENGER II (PPG-TF-156)	21.0	37.7	34.0	32.7	24.7	87.3	55.7	42.0	55.0	76.7
B23	19.0	36.3	31.3	32.0	25.3	83.7	55.7	50.0	53.0	84.3
BAR FA 121089	19.7	34.3	35.7	30.0	26.7	90.0	57.0	47.0	54.7	89.7
CROSSFIRE 4 (IS-TF 310 SEL)	21.3	38.7	34.7	33.7	25.0	87.7	53.7	39.7	52.0	78.0
FALCON V	21.7	35.3	33.7	31.7	26.0	73.7	57.0	48.3	58.3	84.3
FAYETTE (IS-TF 291)	21.7	35.7	32.7	30.7	26.3	85.0	50.0	47.7	52.3	82.7
FESNOVA	20.7	37.0	35.3	31.3	26.7	80.7	47.3	51.7	52.0	82.3
K12-05	19.3	37.7	31.7	33.7	26.3	78.0	49.3	41.0	66.3	86.3
K12-13	23.0	37.0	34.3	30.0	27.7	77.7	50.7	39.3	65.3	75.7
MAESTRO (T31)	19.3	35.0	35.0	30.7	25.0	88.3	48.7	48.3	57.3	75.7
PPG-TF-115	23.3	36.3	32.0	30.7	25.0	72.0	51.0	46.0	57.3	83.3
PPG-TF-169	22.0	39.3	35.0	34.0	26.7	83.3	38.3	46.3	54.3	82.0
PST-5DZP	18.7	35.0	31.3	31.3	25.0	76.7	55.0	45.3	57.0	81.3
RAPTOR III (ZW 44)	23.0	35.7	36.3	30.0	26.0	90.3	51.0	47.3	57.3	82.0
RHAMBLER 2 SRP (LSD)	22.3	36.3	33.0	30.7	24.3	90.0	53.7	45.0	54.7	85.7
RHIZING MOON (IS-TF 305 SEL)	19.7	35.7	32.3	30.7	25.7	89.3	50.7	45.7	53.3	87.3
ROWDY (SRX-TPC)	21.3	37.7	35.7	32.0	26.7	76.0	51.7	44.3	52.3	81.7
TEMPTATION (OR-21)	20.7	36.3	33.3	31.3	25.0	75.3	50.3	51.3	54.3	89.0
THOR (PPG-TF-157)	23.7	37.0	33.3	33.3	25.7	86.0	48.7	55.3	49.3	78.0
TITANIUM 2LS (PPG-TF-152)	22.7	37.0	32.3	29.3	27.0	77.3	49.3	32.3	50.3	84.0
TRAVERSE 2 SRP (W45)	19.0	36.7	35.7	31.3	24.7	80.0	51.3	38.7	50.3	78.3
TURFWAY (IS-TF 282 M2)	18.0	35.7	31.7	31.7	24.7	88.7	50.7	41.0	57.3	90.7
WICHITA (PPG-TF-151)	18.7	34.7	35.0	31.7	25.0	83.0	55.0	47.0	54.0	81.0
4TH MILLENNIUM SRP (U43)	18.3	33.7	31.7	31.0	24.0	94.3	61.7	50.3	58.3	101.0
ATF 1704	19.7	38.3	35.3	33.3	27.0	90.0	47.3	42.7	48.7	81.3
DIABLO (IS-TF 330)	23.7	39.0	32.7	31.7	26.3	75.3	46.7	43.7	56.0	85.7
DYNAMITE LS (PPG-TF-145)	19.7	38.7	33.7	31.7	24.0	286.7	54.0	44.3	58.7	78.7
FIREWALL (PSG-WE1)	21.0	39.3	34.3	30.0	26.7	72.0	46.7	44.7	53.7	79.0
FOXHOUND (IS-TF 284 M2)	19.0	36.3	33.7	29.0	24.0	88.0	49.7	44.3	53.0	91.7
GRANDE 3	23.0	38.0	33.3	30.3	25.3	78.3	44.7	44.0	50.3	81.7
HOT ROD (BURL TF-136)	20.7	36.3	36.3	31.3	27.3	79.0	48.3	38.3	51.7	85.3
INSPIRATION (PST-R5NW)	22.7	38.7	35.3	33.0	25.7	75.3	45.7	51.7	53.0	81.7
IS-TF 269 SEL	21.3	37.0	33.0	32.7	25.7	98.0	53.0	44.7	51.7	79.7
IS-TF 272	23.3	38.3	33.0	31.3	25.0	76.3	47.0	39.3	62.7	89.7
IS-TF 276 M2	18.3	37.7	31.3	29.7	26.3	85.7	50.7	44.7	58.7	90.7
IS-TF 308 SEL	22.7	36.0	31.0	34.0	25.3	74.7	40.3	43.3	49.0	83.3
IS-TF-287	21.7	39.0	35.7	32.3	27.0	78.7	49.0	38.3	55.3	74.7

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17
K12-MCD	20.3	37.7	35.3	31.7	25.7	89.7	48.7	42.3	48.0	82.3
LEONARDO (LTP-FSD)	20.7	33.7	32.0	30.0	24.3	84.0	57.0	43.3	57.3	99.0
MEMPHIS (GO-DFR)	19.3	36.3	30.7	31.7	24.3	76.7	46.0	49.3	50.0	75.0
NIGHTCRAWLER (IS-TF 285)	20.3	37.0	33.3	31.3	24.3	75.7	50.7	36.3	48.3	86.3
PARAMOUNT (PPG-TF-137)	22.7	40.0	34.3	33.7	23.7	81.0	50.7	41.3	49.0	78.7
'COMMANDER (PPG-TF-170)	20.7	38.7	34.3	33.0	26.3	77.0	50.7	43.3	48.7	83.7
PSG-8BP2	21.7	36.3	31.7	31.7	25.7	83.0	49.7	44.7	56.7	81.3
PSG-PO1	22.7	37.7	34.0	32.0	23.7	83.7	55.7	45.0	60.0	84.0
PST-5BPO	22.7	40.3	35.0	33.3	26.7	78.0	44.7	42.3	55.3	80.0
PST-5MVD	24.7	37.3	36.3	32.0	25.0	77.3	44.3	37.7	57.3	84.0
REFLECTION (U45)	21.7	39.0	36.0	31.7	27.0	75.0	49.3	41.3	49.7	83.0
SCREAMER LS (PPG-TF-148)	23.3	36.7	34.3	31.3	24.3	76.0	46.0	47.0	52.0	89.7
TEMPLE (DZ1)	19.7	32.0	30.3	27.3	22.3	75.3	57.3	48.3	57.3	96.0
THUNDERSTRUCK (TD1)	21.7	35.7	33.0	30.0	23.7	77.7	57.7	50.0	48.7	84.7
UNITUS (IS-TF 289)	21.3	35.7	33.7	30.7	25.3	76.7	48.7	47.3	59.3	85.3
XTENDER (PPG-TF-139)	20.3	40.3	35.0	31.3	26.3	83.7	54.3	44.3	47.0	81.7
AMITY (CCR2)	21.3	37.3	31.3	31.7	22.7	82.0	60.7	46.0	53.3	88.0
AQUADUCT	17.7	35.3	34.3	31.3	25.3	86.0	51.0	50.3	55.7	86.3
ATF 1754	23.3	35.7	33.7	31.0	24.7	88.3	49.3	46.7	47.0	96.0
BAR FA 120878	19.3	36.3	32.3	31.7	24.3	82.7	52.0	45.0	59.3	80.0
BAR FA 121091	19.3	38.3	34.3	33.0	27.7	82.7	44.3	38.3	52.3	81.7
BAR FA 121095	22.7	38.7	33.3	32.0	26.0	78.0	49.0	43.0	49.7	82.0
BIZEM	19.0	38.3	34.3	31.7	26.7	71.0	46.3	44.7	58.3	83.3
CATALYST	19.3	36.0	32.3	30.0	23.0	85.0	56.3	43.0	62.7	80.7
COMP. RES. SST	19.7	34.7	32.3	29.3	23.0	83.3	56.3	51.7	62.0	90.7
EMBRACE (PST-5EV2)	25.7	36.3	35.7	34.0	25.3	80.7	46.3	50.3	53.7	82.0
F711	20.3	36.7	34.0	30.3	23.0	87.3	47.7	48.3	50.3	87.3
FAITH	22.0	37.7	34.3	30.3	24.7	83.3	52.7	36.7	57.3	84.7
FIREBIRD 2	21.0	35.0	33.0	28.7	26.0	87.0	54.3	43.3	59.3	94.0
FRONTLINE (EXP TF-09)	21.0	35.7	34.7	31.3	26.0	77.7	54.7	49.3	60.0	90.3
GTO (BURL TF-2)	22.0	38.7	33.7	31.0	26.3	81.0	48.0	43.7	49.7	88.0
HOVER (BURL TF-69)	23.0	40.0	33.7	32.7	26.7	74.3	45.0	42.3	47.0	84.7
IS-TF 311	21.3	36.7	32.0	31.3	25.3	78.7	50.0	45.0	47.3	84.3
MERIDIAN (PST-5GRB)	25.0	40.3	32.0	33.3	27.0	76.7	51.3	48.0	56.3	88.7
MET 1	19.7	37.3	32.3	30.0	25.3	90.7	55.0	44.7	56.3	81.7
OLYMPUS (RAD-TF-88)	20.3	36.3	35.3	31.0	25.7	87.3	59.3	47.0	56.0	83.0
PPG-TF-135	22.0	37.0	31.3	32.7	25.3	76.7	56.0	45.0	68.7	89.7
PPG-TF-172	22.0	38.3	34.3	32.0	25.7	73.7	47.7	36.7	51.3	85.3
PSG-GSD	18.3	35.0	32.7	31.7	25.7	90.0	54.3	39.0	45.7	88.3
RAD-TF-92	19.0	37.7	32.3	31.3	22.0	79.7	53.3	47.3	57.0	88.0
ROCKWELL (LTP-TWUU)	23.3	37.3	34.3	30.0	24.7	86.3	50.3	41.3	48.7	88.7
SALTILLO (PST-5SALT)	21.3	38.3	32.7	32.0	27.7	75.7	46.3	42.0	57.0	82.7
TERRANO	19.7	36.7	34.0	32.7	22.7	93.0	42.7	46.3	64.7	91.3
204 RES. BLK4	19.7	34.0	32.7	27.7	22.7	89.0	50.7	53.3	67.0	109.3
ANNIHILATOR	17.3	35.7	35.3	33.0	25.0	90.3	50.7	48.7	49.0	88.3

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17	PRETRAFFIC SEP 18	5 GAME SEP 30	10 GAME OCT 12	15 GAME NOV 5	20 GAME NOV 17
BULLSEYE	22.7	36.3	33.0	31.7	24.7	77.3	57.7	47.3	59.7	79.7
CAESAR (TY 10)	21.3	35.0	33.3	29.0	21.3	77.7	58.0	51.7	60.3	84.0
HOUNDOG8 (IS-TF 307 SEL)	20.7	36.0	35.7	32.7	26.3	81.7	46.3	40.7	52.7	74.0
JS 809	22.3	38.0	33.0	29.7	26.0	82.0	48.0	44.0	49.7	77.7
KINGDOM (DB1)	21.0	38.7	31.0	34.3	24.3	83.7	52.3	48.0	51.3	83.0
MARAUDER	18.7	35.7	30.3	28.0	23.3	95.0	49.0	48.3	57.7	83.3
PPG-TF-138	18.7	35.7	32.0	30.3	23.3	97.3	58.3	45.3	58.0	93.3
PSG-TT4	22.0	37.7	35.7	31.3	26.0	81.3	45.0	46.7	58.7	86.7
PST-5BRK	23.0	37.7	34.3	33.7	24.7	74.0	49.7	49.7	49.3	92.3
RAD-TF-83	21.0	37.3	33.0	32.3	23.7	71.7	48.7	47.7	56.0	84.3
RAIN DANCE (PST-5SDT)	23.0	36.3	34.7	33.0	25.3	75.3	48.7	47.0	58.7	76.3
REBOUNDER (PICK-W43)	20.0	40.3	34.0	33.0	27.3	87.7	53.0	42.0	50.7	79.7
SWAGGER (PST-5R05)	20.3	35.0	32.7	30.0	26.0	74.0	55.0	48.7	62.0	95.7
TECHNIQUE (RZ2)	19.7	36.7	35.3	32.3	25.0	86.0	59.0	37.0	51.7	79.7
W41	18.7	38.0	31.3	32.0	26.3	81.3	46.0	46.7	57.3	82.7
BLACK TAIL (PPG-TF-150)	23.7	38.0	37.0	33.0	25.7	83.7	49.0	38.3	56.0	79.0
BLOODHOUND (MET 6 SEL)	22.0	39.0	31.3	30.7	25.3	74.0	50.0	42.7	57.3	84.3
JS 818	20.7	37.7	32.3	31.3	23.7	90.7	55.0	46.3	61.3	95.3
JS 819	21.0	36.3	33.0	27.7	25.7	89.3	63.0	48.0	56.3	85.7
JS 825	18.7	36.3	33.3	30.3	24.7	93.7	50.3	47.7	59.7	79.3
JS 916	21.0	36.7	33.3	29.0	25.7	84.3	49.3	49.0	57.3	94.3
KY-31	17.0	33.3	30.3	28.3	23.3	96.7	62.7	52.3	49.7	92.3
MET-3	23.7	40.0	34.3	32.0	25.3	84.3	54.3	47.0	59.0	88.7
PST-5EX2	20.0	34.0	30.7	29.0	24.7	82.7	51.3	52.3	62.3	104.3
REGENERATE	21.7	35.0	31.0	29.3	24.7	94.7	54.7	33.0	54.7	79.3
MICHELANGELO (LTP-F5DPDR)	23.3	35.7	34.7	30.0	25.0	81.0	52.0	45.7	59.0	81.3
LSD VALUE	21.0	13.8	7.6	7.2	8.7	166.1	24.0	22.7	33.7	29.0
C.V. (%)	16.7	7.9	7.2	7.3	8.5	42.0	13.8	15.6	15.1	10.9

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

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

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	APR	MAY	JUN	JUL	SEP	OCT	NOV	DEC	MEAN
MET-3	7.3	6.3	7.7	7.7	7.7	6.3	6.3	7.3	7.1
4TH MILLENNIUM SRP (U43)	7.3	6.0	7.3	7.3	7.3	6.7	6.7	7.3	7.0
CATALYST	7.3	5.7	7.3	7.3	7.3	6.7	6.7	7.3	7.0
RAPTOR III (ZW 44)	6.7	6.0	8.0	7.3	7.7	5.7	6.0	6.7	6.8
TRAVERSE 2 SRP (W45)	6.7	6.0	7.7	7.3	7.0	6.0	6.0	6.7	6.7
DYNAMITE LS (PPG-TF-145)	7.0	5.3	7.0	7.0	7.0	6.3	6.3	7.0	6.6
MET 1	6.7	5.7	7.7	7.0	7.0	6.0	6.0	6.7	6.6
REFLECTION (U45)	6.7	5.3	7.7	7.3	7.0	6.0	6.0	6.7	6.6
FAYETTE (IS-TF 291)	6.3	6.3	7.0	7.0	6.7	6.0	6.0	6.3	6.5
FIREWALL (PSG-WE1)	6.7	5.7	7.0	6.7	7.0	6.3	6.3	6.7	6.5
BLOODHOUND (MET 6 SEL)	6.3	6.3	7.3	7.0	7.0	5.7	5.7	6.3	6.5
PSG-P01	6.7	5.0	7.3	6.3	7.0	6.3	6.3	6.7	6.5
XTENDER (PPG-TF-139)	6.7	6.0	7.0	7.0	7.0	6.0	6.0	6.7	6.5
ROWDY (SRX-TPC)	6.7	5.7	6.7	6.0	6.7	6.3	6.3	6.7	6.4
TITANIUM 2LS (PPG-TF-152)	6.3	6.0	7.3	7.3	7.3	5.3	5.3	6.3	6.4
W41	6.0	6.7	7.7	7.3	7.0	5.0	5.3	6.0	6.4
ATF 1704	6.0	5.7	7.7	7.7	7.0	5.0	5.0	6.0	6.3
GTO (BURL TF-2)	6.3	5.7	7.0	7.0	6.7	5.7	6.0	6.3	6.3
HOVER (BURL TF-69)	6.3	5.7	7.7	6.7	6.7	5.3	5.7	6.3	6.3
IS-TF 308 SEL	6.0	6.3	7.3	7.3	7.3	5.0	5.0	6.0	6.3
'COMMANDER (PPG-TF-170)	6.0	6.7	7.7	7.3	6.7	5.0	5.3	6.0	6.3
ROCKWELL (LTP-TWUU)	5.7	6.0	7.3	8.0	7.0	5.0	5.3	5.7	6.3
BIZEM	5.7	6.7	7.7	8.0	6.7	4.7	4.7	5.7	6.2
FESNOVA	6.0	6.0	7.3	6.7	6.7	5.3	5.7	6.0	6.2
K12-MCD	6.0	6.0	6.7	6.7	7.0	5.3	5.7	6.0	6.2
MICHELANGELO (LTP-F5DPDR)	6.0	5.7	7.0	7.0	6.3	5.7	5.7	6.0	6.2
TURFWAY (IS-TF 282 M2)	6.3	5.3	7.0	6.7	6.7	5.7	5.7	6.3	6.2
ARES (PPG-TF-142)	6.0	5.3	7.0	7.0	6.7	5.3	5.3	6.0	6.1
BLACK TAIL (PPG-TF-150)	6.0	6.3	7.0	6.7	6.7	5.0	5.0	6.0	6.1
HOUNDOG8 (IS-TF 307 SEL)	6.0	6.0	7.3	6.3	7.3	5.0	5.0	6.0	6.1
PPG-TF-169	6.0	6.3	7.0	6.7	7.0	5.0	5.0	6.0	6.1
PPG-TF-172	5.7	6.0	7.7	7.0	7.0	4.7	5.0	5.7	6.1
REGENERATE	6.0	5.7	7.0	7.0	6.7	5.0	5.3	6.0	6.1
SALTILLO (PST-5SALT)	5.7	5.7	7.3	7.0	7.0	5.0	5.3	5.7	6.1
TECHNIQUE (RZ2)	6.0	6.3	7.0	7.0	6.7	5.0	5.0	6.0	6.1
TERRANO	6.0	5.7	7.0	6.3	6.0	6.0	6.0	6.0	6.1
THOR (PPG-TF-157)	5.7	6.0	7.3	7.3	6.7	5.0	5.0	5.7	6.1
AVENGER II (PPG-TF-156)	5.7	6.3	7.3	7.3	6.7	4.7	4.7	5.7	6.0
AMITY (CCR2)	5.3	6.0	7.7	7.0	7.3	4.3	4.7	5.3	6.0
FIREBIRD 2	6.0	5.7	6.7	6.3	6.3	5.7	5.7	6.0	6.0
FOXHOUND (IS-TF 284 M2)	5.7	5.7	7.0	7.0	7.0	5.0	5.3	5.7	6.0
HEMI	6.7	4.7	6.3	6.0	6.7	5.7	5.7	6.7	6.0
CROSSFIRE 4 (IS-TF 310 SEL)	5.3	6.3	7.7	7.3	7.0	4.3	4.3	5.3	6.0
JS 916	6.0	5.7	7.0	6.7	6.7	5.0	5.0	6.0	6.0
MAESTRO (T31)	6.0	5.3	6.3	6.0	6.0	6.0	6.0	6.0	6.0



TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								MEAN
	APR	MAY	JUN	JUL	SEP	OCT	NOV	DEC	
REBOUNDER (PICK-W43)	5.7	6.0	7.3	7.3	7.0	4.7	4.7	5.7	6.0
PPG-TF-115	6.3	5.3	6.7	6.3	6.3	5.3	5.3	6.3	6.0
PARAMOUNT (PPG-TF-137)	6.0	5.7	6.7	6.7	6.7	5.0	5.3	6.0	6.0
PST-5BRK	5.3	6.0	7.7	7.7	7.3	4.3	4.7	5.3	6.0
RHAMBLER 2 SRP (LSD)	6.0	5.3	6.7	6.3	6.3	5.7	5.7	6.0	6.0
SCREAMER LS (PPG-TF-148)	6.3	5.7	6.7	6.0	6.3	5.7	5.3	6.3	6.0
AQUADUCT	5.7	5.7	6.7	6.7	6.7	5.0	5.3	5.7	5.9
ATF 1754	5.3	6.7	7.0	7.3	7.0	4.3	4.3	5.3	5.9
B23	6.0	5.7	6.3	6.3	6.3	5.3	5.3	6.0	5.9
F711	5.3	6.3	7.3	7.3	7.0	4.3	4.3	5.3	5.9
RHIZING MOON (IS-TF 305 SEL)	6.0	5.7	6.7	6.0	6.7	5.0	5.0	6.0	5.9
LEONARDO (LTP-FSD)	5.3	6.0	7.3	7.3	6.7	4.7	4.3	5.3	5.9
PPG-TF-135	5.7	5.7	7.0	7.0	6.7	4.7	4.7	5.7	5.9
PST-5BPO	6.0	6.3	6.7	6.3	6.0	5.0	5.0	6.0	5.9
ATF 1736	5.3	6.7	7.0	7.0	6.3	4.7	4.3	5.3	5.8
EMBRACE (PST-5EV2)	5.3	6.0	7.0	6.7	6.3	4.7	4.7	5.3	5.8
FAITH	6.0	5.0	6.7	5.7	6.7	5.0	5.3	6.0	5.8
IS-TF 311	5.7	5.7	7.0	6.7	6.3	4.7	4.7	5.7	5.8
IS-TF-287	6.0	5.7	6.3	5.7	6.0	5.3	5.3	6.0	5.8
MERIDIAN (PST-5GRB)	6.0	5.3	6.0	5.7	6.3	5.3	5.3	6.0	5.8
PPG-TF-138	6.0	5.7	6.3	6.3	6.3	5.0	5.0	6.0	5.8
PST-5DZP	6.0	4.7	6.3	5.7	6.0	5.7	5.7	6.0	5.8
RAIN DANCE (PST-5SDT)	5.7	5.0	6.7	6.3	6.7	5.0	5.3	5.7	5.8
TEMPLE (DZ1)	5.7	5.3	7.0	6.3	6.3	5.0	4.7	5.7	5.8
THUNDERSTRUCK (TD1)	6.0	4.7	6.3	6.0	6.3	5.3	5.3	6.0	5.8
BAR FA 121089	5.7	5.0	6.3	6.7	6.0	5.0	5.0	5.7	5.7
GRANDE 3	5.3	5.0	7.3	7.0	6.7	4.3	4.3	5.3	5.7
HOT ROD (BURL TF-136)	5.3	5.7	6.7	6.7	6.3	4.7	4.7	5.3	5.7
UNITUS (IS-TF 289)	5.7	5.0	6.3	6.0	5.7	5.7	5.3	5.7	5.7
PST-5MVD	5.3	6.3	6.7	6.7	6.0	4.7	4.7	5.3	5.7
SWAGGER (PST-5R05)	5.7	6.3	6.0	5.3	6.0	5.0	5.3	5.7	5.7
ATF 1612	5.7	5.0	6.7	6.0	6.3	4.7	5.0	5.7	5.6
BULLSEYE	5.3	5.7	6.3	6.0	6.0	5.0	5.3	5.3	5.6
CAESAR (TY 10)	5.3	6.0	6.3	6.3	5.7	5.0	5.0	5.3	5.6
FALCON IV	5.7	5.0	6.7	6.0	6.0	5.0	5.0	5.7	5.6
FALCON V	5.3	5.7	6.3	5.7	6.7	4.7	5.0	5.3	5.6
IS-TF 269 SEL	5.7	4.3	6.3	6.3	6.0	5.3	5.3	5.7	5.6
IS-TF 276 M2	5.7	5.3	6.3	6.0	6.3	4.7	4.7	5.7	5.6
NIGHTCRAWLER (IS-TF 285)	5.3	5.3	6.7	6.3	6.3	4.7	5.0	5.3	5.6
WICHITA (PPG-TF-151)	5.3	6.0	6.7	6.3	6.3	4.3	4.3	5.3	5.6
PSG-TT4	5.7	6.0	6.3	6.0	6.0	4.7	4.7	5.7	5.6
DIABLO (IS-TF 330)	5.7	5.0	6.0	6.0	6.0	4.7	4.7	5.7	5.5
FRONTLINE (EXP TF-09)	5.7	4.7	5.7	5.3	6.0	5.3	5.3	5.7	5.5
JS 818	5.7	5.0	5.3	5.7	5.7	5.7	5.7	5.7	5.5
JS 819	6.0	5.0	5.7	5.3	6.0	5.0	5.0	6.0	5.5

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	APR	MAY	JUN	JUL	SEP	OCT	NOV	DEC	MEAN
KINGDOM (DB1)	5.3	4.7	6.3	6.3	6.3	4.7	4.7	5.3	5.5
MARAUDER	5.7	5.0	5.7	5.7	5.7	5.3	5.3	5.7	5.5
PSG-8BP2	5.7	4.3	6.3	6.0	6.0	5.0	5.0	5.7	5.5
PST-5EX2	5.3	5.7	6.0	6.0	6.3	4.7	5.0	5.3	5.5
RAD-TF-83	5.7	4.3	6.3	6.0	6.0	5.0	5.0	5.7	5.5
OLYMPUS (RAD-TF-88)	5.7	5.0	6.0	5.7	5.7	5.3	5.3	5.7	5.5
RAD-TF-89	5.7	5.7	6.3	5.7	6.0	4.7	4.7	5.7	5.5
TEMPTATION (OR-21)	5.7	5.3	5.7	5.0	5.7	5.3	5.3	5.7	5.5
FIRECRACKER SLS (PPG-TF-105)	5.0	5.7	7.0	6.7	6.0	4.0	4.0	5.0	5.4
INSPIRATION (PST-R5NW)	5.3	5.0	6.3	5.7	6.0	4.7	4.7	5.3	5.4
PSG-GSD	5.0	5.3	6.7	6.3	5.7	4.3	4.7	5.0	5.4
BAR FA 120878	5.0	5.3	6.3	6.3	5.3	4.7	4.7	5.0	5.3
BAR FA 121091	5.3	4.7	6.0	5.7	5.3	5.0	4.7	5.3	5.3
RAD-TF-92	5.0	4.7	6.7	6.3	6.0	4.0	4.3	5.0	5.3
WARHAWK	5.3	4.3	6.3	5.3	6.0	4.7	4.7	5.3	5.3
BAR FA 121095	5.3	4.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2
MEMPHIS (GO-DFR)	5.3	4.3	5.7	5.3	5.3	5.0	5.0	5.3	5.2
204 RES. BLK4	5.7	4.3	5.0	4.7	5.7	4.7	4.7	5.7	5.0
ANNIHILATOR	5.3	4.0	5.3	4.7	5.7	5.0	5.0	5.3	5.0
COMP. RES. SST	5.3	4.0	5.0	4.3	5.0	5.3	5.3	5.3	5.0
IS-TF 272	5.0	4.3	5.7	5.3	5.3	4.7	4.7	5.0	5.0
JS 809	5.0	5.0	5.7	5.3	5.0	4.7	4.7	5.0	5.0
JS 825	5.0	4.7	6.0	5.3	5.3	4.3	4.3	5.0	5.0
K12-05	4.7	4.7	6.7	6.0	6.0	3.7	3.7	4.7	5.0
KY-31	4.7	5.0	5.7	6.0	5.7	3.7	3.7	4.7	4.9
K12-13	4.7	4.0	4.7	4.3	4.3	4.3	4.0	4.7	4.4
LSD VALUE	1.4	1.5	1.4	1.9	.	1.8	1.5	1.4	1.0
C.V. (%)	11.6	14.2	11.5	14.5	.	15.4	14.5	11.6	9.2

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

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

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 14. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	INITIAL COVER IN MAY		BEFORE TRAFFIC AUGUST 31		MIDDLE SEASON TRAFFIC IN OCTOBER		END TRAFFIC IN EARLY NOVEMBER		2-WEEKS AFTER TRAFFIC IN MIDDLE NOVEMBER	
	% GREEN	% STRAW	% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE
MET-3	85.0	15.0	99.0	0.0	80.0	20.0	61.7	26.7	56.7	40.0
4TH MILLENNIUM SRP (U43)	85.0	15.0	99.0	0.0	81.7	18.3	63.3	31.7	53.3	36.7
CATALYST	80.0	20.0	99.0	0.0	69.7	30.0	50.0	36.7	36.7	33.3
RAPTOR III (ZW 44)	86.7	13.3	99.0	0.0	93.0	6.7	76.7	6.7	70.0	13.3
TRAVERSE 2 SRP (W45)	76.7	23.3	94.3	5.0	65.0	35.0	55.0	35.0	45.0	33.3
DYNAMITE LS (PPG-TF-145)	85.0	15.0	99.0	0.0	81.7	18.3	61.7	25.0	51.7	33.3
MET 1	86.7	13.3	99.0	0.0	78.3	21.7	55.0	28.3	43.3	26.7
REFLECTION (U45)	73.3	26.7	91.0	8.3	61.7	38.3	46.7	38.3	38.3	31.7
FAYETTE (IS-TF 291)	85.0	15.0	99.0	0.0	75.0	25.0	60.0	31.7	48.3	38.3
FIREWALL (PSG-WE1)	80.0	20.0	99.0	0.0	71.7	28.3	55.0	35.0	40.0	23.3
BLOODHOUND (MET 6 SEL)	81.7	18.3	99.0	0.0	76.7	23.3	60.0	36.7	51.7	26.7
PSG-PO1	81.7	18.3	99.0	0.0	75.0	25.0	53.3	38.3	45.0	31.7
XTENDER (PPG-TF-139)	80.0	20.0	94.3	5.0	68.3	31.7	48.3	38.3	40.0	33.3
ROWDY (SRX-TPC)	78.3	21.7	99.0	0.0	76.7	23.3	55.0	30.0	50.0	33.3
TITANIUM 2LS (PPG-TF-152)	81.7	18.3	99.0	0.0	58.3	41.7	45.0	48.3	33.3	41.7
W41	85.0	15.0	99.0	0.0	68.3	31.7	46.7	45.0	35.0	35.0
ATF 1704	83.3	16.7	99.0	0.0	71.7	28.3	53.3	35.0	43.3	23.3
GTO (BURL TF-2)	78.3	21.7	87.7	11.7	66.7	33.3	55.0	33.3	48.3	35.0
HOVER (BURL TF-69)	83.3	16.7	99.0	0.0	78.3	21.7	56.7	28.3	43.3	23.3
IS-TF 308 SEL	86.7	13.3	97.7	1.7	80.0	20.0	63.3	26.7	55.0	31.7
'COMMANDER (PPG-TF-170)	78.3	21.7	99.0	0.0	66.7	33.3	53.3	40.0	41.7	30.0
ROCKWELL (LTP-TWUU)	90.0	10.0	99.0	0.0	80.0	20.0	61.7	33.3	53.3	30.0
BIZEM	81.7	18.3	99.0	0.0	83.3	16.7	63.3	23.3	56.7	21.7
FESNOVA	78.3	21.7	97.7	1.7	63.3	36.7	40.0	50.0	26.7	46.7
K12-MCD	85.0	15.0	99.0	0.0	80.0	20.0	53.3	26.7	41.7	21.7
MICHELANGELO (LTP-F5DPDR)	83.3	16.7	97.7	1.7	75.0	25.0	53.3	31.7	41.7	26.7
TURFWAY (IS-TF 282 M2)	76.7	23.3	94.3	5.0	68.3	31.7	51.7	45.0	45.0	43.3
ARES (PPG-TF-142)	78.3	21.7	96.0	3.3	70.0	30.0	56.7	30.0	50.0	30.0
BLACK TAIL (PPG-TF-150)	80.0	20.0	96.0	3.3	76.7	23.3	55.0	30.0	48.3	26.7
HOUNDG8 (IS-TF 307 SEL)	70.0	30.0	96.0	3.3	51.7	48.3	31.7	61.7	21.7	45.0
PPG-TF-169	81.7	18.3	99.0	0.0	81.7	18.3	61.7	25.0	56.7	21.7
PPG-TF-172	80.0	20.0	99.0	0.0	71.7	28.3	58.3	28.3	46.7	33.3
REGENERATE	78.3	21.7	94.3	5.0	63.3	36.7	43.3	50.0	26.7	45.0
SALTILLO (PST-5SALT)	78.3	21.7	99.0	0.0	70.0	30.0	58.3	30.0	48.3	23.3
TECHNIQUE (RZ2)	85.0	15.0	99.0	0.0	78.0	21.7	56.7	35.0	50.0	40.0
TERRANO	73.3	26.7	91.3	8.3	65.0	35.0	51.7	41.7	41.7	43.3
THOR (PPG-TF-157)	68.3	31.7	94.3	5.0	71.7	28.3	56.7	35.0	45.0	41.7
AVENGER II (PPG-TF-156)	80.0	20.0	99.0	0.0	81.7	18.3	61.7	18.3	51.7	30.0
AMITY (CCR2)	80.0	20.0	99.0	0.0	75.0	25.0	56.7	31.7	46.7	25.0
FIREBIRD 2	81.7	18.3	99.0	0.0	68.3	31.7	55.0	38.3	46.7	38.3
FOXHOUND (IS-TF 284 M2)	73.3	26.7	92.7	6.7	70.0	30.0	55.0	30.0	43.3	30.0
HEMI	80.0	20.0	97.7	1.7	60.0	40.0	38.3	53.3	30.0	50.0
CROSSFIRE 4 (IS-TF 310 SEL)	68.3	31.7	89.3	10.0	53.3	46.7	38.3	46.7	23.3	31.7
JS 916	75.0	25.0	99.0	0.0	73.3	26.7	58.3	26.7	50.0	16.7
MAESTRO (T31)	76.7	23.3	99.0	0.0	68.3	31.7	50.0	38.3	45.0	35.0

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	INITIAL COVER IN MAY		BEFORE TRAFFIC AUGUST 31		MIDDLE SEASON TRAFFIC IN OCTOBER		END TRAFFIC IN EARLY NOVEMBER		2-WEEKS AFTER TRAFFIC IN MIDDLE NOVEMBER	
	% GREEN	% STRAW	% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE
REBOUNDER (PICK-W43)	80.0	20.0	99.0	0.0	71.7	28.3	51.7	41.7	45.0	36.7
PPG-TF-115	81.7	18.3	99.0	0.0	78.3	21.7	55.0	28.3	45.0	26.7
PARAMOUNT (PPG-TF-137)	85.0	15.0	99.0	0.0	75.0	25.0	55.0	38.3	43.3	30.0
PST-5BRK	78.3	21.7	96.0	3.3	70.0	30.0	56.7	30.0	45.0	26.7
RHAMBLER 2 SRP (LSD)	78.3	21.7	99.0	0.0	85.0	15.0	65.0	21.7	60.0	30.0
SCREAMER LS (PPG-TF-148)	83.3	16.7	99.0	0.0	71.7	28.3	51.7	41.7	45.0	36.7
AQUADUCT	88.3	11.7	99.0	0.0	78.3	21.7	61.7	21.7	53.3	26.7
ATF 1754	86.7	13.3	99.0	0.0	78.0	21.7	55.0	35.0	45.0	33.3
B23	85.0	15.0	99.0	0.0	89.7	10.0	71.7	10.0	66.7	20.0
F711	80.0	20.0	99.0	0.0	65.0	35.0	50.0	41.7	36.7	36.7
RHIZING MOON (IS-TF 305 SEL)	81.7	18.3	99.0	0.0	78.3	21.7	60.0	21.7	53.3	21.7
LEONARDO (LTP-FSD)	73.3	26.7	92.7	6.7	71.7	28.3	53.3	28.3	40.0	18.3
PPG-TF-135	81.7	18.3	99.0	0.0	70.0	30.0	50.0	50.0	43.3	41.7
PST-5BPO	73.3	26.7	92.7	6.7	61.7	38.3	45.0	45.0	38.3	43.3
ATF 1736	73.3	26.7	96.0	3.3	70.0	30.0	50.0	43.3	45.0	30.0
EMBRACE (PST-5EV2)	83.3	16.7	99.0	0.0	73.3	26.7	53.3	40.0	46.7	46.7
FAITH	83.3	16.7	99.0	0.0	68.3	31.7	55.0	38.3	45.0	30.0
IS-TF 311	85.0	15.0	99.0	0.0	66.7	33.3	48.3	46.7	35.0	40.0
IS-TF-287	86.7	13.3	99.0	0.0	78.3	21.7	56.7	35.0	45.0	30.0
MERIDIAN (PST-5GRB)	81.7	18.3	99.0	0.0	65.0	35.0	41.7	48.3	31.7	41.7
PPG-TF-138	83.3	16.7	99.0	0.0	81.7	18.3	70.0	18.3	58.3	23.3
PST-5DZP	81.7	18.3	99.0	0.0	66.7	33.3	48.3	46.7	38.3	38.3
RAIN DANCE (PST-5SDT)	76.7	23.3	94.3	5.0	53.3	46.7	40.0	46.7	28.3	31.7
TEMPLE (DZ1)	85.0	15.0	99.0	0.0	86.7	13.3	70.0	26.7	63.3	20.0
THUNDERSTRUCK (TD1)	80.0	20.0	92.7	6.7	70.0	30.0	56.7	30.0	45.0	30.0
BAR FA 121089	73.3	26.7	87.7	11.7	61.7	38.3	41.7	45.0	33.3	50.0
GRANDE 3	78.3	21.7	99.0	0.0	71.7	28.3	53.3	35.0	41.7	25.0
HOT ROD (BURL TF-136)	73.3	26.7	99.0	0.0	61.7	38.3	45.0	45.0	31.7	28.3
UNITUS (IS-TF 289)	78.3	21.7	96.0	3.3	71.7	28.3	53.3	35.0	41.7	43.3
PST-5MVD	81.7	18.3	96.0	3.3	81.7	18.3	63.3	25.0	53.3	26.7
SWAGGER (PST-5R05)	78.3	21.7	97.7	1.7	76.7	23.3	53.3	30.0	45.0	18.3
ATF 1612	83.3	16.7	99.0	0.0	75.0	25.0	51.7	45.0	45.0	41.7
BULLSEYE	80.0	20.0	99.0	0.0	70.0	30.0	56.7	30.0	48.3	31.7
CAESAR (TY 10)	76.7	23.3	99.0	0.0	63.3	36.7	45.0	36.7	30.0	35.0
FALCON IV	80.0	20.0	99.0	0.0	65.0	35.0	45.0	41.7	31.7	36.7
FALCON V	76.7	23.3	99.0	0.0	70.0	30.0	48.3	36.7	33.3	20.0
IS-TF 269 SEL	81.7	18.3	99.0	0.0	75.0	25.0	61.7	25.0	58.3	15.0
IS-TF 276 M2	78.3	21.7	99.0	0.0	91.7	8.3	61.7	15.0	46.7	21.7
NIGHTCRAWLER (IS-TF 285)	71.7	28.3	99.0	0.0	68.3	31.7	56.7	31.7	48.3	26.7
WICHITA (PPG-TF-151)	88.3	11.7	99.0	0.0	86.7	13.3	68.3	20.0	60.0	26.7
PSG-TT4	80.0	20.0	99.0	0.0	75.0	25.0	61.7	31.7	51.7	23.3
DIABLO (IS-TF 330)	81.7	18.3	99.0	0.0	81.7	18.3	63.3	25.0	51.7	13.3
FRONTLINE (EXP TF-09)	73.3	26.7	92.7	6.7	66.7	33.3	45.0	40.0	33.3	21.7
JS 818	75.0	25.0	99.0	0.0	76.7	23.3	56.7	36.7	48.3	28.3
JS 819	68.3	31.7	86.3	13.3	63.3	36.7	48.3	43.3	38.3	40.0

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

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

NAME	INITIAL COVER IN MAY		BEFORE TRAFFIC AUGUST 31		MIDDLE SEASON TRAFFIC IN OCTOBER		END TRAFFIC IN EARLY NOVEMBER		2-WEEKS AFTER TRAFFIC IN MIDDLE NOVEMBER	
	% GREEN	% STRAW	% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE
KINGDOM (DB1)	68.3	31.7	97.7	1.7	65.0	35.0	50.0	41.7	43.3	36.7
MARAUDER	71.7	28.3	99.0	0.0	65.0	35.0	46.7	41.7	31.7	18.3
PSG-8BP2	78.3	21.7	99.0	0.0	73.3	26.7	56.7	26.7	48.3	30.0
PST-5EX2	85.0	15.0	99.0	0.0	76.7	23.3	56.7	23.3	45.0	23.3
RAD-TF-83	78.3	21.7	92.7	6.7	76.7	23.3	58.3	23.3	51.7	28.3
OLYMPUS (RAD-TF-88)	78.3	21.7	99.0	0.0	70.0	30.0	55.0	36.7	41.7	28.3
RAD-TF-89	81.7	18.3	99.0	0.0	70.0	30.0	46.7	36.7	35.0	28.3
TEMPTATION (OR-21)	68.3	31.7	81.3	18.3	66.7	33.3	50.0	40.0	40.0	41.7
FIRECRACKER SLS (PPG-TF-105)	81.7	18.3	99.0	0.0	81.7	18.3	60.0	25.0	50.0	28.3
INSPIRATION (PST-R5NW)	80.0	20.0	99.0	0.0	70.0	30.0	51.7	36.7	40.0	20.0
PSG-GSD	80.0	20.0	99.0	0.0	75.0	25.0	58.3	31.7	45.0	35.0
BAR FA 120878	71.7	28.3	89.3	10.0	66.7	33.3	48.3	40.0	35.0	40.0
BAR FA 121091	71.7	28.3	99.0	0.0	60.0	40.0	41.7	46.7	33.3	31.7
RAD-TF-92	71.7	28.3	92.7	6.7	55.0	45.0	45.0	45.0	31.7	43.3
WARHAWK	75.0	25.0	99.0	0.0	63.3	36.7	45.0	50.0	35.0	36.7
BAR FA 121095	80.0	20.0	99.0	0.0	80.0	20.0	61.7	20.0	48.3	10.0
MEMPHIS (GO-DFR)	76.7	23.3	99.0	0.0	68.3	31.7	50.0	45.0	38.3	41.7
204 RES. BLK4	71.7	28.3	97.7	1.7	66.7	33.3	51.7	40.0	40.0	16.7
ANNIHILATOR	76.7	23.3	96.0	3.3	71.7	28.3	50.0	48.3	43.3	45.0
COMP. RES. SST	81.7	18.3	97.7	1.7	76.7	23.3	60.0	30.0	51.7	28.3
IS-TF 272	75.0	25.0	99.0	0.0	78.3	21.7	55.0	35.0	48.3	21.7
JS 809	81.7	18.3	97.7	1.7	73.3	26.7	60.0	26.7	50.0	31.7
JS 825	78.3	21.7	99.0	0.0	71.7	28.3	48.3	41.7	40.0	23.3
K12-05	76.7	23.3	99.0	0.0	81.7	18.3	61.7	18.3	50.0	13.3
KY-31	73.3	26.7	83.0	16.7	58.3	41.7	41.7	48.3	31.7	40.0
K12-13	76.7	23.3	99.0	0.0	60.0	40.0	50.0	40.0	45.0	28.3
LSD VALUE	26.1	26.1	26.3	27.4	65.1	65.1	65.2	76.6	72.6	93.1
C.V. (%)	9.7	36.9	6.2	320.8	19.5	50.2	25.0	48.1	35.2	54.0

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.

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 GROWN UNDER SHADE AT CARBONDALE, IL 1/  
 2015 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS							MEAN	
				APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
ROWDY (SRX-TPC)	5.0	78.7	76.3	6.7	5.3	6.7	7.7	8.7	8.0	7.3	7.3	7.2
FIRECRACKER SLS (PPG-TF-105)	4.0	77.3	64.3	6.7	6.0	5.0	6.7	6.7	7.0	6.7	6.3	6.4
PPG-TF-172	4.7	69.7	64.0	7.3	5.7	6.3	6.0	6.3	6.7	6.7	6.3	6.4
TRAVERSE 2 SRP (W45)	5.7	64.7	62.7	7.3	7.3	6.7	6.0	5.3	6.7	6.3	5.7	6.4
MERIDIAN (PST-5GRB)	4.0	72.0	61.3	6.7	5.7	6.3	6.3	6.3	7.3	6.3	5.7	6.3
PST-5BRK	4.3	58.3	63.0	7.7	6.7	6.7	6.3	6.0	6.0	5.7	5.3	6.3
PST-5EX2	3.3	72.0	65.3	6.0	5.7	6.3	7.0	7.0	6.7	6.0	6.0	6.3
SCREAMER LS (PPG-TF-148)	4.0	68.7	73.0	7.3	5.7	5.7	6.0	6.0	6.7	7.0	6.3	6.3
MET 1	5.3	59.0	50.7	7.0	6.3	6.7	6.7	6.7	5.7	5.7	5.0	6.2
ATF 1612	3.0	47.3	58.0	5.7	5.3	5.7	6.0	6.3	6.0	6.7	6.3	6.0
ATF 1704	3.0	72.7	61.3	6.7	5.0	5.3	6.0	6.0	7.0	6.7	5.7	6.0
B23	3.7	67.7	59.7	6.3	5.3	6.0	6.3	6.7	5.7	5.7	6.3	6.0
BAR FA 121089	4.3	65.0	66.7	6.7	4.7	5.7	6.0	6.7	6.7	6.3	5.7	6.0
BIZEM	4.3	58.3	35.3	7.0	6.3	6.0	5.7	5.3	6.3	6.0	5.0	6.0
FESNOVA	4.7	64.7	50.3	6.7	5.7	5.7	6.0	6.0	6.3	6.3	5.3	6.0
FIREWALL (PSG-WE1)	4.0	61.3	48.3	6.3	5.3	6.3	6.3	7.0	5.7	5.7	5.0	6.0
PPG-TF-138	3.3	51.0	52.3	6.0	6.0	6.7	6.3	6.3	5.7	5.7	5.0	6.0
FAYETTE (IS-TF 291)	4.0	39.0	46.3	6.0	5.3	5.7	6.0	6.3	7.0	5.7	5.3	5.9
GTO (BURL TF-2)	4.0	55.3	55.0	6.3	5.7	6.0	6.0	5.7	6.3	5.7	5.3	5.9
K12-MCD	4.0	59.7	43.3	6.3	5.3	5.7	6.0	6.0	7.0	6.0	5.0	5.9
CAESAR (TY 10)	3.3	59.3	48.7	6.0	5.0	5.7	5.7	6.3	5.7	6.3	5.3	5.8
CATALYST	3.7	38.7	55.0	6.7	5.7	6.0	5.3	5.7	6.0	5.7	5.0	5.8
PST-5BPO	3.3	68.0	51.3	6.0	5.0	5.7	5.7	6.3	7.0	5.7	4.7	5.8
RHAMBLER 2 SRP (LSD)	5.0	53.0	40.7	7.0	6.0	6.3	6.3	6.3	5.0	5.7	3.7	5.8
4TH MILLENNIUM SRP (U43)	3.3	53.3	57.3	6.7	5.0	5.7	5.7	6.0	5.3	5.7	5.7	5.7
HOUND08 (IS-TF 307 SEL)	3.7	66.0	50.0	5.7	5.7	6.0	5.3	5.0	5.7	6.3	6.0	5.7
ATF 1736	3.7	64.3	44.0	6.7	5.7	5.7	5.3	5.3	5.0	5.7	5.3	5.6
FRONTLINE (EXP TF-09)	4.3	56.3	35.0	5.7	5.0	6.0	6.0	6.0	6.0	5.3	4.7	5.6
TITANIUM 2LS (PPG-TF-152)	5.0	47.7	47.3	7.0	6.0	6.0	5.7	5.3	5.3	5.0	4.7	5.6
MET-3	3.3	40.7	50.3	6.3	5.3	5.3	5.3	5.3	5.0	6.0	5.7	5.5
IS-TF 272	3.3	49.3	36.7	5.7	4.7	5.3	5.3	5.0	6.0	6.0	5.0	5.4
MAESTRO (T31)	3.0	52.7	58.0	6.7	5.3	5.3	5.0	4.7	6.0	5.3	5.0	5.4
WICHITA (PPG-TF-151)	2.7	46.0	43.3	6.3	5.0	5.3	5.7	5.7	5.7	5.3	4.3	5.4
PSG-TT4	3.3	54.7	63.0	5.0	4.7	5.0	5.3	5.3	6.3	6.0	5.7	5.4
REFLECTION (U45)	3.7	51.7	44.7	5.0	4.3	5.3	5.3	5.7	6.3	5.7	5.3	5.4
SALTILLO (PST-5SALT)	3.7	45.0	46.3	6.3	5.3	5.7	5.7	5.3	5.0	5.3	4.7	5.4
TECHNIQUE (RZ2)	3.3	51.0	44.0	5.7	4.3	5.0	5.3	5.3	6.3	5.7	5.3	5.4
PSG-PO1	3.0	49.3	42.3	5.7	4.3	5.0	5.3	5.7	5.7	5.7	5.3	5.3
RAPTOR III (ZW 44)	4.0	42.3	41.0	6.7	5.3	5.3	5.0	5.0	5.3	5.0	4.7	5.3
TERRANO	3.0	47.0	34.7	6.3	5.3	5.7	5.0	5.0	5.3	4.7	4.7	5.3
F711	2.7	43.0	46.0	6.0	5.3	5.7	5.3	5.0	5.0	4.7	4.3	5.2
HEMI	3.7	54.3	48.0	6.0	5.3	5.3	5.3	5.0	5.0	4.7	4.7	5.2
JS 809	4.0	56.7	36.0	5.3	4.7	5.3	5.3	5.7	5.7	5.3	4.3	5.2
REBOUNDER (PICK-W43)	3.7	57.3	49.7	5.7	4.0	4.7	5.0	5.7	5.7	5.7	5.0	5.2
ROCKWELL (LTP-TWUU)	3.3	37.7	30.3	5.7	6.0	5.7	5.3	5.0	5.3	4.3	4.0	5.2

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) GROWN UNDER SHADE AT CARBONDALE, IL 1/  
 2015 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
EMBRACE (PST-5EV2)	3.3	39.7	44.3	6.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.1
FIREBIRD 2	3.7	47.0	33.3	6.0	5.0	5.0	5.0	4.7	5.3	5.3	4.7	5.1
IS-TF 276 M2	5.0	35.3	36.3	6.3	5.3	5.3	5.7	5.3	4.7	4.3	3.7	5.1
PPG-TF-169	2.3	47.7	47.3	4.7	4.3	5.3	5.3	5.3	5.3	5.7	5.0	5.1
'COMMANDER (PPG-TF-170)	3.7	58.0	49.7	6.0	4.7	5.0	5.0	5.3	5.3	5.0	4.7	5.1
PSG-GSD	3.7	48.3	42.0	6.0	4.7	5.3	5.0	5.0	5.7	5.0	4.3	5.1
RAD-TF-89	4.0	50.3	30.7	5.3	5.0	5.3	5.0	5.0	5.7	5.0	4.3	5.1
PPG-TF-115	3.3	47.0	45.0	6.0	4.7	5.0	5.7	5.7	5.0	4.3	4.0	5.0
PARAMOUNT (PPG-TF-137)	4.0	48.0	32.7	6.0	5.0	5.3	5.0	5.3	4.7	4.7	4.3	5.0
THUNDERSTRUCK (TD1)	2.7	56.0	44.3	5.3	4.7	5.0	4.7	5.3	5.3	5.0	4.7	5.0
WARHAWK	4.0	54.7	43.3	5.7	5.0	5.3	4.7	4.3	5.7	5.0	4.3	5.0
BLACK TAIL (PPG-TF-150)	3.3	43.7	44.0	6.0	4.7	4.7	4.7	4.7	5.3	5.0	4.3	4.9
FALCON IV	4.7	44.3	33.3	5.7	5.7	5.3	5.0	4.3	4.7	4.7	4.0	4.9
HOVER (BURL TF-69)	3.0	20.0	29.3	5.7	5.0	5.0	4.7	4.7	4.3	4.7	5.0	4.9
XTENDER (PPG-TF-139)	4.0	33.3	29.0	6.3	5.3	5.3	5.0	5.0	4.7	4.0	3.3	4.9
BAR FA 121095	2.7	52.3	39.3	4.7	4.3	4.7	4.7	4.7	4.7	5.3	5.0	4.8
IS-TF 269 SEL	4.0	36.0	33.0	5.3	5.3	5.0	4.7	3.7	4.3	5.0	4.7	4.8
CROSSFIRE 4 (IS-TF 310 SEL)	3.0	37.7	35.3	6.0	5.7	5.3	4.7	4.0	4.3	4.0	4.3	4.8
JS 916	3.0	36.7	47.0	5.7	4.7	5.0	4.7	4.7	4.3	4.3	5.3	4.8
LEONARDO (LTP-FSD)	3.0	39.0	37.0	6.0	4.3	4.7	4.7	5.0	4.3	4.3	4.7	4.8
BLOODHOUND (MET 6 SEL)	3.7	43.0	37.0	6.0	5.0	5.0	4.7	4.3	4.7	4.0	4.7	4.8
RAIN DANCE (PST-5SDT)	2.7	49.3	44.7	4.7	4.0	5.0	5.0	5.3	5.0	4.7	4.7	4.8
REGENERATE	2.7	48.3	41.3	6.0	5.0	4.7	5.0	4.7	4.7	4.3	4.3	4.8
ANNIHILATOR	3.3	41.0	53.7	4.0	4.3	4.7	5.0	5.0	4.3	4.7	5.7	4.7
ATF 1754	3.0	38.7	33.3	5.3	4.7	5.0	4.3	4.7	5.0	4.3	4.0	4.7
FAITH	3.3	37.7	34.7	5.3	4.3	4.7	4.7	4.7	5.3	4.7	4.0	4.7
IS-TF-287	3.3	48.7	36.7	5.7	5.0	5.3	4.7	4.3	4.3	4.3	4.0	4.7
RAD-TF-83	2.7	45.3	46.0	5.3	4.3	4.7	4.3	4.3	5.0	5.0	4.3	4.7
FALCON V	3.7	43.7	26.3	5.3	4.3	4.7	4.7	4.7	5.0	4.0	4.0	4.6
RHIZING MOON (IS-TF 305 SEL)	4.0	39.7	35.3	6.0	4.3	4.7	4.7	5.0	4.0	4.0	4.0	4.6
KINGDOM (DB1)	3.0	39.0	43.7	5.0	4.0	4.7	4.3	4.3	5.3	5.0	4.0	4.6
AQUADUCT	4.0	41.3	32.7	4.7	4.3	4.7	4.7	4.7	4.3	4.7	4.0	4.5
AVENGER II (PPG-TF-156)	5.0	29.3	28.3	6.3	5.3	5.0	4.3	3.7	4.0	3.3	4.3	4.5
DIABLO (IS-TF 330)	3.3	29.7	39.7	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.7	4.5
MICHELANGELO (LTP-F5DPDR)	3.0	33.0	32.7	5.0	4.0	4.3	4.3	4.7	4.7	4.3	4.3	4.5
PSG-8BP2	3.3	25.0	21.7	5.0	4.3	4.7	5.0	5.0	3.7	4.0	4.0	4.5
PST-5MVD	3.3	40.7	37.7	5.3	4.3	4.7	4.3	4.3	4.3	4.7	4.3	4.5
TURFWAY (IS-TF 282 M2)	2.7	37.3	38.7	5.0	4.3	4.7	4.3	4.7	5.0	4.3	3.7	4.5
FOXHOUND (IS-TF 284 M2)	3.0	37.3	47.3	4.0	4.3	5.0	4.7	5.0	4.3	4.0	4.0	4.4
GRANDE 3	4.3	34.0	33.0	5.3	3.7	4.0	4.0	4.3	4.7	4.7	4.3	4.4
JS 818	2.0	38.7	26.0	5.0	4.3	4.7	4.3	4.3	4.7	4.0	3.7	4.4
RAD-TF-92	3.0	39.0	36.0	5.3	5.0	4.7	4.3	4.0	4.3	4.0	3.7	4.4
AMITY (CCR2)	2.7	35.3	49.0	4.3	3.3	4.0	4.0	4.7	4.7	4.0	5.0	4.3
JS 819	4.0	34.0	27.7	4.3	3.7	4.0	4.0	4.3	5.0	4.7	4.3	4.3
K12-13	2.3	31.7	23.0	4.0	4.0	4.7	5.0	5.0	5.0	3.7	3.0	4.3

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2015 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS									MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PST-5DZP	4.0	35.7	24.3	5.3	4.3	4.3	3.7	3.3	5.3	4.7	3.7	4.3	
TEMPLE (DZ1)	3.7	36.0	30.0	5.3	4.0	4.0	3.7	3.7	4.7	4.7	4.3	4.3	
TEMPTATION (OR-21)	3.0	45.0	32.7	4.7	3.7	4.3	4.7	5.3	4.3	3.7	3.7	4.3	
W41	3.0	33.7	30.0	5.0	4.0	4.7	4.3	4.3	4.0	4.3	4.0	4.3	
BULLSEYE	4.0	31.3	28.7	4.7	4.7	4.7	4.3	3.7	4.0	3.7	4.0	4.2	
NIGHTCRAWLER (IS-TF 285)	4.3	34.0	28.3	5.3	4.0	4.3	4.0	4.3	4.3	3.7	3.3	4.2	
THOR (PPG-TF-157)	3.3	39.3	42.0	4.0	2.7	3.3	4.0	4.7	4.7	5.0	4.7	4.1	
BAR FA 121091	2.3	33.0	34.7	4.0	3.3	4.7	4.3	3.3	4.0	4.3	4.3	4.0	
HOT ROD (BURL TF-136)	3.7	25.7	41.7	5.0	4.0	3.7	3.7	3.3	4.3	4.3	4.0	4.0	
JS 825	2.3	33.3	27.7	5.3	4.3	4.3	4.0	3.7	3.7	3.0	3.3	4.0	
INSPIRATION (PST-R5NW)	3.0	25.0	24.3	4.7	4.3	4.3	4.0	4.0	4.0	3.0	3.0	3.9	
IS-TF 311	4.0	25.0	24.3	4.7	4.0	4.0	4.3	4.3	3.3	3.3	3.3	3.9	
MARAUDER	2.0	26.3	36.7	3.3	2.7	3.7	4.0	4.0	4.7	4.3	4.3	3.9	
KY-31	4.0	22.3	36.7	4.7	3.0	3.7	3.3	4.0	4.0	4.3	3.3	3.8	
MEMPHIS (GO-DFR)	2.7	26.0	22.3	3.7	4.0	4.0	3.7	3.7	4.3	3.0	3.0	3.7	
IS-TF 308 SEL	3.0	32.3	25.3	4.3	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
UNITUS (IS-TF 289)	3.0	26.3	20.7	5.0	3.7	3.7	3.0	3.0	3.3	3.0	3.3	3.5	
K12-05	2.0	26.3	25.7	3.3	3.3	3.7	3.3	3.3	3.7	3.3	3.7	3.5	
OLYMPUS (RAD-TF-88)	2.0	13.3	25.3	4.0	3.3	3.3	3.3	3.0	3.3	3.7	3.7	3.5	
DYNAMITE LS (PPG-TF-145)	1.7	28.7	19.3	4.0	3.0	3.3	3.3	3.3	3.3	3.0	2.3	3.2	
204 RES. BLK4	2.7	29.7	15.0	3.0	3.0	3.3	3.3	3.0	2.7	3.0	3.0	3.0	
ARES (PPG-TF-142)	1.7	17.7	15.0	3.0	3.0	3.3	3.0	3.0	2.7	2.3	3.3	3.0	
COMP. RES. SST	2.0	12.3	14.7	3.0	2.7	3.0	3.3	3.3	3.0	2.7	2.7	3.0	
PPG-TF-135	2.3	14.3	20.3	4.0	2.7	3.0	2.7	2.7	2.7	2.7	3.3	3.0	
BAR FA 120878	2.3	13.0	21.7	3.0	2.3	3.0	2.7	3.0	2.3	2.3	2.0	2.6	
SWAGGER (PST-5R05)	1.7	8.7	11.0	3.3	2.7	3.0	2.3	2.3	2.3	2.0	2.0	2.5	
LSD VALUE	1.8	125.3	110.2	3.8	3.8	5.3	5.8	7.9	10.0	7.9	6.8	5.0	
C.V. (%)	27.0	60.1	58.2	27.1	29.6	28.8	32.4	37.4	39.9	38.7	35.7	29.4	

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.



Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 16 MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
 2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR DECEMBER	QUALITY RATINGS							MEAN
						APR	MAY	JUN	JUL	AUG	SEP	OCT	
IS-TF 308 SEL	7.0	5.0	6.7	8.0	5.3	5.0	6.0	6.7	6.3	6.7	5.3	6.0	6.0
REBOUNDER (PICK-W43)	7.0	5.7	7.7	7.7	5.7	5.3	7.0	7.7	6.3	5.7	4.0	6.3	6.0
GTO (BURL TF-2)	5.7	4.3	7.0	6.7	4.7	5.0	6.7	7.0	5.7	6.0	5.0	5.7	5.9
MET-3	6.0	5.0	6.7	6.3	4.7	5.3	6.7	7.0	5.7	6.0	4.3	6.0	5.9
MICHELANGELO (LTP-F5DPDR)	6.0	5.0	6.7	6.3	5.7	5.3	6.7	7.0	5.7	6.0	4.7	6.0	5.9
PPG-TF-135	6.3	4.0	6.7	8.7	5.3	4.3	5.7	6.3	6.7	6.3	5.3	6.7	5.9
TRAVERSE 2 SRP (W45)	6.3	4.3	6.7	7.3	5.3	5.0	6.7	6.7	6.0	6.0	4.3	6.3	5.9
AVENGER II (PPG-TF-156)	6.3	4.7	7.0	6.3	5.3	5.0	6.0	6.7	6.3	6.3	4.7	5.7	5.8
BIZEM	6.3	4.7	6.3	7.0	5.0	5.3	6.0	7.0	5.7	6.0	4.7	5.7	5.8
BLACK TAIL (PPG-TF-150)	6.0	4.7	7.0	7.7	4.3	5.0	6.0	7.0	6.0	6.0	5.0	5.7	5.8
MAESTRO (T31)	6.7	5.0	6.7	7.0	5.0	5.7	6.0	6.7	6.3	4.7	4.3	7.0	5.8
PPG-TF-172	6.7	4.7	6.3	7.0	5.0	4.3	6.7	7.0	5.7	5.7	4.7	6.3	5.8
TERRANO	5.7	4.3	6.3	6.7	5.3	5.3	6.7	6.7	6.3	5.3	4.3	5.7	5.8
THOR (PPG-TF-157)	7.0	4.7	6.7	5.7	5.7	5.0	7.0	6.7	5.0	6.3	4.7	5.7	5.8
TITANIUM 2LS (PPG-TF-152)	6.7	4.3	6.7	6.3	5.3	5.3	6.7	7.3	6.0	5.0	4.0	6.0	5.8
4TH MILLENNIUM SRP (U43)	6.3	4.0	6.7	7.0	4.7	4.7	6.3	6.7	6.3	5.7	4.3	6.0	5.7
ARES (PPG-TF-142)	7.7	4.3	6.3	7.0	5.3	5.3	6.7	7.3	5.0	5.3	4.0	6.0	5.7
ATF 1612	6.3	4.3	7.3	7.7	5.7	5.0	6.0	6.3	6.0	5.7	4.3	6.7	5.7
ATF 1704	5.7	5.0	6.3	6.3	5.3	5.0	6.0	6.7	5.7	5.3	5.0	6.0	5.7
B23	6.3	4.0	7.0	6.3	5.0	4.7	7.0	6.3	6.3	5.7	4.0	5.7	5.7
F711	5.7	5.0	6.3	6.7	5.3	5.0	7.0	7.0	6.0	5.3	3.7	6.0	5.7
FALCON V	6.3	4.7	6.3	5.7	5.7	5.0	6.0	6.7	5.3	6.3	4.7	5.7	5.7
FIREBIRD 2	6.0	4.3	6.3	6.3	4.3	4.7	6.7	6.3	5.0	6.3	5.3	5.3	5.7
HEMI	6.3	4.3	7.0	6.0	5.0	4.3	6.7	6.7	6.3	5.3	4.3	6.0	5.7
IS-TF 276 M2	6.0	4.7	6.7	6.0	4.7	6.3	6.7	6.3	5.7	4.3	4.3	6.0	5.7
BLOODHOUND (MET 6 SEL)	5.0	4.7	7.3	6.7	4.3	5.0	6.3	6.3	6.0	5.0	4.3	6.7	5.7
PPG-TF-115	6.0	4.7	5.3	6.3	5.7	5.3	7.0	7.0	6.0	5.0	3.7	6.0	5.7
WICHITA (PPG-TF-151)	6.3	5.0	6.7	6.3	4.7	5.0	7.0	6.3	5.3	6.0	4.7	5.7	5.7
PPG-TF-169	5.7	4.7	7.0	7.3	4.7	5.0	6.3	6.3	5.3	5.0	5.3	6.3	5.7
PST-5BPO	5.3	5.0	6.0	8.0	4.3	5.7	6.7	6.3	6.0	4.3	4.3	6.7	5.7
PST-5BRK	4.7	4.7	6.7	6.7	4.3	5.0	6.7	6.0	5.3	5.7	4.7	6.3	5.7
PST-5EX2	4.7	5.0	5.7	7.7	4.3	5.7	5.7	6.3	6.0	5.0	4.7	6.3	5.7
PST-5MVD	5.0	4.3	6.0	6.3	4.7	5.0	6.3	6.3	5.7	5.7	4.3	6.3	5.7
REFLECTION (U45)	6.7	4.0	6.3	7.3	5.3	5.0	6.3	7.0	6.0	5.3	4.7	5.3	5.7
ROCKWELL (LTP-TWUU)	6.3	4.3	6.0	7.3	5.0	4.7	6.3	7.0	6.0	5.3	4.0	6.3	5.7
ROWDY (SRX-TPC)	6.0	4.0	6.7	7.3	5.0	5.0	6.7	7.0	6.0	6.0	4.3	5.0	5.7
FIRECRACKER SLS (PPG-TF-105)	6.7	4.7	6.0	6.7	5.0	4.3	6.7	6.7	6.3	5.3	4.3	5.7	5.6
GRANDE 3	6.0	4.7	7.0	6.3	5.3	4.7	6.3	6.7	5.3	6.0	4.3	5.7	5.6
HOUNDG8 (IS-TF 307 SEL)	6.7	4.3	7.0	6.7	4.7	5.0	6.3	6.7	5.3	5.3	4.3	6.3	5.6
KINGDOM (DB1)	7.0	5.0	6.3	7.7	5.3	5.3	7.3	5.3	5.0	5.3	4.7	6.0	5.6
LEONARDO (LTP-FSD)	6.0	4.7	6.0	7.3	5.0	5.0	6.3	6.7	6.0	5.3	4.3	5.7	5.6
REGENERATE	6.7	4.7	6.7	6.3	5.7	5.0	5.7	6.3	5.3	6.0	5.0	5.7	5.6
RHAMBLER 2 SRP (LSD)	6.0	4.0	6.7	6.3	5.0	5.0	7.0	6.3	5.3	5.3	4.3	5.7	5.6
SCREAMER LS (PPG-TF-148)	6.0	4.3	7.3	6.7	5.3	5.0	6.0	6.3	5.7	5.7	4.7	6.0	5.6
TECHNIQUE (RZ2)	6.0	3.7	7.3	6.7	4.7	4.3	6.3	7.0	5.3	5.7	5.0	5.7	5.6

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
 2015 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR DECEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
TEMPLE (DZ1)	6.3	4.3	6.3	6.3	6.0	4.3	6.0	6.3	5.3	6.0	5.0	6.3	5.6
AMITY (CCR2)	6.3	4.7	6.7	7.3	4.3	4.3	6.3	7.0	6.3	5.3	4.0	5.3	5.5
FRONTLINE (EXP TF-09)	7.3	5.0	6.3	6.3	5.0	6.3	7.0	6.3	4.3	4.3	3.7	6.7	5.5
HOT ROD (BURL TF-136)	6.0	4.0	7.7	5.7	4.7	4.7	6.3	6.7	5.3	5.0	4.0	6.3	5.5
IS-TF-287	6.3	5.0	6.7	7.7	4.3	5.3	6.0	6.7	6.0	5.0	3.7	6.0	5.5
MET 1	6.0	5.0	6.7	5.7	5.0	4.7	6.0	6.7	4.7	5.7	4.7	6.0	5.5
PPG-TF-138	6.0	4.0	7.0	6.0	5.7	5.0	7.0	7.0	5.0	6.0	3.3	5.3	5.5
PSG-GSD	5.7	5.0	6.0	6.0	5.0	6.0	6.7	6.3	5.7	5.3	3.3	5.3	5.5
PSG-P01	6.0	5.0	6.7	6.3	4.0	4.7	6.3	6.3	5.3	5.3	4.3	6.0	5.5
RAD-TF-89	6.3	3.7	6.0	7.7	4.7	4.3	6.3	6.0	6.3	5.0	4.7	6.0	5.5
SALTILLO (PST-5SALT)	5.0	4.7	6.0	6.3	4.3	4.7	6.7	6.0	5.7	5.7	3.7	6.0	5.5
ATF 1736	6.0	5.0	6.0	8.0	4.7	4.3	6.3	6.7	5.7	5.3	4.0	5.3	5.4
CATALYST	6.0	4.3	6.3	5.7	4.3	5.0	6.3	7.0	4.7	5.3	4.3	5.3	5.4
DIABLO (IS-TF 330)	7.0	5.0	7.3	7.3	5.0	5.0	6.7	6.7	5.7	5.3	3.7	5.0	5.4
DYNAMITE LS (PPG-TF-145)	7.0	4.3	6.3	6.7	5.0	5.7	6.0	6.0	5.3	5.0	4.3	5.3	5.4
EMBRACE (PST-5EV2)	5.3	4.7	7.0	6.3	4.0	4.7	6.0	6.3	5.7	5.7	4.3	5.3	5.4
FESNOVA	6.0	5.0	6.3	6.3	5.0	5.0	6.3	6.3	5.7	4.0	4.3	6.0	5.4
FIREWALL (PSG-WE1)	7.0	4.3	6.7	6.7	4.7	4.3	6.3	6.3	5.7	5.0	4.0	6.0	5.4
MEMPHIS (GO-DFR)	6.3	4.3	6.3	5.3	4.3	5.3	7.0	6.3	4.7	4.7	4.0	5.7	5.4
IS-TF 311	6.0	4.7	6.3	6.7	4.3	5.3	6.0	6.7	5.0	5.7	3.7	5.3	5.4
JS 916	6.7	5.0	6.0	6.7	5.0	4.7	6.3	5.7	5.0	5.7	4.7	5.7	5.4
MERIDIAN (PST-5GRB)	5.3	3.7	6.7	7.3	4.0	4.0	6.0	6.7	5.3	5.7	4.7	5.7	5.4
PARAMOUNT (PPG-TF-137)	6.3	3.3	6.7	7.3	5.3	4.0	6.0	6.7	6.0	5.3	4.0	5.7	5.4
RAPTOR III (ZW 44)	6.0	5.0	6.7	6.3	4.7	4.3	6.0	7.3	6.0	5.0	3.7	5.7	5.4
SWAGGER (PST-5R05)	5.0	5.0	5.7	7.0	4.0	4.7	6.3	5.7	5.7	5.3	4.3	5.7	5.4
AQUADUCT	4.7	4.7	5.7	6.0	4.0	5.3	6.3	6.0	6.0	4.3	3.7	5.7	5.3
FAITH	6.3	5.0	6.3	6.0	4.3	5.7	6.0	5.7	5.0	5.3	3.3	6.0	5.3
FALCON IV	6.0	5.0	6.0	5.7	4.3	5.3	6.0	6.3	5.7	4.7	3.7	5.3	5.3
FAYETTE (IS-TF 291)	7.0	4.7	6.7	5.3	5.3	5.3	6.3	6.3	4.3	5.0	4.0	6.0	5.3
HOVER (BURL TF-69)	6.3	4.3	6.7	5.7	4.3	5.0	6.3	6.7	5.0	5.3	3.7	5.3	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	4.3	6.0	6.3	4.7	4.7	6.0	6.0	5.0	5.0	4.3	6.0	5.3
JS 819	6.3	4.7	6.0	5.7	4.0	5.7	6.7	6.3	4.7	5.0	3.3	5.7	5.3
K12-MCD	5.7	4.3	7.0	6.3	4.7	5.0	6.3	6.7	5.0	5.0	3.7	5.7	5.3
'COMMANDER (PPG-TF-170)	6.3	4.7	6.0	5.7	4.7	5.0	6.3	6.7	5.7	4.7	3.3	5.7	5.3
PSG-TT4	5.7	4.7	6.0	5.7	4.0	5.0	6.0	6.0	4.3	5.0	5.0	5.7	5.3
OLYMPUS (RAD-TF-88)	6.0	3.7	6.7	6.3	5.0	4.7	5.7	6.0	5.0	5.7	4.7	5.3	5.3
TURFWAY (IS-TF 282 M2)	7.7	4.7	6.3	6.3	4.0	5.0	6.7	6.0	5.0	5.0	4.7	5.0	5.3
ATF 1754	5.3	4.0	7.0	7.0	4.3	4.7	6.0	6.0	5.0	5.3	4.7	5.0	5.2
BAR FA 121091	7.7	4.7	5.7	7.0	4.3	5.0	6.0	6.0	5.7	5.0	3.7	5.0	5.2
BULLSEYE	6.3	4.7	6.3	5.7	4.0	5.3	6.3	7.0	4.7	4.7	3.0	5.7	5.2
CAESAR (TY 10)	7.0	5.0	6.0	6.3	5.3	5.3	6.3	6.3	4.0	5.0	4.0	5.3	5.2
FOXHOUND (IS-TF 284 M2)	7.7	4.3	6.3	5.7	4.3	5.0	7.0	5.7	4.7	5.0	4.0	5.0	5.2
RHIZING MOON (IS-TF 305 SEL)	7.3	5.0	6.0	6.0	4.3	5.7	6.0	6.3	4.3	4.7	3.7	6.0	5.2
JS 825	5.3	5.0	5.7	4.7	4.0	6.3	6.7	6.0	4.3	3.7	3.7	5.7	5.2
PSG-8BP2	6.0	5.0	6.3	6.0	4.0	5.0	6.0	6.3	5.3	4.7	4.0	5.3	5.2

TABLE 16. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
FOR BROWN PATCH STUDY AT WICHITA, KS 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR DECEMBER	QUALITY RATINGS						MEAN	
						APR	MAY	JUN	JUL	AUG	SEP		OCT
W41	7.0	4.3	6.3	6.0	5.0	4.7	6.3	5.7	4.0	6.0	4.3	5.7	5.2
BAR FA 121089	6.0	4.7	6.3	6.3	5.0	5.7	6.3	6.3	4.7	4.7	3.0	5.0	5.1
IS-TF 269 SEL	7.0	4.0	6.3	6.0	4.7	4.7	6.7	5.7	4.7	4.0	4.3	5.7	5.1
NIGHTCRAWLER (IS-TF 285)	7.0	4.7	6.7	6.7	4.0	5.0	7.3	6.7	5.3	3.7	2.7	5.0	5.1
JS 818	6.3	4.3	6.3	6.7	4.0	5.7	6.3	6.0	4.3	4.3	3.3	5.7	5.1
PST-5DZP	6.3	4.7	6.3	6.0	4.0	5.7	7.0	5.3	4.3	4.7	3.0	5.7	5.1
RAD-TF-92	5.7	4.3	6.7	6.3	5.0	4.7	6.3	5.7	4.7	4.7	4.7	5.3	5.1
RAIN DANCE (PST-5SDT)	5.3	5.3	5.7	5.7	4.0	5.7	6.0	6.0	4.3	4.0	4.0	5.7	5.1
XTENDER (PPG-TF-139)	6.7	4.7	6.7	6.7	4.7	5.3	6.7	6.0	5.7	4.0	3.0	5.3	5.1
ANNIHILATOR	6.3	4.0	6.3	5.7	4.3	5.0	6.0	5.3	4.0	5.0	3.7	5.7	5.0
COMP. RES. SST	5.7	4.3	7.3	5.0	4.7	5.3	6.0	4.7	4.7	4.7	4.0	5.7	5.0
INSPIRATION (PST-R5NW)	6.0	4.7	5.3	6.7	4.0	4.7	5.7	6.0	5.3	4.7	3.7	5.3	5.0
RAD-TF-83	6.7	4.0	6.7	6.3	5.0	5.0	6.0	5.7	4.7	4.3	4.3	5.3	5.0
TEMPTATION (OR-21)	7.7	4.7	6.0	5.7	5.3	5.3	6.3	6.3	4.0	4.0	3.7	5.0	5.0
THUNDERSTRUCK (TD1)	6.7	5.3	6.0	5.0	5.0	5.7	6.7	5.3	4.0	4.7	3.3	5.7	5.0
WARHAWK	6.3	4.0	6.7	6.3	4.3	5.3	5.7	5.0	4.3	4.7	4.0	5.7	5.0
BAR FA 121095	6.0	4.3	6.0	5.3	3.7	5.3	6.0	5.7	4.3	3.7	4.0	5.3	4.9
K12-05	6.3	4.0	6.0	6.7	4.3	4.7	6.3	5.3	5.0	3.7	4.0	5.3	4.9
MARAUDER	5.3	3.7	5.7	4.7	4.7	5.0	5.7	5.0	3.7	5.0	4.0	5.7	4.9
BAR FA 120878	4.3	4.7	5.0	7.7	4.0	5.0	5.0	5.0	4.7	4.3	4.3	5.3	4.8
IS-TF 272	7.3	4.3	7.0	6.3	5.0	5.0	6.0	6.0	5.0	3.7	3.0	5.0	4.8
UNITUS (IS-TF 289)	7.0	4.0	6.3	4.7	4.7	4.7	5.7	6.3	3.7	4.0	3.7	5.3	4.8
JS 809	6.3	4.3	6.3	4.3	4.0	6.0	6.3	5.7	3.3	4.0	2.7	5.3	4.8
204 RES. BLK4	5.3	4.0	7.0	5.3	4.3	4.7	6.0	4.3	4.0	4.3	3.3	6.0	4.7
K12-13	7.0	3.3	6.0	6.3	4.0	4.3	5.7	5.3	5.0	3.7	3.7	5.3	4.7
KY-31	3.0	5.0	3.3	7.7	4.0	4.0	4.0	3.7	3.7	3.0	4.0	4.0	3.8
LSD VALUE	1.0	1.5	1.1	2.7	0.9	2.0	1.1	1.2	1.7	1.8	2.2	1.0	0.5
C.V. (%)	9.9	13.3	9.5	17.0	11.0	14.0	8.9	10.8	16.3	17.3	20.1	9.2	5.8

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

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

TABLE 17. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/ 2015 DATA

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

NAME	BROWN PATCH (WARM TEMP.)	NAME	BROWN PATCH (WARM TEMP.)
F711	8.0	ATF 1704	7
GTO (BURL TF-2)	8.0	BLACK TAIL (PPG-TF-150)	7
TECHNIQUE (RZ2)	8.0	BULLSEYE	7
FAYETTE (IS-TF 291)	7.7	CAESAR (TY 10)	7
MET 1	7.7	CATALYST	7
BLOODHOUND (MET 6 SEL)	7.7	AMITY (CCR2)	7
PARAMOUNT (PPG-TF-137)	7.7	COMP. RES. SST	7
PSG-PO1	7.7	DIABLO (IS-TF 330)	7
PST-5BRK	7.7	FALCON IV	7
RAPTOR III (ZW 44)	7.7	FESNOVA	7
REFLECTION (U45)	7.7	FIRECRACKER SLS (PPG-TF-105)	7
ROWDY (SRX-TPC)	7.7	FOXHOUND (IS-TF 284 M2)	7
ARES (PPG-TF-142)	7.3	FRONTLINE (EXP TF-09)	7
ATF 1754	7.3	MEMPHIS (GO-DFR)	7
AVENGER II (PPG-TF-156)	7.3	HEMI	7
B23	7.3	HOVER (BURL TF-69)	7
BIZEM	7.3	INSPIRATION (PST-R5NW)	7
DYNAMITE LS (PPG-TF-145)	7.3	IS-TF 272	7
EMBRACE (PST-5EV2)	7.3	RHIZING MOON (IS-TF 305 SEL)	7
FAITH	7.3	JS 819	7
FALCON V	7.3	JS 825	7
FIREBIRD 2	7.3	JS 916	7
FIREWALL (PSG-WE1)	7.3	K12-MCD	7
GRANDE 3	7.3	KINGDOM (DB1)	7
HOT ROD (BURL TF-136)	7.3	KY-31	7
IS-TF 269 SEL	7.3	LEONARDO (LTP-FSD)	7
IS-TF 276 M2	7.3	MET-3	7
NIGHTCRAWLER (IS-TF 285)	7.3	MICHELANGELO (LTP-F5DPDR)	7
UNITUS (IS-TF 289)	7.3	PPG-TF-115	7
HOUNDG8 (IS-TF 307 SEL)	7.3	PPG-TF-135	7
IS-TF 308 SEL	7.3	WICHITA (PPG-TF-151)	7
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	'COMMANDER (PPG-TF-170)	7
IS-TF 311	7.3	PSG-8BP2	7
IS-TF-287	7.3	PSG-GSD	7
MAESTRO (T31)	7.3	PSG-TT4	7
MERIDIAN (PST-5GRB)	7.3	PST-5BPO	7
REBOUNDER (PICK-W43)	7.3	PST-5DZP	7
PPG-TF-138	7.3	PST-5EX2	7
PPG-TF-169	7.3	PST-5MVD	7
PPG-TF-172	7.3	RAD-TF-83	7
RAIN DANCE (PST-5SDT)	7.3	OLYMPUS (RAD-TF-88)	7
SWAGGER (PST-5R05)	7.3	RAD-TF-89	7
TEMPLE (DZ1)	7.3	RAD-TF-92	7
204 RES. BLK4	7.0	REGENERATE	7
4TH MILLENNIUM SRP (U43)	7.0	RHAMBLER 2 SRP (LSD)	7

TABLE 17. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) FOR BROWN PATCH STUDY AT LEXINGTON, KY 1/  
2015 DATA

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

NAME	BROWN PATCH (WARM TEMP.)
ROCKWELL (LTP-TWUU)	7.0
SALTILLO (PST-5SALT)	7.0
SCREAMER LS (PPG-TF-148)	7.0
TEMPTATION (OR-21)	7.0
TERRANO	7.0
THOR (PPG-TF-157)	7.0
THUNDERSTRUCK (TD1)	7.0
TRAVERSE 2 SRP (W45)	7.0
TURFWAY (IS-TF 282 M2)	7.0
W41	7.0
XTENDER (PPG-TF-139)	7.0
ANNIHILATOR	6.7
ATF 1612	6.7
ATF 1736	6.7
BAR FA 120878	6.7
BAR FA 121095	6.7
JS 809	6.7
JS 818	6.7
K12-05	6.7
MARAUDER	6.7
TITANIUM 2LS (PPG-TF-152)	6.7
AQUADUCT	6.3
BAR FA 121089	6.3
K12-13	6.3
WARHAWK	6.3
BAR FA 121091	6.0
LSD VALUE	0.7
C.V. (%)	5.4

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

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

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
THUNDERSTRUCK (TD1)	7.0	8.0	7.3	7.7	6.0	6.0	5.3	4.3	6.1	
REGENERATE	6.0	7.0	7.0	6.7	5.3	5.7	6.3	5.0	6.0	
REBOUNDER (PICK-W43)	6.0	6.7	6.7	6.3	5.0	5.3	6.3	5.7	5.9	
RAPTOR III (ZW 44)	6.7	7.0	7.0	7.0	5.7	4.7	5.7	5.3	5.9	
TURFWAY (IS-TF 282 M2)	6.7	7.3	7.3	6.3	6.0	5.3	5.7	5.0	5.9	
AVENGER II (PPG-TF-156)	5.7	6.7	6.7	6.7	5.3	5.0	5.3	5.7	5.8	
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	7.0	7.3	6.3	5.7	5.3	5.0	5.0	5.8	
MET 1	6.7	7.3	6.0	6.0	5.7	5.7	6.0	5.3	5.8	
IS-TF 269 SEL	6.3	6.7	6.3	6.0	5.3	6.0	5.3	5.0	5.7	
IS-TF 272	7.3	6.3	7.3	6.0	6.0	5.3	5.3	4.3	5.7	
UNITUS (IS-TF 289)	6.7	5.3	7.3	6.7	5.0	5.0	5.3	4.7	5.7	
B23	6.0	6.7	7.0	6.7	5.0	4.7	5.0	5.0	5.6	
AMITY (CCR2)	6.0	7.0	6.0	6.0	5.0	5.3	6.0	5.3	5.6	
FAYETTE (IS-TF 291)	6.0	6.0	6.0	5.7	5.0	5.3	6.0	5.3	5.6	
FOXHOUND (IS-TF 284 M2)	7.0	6.7	7.0	6.0	5.7	4.7	5.3	4.7	5.6	
HOT ROD (BURL TF-136)	6.3	6.3	7.0	6.3	5.3	5.3	5.3	4.3	5.6	
HOVER (BURL TF-69)	6.0	7.0	6.7	6.7	5.0	5.0	5.3	5.0	5.6	
HOUNDG8 (IS-TF 307 SEL)	6.7	7.0	7.3	5.7	5.7	5.3	5.0	4.3	5.6	
KINGDOM (DB1)	7.0	6.3	7.0	6.7	5.0	5.3	5.3	4.3	5.6	
MET-3	6.0	7.7	5.7	5.3	5.3	6.0	6.0	5.3	5.6	
TRAVERSE 2 SRP (W45)	6.0	7.0	7.3	5.7	4.7	5.0	6.0	5.0	5.6	
4TH MILLENNIUM SRP (U43)	6.0	6.7	5.7	5.7	5.0	5.0	6.0	5.7	5.5	
DIABLO (IS-TF 330)	7.0	7.0	7.0	6.0	5.3	5.0	5.3	4.3	5.5	
PARAMOUNT (PPG-TF-137)	6.0	6.3	6.0	6.0	5.3	5.3	5.7	4.7	5.5	
PPG-TF-172	6.0	6.0	6.3	6.0	5.3	5.0	5.7	4.7	5.5	
RAD-TF-92	6.0	6.7	6.7	5.7	5.3	5.3	5.3	4.7	5.5	
REFLECTION (U45)	6.0	6.7	7.3	5.7	4.7	5.0	5.7	4.7	5.5	
ARES (PPG-TF-142)	7.0	6.3	6.3	5.7	5.7	5.0	5.3	4.3	5.4	
BIZEM	6.0	7.3	6.3	6.0	5.3	5.0	5.3	4.7	5.4	
CATALYST	6.0	6.3	5.7	5.3	5.0	5.3	6.0	5.3	5.4	
F711	6.0	6.7	5.7	5.7	5.0	5.3	5.7	5.0	5.4	
FIREBIRD 2	6.0	7.3	6.3	5.7	5.0	5.7	5.3	4.3	5.4	
FIREWALL (PSG-WE1)	6.0	7.0	6.0	5.3	5.3	5.7	5.7	4.7	5.4	
K12-05	6.0	6.3	7.0	5.3	5.0	5.3	5.7	4.3	5.4	
K12-13	6.0	6.3	7.3	6.7	4.3	5.0	5.3	4.0	5.4	
K12-MCD	6.0	6.7	5.7	6.0	5.0	5.3	5.7	4.7	5.4	
TEMPTATION (OR-21)	7.3	6.7	6.7	6.0	5.3	5.0	5.0	4.7	5.4	
THOR (PPG-TF-157)	6.3	7.3	6.3	6.3	5.3	5.0	5.0	4.7	5.4	
204 RES. BLK4	6.0	6.0	4.7	5.3	5.3	6.0	5.7	5.0	5.3	
DYNAMITE LS (PPG-TF-145)	7.0	6.7	6.7	6.7	5.3	4.7	4.7	4.0	5.3	
FESNOVA	6.7	6.7	6.0	5.7	5.0	4.7	5.7	5.0	5.3	
FIRECRACKER SLS (PPG-TF-105)	6.0	6.3	6.7	6.0	5.0	5.0	5.0	4.3	5.3	
IS-TF 276 M2	6.3	6.0	5.7	5.7	5.3	5.3	5.0	5.0	5.3	
NIGHTCRAWLER (IS-TF 285)	6.0	6.3	6.3	5.7	5.3	5.0	5.0	4.7	5.3	
LEONARDO (LTP-FSD)	6.0	6.7	6.3	5.7	5.0	5.0	5.3	4.3	5.3	

Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS						MEAN
			MAY	JUN	JUL	AUG	SEP	OCT	
BLOODHOUND (MET 6 SEL)	5.7	7.0	5.3	6.0	5.0	5.3	5.7	4.7	5.3
PPG-TF-138	6.0	6.7	6.7	5.3	5.0	5.0	5.0	4.7	5.3
'COMMANDER (PPG-TF-170)	6.0	7.0	5.7	5.3	5.3	5.3	5.3	4.7	5.3
PSG-P01	6.0	6.7	6.3	5.3	5.0	5.0	5.7	4.7	5.3
RAD-TF-83	6.3	7.0	6.0	6.3	5.0	5.0	5.3	4.3	5.3
RAD-TF-89	6.0	6.0	6.3	5.7	5.0	5.3	5.3	4.3	5.3
RHAMBLER 2 SRP (LSD)	6.0	6.0	6.3	5.7	5.0	5.0	5.0	4.7	5.3
TECHNIQUE (RZ2)	6.0	7.0	6.3	6.3	5.0	4.7	5.0	4.7	5.3
TITANIUM 2LS (PPG-TF-152)	6.0	6.7	6.3	5.7	5.0	5.0	5.0	4.7	5.3
BULLSEYE	5.7	7.0	6.0	5.3	4.7	5.0	5.7	4.7	5.2
EMBRACE (PST-5EV2)	5.7	6.7	5.3	6.0	5.0	5.0	5.3	4.7	5.2
FAITH	6.0	6.7	4.7	5.3	5.3	5.3	6.0	4.7	5.2
GRANDE 3	5.3	6.3	5.0	5.0	4.7	5.7	5.7	5.0	5.2
GTO (BURL TF-2)	6.0	6.7	5.7	5.3	4.7	5.0	5.3	5.0	5.2
IS-TF 308 SEL	6.0	6.3	6.0	6.0	5.0	5.0	5.0	4.3	5.2
IS-TF-287	6.0	7.7	6.3	5.7	4.7	4.7	5.3	4.3	5.2
JS 916	6.0	6.7	6.7	5.0	5.3	5.0	5.0	4.3	5.2
MICHELANGELO (LTP-F5DPDR)	6.0	6.0	5.7	5.0	5.3	5.7	5.0	4.7	5.2
PPG-TF-135	5.7	6.7	5.3	5.0	5.3	6.0	5.7	4.0	5.2
PST-5DZP	6.0	6.3	6.3	5.3	5.3	5.0	5.0	4.0	5.2
OLYMPUS (RAD-TF-88)	6.0	5.7	6.0	6.0	4.7	4.7	5.3	4.3	5.2
ROWDY (SRX-TPC)	6.0	5.7	6.3	5.3	5.0	5.0	5.0	4.3	5.2
W41	6.0	6.0	5.0	5.3	5.3	5.3	6.0	4.3	5.2
XTENDER (PPG-TF-139)	6.0	6.3	6.0	5.3	5.0	5.0	5.7	4.0	5.2
COMP. RES. SST	5.7	5.7	5.0	5.0	5.3	5.7	5.7	4.0	5.1
MEMPHIS (GO-DFR)	6.3	5.7	4.7	4.7	5.7	5.7	5.7	4.3	5.1
RHIZING MOON (IS-TF 305 SEL)	6.0	6.7	6.0	5.7	4.7	4.7	5.0	4.7	5.1
WICHITA (PPG-TF-151)	6.0	6.3	6.7	5.0	5.0	4.7	5.0	4.0	5.1
PPG-TF-169	5.3	7.3	4.7	5.3	4.7	5.3	5.7	5.0	5.1
PST-5BRK	6.0	6.0	5.3	6.0	5.0	4.7	5.3	4.3	5.1
TEMPLE (DZ1)	6.0	7.0	5.3	5.3	5.0	5.0	5.3	4.3	5.1
ATF 1704	5.7	6.7	5.0	5.0	4.7	5.0	5.7	4.7	5.0
CAESAR (TY 10)	6.0	6.0	5.3	4.7	5.0	5.0	5.3	4.7	5.0
SWAGGER (PST-5R05)	6.0	6.3	5.7	5.7	5.0	4.7	5.3	3.7	5.0
ATF 1612	5.7	6.7	5.7	5.7	4.3	4.3	5.3	4.3	4.9
BAR FA 121091	6.0	5.7	5.3	5.7	5.0	5.0	4.7	3.7	4.9
BAR FA 121095	6.0	6.3	6.3	5.0	5.0	4.7	4.3	4.3	4.9
FALCON V	6.0	6.7	5.0	5.0	4.7	5.0	5.0	4.7	4.9
HEMI	5.7	7.0	5.7	5.3	5.0	5.0	4.7	3.7	4.9
JS 809	6.0	6.0	5.7	5.0	4.7	4.7	5.0	4.3	4.9
JS 825	6.3	5.3	5.3	6.0	4.7	4.7	5.0	3.7	4.9
MAESTRO (T31)	6.0	5.7	4.7	4.7	5.0	5.0	5.3	4.7	4.9
ROCKWELL (LTP-TWUU)	6.0	7.0	5.0	5.7	4.7	5.7	4.7	4.0	4.9
SCREAMER LS (PPG-TF-148)	6.0	7.0	4.7	4.7	5.0	5.0	5.7	4.7	4.9
BLACK TAIL (PPG-TF-150)	5.7	7.0	4.7	5.3	4.7	5.0	5.0	4.3	4.8

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	MAY	JUN	QUALITY RATINGS				MEAN
					JUL	AUG	SEP	OCT	
FALCON IV	5.7	7.3	5.0	5.3	4.7	5.0	4.7	4.0	4.8
INSPIRATION (PST-R5NW)	6.7	6.3	5.3	4.7	5.0	4.7	4.7	4.7	4.8
IS-TF 311	6.0	6.3	5.3	4.3	5.0	5.0	5.3	4.0	4.8
JS 818	6.3	6.7	6.3	5.3	4.3	4.3	4.7	4.0	4.8
JS 819	6.3	6.3	5.7	5.0	5.0	4.7	4.7	3.7	4.8
PPG-TF-115	6.0	6.0	6.0	4.3	5.0	5.0	5.0	3.7	4.8
PST-5BPO	6.0	6.3	4.3	5.0	5.0	5.3	5.0	4.0	4.8
TERRANO	6.0	6.3	5.3	4.3	5.0	4.7	5.3	4.3	4.8
WARHAWK	6.0	6.3	5.3	4.7	5.0	5.0	4.7	4.0	4.8
ATF 1736	6.0	5.7	5.0	4.7	5.0	5.0	5.0	3.7	4.7
ATF 1754	5.7	6.7	4.7	4.7	5.0	5.0	5.0	4.0	4.7
MARAUDER	6.0	6.0	4.7	4.3	5.0	4.7	5.3	3.7	4.6
MERIDIAN (PST-5GRB)	5.0	6.3	6.0	5.3	4.7	4.3	4.3	2.7	4.6
PSG-8BP2	6.0	5.7	4.7	4.7	5.0	5.0	4.7	3.7	4.6
PSG-TT4	5.7	6.3	5.3	4.3	5.0	4.7	4.3	3.7	4.6
PST-5MVD	6.0	6.7	4.7	4.3	4.7	5.0	5.0	3.7	4.6
RAIN DANCE (PST-5SDT)	5.7	5.7	4.3	5.0	4.7	5.0	4.7	4.0	4.6
ANNIHILATOR	6.0	5.7	4.7	4.3	4.7	5.3	4.3	3.0	4.4
FRONTLINE (EXP TF-09)	6.0	6.0	4.3	4.3	4.3	5.0	4.3	4.0	4.4
PSG-GSD	5.3	6.7	5.0	4.3	4.7	5.0	4.3	3.3	4.4
SALTILLO (PST-5SALT)	5.3	5.7	4.3	4.3	4.3	5.0	4.7	4.0	4.4
BAR FA 121089	5.7	5.7	4.3	5.3	4.0	4.0	4.7	3.3	4.3
PST-5EX2	6.0	6.7	3.7	3.7	4.3	4.3	5.0	5.0	4.3
AQUADUCT	5.3	5.3	4.3	4.0	3.7	4.0	4.7	3.7	4.1
BAR FA 120878	4.3	6.0	2.7	3.3	3.3	4.3	3.7	3.7	3.5
KY-31	3.7	6.0	1.0	2.3	2.0	2.0	1.7	2.7	1.9
LSD VALUE	0.7	1.7	1.7	1.8	0.9	1.1	1.1	1.1	0.7
C.V. (%)	6.7	11.2	17.4	17.0	10.1	11.2	11.5	14.0	8.3

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

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



Taken from 2012 Tall Fescue test - 2015 data report with permission from NTEP  
 TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 FOR SPREAD STUDY AT LOGAN, UT 1/  
 2015 DATA

HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOMES COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
GTO (BURL TF-2)	1.3	15.0	15.0	13.0	15.3
COMP. RES. SST	0.3	15.7	16.0	13.7	14.3
ARES (PPG-TF-142)	1.0	14.7	16.0	14.0	14.0
BAR FA 121089	1.0	13.7	14.3	13.7	14.0
CATALYST	1.0	14.3	14.0	14.0	14.0
FIREBIRD 2	1.7	13.7	14.7	12.7	14.0
IS-TF 269 SEL	0.7	14.3	14.7	14.0	14.0
MAESTRO (T31)	0.3	14.3	14.0	13.0	14.0
204 RES. BLK4	0.7	13.3	14.7	12.3	13.7
4TH MILLENNIUM SRP (U43)	0.0	14.0	13.3	13.3	13.7
AQUADUCT	3.0	14.3	13.7	13.0	13.7
B23	0.3	15.0	14.0	13.0	13.7
BIZEM	2.3	15.0	14.3	14.0	13.7
DYNAMITE LS (PPG-TF-145)	2.0	13.7	14.3	13.0	13.7
FOXHOUND (IS-TF 284 M2)	1.0	15.0	14.7	12.0	13.7
IS-TF 272	0.3	14.0	14.3	12.7	13.7
RHIZING MOON (IS-TF 305 SEL)	1.7	13.7	13.3	12.7	13.7
JS 819	0.7	14.3	14.0	13.3	13.7
JS 916	2.3	14.3	14.7	13.3	13.7
K12-13	1.3	14.0	14.0	14.3	13.7
MERIDIAN (PST-5GRB)	1.7	14.3	13.7	12.3	13.7
MET 1	2.0	13.3	14.7	13.7	13.7
PST-5BRK	1.7	14.7	13.7	13.0	13.7
REGENERATE	1.3	13.3	13.7	12.7	13.7
SCREAMER LS (PPG-TF-148)	1.0	13.7	14.0	13.3	13.7
WARHAWK	1.7	13.0	14.3	12.7	13.7
AVENGER II (PPG-TF-156)	1.3	13.7	15.0	13.0	13.5
ANNIHILATOR	1.3	14.7	14.3	14.0	13.3
BAR FA 121091	1.7	14.0	14.3	13.7	13.3
BAR FA 121095	0.3	14.3	14.3	13.0	13.3
BULLSEYE	1.0	14.0	14.0	12.7	13.3
FAYETTE (IS-TF 291)	1.0	14.7	14.7	13.3	13.3
MEMPHIS (GO-DFR)	1.0	14.0	13.7	12.3	13.3
NIGHTCRAWLER (IS-TF 285)	2.0	14.7	14.0	12.7	13.3
UNITUS (IS-TF 289)	1.7	15.0	14.3	13.3	13.3
HOUND08 (IS-TF 307 SEL)	1.3	14.3	14.3	13.3	13.3
KY-31	3.7	15.0	15.0	13.0	13.3
BLOODHOUND (MET 6 SEL)	1.0	14.3	14.0	14.3	13.3
PPG-TF-135	2.3	13.3	14.0	14.3	13.3
PSG-8BP2	2.3	14.3	14.0	13.7	13.3
PSG-GSD	1.3	13.3	14.0	13.7	13.3
PSG-PO1	0.7	14.0	14.0	13.7	13.3
PST-5DZP	2.3	13.3	14.3	12.0	13.3
OLYMPUS (RAD-TF-88)	1.3	14.3	14.7	14.7	13.3

TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) FOR SPREAD STUDY AT LOGAN, UT 1/  
2015 DATA

NAME	HOLE DIAMETER MEASURED IN SQ. CM 2/				
	RHIZOMES COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
REFLECTION (U45)	0.3	14.0	14.3	13.0	13.3
RHAMBLER 2 SRP (LSD)	1.7	14.3	14.3	13.7	13.3
SWAGGER (PST-5R05)	1.0	15.0	13.7	13.0	13.3
TEMPLE (DZ1)	1.3	15.0	14.3	13.0	13.3
TEMPTATION (OR-21)	1.7	14.0	13.3	12.3	13.3
THUNDERSTRUCK (TD1)	5.0	14.7	14.3	14.0	13.3
W41	2.0	14.0	14.7	14.0	13.3
ATF 1612	1.7	14.0	13.7	12.0	13.0
ATF 1754	2.7	14.0	13.7	13.7	13.0
CAESAR (TY 10)	1.7	14.0	14.7	12.3	13.0
AMITY (CCR2)	0.3	13.0	13.7	12.3	13.0
FESNOVA	2.7	14.7	14.3	13.7	13.0
FIRECRACKER SLS (PPG-TF-105)	1.7	13.7	14.0	13.0	13.0
FRONTLINE (EXP TF-09)	0.7	13.3	14.3	12.0	13.0
HOVER (BURL TF-69)	1.7	14.7	14.3	12.7	13.0
IS-TF 276 M2	1.7	14.7	13.3	13.3	13.0
IS-TF 308 SEL	1.7	14.0	14.7	14.0	13.0
CROSSFIRE 4 (IS-TF 310 SEL)	1.0	13.0	14.0	13.0	13.0
IS-TF-287	0.3	13.7	13.3	14.0	13.0
KINGDOM (DB1)	2.7	13.7	14.3	12.3	13.0
MARAUDER	1.0	12.7	13.7	13.7	13.0
WICHITA (PPG-TF-151)	5.0	13.3	14.3	12.7	13.0
PPG-TF-169	2.3	13.0	14.3	13.3	13.0
PST-5EX2	3.0	14.3	13.7	11.7	13.0
PST-5MVD	0.7	13.3	14.0	12.3	13.0
RAD-TF-89	1.3	14.0	14.7	13.0	13.0
RAPTOR III (ZW 44)	1.3	14.0	14.0	13.0	13.0
ROCKWELL (LTP-TWUU)	1.7	12.0	14.7	12.3	13.0
TERRANO	5.0	13.3	14.0	14.0	13.0
TRAVERSE 2 SRP (W45)	0.7	14.0	14.7	12.3	13.0
ATF 1704	0.3	14.0	15.7	13.7	12.7
BAR FA 120878	1.0	13.3	13.3	12.0	12.7
BLACK TAIL (PPG-TF-150)	1.7	15.0	14.7	12.7	12.7
DIABLO (IS-TF 330)	1.7	14.7	13.7	12.3	12.7
F711	1.7	14.0	13.7	14.3	12.7
FALCON IV	3.3	14.0	15.0	13.3	12.7
FALCON V	0.3	14.3	14.3	13.0	12.7
GRANDE 3	1.3	14.3	13.3	12.3	12.7
HEMI	1.3	13.7	14.0	13.3	12.7
INSPIRATION (PST-R5NW)	1.3	14.0	14.7	12.3	12.7
JS 825	4.0	13.3	15.3	13.3	12.7
K12-MCD	1.0	14.0	13.3	13.0	12.7
MET-3	0.3	14.0	13.0	12.3	12.7
PPG-TF-138	1.3	14.3	14.3	12.7	12.7

TABLE 19. RHIZOME COUNTS AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) FOR SPREAD STUDY AT LOGAN, UT 1/  
2015 DATA

NAME	HOLE DIAMETER MEASURED IN SQ. CM 2/				
	RHIZOMES COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
PPG-TF-172	1.0	14.3	14.0	13.0	12.7
TITANIUM 2LS (PPG-TF-152)	1.7	14.0	14.3	12.0	12.7
TURFWAY (IS-TF 282 M2)	2.0	14.0	14.0	13.0	12.7
ATF 1736	1.0	12.7	14.3	12.0	12.3
EMBRACE (PST-5EV2)	2.7	14.0	14.0	13.7	12.3
PARAMOUNT (PPG-TF-137)	1.0	14.0	13.0	12.7	12.3
'COMMANDER (PPG-TF-170)	1.0	13.7	13.0	12.3	12.3
RAD-TF-83	1.0	14.3	15.3	13.0	12.3
RAD-TF-92	0.7	13.7	14.0	13.5	12.3
RAIN DANCE (PST-5SDT)	1.0	13.0	13.7	13.7	12.3
ROWDY (SRX-TPC)	1.7	14.0	13.7	13.7	12.3
FAITH	2.3	14.0	13.7	13.0	12.0
HOT ROD (BURL TF-136)	1.3	14.0	15.0	12.7	12.0
IS-TF 311	1.3	13.3	14.0	13.7	12.0
JS 818	3.0	15.0	14.3	15.0	12.0
MICHELANGELO (LTP-F5DPDR)	1.7	14.0	14.0	11.7	12.0
REBOUNDER (PICK-W43)	1.0	14.0	14.3	13.0	12.0
PSG-TT4	1.0	14.7	13.3	12.3	12.0
PST-5BPO	1.0	13.0	14.0	12.3	12.0
FIREWALL (PSG-WE1)	1.3	15.0	15.0	13.0	11.7
K12-05	3.7	14.0	13.7	13.3	11.7
XTENDER (PPG-TF-139)	2.3	13.0	13.3	12.3	11.7
LEONARDO (LTP-FSD)	2.3	13.0	13.3	11.3	11.3
PPG-TF-115	3.3	12.7	13.0	12.0	11.3
SALTILLO (PST-5SALT)	0.7	14.0	14.3	11.7	11.3
TECHNIQUE (RZ2)	1.0	13.3	14.0	13.3	11.3
THOR (PPG-TF-157)	1.0	14.3	13.0	12.0	11.0
JS 809	2.3	14.0	13.3	13.3	10.7
LSD VALUE	6.0	5.6	4.7	5.5	5.6
C.V. (%)	101.7	8.1	7.3	9.4	9.8

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

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

TABLE 20.

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	TN1	MEAN
TEMPTATION (OR-21)	8.3	8.0	5.7	7.3	6.3	7.7	6.7	6.7	9.0	6.0	8.7	8.0	8.0	7.4
FOXHOUND (IS-TF 284 M2)	8.0	7.7	6.0	7.3	6.0	7.7	7.0	7.0	8.3	6.0	8.7	8.0	8.0	7.4
THUNDERSTRUCK (TD1)	7.7	8.0	6.3	7.3	6.7	7.7	6.7	7.0	8.3	5.7	7.7	7.7	9.0	7.4
ARES (PPG-TF-142)	8.7	8.0	6.3	7.3	7.0	6.7	6.7	7.0	8.3	6.0	7.3	8.0	8.0	7.3
K12-05	7.7	8.0	6.0	7.3	7.3	6.7	6.3	7.0	8.3	6.0	7.7	8.0	8.3	7.3
KINGDOM (DB1)	7.7	8.0	6.0	7.7	6.7	7.7	6.3	7.0	8.3	6.0	7.7	7.7	8.0	7.3
DIABLO (IS-TF 330)	7.7	8.0	6.0	7.7	7.0	7.7	6.7	6.0	8.3	6.0	7.3	8.0	8.3	7.3
FAYETTE (IS-TF 291)	7.7	8.0	6.0	7.7	6.7	7.3	6.3	7.0	8.0	6.0	7.7	8.0	8.0	7.3
CAESAR (TY 10)	7.7	7.7	5.7	7.3	7.0	7.7	6.3	6.7	8.3	6.0	7.7	8.0	8.0	7.2
IS-TF 272	8.0	8.0	5.3	7.7	5.7	7.7	7.0	6.7	8.0	6.0	7.7	8.0	8.3	7.2
TURFWAY (IS-TF 282 M2)	7.3	8.0	6.0	7.0	7.0	7.7	6.0	6.0	8.0	6.0	8.7	8.0	8.0	7.2
UNITUS (IS-TF 289)	8.0	8.0	6.0	7.3	6.0	7.7	6.0	7.0	8.0	6.0	7.7	8.0	8.0	7.2
FRONTLINE (EXP TF-09)	7.0	8.0	6.0	7.0	7.0	7.7	6.3	6.3	8.7	5.7	7.7	8.0	8.0	7.2
DYNAMITE LS (PPG-TF-145)	7.3	7.7	6.0	7.7	6.7	7.0	7.0	6.3	8.0	6.0	7.3	8.0	8.3	7.2
HOUNDOG8 (IS-TF 307 SEL)	7.7	7.7	6.0	7.3	6.3	7.3	6.7	6.7	8.3	6.0	7.0	8.0	8.3	7.2
IS-TF 269 SEL	7.3	7.7	6.0	7.3	6.7	7.7	5.7	6.3	8.3	6.0	7.7	8.0	8.3	7.2
RAD-TF-89	8.0	7.7	6.0	8.0	7.0	7.0	6.0	6.3	8.0	6.0	6.7	8.0	8.3	7.2
THOR (PPG-TF-157)	7.7	7.7	6.0	7.7	6.7	7.3	6.0	6.7	8.0	6.0	7.0	8.0	8.3	7.2
FIRECRACKER SLS (PPG-TF-105)	7.3	8.0	5.7	7.7	7.0	8.3	6.0	6.0	8.3	6.0	6.0	7.7	8.7	7.1
NIGHTCRAWLER (IS-TF 285)	8.0	8.0	5.3	7.0	6.7	7.3	6.0	6.7	8.0	6.0	7.7	8.0	8.0	7.1
RHIZING MOON (IS-TF 305 SEL)	7.7	8.0	5.3	7.3	6.0	7.3	6.3	6.3	8.0	6.0	7.7	8.0	8.3	7.1
JS 818	7.7	8.0	5.0	7.0	6.7	6.7	6.7	6.0	8.3	6.0	8.3	8.0	8.0	7.1
K12-13	7.3	8.0	6.0	7.3	6.7	7.0	5.7	6.3	8.0	6.0	7.7	8.0	8.0	7.1
RAD-TF-83	7.7	8.0	5.7	7.0	6.3	7.7	6.0	6.7	8.0	6.0	7.0	8.0	7.7	7.1
MEMPHIS (GO-DFR)	7.7	8.0	6.3	7.0	6.7	7.3	5.7	6.0	8.0	5.7	7.0	8.0	8.3	7.1
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	8.0	5.7	7.0	6.7	7.3	6.0	6.3	8.0	5.7	6.3	8.0	8.0	7.0
JS 809	6.7	8.0	6.0	7.3	6.3	6.3	6.0	6.3	8.0	6.0	8.0	8.0	8.0	7.0
TRAVERSE 2 SRP (W45)	6.7	7.3	6.0	8.0	6.0	7.7	6.7	6.3	8.0	6.0	5.7	8.0	8.7	7.0
FAITH	7.3	7.3	6.0	7.0	7.0	7.7	6.3	6.0	8.0	5.3	7.0	7.7	8.0	7.0
IS-TF 276 M2	6.7	7.7	5.7	7.3	6.3	7.3	5.7	6.3	8.0	6.0	7.7	8.0	8.0	7.0
IS-TF 308 SEL	6.7	8.0	6.0	7.0	6.7	7.7	6.0	6.3	8.0	5.7	6.7	8.0	8.0	7.0
OLYMPUS (RAD-TF-88)	7.7	7.7	5.7	7.0	7.0	7.0	6.0	6.3	8.0	6.0	6.3	8.0	8.0	7.0
W41	7.3	7.7	6.0	7.3	6.3	7.0	6.0	6.3	8.0	5.7	6.3	8.0	8.7	7.0
BAR FA 121091	8.0	8.0	4.7	7.0	6.0	7.0	6.0	6.0	8.0	6.0	7.7	8.0	8.0	6.9
FESNOVA	6.7	8.0	5.3	7.7	7.3	6.3	5.7	6.3	8.0	6.0	6.3	8.0	8.7	6.9
AMITY (CCR2)	7.3	7.3	6.0	7.7	6.3	7.7	6.0	6.0	8.0	6.0	6.0	8.0	8.0	6.9
JS 916	7.3	8.0	6.0	7.3	6.0	7.0	6.7	6.0	8.0	6.0	5.7	8.0	8.3	6.9
REBOUNDER (PICK-W43)	7.3	7.7	5.7	7.7	6.7	7.7	6.0	6.0	8.0	6.0	5.7	8.0	8.0	6.9
TEMPLE (DZ1)	7.3	8.0	6.0	7.7	6.0	6.3	6.0	6.3	8.0	6.0	6.3	8.0	8.3	6.9
REFLECTION (U45)	7.7	7.3	5.7	7.7	6.3	7.7	6.0	6.0	8.0	6.0	5.0	8.0	8.7	6.9
TITANIUM 2LS (PPG-TF-152)	7.0	8.0	6.3	7.0	6.0	7.7	6.3	6.0	8.0	6.0	5.3	8.0	8.3	6.9

TABLE 20. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	TN1	MEAN
4TH MILLENNIUM SRP (U43)	7.3	7.7	6.0	7.7	6.0	7.3	6.3	6.0	7.7	5.7	5.3	8.0	8.7	6.9
BIZEM	7.0	7.7	6.0	8.0	6.3	7.0	6.0	6.0	8.0	5.7	6.0	8.0	8.0	6.9
HOT ROD (BURL TF-136)	6.3	8.0	6.0	7.7	6.3	7.3	6.0	6.0	8.0	5.7	6.0	8.0	8.3	6.9
PPG-TF-115	7.7	7.7	5.0	7.3	6.3	7.0	6.0	6.0	8.0	5.7	6.7	8.0	8.3	6.9
RAD-TF-92	7.3	7.7	5.7	7.0	6.3	7.0	6.0	6.7	8.3	6.0	5.7	8.0	8.0	6.9
XTENDER (PPG-TF-139)	6.3	7.3	6.0	7.7	6.7	7.3	5.7	6.3	8.0	5.7	6.0	8.0	8.7	6.9
WICHITA (PPG-TF-151)	7.0	7.3	6.0	7.3	6.3	7.7	6.3	6.0	8.0	6.0	5.3	8.0	8.3	6.9
BAR FA 121095	7.7	7.7	6.0	7.0	6.0	7.0	6.0	6.3	8.0	5.7	6.0	7.7	8.3	6.9
COMMANDER (PPG-TF-170)	7.3	7.7	6.0	7.0	6.7	7.3	5.7	6.0	8.0	6.0	5.7	8.0	8.0	6.9
PSG-8BP2	7.0	8.0	5.3	6.3	6.0	7.0	6.0	6.0	8.0	6.0	7.0	8.0	8.7	6.9
PST-5DZP	7.0	7.7	5.7	7.0	6.7	6.7	6.0	6.0	8.0	6.0	6.7	8.0	8.0	6.9
REGENERATE	7.0	8.0	6.0	8.0	5.7	7.7	5.7	6.0	7.7	6.0	5.3	7.7	8.7	6.9
FIREWALL (PSG-WE1)	7.0	8.0	6.0	6.7	6.3	7.0	6.3	6.0	8.0	5.7	5.7	8.0	8.3	6.8
HEMI	6.7	8.0	6.3	7.7	6.3	6.7	6.0	6.0	8.0	6.0	5.7	7.7	8.0	6.8
IS-TF 311	7.0	7.7	5.3	7.3	6.7	7.0	6.0	6.0	8.0	6.0	5.7	8.0	8.3	6.8
B23	7.7	7.7	5.3	7.7	6.0	7.0	5.7	6.3	8.0	6.0	5.3	8.0	8.0	6.8
JS 819	7.0	7.7	5.3	7.0	6.0	6.3	6.3	6.0	8.0	5.7	7.3	8.0	8.0	6.8
PPG-TF-172	6.7	7.7	6.0	7.0	6.3	7.0	6.3	6.0	8.0	5.3	6.0	8.0	8.3	6.8
ROCKWELL (LTP-TWUU)	6.3	7.7	5.3	7.7	6.7	7.3	6.3	6.0	7.7	6.0	5.7	8.0	8.0	6.8
BULLSEYE	7.3	7.3	6.0	7.7	6.0	7.0	5.3	6.0	8.0	5.7	6.0	8.0	8.3	6.8
JS 825	6.7	7.7	6.0	6.7	5.7	6.7	6.0	6.0	8.3	6.0	7.0	7.7	8.0	6.8
HOVER (BURL TF-69)	7.3	7.3	5.7	6.7	6.0	7.3	5.7	6.0	8.0	6.0	6.3	8.0	8.0	6.8
FIREBIRD 2	7.0	8.0	5.7	6.7	6.0	7.0	6.0	6.0	8.3	5.7	5.7	8.0	8.0	6.8
F711	7.3	7.7	5.3	7.3	6.3	7.7	6.0	6.0	8.0	5.7	4.7	8.0	8.0	6.8
PSG-P01	7.0	7.7	5.3	7.3	6.3	7.0	6.3	6.0	8.0	5.7	5.3	8.0	8.0	6.8
RAPTOR III (ZW 44)	6.0	8.0	6.0	7.7	6.0	7.3	6.0	6.0	8.0	5.7	5.0	8.0	8.3	6.8
TERRANO	7.3	7.3	5.7	7.0	6.0	7.0	6.0	6.0	8.0	5.7	6.0	8.0	8.0	6.8
PPG-TF-135	6.7	7.7	6.0	7.7	6.3	6.7	5.7	6.0	8.0	5.7	5.3	8.0	8.3	6.8
BAR FA 121089	6.7	8.0	5.3	6.7	6.3	7.3	6.0	6.0	8.0	6.0	6.0	7.3	8.0	6.7
GTO (BURL TF-2)	5.7	8.0	5.7	7.3	6.7	6.7	6.3	6.0	7.7	5.7	6.0	8.0	8.0	6.7
INSPIRATION (PST-R5NW)	6.3	8.0	5.7	7.3	6.0	7.7	6.0	6.3	8.0	5.7	4.7	7.7	8.3	6.7
MET-3	6.7	7.7	6.0	7.0	6.0	7.0	6.0	6.0	8.0	6.0	5.3	8.0	8.0	6.7
WARHAWK	7.0	7.7	5.7	6.3	6.0	6.7	6.3	6.3	8.3	5.0	6.3	8.0	8.0	6.7
PPG-TF-138	7.0	8.0	5.7	7.3	6.0	6.7	5.7	6.0	8.0	6.0	5.3	8.0	8.0	6.7
MAESTRO (T31)	6.7	7.7	5.0	7.3	6.7	7.0	6.0	6.0	8.0	6.0	5.3	7.7	8.0	6.7
GRANDE 3	7.3	7.3	5.3	7.0	5.3	7.0	6.0	6.0	7.7	5.3	6.3	8.0	8.7	6.7
LEONARDO (LTP-FSD)	6.7	7.7	6.0	7.3	6.7	7.0	6.3	6.0	8.0	5.7	4.3	7.3	8.3	6.7
ROWDY (SRX-TPC)	6.7	8.0	6.0	7.0	5.3	7.3	5.3	6.3	8.0	6.0	5.3	8.0	8.0	6.7
BLACK TAIL (PPG-TF-150)	7.0	7.3	5.7	7.3	6.0	6.7	6.0	6.0	8.0	5.7	5.3	8.0	8.3	6.7
PARAMOUNT (PPG-TF-137)	7.0	7.7	5.7	7.3	6.3	7.0	5.3	6.3	7.7	6.0	4.7	8.0	8.0	6.7
RHAMBLER 2 SRP (LSD)	6.3	7.3	6.3	7.3	5.7	8.0	6.0	6.3	8.0	5.0	4.7	8.0	8.0	6.7
AVENGER II (PPG-TF-156)	7.0	7.3	6.0	7.0	6.3	7.0	5.7	6.0	7.7	5.7	5.7	7.7	8.0	6.7

TABLE 20. (CONT'D)

GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	TN1	MEAN
FALCON IV	6.3	8.0	5.7	7.0	5.7	7.3	6.3	6.0	8.0	5.7	5.3	7.7	8.0	6.7
MET 1	6.0	7.7	6.0	7.3	5.7	7.3	6.0	6.0	7.7	5.7	5.3	8.0	8.0	6.7
MICHELANGELO (LTP-F5DPDR)	7.3	7.7	5.7	7.3	6.3	7.0	5.7	6.0	7.7	5.7	4.3	8.0	8.0	6.7
ATF 1612	6.7	7.3	5.3	7.7	6.3	7.0	5.3	6.0	7.3	6.0	5.7	7.7	8.0	6.6
FALCON V	5.7	7.7	5.7	7.3	6.3	7.0	6.0	6.0	8.0	5.7	4.3	8.0	8.7	6.6
ANNIHILATOR	6.7	8.0	5.7	6.0	6.3	6.7	5.3	6.0	8.3	5.3	5.7	8.0	8.0	6.6
IS-TF-287	7.0	8.0	5.7	6.7	6.0	6.3	5.7	6.0	7.7	5.7	5.7	7.7	8.0	6.6
COMP. RES. SST	6.0	7.3	5.7	6.7	6.7	6.0	6.0	6.0	8.7	5.7	5.3	8.0	8.0	6.6
SCREAMER LS (PPG-TF-148)	6.3	7.7	6.0	7.3	6.3	7.7	5.3	6.0	7.3	5.3	4.7	8.0	8.0	6.6
K12-MCD	7.0	8.0	6.0	7.0	5.7	7.0	5.7	6.0	8.0	5.7	4.0	7.7	8.0	6.6
ATF 1736	6.3	7.3	5.7	7.0	7.0	7.0	6.0	6.0	7.7	5.7	5.0	7.3	7.7	6.6
PSG-TT4	7.0	8.0	5.7	6.3	6.0	6.7	5.7	5.7	7.7	6.0	5.0	8.0	8.0	6.6
PSG-GSD	6.7	8.0	5.7	7.0	6.3	7.3	6.0	6.0	7.7	5.3	4.0	7.3	8.0	6.6
EMBRACE (PST-5EV2)	7.0	7.7	5.7	7.0	6.0	6.3	6.3	6.0	8.0	5.3	3.7	7.7	8.3	6.5
MARAUDER	6.0	7.7	6.0	6.0	6.7	7.0	6.0	6.0	8.0	5.3	5.0	7.3	8.0	6.5
TECHNIQUE (RZ2)	6.0	8.0	6.0	7.3	5.7	7.0	5.7	6.0	7.3	6.0	4.0	8.0	8.0	6.5
SALTILLO (PST-5SALT)	6.3	7.0	5.7	7.3	6.3	7.0	6.0	5.7	8.0	6.0	4.3	7.3	8.0	6.5
SWAGGER (PST-5R05)	7.0	7.7	5.7	7.0	6.0	6.3	5.7	6.0	8.0	5.3	4.0	8.0	8.0	6.5
MERIDIAN (PST-5GRB)	5.7	7.3	6.0	7.3	5.7	6.7	5.3	6.0	8.0	5.7	5.0	8.0	8.0	6.5
PST-5BRK	6.7	7.7	6.0	7.3	6.0	6.7	5.0	5.7	7.7	6.0	4.0	7.7	8.3	6.5
PST-5MVD	6.0	8.0	5.3	7.0	6.3	6.7	6.0	6.0	7.3	6.0	4.3	7.7	8.0	6.5
PPG-TF-169	6.0	7.7	5.7	7.3	6.0	7.0	5.7	6.0	7.0	5.7	4.3	7.3	8.0	6.4
RAIN DANCE (PST-5SDT)	6.0	7.3	6.0	7.0	5.7	6.7	6.0	6.0	8.0	5.3	3.7	7.0	8.0	6.4
CATALYST	6.0	8.0	4.3	7.3	5.3	7.3	6.0	6.3	8.0	6.0	2.7	7.3	8.0	6.4
PST-5BPO	5.7	7.7	6.3	7.0	5.7	6.7	5.3	6.0	7.7	5.3	3.0	8.0	8.0	6.3
AQUADUCT	6.0	8.0	5.0	6.3	6.0	6.3	5.7	5.3	8.0	5.0	4.7	7.7	8.0	6.3
ATF 1704	6.0	7.0	5.7	6.7	5.7	6.7	5.7	6.0	7.3	5.3	4.0	7.7	8.0	6.3
ATF 1754	5.3	7.7	5.3	7.3	5.7	6.7	6.0	6.0	7.3	5.3	4.0	7.0	8.0	6.3
BLOODHOUND (MET 6 SEL)	6.3	7.3	5.0	7.3	5.7	7.0	5.3	6.0	7.0	5.3	3.7	7.7	8.0	6.3
204 RES. BLK4	5.3	7.0	5.7	6.0	6.3	6.3	4.7	6.0	8.0	5.3	4.3	7.3	8.0	6.2
PST-5EX2	5.0	7.7	5.7	6.7	5.7	6.0	5.3	5.7	7.0	5.3	2.0	7.3	8.0	5.9
BAR FA 120878	4.7	8.0	5.0	6.0	5.3	5.7	5.0	5.0	7.3	5.0	3.0	6.7	7.0	5.7
KY-31	3.0	5.7	4.3	4.0	4.0	4.0	3.0	4.0	4.0	4.0	1.0	5.3	4.0	3.9
LSD VALUE	1.2	0.7	0.9	0.8	1.0	0.9	0.9	0.5	0.5	0.6	1.5	0.5	0.6	0.2
C.V. (%)	10.5	5.6	10.1	7.3	10.4	7.9	9.4	5.3	4.3	6.9	16.1	3.9	4.5	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 21.

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MS1	NC1	NE1	NJ1	NJ2	PA1	MEAN
PST-5EX2	4.3	5.3	5.0	6.3	5.0	6.7	8.3	4.7	6.7	7.3	4.0	5.8
REBOUNDER (PICK-W43)	5.7	6.0	6.0	5.7	4.3	6.3	7.7	4.7	6.3	7.3	3.7	5.8
PPG-TF-169	5.3	5.3	5.3	6.3	3.7	7.0	8.3	4.0	6.3	7.3	4.3	5.8
SCREAMER LS (PPG-TF-148)	5.0	6.0	6.0	6.3	4.0	7.3	7.7	4.3	6.3	6.3	4.0	5.8
GRANDE 3	4.7	4.7	5.3	6.3	4.0	6.7	8.0	4.7	7.0	7.3	4.3	5.7
ROCKWELL (LTP-TWUU)	5.3	6.3	6.0	5.3	4.0	6.0	8.0	4.3	6.7	6.3	4.7	5.7
FALCON V	4.7	6.3	5.7	6.3	5.0	6.3	7.7	4.3	7.0	6.3	3.0	5.7
CATALYST	5.7	5.7	5.7	6.0	5.0	6.3	8.3	4.3	6.0	6.0	3.3	5.7
4TH MILLENNIUM SRP (U43)	5.3	6.0	5.7	5.0	4.3	6.3	8.3	4.7	6.0	6.3	4.0	5.6
KY-31	5.7	6.0	3.0	5.7	6.0	5.0	7.3	3.0	8.3	7.0	4.7	5.6
FAITH	5.0	5.7	5.7	6.0	4.7	6.7	8.0	4.7	6.0	5.7	3.3	5.6
MET-3	5.0	6.7	5.7	5.3	3.3	6.3	8.3	4.7	6.0	6.3	3.7	5.6
REGENERATE	5.0	6.3	6.0	5.3	3.7	6.3	7.7	4.3	6.7	6.0	4.0	5.6
AMITY (CCR2)	5.3	5.3	5.7	5.7	4.0	6.3	7.3	4.7	6.3	6.0	4.3	5.5
GTO (BURL TF-2)	5.7	4.7	5.3	6.3	4.0	6.7	8.3	4.3	6.0	6.3	3.0	5.5
MET 1	5.7	5.0	5.7	5.7	4.0	7.0	7.3	4.3	6.7	6.3	2.5	5.5
MAESTRO (T31)	5.3	6.0	5.3	6.0	4.0	6.7	7.7	4.7	5.0	5.3	4.0	5.5
F711	4.7	5.3	5.7	5.3	4.3	6.7	8.3	4.0	5.7	6.3	3.0	5.4
AVENGER II (PPG-TF-156)	4.7	5.0	6.0	5.7	3.0	7.0	8.3	4.3	6.0	5.7	3.3	5.4
COMMANDER (PPG-TF-170)	5.0	5.7	6.0	5.7	3.7	6.3	7.0	4.7	6.0	6.0	3.0	5.4
BLOODHOUND (MET 6 SEL)	4.3	5.0	5.7	5.3	4.0	6.7	7.7	5.0	6.0	5.7	3.3	5.3
PSG-PO1	4.7	5.3	6.0	5.3	3.7	6.3	8.0	4.7	5.3	6.0	3.3	5.3
BULLSEYE	5.3	6.0	5.7	5.0	4.7	5.7	7.7	4.7	4.7	5.7	3.7	5.3
FIREWALL (PSG-WE1)	5.3	5.3	5.3	5.3	4.3	6.7	8.0	4.0	5.0	5.7	3.7	5.3
BIZEM	4.0	6.3	6.0	5.7	3.3	6.3	8.0	4.3	6.0	5.3	3.0	5.3
EMBRACE (PST-5EV2)	4.7	6.0	5.0	6.0	4.0	6.7	7.3	4.0	5.7	5.7	3.3	5.3
ATF 1612	5.3	4.7	5.0	5.7	4.0	6.0	7.0	4.3	5.7	6.0	4.3	5.3
TECHNIQUE (RZ2)	5.0	6.7	6.0	5.3	3.7	6.3	8.0	4.0	5.7	5.3	2.0	5.3
W41	5.0	5.7	6.0	6.0	4.0	6.3	7.7	4.3	4.7	5.0	3.3	5.3
B23	5.0	5.7	5.3	6.0	3.7	6.0	7.0	5.0	5.0	5.3	3.7	5.2
HOT ROD (BURL TF-136)	5.3	5.3	5.3	5.0	4.0	6.0	8.3	4.3	5.3	6.0	2.7	5.2
PST-5MVD	4.7	5.7	6.0	6.0	3.3	5.7	7.3	4.0	6.0	5.0	4.0	5.2
ATF 1736	5.7	5.3	5.3	5.3	4.0	6.7	6.7	4.0	5.3	6.3	3.0	5.2
CAESAR (TY 10)	6.3	5.7	6.0	5.3	3.3	6.3	7.0	4.3	4.7	4.7	3.5	5.2
FAYETTE (IS-TF 291)	5.3	5.0	6.0	5.3	3.7	6.3	7.0	4.0	5.7	5.3	3.3	5.2
IS-TF 311	4.7	6.0	5.7	6.0	3.7	6.0	7.7	4.3	4.7	5.3	3.0	5.2
RAIN DANCE (PST-5SDT)	4.3	5.3	5.0	5.3	4.3	6.0	7.7	4.3	5.7	5.7	3.3	5.2
MICHELANGELO (LTP-F5DPDR)	5.3	6.0	6.0	5.0	4.0	6.7	7.7	4.0	4.7	4.7	3.0	5.2
ATF 1754	3.7	5.3	5.7	5.3	3.7	6.3	7.7	4.7	6.0	6.0	2.3	5.2
BLACK TAIL (PPG-TF-150)	4.3	5.3	5.3	5.3	3.7	6.3	7.0	4.7	5.3	5.3	4.0	5.2
HOVER (BURL TF-69)	3.7	6.3	6.0	4.7	4.0	6.3	8.0	4.7	5.0	5.0	3.0	5.2

TABLE 21. (CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MS1	NC1	NE1	NJ1	NJ2	PA1	MEAN
ATF 1704	5.0	5.0	5.0	4.3	3.7	6.0	7.7	4.0	6.7	5.3	3.7	5.1
BAR FA 120878	5.0	6.7	5.0	5.7	4.7	5.0	6.7	4.0	5.7	5.0	3.0	5.1
PST-5BPO	5.0	6.3	5.7	5.3	3.3	5.7	7.7	4.3	5.0	5.0	3.0	5.1
TRAVERSE 2 SRP (W45)	4.7	5.3	6.0	5.3	3.7	6.7	7.7	4.3	4.7	4.7	3.0	5.1
FALCON IV	5.0	5.7	5.7	5.7	3.7	5.7	7.3	4.3	5.3	4.3	3.0	5.1
PPG-TF-138	5.3	5.7	5.3	6.0	3.7	6.0	7.3	4.3	4.7	5.0	2.3	5.1
PSG-GSD	5.0	5.7	5.7	5.3	3.7	6.0	7.7	4.3	4.3	5.0	3.0	5.1
IS-TF 308 SEL	4.3	5.7	5.7	5.0	4.0	6.0	7.7	4.7	4.7	4.7	3.3	5.1
PPG-TF-135	4.3	5.0	6.0	5.0	3.3	6.3	7.7	4.7	5.7	4.7	3.0	5.1
FESNOVA	4.7	6.0	5.7	4.7	4.0	6.3	7.3	4.0	5.0	4.3	3.3	5.0
FIREBIRD 2	4.7	6.0	5.3	5.3	3.3	6.3	7.0	4.3	5.0	5.3	2.7	5.0
LEONARDO (LTP-FSD)	4.0	6.0	5.3	5.3	3.7	6.7	7.3	4.0	5.3	5.0	2.7	5.0
MERIDIAN (PST-5GRB)	5.3	5.7	5.3	4.7	3.7	6.0	7.7	3.7	6.0	5.7	1.7	5.0
PARAMOUNT (PPG-TF-137)	5.7	5.0	5.3	4.7	3.0	6.7	7.7	4.0	5.7	5.7	2.0	5.0
WICHITA (PPG-TF-151)	4.7	6.0	5.7	5.3	3.3	7.0	7.3	4.3	4.0	4.7	3.0	5.0
K12-MCD	5.0	6.0	5.3	5.7	3.7	6.0	7.0	4.0	4.7	5.3	2.3	5.0
JS 916	4.7	6.7	5.7	4.3	3.7	6.3	7.3	4.0	4.0	5.0	3.3	5.0
REFLECTION (U45)	4.7	5.7	5.7	5.0	3.7	6.3	7.0	4.7	4.7	4.7	3.0	5.0
TITANIUM 2LS (PPG-TF-152)	5.3	6.7	5.7	5.3	3.3	6.7	7.3	4.0	3.3	4.7	2.5	5.0
RAPTOR III (ZW 44)	3.7	5.7	5.7	5.7	4.0	6.0	7.3	4.3	4.7	5.3	2.3	5.0
PST-5BRK	5.0	5.7	5.7	5.0	3.7	6.0	7.7	4.3	4.3	4.7	2.3	4.9
TEMPLE (DZ1)	3.7	6.0	5.7	5.7	3.7	5.7	7.3	4.3	5.3	4.7	2.3	4.9
TURFWAY (IS-TF 282 M2)	5.0	6.0	5.3	5.0	3.7	6.0	7.3	4.3	4.7	4.7	2.3	4.9
HOUND08 (IS-TF 307 SEL)	5.0	5.0	6.0	5.3	3.7	6.0	7.7	4.7	4.0	4.0	3.0	4.9
SWAGGER (PST-5R05)	5.0	5.7	6.0	4.0	4.3	6.0	7.3	4.0	4.7	4.0	3.0	4.9
204 RES. BLK4	4.0	5.7	4.7	6.0	4.3	5.3	7.7	4.0	5.3	5.0	1.7	4.9
FIRECRACKER SLS (PPG-TF-105)	4.7	6.3	5.7	4.7	3.0	6.0	7.7	4.7	3.0	5.0	3.0	4.9
PPG-TF-172	4.3	6.0	5.3	4.7	3.3	6.0	8.0	4.3	4.7	5.0	2.0	4.9
FRONTLINE (EXP TF-09)	5.7	5.7	5.3	5.0	4.7	5.7	7.3	3.7	3.7	4.3	2.5	4.9
INSPIRATION (PST-R5NW)	4.7	5.7	5.3	5.7	5.0	5.7	7.0	4.3	2.7	4.0	3.3	4.8
IS-TF-287	5.0	5.3	4.7	5.0	4.7	5.7	7.7	4.3	4.0	4.0	2.7	4.8
XTENDER (PPG-TF-139)	3.7	6.0	5.7	5.3	3.3	6.3	7.3	4.7	3.3	5.0	2.3	4.8
PSG-TT4	5.0	6.3	5.0	5.0	4.3	5.7	6.0	4.3	3.7	4.0	3.3	4.8
RAD-TF-89	3.3	5.3	5.3	4.3	5.0	6.3	7.3	4.3	4.7	4.7	2.0	4.8
ROWDY (SRX-TPC)	4.3	5.7	5.3	5.0	3.7	6.0	7.0	3.7	4.3	4.3	3.3	4.8
THOR (PPG-TF-157)	4.7	5.7	6.0	4.3	3.3	6.3	7.3	4.3	4.7	3.7	2.3	4.8
TEMPTATION (OR-21)	4.3	5.0	6.0	5.0	4.7	5.7	7.3	4.0	3.7	4.3	2.5	4.8
HEMI	4.3	5.3	4.7	4.7	3.7	6.3	7.0	4.3	4.3	5.0	2.7	4.8
OLYMPUS (RAD-TF-88)	3.3	5.3	5.3	5.3	4.0	5.7	7.3	3.7	4.7	5.3	2.3	4.8
RAD-TF-83	4.7	5.3	5.7	5.0	3.7	6.3	7.3	4.0	3.7	4.7	2.0	4.8
RAD-TF-92	3.0	5.3	5.7	5.3	4.0	6.0	8.0	4.3	4.7	4.7	1.3	4.8
IS-TF 269 SEL	4.7	5.3	5.7	4.3	3.7	6.0	7.3	5.0	3.3	4.3	2.3	4.7



TABLE 21. (CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MS1	NC1	NE1	NJ1	NJ2	PA1	MEAN
PST-5DZP	5.0	5.3	5.0	6.0	4.7	5.3	7.0	4.0	4.3	4.3	1.0	4.7
SALTILLO (PST-5SALT)	4.7	6.0	5.7	5.7	3.3	5.7	6.3	4.0	4.3	4.0	2.0	4.7
AQUADUCT	5.3	5.0	5.0	5.0	3.7	5.7	8.0	4.0	3.3	3.7	2.7	4.7
PPG-TF-115	4.3	6.3	5.3	5.7	4.0	5.3	6.7	4.0	3.3	4.0	2.3	4.7
DIABLO (IS-TF 330)	4.7	5.7	5.3	5.7	3.7	5.3	7.3	4.3	2.7	3.7	2.7	4.6
MARAUDER	4.0	5.7	4.7	5.7	4.7	5.0	7.0	4.0	4.0	4.3	1.7	4.6
PSG-8BP2	5.3	5.3	5.7	5.0	3.7	5.7	6.7	4.0	3.0	4.0	2.3	4.6
CROSSFIRE 4 (IS-TF 310 SEL)	4.0	5.7	4.7	4.3	3.7	6.3	7.3	5.0	3.7	3.7	2.3	4.6
FOXHOUND (IS-TF 284 M2)	4.3	6.3	6.0	5.0	3.7	6.0	6.3	4.0	3.0	4.0	1.7	4.6
RHIZING MOON (IS-TF 305 SEL)	4.3	5.3	5.7	5.7	4.0	6.0	6.3	3.7	3.7	4.0	1.7	4.6
TERRANO	4.3	6.7	5.3	4.3	3.7	6.0	6.7	3.7	2.7	4.7	2.3	4.6
BAR FA 121089	4.0	5.0	5.0	5.0	4.3	5.3	7.0	4.3	3.7	4.3	2.0	4.5
IS-TF 276 M2	5.3	5.0	5.7	4.3	3.0	5.7	7.0	4.3	4.0	4.0	1.7	4.5
BAR FA 121091	4.3	5.7	5.3	5.3	3.7	5.3	7.3	4.7	2.7	3.3	2.0	4.5
ARES (PPG-TF-142)	5.0	5.7	5.7	5.3	4.0	5.0	6.7	4.3	2.0	3.3	2.0	4.5
RHAMBLER 2 SRP (LSD)	4.0	6.0	5.0	4.7	3.7	6.0	7.3	4.3	2.0	4.0	2.0	4.5
NIGHTCRAWLER (IS-TF 285)	5.0	6.3	5.3	4.0	3.3	6.0	7.0	4.0	2.0	3.7	2.3	4.5
WARHAWK	4.7	6.3	5.7	5.3	3.3	4.7	7.3	4.0	3.0	3.3	1.0	4.4
JS 809	4.7	6.3	5.3	5.0	4.3	5.0	7.0	4.3	2.0	3.0	1.7	4.4
COMP. RES. SST	3.7	5.3	4.7	4.3	3.3	5.3	7.7	3.7	4.0	4.0	2.3	4.4
ANNIHILATOR	5.0	6.0	4.7	5.7	3.0	5.3	6.7	3.7	3.7	3.0	1.3	4.4
IS-TF 272	3.7	5.7	5.3	5.0	4.0	5.7	6.7	4.0	3.0	3.0	1.7	4.3
KINGDOM (DB1)	3.7	6.3	5.3	5.7	3.7	5.3	6.7	4.0	1.7	3.3	2.0	4.3
JS 818	5.3	6.7	5.7	3.7	4.0	5.0	6.7	4.0	1.7	2.3	2.0	4.3
MEMPHIS (GO-DFR)	4.7	6.3	5.0	4.3	3.7	5.3	6.7	3.7	2.7	3.0	1.3	4.2
UNITUS (IS-TF 289)	4.7	5.3	5.3	4.7	3.7	5.7	6.7	4.3	1.7	3.0	1.7	4.2
K12-05	3.7	5.3	5.3	4.3	3.3	6.0	6.3	3.7	2.7	4.0	1.7	4.2
DYNAMITE LS (PPG-TF-145)	4.7	6.3	5.0	4.7	4.0	5.3	6.7	4.7	1.0	2.7	1.0	4.2
JS 819	4.0	5.0	5.7	5.0	3.3	5.7	6.7	4.0	1.7	2.7	1.7	4.1
THUNDERSTRUCK (TD1)	3.7	5.7	4.3	4.7	4.3	5.3	6.3	4.0	2.0	3.3	1.3	4.1
BAR FA 121095	2.7	6.3	5.3	4.0	3.7	4.7	6.0	4.0	2.0	3.7	1.0	3.9
JS 825	4.0	5.7	5.3	4.7	3.7	5.0	5.7	4.0	1.0	2.7	1.7	3.9
K12-13	2.7	5.0	5.3	3.3	4.0	5.3	6.3	4.0	1.0	2.3	1.3	3.7
LSD VALUE	1.3	1.2	1.0	1.3	1.2	0.9	1.2	0.8	1.3	1.2	1.5	0.4
C.V. (%)	17.7	13.0	10.8	16.1	19.8	9.0	10.1	11.9	18.2	15.5	33.0	14.9

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

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

TABLE 22. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MO1	MS1	NC1	NE1	OK1	MEAN
FAYETTE (IS-TF 291)	7.0	5.7	8.0	6.3	6.7	6.0	6.0	7.0	5.3	6.7	6.5
REGENERATE	7.0	6.3	7.3	6.7	7.0	6.0	6.0	7.3	5.0	6.0	6.5
HOUNDOG8 (IS-TF 307 SEL)	7.0	6.0	7.0	6.7	6.3	6.0	6.0	7.3	5.3	6.7	6.4
IS-TF 272	7.3	5.3	7.7	6.7	6.7	6.3	6.0	7.3	5.0	6.0	6.4
BLACK TAIL (PPG-TF-150)	6.7	6.3	7.7	6.7	6.3	6.0	6.0	7.0	5.3	6.0	6.4
TECHNIQUE (RZ2)	7.0	6.0	7.3	6.3	6.7	6.0	6.0	7.7	5.0	6.0	6.4
MET 1	6.7	6.0	7.7	6.3	6.0	6.0	6.0	7.7	5.3	6.0	6.4
MET-3	7.0	5.7	7.0	7.0	6.7	6.0	6.3	7.3	5.0	5.7	6.4
AMITY (CCR2)	6.3	6.0	7.7	6.3	6.7	6.0	6.0	7.7	5.0	6.0	6.4
FIREWALL (PSG-WE1)	6.7	6.0	7.3	7.0	6.7	5.7	6.0	7.3	5.0	6.0	6.4
THOR (PPG-TF-157)	7.0	5.7	7.3	7.0	6.0	5.7	6.0	7.0	5.3	6.7	6.4
COMMANDER (PPG-TF-170)	6.3	6.0	7.3	7.0	6.3	6.0	6.0	7.0	5.3	6.0	6.3
IS-TF 311	7.0	6.0	7.0	7.0	6.3	6.0	6.0	7.0	5.0	6.0	6.3
MERIDIAN (PST-5GRB)	7.0	5.3	7.0	6.3	6.3	6.0	6.0	8.0	5.0	6.3	6.3
PARAMOUNT (PPG-TF-137)	6.3	6.0	7.0	7.0	6.3	6.0	6.0	7.3	5.0	6.3	6.3
RHIZING MOON (IS-TF 305 SEL)	7.0	5.7	7.3	6.7	6.0	6.0	6.0	7.3	5.3	6.0	6.3
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	5.7	6.7	6.3	6.0	5.7	6.0	7.7	5.7	6.3	6.3
TRAVERSE 2 SRP (W45)	7.3	5.7	7.7	6.3	6.7	6.0	6.0	7.0	5.0	5.7	6.3
HEMI	6.7	5.3	7.7	7.0	6.3	6.3	6.0	7.3	5.0	5.3	6.3
AVENGER II (PPG-TF-156)	6.7	6.3	7.0	6.3	6.3	6.0	6.0	7.3	5.0	6.0	6.3
FIREBIRD 2	6.7	5.3	7.3	6.3	6.7	6.0	6.0	7.3	5.0	6.3	6.3
K12-13	7.3	6.0	6.3	6.3	5.7	6.7	6.3	7.0	5.0	6.3	6.3
OLYMPUS (RAD-TF-88)	7.0	6.3	6.3	6.7	6.3	6.0	6.7	7.3	5.0	5.3	6.3
RAPTOR III (ZW 44)	7.0	5.0	7.7	6.7	6.7	6.0	6.0	7.0	5.0	6.0	6.3
TITANIUM 2LS (PPG-TF-152)	7.0	6.0	7.3	6.3	6.3	6.0	6.0	7.0	5.0	6.0	6.3
PPG-TF-172	6.3	6.0	7.7	6.7	6.0	5.7	6.0	7.3	5.0	6.0	6.3
FIRECRACKER SLS (PPG-TF-105)	7.0	5.7	7.3	5.3	6.7	6.0	6.0	7.3	5.7	5.7	6.3
4TH MILLENNIUM SRP (U43)	6.3	6.0	7.7	6.0	6.7	6.0	6.0	7.3	5.0	5.3	6.2
B23	6.3	5.7	8.0	5.3	6.7	6.3	6.0	7.0	5.0	6.0	6.2
BIZEM	6.7	5.7	7.7	6.0	6.3	6.0	6.0	7.0	5.3	5.7	6.2
FOXHOUND (IS-TF 284 M2)	7.0	5.3	7.3	6.3	6.0	6.0	6.0	7.0	5.0	6.3	6.2
JS 916	6.3	5.0	7.3	7.0	6.3	6.0	6.0	7.3	5.3	5.7	6.2
XTENDER (PPG-TF-139)	6.3	5.7	7.7	6.0	6.7	6.0	6.0	7.0	5.0	6.0	6.2
F711	6.0	5.7	7.3	6.3	6.0	6.0	6.0	7.3	5.7	6.0	6.2
PPG-TF-135	6.3	6.0	7.7	6.3	6.3	5.7	6.0	7.3	5.0	5.7	6.2
TEMPLE (DZ1)	6.0	6.3	7.0	6.0	6.0	6.3	6.0	7.3	5.7	5.7	6.2
K12-05	6.7	5.7	7.3	6.3	6.0	6.0	6.0	7.0	5.0	6.0	6.2
THUNDERSTRUCK (TD1)	7.0	6.0	7.3	6.3	6.0	6.0	5.7	7.0	5.3	5.3	6.2
HOVER (BURL TF-69)	7.0	5.3	7.0	6.7	6.0	6.0	6.3	7.0	5.0	5.3	6.2
REFLECTION (U45)	6.0	5.7	7.3	5.7	6.3	6.0	6.0	7.3	5.3	6.0	6.2
IS-TF 308 SEL	6.3	5.3	7.0	6.0	6.7	6.0	6.0	7.0	5.0	6.3	6.2

TABLE 22. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MO1	MS1	NC1	NE1	OK1	MEAN
PSG-P01	6.7	6.0	7.0	6.0	6.3	5.7	6.0	7.0	5.0	6.0	6.2
RAD-TF-89	6.0	5.7	7.3	6.3	6.3	6.7	6.0	7.0	5.0	5.3	6.2
SCREAMER LS (PPG-TF-148)	6.7	6.0	7.0	6.0	6.3	5.7	6.0	7.0	5.0	6.0	6.2
W41	6.7	6.0	7.3	7.0	5.7	6.0	6.0	7.0	5.0	5.0	6.2
HOT ROD (BURL TF-136)	7.0	5.3	7.3	6.0	6.0	5.3	6.0	7.3	5.3	5.7	6.1
REBOUNDER (PICK-W43)	6.7	5.7	7.7	6.0	5.3	6.0	6.0	7.3	5.3	5.3	6.1
CATALYST	6.7	5.3	7.3	6.0	6.3	6.0	6.0	7.0	5.0	5.7	6.1
DIABLO (IS-TF 330)	6.3	5.3	7.7	6.3	6.0	6.0	6.0	7.0	5.0	5.7	6.1
FAITH	5.7	6.0	7.0	6.3	6.3	6.3	6.0	7.0	5.0	5.7	6.1
EMBRACE (PST-5EV2)	5.7	5.0	7.3	5.7	6.0	6.0	6.0	7.0	6.0	6.3	6.1
UNITUS (IS-TF 289)	6.7	4.3	7.0	6.7	6.0	5.7	6.0	7.3	5.3	6.0	6.1
COMP. RES. SST	7.0	6.7	6.0	5.7	5.7	6.0	6.0	7.3	5.0	5.7	6.1
GTO (BURL TF-2)	6.3	5.7	7.7	6.0	5.7	5.7	6.0	7.0	5.3	5.7	6.1
KINGDOM (DB1)	6.3	5.3	6.7	7.0	6.0	6.0	6.0	7.3	5.0	5.3	6.1
MAESTRO (T31)	6.7	6.0	7.7	5.7	6.0	5.3	5.7	7.0	5.7	5.3	6.1
ROCKWELL (LTP-TWUU)	6.3	5.3	7.3	6.3	6.0	6.0	6.0	7.0	5.0	5.7	6.1
TURFWAY (IS-TF 282 M2)	6.3	5.3	7.0	6.0	6.3	6.0	6.0	7.0	5.0	6.0	6.1
DYNAMITE LS (PPG-TF-145)	6.0	5.7	7.0	5.7	6.0	6.0	6.0	7.0	5.3	6.0	6.1
FALCON V	7.0	5.7	7.0	6.0	5.7	6.0	6.0	7.0	5.0	5.3	6.1
GRANDE 3	6.0	5.7	7.0	6.0	6.0	5.7	6.0	7.0	5.3	6.0	6.1
NIGHTCRAWLER (IS-TF 285)	7.3	4.7	6.7	6.0	6.0	6.0	6.0	7.0	5.3	5.7	6.1
ROWDY (SRX-TPC)	6.7	5.7	7.0	6.0	5.7	6.0	6.0	7.0	5.3	5.3	6.1
WICHITA (PPG-TF-151)	6.3	5.7	7.0	5.7	5.7	6.0	6.0	7.3	5.0	6.0	6.1
BULLSEYE	6.0	5.7	7.3	5.3	6.0	6.0	6.0	7.0	5.3	6.0	6.1
IS-TF 269 SEL	6.3	5.7	7.0	6.3	6.0	5.7	6.0	7.0	5.0	5.7	6.1
K12-MCD	6.3	5.0	6.3	6.3	6.0	6.0	6.0	7.0	5.7	6.0	6.1
MEMPHIS (GO-DFR)	6.0	5.3	6.7	6.0	6.0	6.0	6.0	7.0	5.7	6.0	6.1
RHAMBLER 2 SRP (LSD)	6.3	6.0	7.3	5.0	6.0	5.7	6.0	7.0	5.0	6.3	6.1
204 RES. BLK4	7.3	6.3	5.0	6.0	6.0	6.7	6.3	6.7	4.3	5.7	6.0
ANNIHILATOR	7.3	5.0	5.7	6.0	6.3	6.3	5.7	7.0	5.3	5.7	6.0
ATF 1612	6.0	5.7	7.0	6.0	6.3	6.0	5.7	7.0	5.3	5.3	6.0
BLOODHOUND (MET 6 SEL)	5.7	5.7	7.3	6.7	6.0	6.0	5.7	7.0	5.3	5.0	6.0
CAESAR (TY 10)	6.3	5.0	7.0	6.3	5.7	6.0	6.0	7.0	5.7	5.3	6.0
IS-TF-287	7.0	5.3	6.3	7.0	5.7	5.7	6.0	6.7	5.0	5.7	6.0
PPG-TF-169	6.3	5.3	7.3	6.0	6.0	5.7	6.0	7.0	5.3	5.3	6.0
PST-5DZP	6.3	5.3	7.3	5.3	6.0	5.7	6.0	7.0	5.0	6.3	6.0
JS 809	6.7	5.7	6.7	5.7	5.7	6.0	6.0	7.0	5.0	5.7	6.0
JS 819	6.0	5.7	6.3	6.3	6.0	5.7	6.0	6.7	5.3	6.0	6.0
MICHELANGELO (LTP-F5DPDR)	6.3	5.3	6.7	6.7	5.3	6.3	6.0	7.0	5.0	5.3	6.0
TERRANO	6.0	5.3	7.3	5.7	5.7	5.3	6.0	7.0	6.0	5.7	6.0
IS-TF 276 M2	5.7	5.3	7.0	6.3	6.0	6.0	6.0	6.7	5.3	5.7	6.0
PST-5MVD	6.0	5.0	7.0	6.0	6.0	6.0	5.7	7.0	5.7	5.7	6.0

TABLE 22. (CONT'D)

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CT1	CA3	IA1	IL1	IN1	MO1	MS1	NC1	NE1	OK1	MEAN
JS 818	7.0	5.0	6.3	5.7	5.7	6.0	6.0	7.3	5.3	5.3	6.0
ARES (PPG-TF-142)	6.3	4.7	7.3	5.7	6.0	5.7	6.0	7.0	5.0	6.0	6.0
MARAUDER	7.0	5.7	5.7	5.0	6.0	6.3	6.0	7.0	5.3	5.7	6.0
PPG-TF-115	5.7	5.3	7.3	5.0	6.0	5.7	5.7	7.0	6.0	6.0	6.0
PPG-TF-138	6.3	5.0	7.0	6.0	6.3	5.3	6.0	7.0	5.0	5.7	6.0
ATF 1704	5.7	5.7	6.3	5.7	6.0	6.0	6.0	7.0	5.3	5.7	5.9
ATF 1754	5.3	5.7	7.3	6.3	5.7	5.3	6.0	7.0	5.0	5.3	5.9
LEONARDO (LTP-FSD)	6.0	5.0	7.0	5.7	5.7	5.7	6.0	7.0	5.7	5.3	5.9
RAD-TF-92	6.7	5.0	6.7	6.0	5.3	6.0	6.0	7.0	5.0	5.3	5.9
WARHAWK	7.0	4.7	6.3	5.0	5.3	6.0	6.0	7.0	5.3	6.3	5.9
RAD-TF-83	7.0	4.7	7.3	6.0	5.3	5.7	6.0	7.0	5.0	4.7	5.9
SALTILLO (PST-5SALT)	6.3	4.3	7.3	5.3	5.7	6.0	5.3	7.0	5.7	5.7	5.9
ATF 1736	6.0	4.7	6.3	6.0	5.7	6.0	6.0	7.0	5.3	5.3	5.8
FESNOVA	6.0	5.0	7.0	5.7	6.0	5.3	6.0	7.0	5.3	5.0	5.8
PSG-8BP2	5.7	4.7	6.3	6.7	5.7	5.3	5.3	6.7	6.0	6.0	5.8
PSG-TT4	5.3	4.7	6.7	5.7	6.3	5.7	5.3	7.3	6.0	5.3	5.8
SWAGGER (PST-5R05)	5.7	4.7	7.0	4.7	6.0	6.0	6.0	7.0	5.3	6.0	5.8
BAR FA 121095	6.0	5.0	6.3	5.3	5.7	6.0	6.0	6.7	5.3	5.3	5.8
PST-5BP0	5.7	4.7	7.0	5.3	5.3	5.7	5.7	7.0	6.0	5.3	5.8
TEMPTATION (OR-21)	6.0	4.7	6.3	4.7	5.3	6.0	6.0	6.7	5.7	6.0	5.7
FRONTLINE (EXP TF-09)	5.7	5.3	6.7	5.3	5.3	5.7	5.3	7.0	5.3	5.3	5.7
PSG-GSD	5.0	5.7	7.0	4.7	6.0	5.3	5.3	6.3	6.0	5.3	5.7
PST-5BRK	5.3	4.7	7.0	5.0	5.7	6.0	5.7	6.7	5.7	5.0	5.7
FALCON IV	6.0	4.7	7.0	4.7	5.7	5.7	5.3	6.3	6.0	5.0	5.6
RAIN DANCE (PST-5SDT)	5.7	4.7	6.7	4.7	5.3	5.3	5.3	7.0	6.0	5.3	5.6
AQUADUCT	6.0	4.7	6.0	4.7	6.0	6.0	5.0	6.7	5.7	5.0	5.6
BAR FA 121089	6.0	4.7	6.0	4.7	5.3	5.7	5.7	7.0	5.7	5.0	5.6
BAR FA 121091	5.7	5.0	6.3	4.7	5.7	5.7	5.0	6.7	6.0	5.0	5.6
PST-5EX2	5.0	4.3	6.7	5.7	5.3	5.3	6.0	6.3	5.3	5.0	5.5
JS 825	6.0	3.7	6.3	5.0	5.3	5.0	5.3	6.7	6.0	5.3	5.5
INSPIRATION (PST-R5NW)	5.0	4.3	7.0	4.3	6.0	5.3	5.3	6.7	5.7	5.0	5.5
BAR FA 120878	4.0	3.7	6.0	3.3	4.0	5.3	4.0	5.7	6.0	5.0	4.7
KY-31	2.0	2.0	3.7	2.0	3.0	3.0	3.0	5.0	7.0	4.0	3.5
LSD VALUE	1.0	1.0	0.9	1.3	0.8	0.7	0.4	0.6	0.6	0.8	0.3
C.V. (%)	9.4	11.4	8.3	13.4	8.6	7.7	4.5	5.6	7.3	8.5	8.7

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

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

TABLE 23. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	NC1	NAME	NC1
MERIDIAN (PST-5GRB)	8.3	AMITY (CCR2)	7.7
TEMPLE (DZ1)	8.3	ATF 1704	7.7
4TH MILLENNIUM SRP (U43)	8.0	ATF 1754	7.7
AVENGER II (PPG-TF-156)	8.0	BAR FA 121095	7.7
BIZEM	8.0	BLOODHOUND (MET 6 SEL)	7.7
BLACK TAIL (PPG-TF-150)	8.0	CAESAR (TY 10)	7.7
COMMANDER (PPG-TF-170)	8.0	CATALYST	7.7
COMP. RES. SST	8.0	DYNAMITE LS (PPG-TF-145)	7.7
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	EMBRACE (PST-5EV2)	7.7
DIABLO (IS-TF 330)	8.0	FAITH	7.7
F711	8.0	FALCON V	7.7
FIREBIRD 2	8.0	FAYETTE (IS-TF 291)	7.7
FIRECRACKER SLS (PPG-TF-105)	8.0	FOXHOUND (IS-TF 284 M2)	7.7
FIREWALL (PSG-WE1)	8.0	HOT ROD (BURL TF-136)	7.7
GRANDE 3	8.0	HOUND08 (IS-TF 307 SEL)	7.7
GTO (BURL TF-2)	8.0	HOVER (BURL TF-69)	7.7
HEMI	8.0	IS-TF 272	7.7
IS-TF 269 SEL	8.0	IS-TF 276 M2	7.7
IS-TF 311	8.0	IS-TF 308 SEL	7.7
IS-TF-287	8.0	JS 809	7.7
K12-05	8.0	JS 818	7.7
KINGDOM (DB1)	8.0	JS 916	7.7
LEONARDO (LTP-FSD)	8.0	K12-13	7.7
MEMPHIS (GO-DFR)	8.0	MAESTRO (T31)	7.7
MET-3	8.0	MET 1	7.7
OLYMPUS (RAD-TF-88)	8.0	PSG-PO1	7.7
PARAMOUNT (PPG-TF-137)	8.0	PSG-TT4	7.7
PPG-TF-135	8.0	PST-5DZP	7.7
PPG-TF-138	8.0	RAD-TF-83	7.7
PPG-TF-172	8.0	RAD-TF-92	7.7
REFLECTION (U45)	8.0	RAPTOR III (ZW 44)	7.7
REGENERATE	8.0	REBOUNDER (PICK-W43)	7.7
RHAMBLER 2 SRP (LSD)	8.0	ROCKWELL (LTP-TWUU)	7.7
ROWDY (SRX-TPC)	8.0	TEMPTATION (OR-21)	7.7
SCREAMER LS (PPG-TF-148)	8.0	UNITUS (IS-TF 289)	7.7
TECHNIQUE (RZ2)	8.0	WICHITA (PPG-TF-151)	7.7
THUNDERSTRUCK (TD1)	8.0	XTENDER (PPG-TF-139)	7.7
TITANIUM 2LS (PPG-TF-152)	8.0	ANNIHILATOR	7.3
TRAVERSE 2 SRP (W45)	8.0	AQUADUCT	7.3
TURFWAY (IS-TF 282 M2)	8.0	ATF 1612	7.3
W41	8.0	B23	7.3
204 RES. BLK4	7.7	BAR FA 121089	7.3

TABLE 23. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	NC1
JS 819	7.3
MARAUDER	7.3
MICHELANGELO (LTP-F5DPDR)	7.3
PPG-TF-115	7.3
PPG-TF-169	7.3
PSG-GSD	7.3
PST-5BP0	7.3
PST-5BRK	7.3
PST-5MVD	7.3
RAD-TF-89	7.3
RHIZING MOON (IS-TF 305 SEL)	7.3
SALTILLO (PST-5SALT)	7.3
SWAGGER (PST-5R05)	7.3
TERRANO	7.3
THOR (PPG-TF-157)	7.3
WARHAWK	7.3
ARES (PPG-TF-142)	7.0
ATF 1736	7.0
FESNOVA	7.0
FRONTLINE (EXP TF-09)	7.0
JS 825	7.0
K12-MCD	7.0
NIGHTCRAWLER (IS-TF 285)	7.0
PSG-8BP2	7.0
PST-5EX2	7.0
RAIN DANCE (PST-5SDT)	7.0
BAR FA 121091	6.7
BULLSEYE	6.7
FALCON IV	6.7
INSPIRATION (PST-R5NW)	6.7
BAR FA 120878	5.0
KY-31	5.0
LSD VALUE	0.9
C.V. (%)	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.

TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CA3	IN1	NC1	OK1	MEAN
AMITY (CCR2)	7.0	7.7	7.3	6.0	7.0
GRANDE 3	6.7	6.7	8.0	6.3	6.9
MET 1	6.7	7.0	7.7	6.0	6.8
PPG-TF-135	7.0	6.7	7.7	6.0	6.8
REFLECTION (U45)	7.7	6.7	7.3	5.7	6.8
4TH MILLENNIUM SRP (U43)	7.3	7.0	8.0	5.0	6.8
PARAMOUNT (PPG-TF-137)	6.7	7.0	7.7	5.7	6.8
FIRECRACKER SLS (PPG-TF-105)	7.0	7.3	7.0	5.7	6.8
HOT ROD (BURL TF-136)	7.3	7.0	7.0	5.7	6.8
EMBRACE (PST-5EV2)	6.7	6.0	7.7	6.3	6.7
FIREWALL (PSG-WE1)	7.7	6.0	7.0	6.0	6.7
MAESTRO (T31)	6.7	6.7	7.3	6.0	6.7
TECHNIQUE (RZ2)	7.0	6.3	7.7	5.7	6.7
IS-TF 311	7.3	6.7	7.3	5.3	6.7
PPG-TF-172	7.0	6.3	8.0	5.3	6.7
FALCON V	6.7	7.0	7.0	5.7	6.6
FIREBIRD 2	6.7	6.7	7.3	5.7	6.6
IS-TF 308 SEL	7.0	6.7	7.7	5.0	6.6
MET-3	7.0	5.7	8.0	5.7	6.6
TITANIUM 2LS (PPG-TF-152)	6.3	6.7	7.7	5.7	6.6
DIABLO (IS-TF 330)	7.0	6.0	7.3	6.0	6.6
F711	7.0	6.3	8.0	5.0	6.6
PPG-TF-169	6.7	6.0	7.3	6.3	6.6
REGENERATE	7.0	7.3	7.0	5.0	6.6
PSG-P01	6.7	6.0	7.7	5.7	6.5
BIZEM	7.0	6.3	7.0	5.7	6.5
BLACK TAIL (PPG-TF-150)	7.0	6.0	7.0	6.0	6.5
HOUNDOG8 (IS-TF 307 SEL)	6.7	6.0	7.3	6.0	6.5
MERIDIAN (PST-5GRB)	6.7	7.3	6.0	6.0	6.5
PPG-TF-115	7.0	7.0	6.0	6.0	6.5
PPG-TF-138	6.3	6.7	7.3	5.7	6.5
ROWDY (SRX-TPC)	6.3	6.3	7.3	6.0	6.5
BLOODHOUND (MET 6 SEL)	6.3	6.7	7.7	5.0	6.4
COMMANDER (PPG-TF-170)	5.7	7.3	7.7	5.0	6.4
FAYETTE (IS-TF 291)	6.0	7.0	6.7	6.0	6.4
GTO (BURL TF-2)	6.7	6.3	7.0	5.7	6.4
KINGDOM (DB1)	6.7	6.0	8.0	5.0	6.4
WICHITA (PPG-TF-151)	6.3	6.0	7.7	5.7	6.4
ROCKWELL (LTP-TWUU)	7.0	6.3	7.0	5.3	6.4
SCREAMER LS (PPG-TF-148)	7.0	6.3	7.0	5.3	6.4
THUNDERSTRUCK (TD1)	7.0	5.3	7.3	6.0	6.4

TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT ' ) 2015 DATA

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

NAME	CA3	IN1	NC1	OK1	MEAN
CATALYST	6.7	7.0	7.0	4.7	6.3
PST-5BPO	6.0	6.7	7.7	5.0	6.3
PST-5DZP	6.7	6.0	7.0	5.7	6.3
RAPTOR III (ZW 44)	5.7	6.7	8.0	5.0	6.3
ATF 1704	6.7	6.0	7.3	5.3	6.3
AVENGER II (PPG-TF-156)	5.7	6.3	7.3	6.0	6.3
DYNAMITE LS (PPG-TF-145)	6.3	7.0	7.0	5.0	6.3
JS 916	6.3	5.7	7.3	6.0	6.3
REBOUNDER (PICK-W43)	6.0	6.3	7.3	5.7	6.3
TERRANO	6.0	6.3	7.0	6.0	6.3
TRAVERSE 2 SRP (W45)	6.0	6.7	7.3	5.3	6.3
W41	6.0	6.3	7.3	5.7	6.3
SALTILLO (PST-5SALT)	6.7	5.7	7.0	5.7	6.3
HEMI	6.7	6.0	7.0	5.3	6.3
IS-TF 269 SEL	6.3	6.7	6.7	5.3	6.3
IS-TF 276 M2	6.3	6.7	6.7	5.3	6.3
LEONARDO (LTP-FSD)	6.3	6.0	7.0	5.7	6.3
PSG-8BP2	6.0	6.0	7.0	6.0	6.3
PSG-GSD	6.0	6.3	7.0	5.7	6.3
TEMPLE (DZ1)	7.0	6.3	6.7	5.0	6.3
THOR (PPG-TF-157)	6.0	6.3	6.7	6.0	6.3
K12-MCD	7.0	5.3	7.3	5.3	6.3
BULLSEYE	6.3	5.7	7.0	5.7	6.2
FESNOVA	6.7	6.0	6.3	5.7	6.2
RHAMBLER 2 SRP (LSD)	5.7	6.3	6.7	6.0	6.2
RHIZING MOON (IS-TF 305 SEL)	6.0	6.0	7.0	5.7	6.2
TURFWAY (IS-TF 282 M2)	6.0	6.3	6.7	5.7	6.2
B23	5.7	6.3	7.3	5.3	6.2
FAITH	6.3	6.0	6.3	6.0	6.2
MICHELANGELO (LTP-F5DPDR)	6.0	6.3	6.3	6.0	6.2
OLYMPUS (RAD-TF-88)	7.0	6.3	7.0	4.3	6.2
FOXHOUND (IS-TF 284 M2)	6.7	5.7	7.0	5.0	6.1
ATF 1736	6.3	6.0	6.3	5.7	6.1
ATF 1754	6.3	7.0	6.3	4.7	6.1
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	6.3	6.7	5.3	6.1
HOVER (BURL TF-69)	6.3	7.0	5.7	5.3	6.1
K12-05	6.7	6.3	6.3	5.0	6.1
UNITUS (IS-TF 289)	5.7	6.3	6.3	6.0	6.1
MEMPHIS (GO-DFR)	6.0	5.7	6.7	5.7	6.0
IS-TF-287	6.0	5.0	6.7	6.3	6.0
NIGHTCRAWLER (IS-TF 285)	6.3	6.7	6.3	4.7	6.0
SWAGGER (PST-5R05)	6.0	6.0	6.3	5.7	6.0



TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	CA3	IN1	NC1	OK1	
TEMPTATION (OR-21)	6.3	5.7	6.7	5.3	6.0
XTENDER (PPG-TF-139)	6.0	6.0	7.0	5.0	6.0
CAESAR (TY 10)	6.0	5.7	6.7	5.3	5.9
JS 818	6.3	5.3	6.3	5.7	5.9
PST-5EX2	5.7	6.0	7.0	5.0	5.9
FALCON IV	6.3	6.3	6.0	5.0	5.9
IS-TF 272	6.3	6.3	5.7	5.3	5.9
JS 809	6.3	5.3	7.0	5.0	5.9
RAD-TF-89	6.7	5.3	6.3	5.3	5.9
BAR FA 121091	6.0	5.7	6.7	5.0	5.8
INSPIRATION (PST-R5NW)	6.3	5.7	6.7	4.7	5.8
ARES (PPG-TF-142)	5.7	6.0	6.3	5.3	5.8
BAR FA 121095	6.7	5.3	6.3	5.0	5.8
PST-5BRK	5.0	6.0	7.0	5.3	5.8
PST-5MVD	5.7	6.0	6.3	5.3	5.8
ATF 1612	5.7	6.0	6.7	4.7	5.8
204 RES. BLK4	7.0	4.0	6.7	5.3	5.8
AQUADUCT	5.0	6.0	7.0	5.0	5.8
JS 819	5.7	5.3	6.7	5.3	5.8
RAIN DANCE (PST-5SDT)	6.0	5.3	6.7	5.0	5.8
K12-13	6.3	5.0	6.3	5.3	5.8
ANNIHILATOR	6.3	5.0	6.7	4.7	5.7
RAD-TF-92	6.3	5.7	6.7	4.0	5.7
FRONTLINE (EXP TF-09)	5.7	5.3	6.7	4.7	5.6
PSG-TT4	5.0	5.7	6.7	4.7	5.5
BAR FA 121089	5.7	5.0	6.7	4.3	5.4
COMP. RES. SST	6.7	4.3	6.7	4.0	5.4
JS 825	4.7	5.0	7.0	5.0	5.4
WARHAWK	5.3	4.3	6.3	5.3	5.3
RAD-TF-83	5.7	5.7	6.0	3.7	5.3
MARAUDER	6.0	5.0	6.3	3.7	5.3
BAR FA 120878	5.3	5.3	5.7	4.3	5.2
KY-31	3.0	4.0	5.3	3.0	3.8
LSD VALUE	1.2	1.1	1.5	1.4	0.6
C.V. (%)	11.6	11.5	13.2	15.9	13.0

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

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

TABLE 25.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	NC1	OK1	MEAN	NAME	NC1	OK1	MEAN
PARAMOUNT (PPG-TF-137)	8.3	6.7	7.5	K12-05	7.7	6.0	6.8
TECHNIQUE (RZ2)	9.0	6.0	7.5	K12-MCD	8.0	5.7	6.8
AMITY (CCR2)	8.0	6.7	7.3	LEONARDO (LTP-FSD)	8.0	5.7	6.8
PPG-TF-135	8.0	6.7	7.3	MET 1	8.0	5.7	6.8
TITANIUM 2LS (PPG-TF-152)	8.7	6.0	7.3	PPG-TF-115	7.7	6.0	6.8
TRAVERSE 2 SRP (W45)	8.7	6.0	7.3	PPG-TF-169	8.3	5.3	6.8
F711	8.3	6.0	7.2	PSG-GSD	7.7	6.0	6.8
MAESTRO (T31)	7.7	6.7	7.2	PSG-PO1	8.0	5.7	6.8
BLACK TAIL (PPG-TF-150)	8.0	6.3	7.2	PST-5BPO	8.0	5.7	6.8
FAITH	8.0	6.3	7.2	PST-5BRK	8.0	5.7	6.8
HOT ROD (BURL TF-136)	8.0	6.3	7.2	PST-5EX2	8.0	5.7	6.8
MET-3	8.0	6.3	7.2	RAD-TF-89	7.7	6.0	6.8
REFLECTION (U45)	8.0	6.3	7.2	RAIN DANCE (PST-5SDT)	8.0	5.7	6.8
SCREAMER LS (PPG-TF-148)	8.0	6.3	7.2	REGENERATE	8.0	5.7	6.8
ATF 1704	8.3	5.7	7.0	RHIZING MOON (IS-TF 305 SEL)	7.7	6.0	6.8
AVENGER II (PPG-TF-156)	7.7	6.3	7.0	ROCKWELL (LTP-TWUU)	8.0	5.7	6.8
EMBRACE (PST-5EV2)	8.0	6.0	7.0	ROWDY (SRX-TPC)	8.0	5.7	6.8
FIREBIRD 2	7.7	6.3	7.0	THUNDERSTRUCK (TD1)	8.0	5.7	6.8
FIREWALL (PSG-WE1)	8.0	6.0	7.0	W41	7.7	6.0	6.8
GRANDE 3	8.0	6.0	7.0	B23	7.7	5.7	6.7
GTO (BURL TF-2)	8.0	6.0	7.0	BIZEM	7.7	5.7	6.7
HOUNDOG8 (IS-TF 307 SEL)	8.0	6.0	7.0	FALCON V	7.7	5.7	6.7
IS-TF 308 SEL	8.0	6.0	7.0	FAYETTE (IS-TF 291)	7.7	5.7	6.7
IS-TF-287	7.3	6.7	7.0	MEMPHIS (GO-DFR)	7.7	5.7	6.7
MICHELANGELO (LTP-F5DPDR)	8.0	6.0	7.0	PPG-TF-138	7.7	5.7	6.7
PPG-TF-172	8.3	5.7	7.0	PSG-8BP2	7.7	5.7	6.7
RAPTOR III (ZW 44)	8.3	5.7	7.0	PST-5MVD	7.7	5.7	6.7
REBOUNDER (PICK-W43)	7.7	6.3	7.0	RHAMBLER 2 SRP (LSD)	7.7	5.7	6.7
SALTILLO (PST-5SALT)	8.0	6.0	7.0	4TH MILLENNIUM SRP (U43)	8.0	5.3	6.7
SWAGGER (PST-5R05)	8.0	6.0	7.0	BLOODHOUND (MET 6 SEL)	8.0	5.3	6.7
THOR (PPG-TF-157)	7.7	6.3	7.0	BULLSEYE	7.3	6.0	6.7
WICHITA (PPG-TF-151)	8.0	6.0	7.0	DIABLO (IS-TF 330)	7.3	6.0	6.7
XTENDER (PPG-TF-139)	8.0	6.0	7.0	FIRECRACKER SLS (PPG-TF-105)	8.0	5.3	6.7
AQUADUCT	8.0	5.7	6.8	IS-TF 269 SEL	8.0	5.3	6.7
CATALYST	7.7	6.0	6.8	IS-TF 276 M2	8.0	5.3	6.7
COMMANDER (PPG-TF-170)	7.7	6.0	6.8	PST-5DZP	7.3	6.0	6.7
CROSSFIRE 4 (IS-TF 310 SEL)	7.7	6.0	6.8	ATF 1736	7.0	6.0	6.5
FOXHOUND (IS-TF 284 M2)	8.0	5.7	6.8	BAR FA 121091	7.7	5.3	6.5
HEMI	8.0	5.7	6.8	BAR FA 121095	7.7	5.3	6.5
IS-TF 311	7.7	6.0	6.8	DYNAMITE LS (PPG-TF-145)	7.7	5.3	6.5
JS 916	8.0	5.7	6.8	FESNOVA	7.7	5.3	6.5
				HOVER (BURL TF-69)	7.7	5.3	6.5

TABLE 25. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	NC1	OK1	MEAN
IS-TF 272	7.0	6.0	6.5
MERIDIAN (PST-5GRB)	7.0	6.0	6.5
NIGHTCRAWLER (IS-TF 285)	7.0	6.0	6.5
TEMPLE (DZ1)	7.0	6.0	6.5
TEMPTATION (OR-21)	7.3	5.7	6.5
TERRANO	7.3	5.7	6.5
TURFWAY (IS-TF 282 M2)	7.0	6.0	6.5
ARES (PPG-TF-142)	7.0	5.7	6.3
ATF 1612	7.7	5.0	6.3
FALCON IV	7.7	5.0	6.3
JS 809	7.7	5.0	6.3
JS 818	7.7	5.0	6.3
KINGDOM (DB1)	7.7	5.0	6.3
204 RES. BLK4	7.3	5.3	6.3
CAESAR (TY 10)	7.3	5.3	6.3
K12-13	7.3	5.3	6.3
OLYMPUS (RAD-TF-88)	7.3	5.3	6.3
UNITUS (IS-TF 289)	7.3	5.3	6.3
BAR FA 121089	7.7	4.7	6.2
ATF 1754	7.0	5.3	6.2
INSPIRATION (PST-R5NW)	7.0	5.3	6.2
RAD-TF-83	7.3	5.0	6.2
RAD-TF-92	7.0	5.3	6.2
FRONTLINE (EXP TF-09)	7.3	4.7	6.0
JS 819	7.3	4.7	6.0
PSG-TT4	7.3	4.7	6.0
WARHAWK	7.0	5.0	6.0
ANNIHILATOR	7.0	4.7	5.8
COMP. RES. SST	7.0	4.7	5.8
MARAUDER	7.0	4.7	5.8
BAR FA 120878	6.3	5.0	5.7
JS 825	6.7	4.3	5.5
KY-31	6.7	4.0	5.3
LSD VALUE	0.8	0.9	0.6
C.V. (%)	6.2	10.3	8.0

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

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

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	OK1	TN1	MEAN
AVENGER II (PPG-TF-156)	94.7	95.0	97.3	95.7
TECHNIQUE (RZ2)	96.3	93.3	97.3	95.7
EMBRACE (PST-5EV2)	93.0	96.3	97.3	95.6
PST-5EX2	94.7	94.7	97.0	95.4
IS-TF 308 SEL	94.7	92.7	97.3	94.9
BLOODHOUND (MET 6 SEL)	94.7	91.7	97.0	94.4
HOUNDG8 (IS-TF 307 SEL)	90.0	96.3	97.0	94.4
HOT ROD (BURL TF-136)	94.7	91.0	96.7	94.1
DIABLO (IS-TF 330)	93.3	92.0	97.0	94.1
ROWDY (SRX-TPC)	91.7	93.3	97.0	94.0
TRAVERSE 2 SRP (W45)	94.7	90.7	96.7	94.0
XTENDER (PPG-TF-139)	90.0	94.7	97.3	94.0
CROSSFIRE 4 (IS-TF 310 SEL)	91.7	92.7	97.0	93.8
PST-5BRK	90.0	94.0	97.3	93.8
IS-TF-287	93.3	90.3	97.0	93.6
MICHELANGELO (LTP-F5DPDR)	95.0	88.3	97.3	93.6
RAIN DANCE (PST-5SDT)	93.3	90.3	97.0	93.6
FAITH	91.7	92.0	96.7	93.4
PPG-TF-172	94.7	89.7	96.0	93.4
RHAMBLER 2 SRP (LSD)	91.7	91.3	97.3	93.4
SWAGGER (PST-5R05)	90.0	92.7	97.3	93.3
FIREBIRD 2	90.0	92.7	97.0	93.2
TURFWAY (IS-TF 282 M2)	90.0	91.7	97.7	93.1
GTO (BURL TF-2)	96.3	86.7	96.3	93.1
AQUADUCT	93.3	88.3	97.0	92.9
TEMPLE (DZ1)	90.0	91.7	96.7	92.8
WICHITA (PPG-TF-151)	93.0	87.7	97.7	92.8
BIZEM	96.3	85.0	97.0	92.8
F711	97.7	83.3	97.0	92.7
K12-MCD	88.3	92.3	97.3	92.7
COMMANDER (PPG-TF-170)	88.3	92.7	96.3	92.4
TERRANO	88.3	91.7	97.3	92.4
BLACK TAIL (PPG-TF-150)	90.0	91.0	96.0	92.3
FOXHOUND (IS-TF 284 M2)	85.0	94.0	97.3	92.1
MAESTRO (T31)	93.3	86.7	96.3	92.1
IS-TF 311	91.3	87.7	96.7	91.9
PSG-GSD	91.7	86.7	97.3	91.9
THOR (PPG-TF-157)	91.7	86.3	97.7	91.9
PPG-TF-138	88.3	90.0	96.7	91.7
RAD-TF-89	91.7	87.0	96.0	91.6
REFLECTION (U45)	91.7	86.0	96.7	91.4
PST-5BPO	91.7	86.0	96.3	91.3

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	OK1	TN1	MEAN
REBOUNDER (PICK-W43)	94.7	81.7	97.0	91.1
AMITY (CCR2)	93.3	82.7	97.0	91.0
TITANIUM 2LS (PPG-TF-152)	94.7	81.7	96.7	91.0
MERIDIAN (PST-5GRB)	93.0	81.7	97.3	90.7
FESNOVA	89.7	85.0	97.0	90.6
HEMI	90.0	85.0	96.7	90.6
KY-31	83.3	91.7	96.7	90.6
ATF 1704	96.3	78.3	97.0	90.6
SCREAMER LS (PPG-TF-148)	93.0	81.7	96.7	90.4
INSPIRATION (PST-R5NW)	88.3	85.7	97.0	90.3
JS 819	83.3	90.7	97.0	90.3
PARAMOUNT (PPG-TF-137)	94.7	79.3	97.0	90.3
K12-05	90.0	83.3	97.0	90.1
LEONARDO (LTP-FSD)	91.7	81.7	96.7	90.0
PSG-8BP2	85.0	88.3	96.7	90.0
PST-5MVD	91.7	81.7	96.3	89.9
WARHAWK	86.7	85.7	97.3	89.9
FRONTLINE (EXP TF-09)	90.0	82.3	97.0	89.8
GRANDE 3	95.0	78.0	96.3	89.8
FALCON IV	91.7	81.0	96.0	89.6
IS-TF 269 SEL	90.0	81.7	97.0	89.6
MET 1	91.7	80.0	96.7	89.4
PSG-TT4	86.7	85.0	96.7	89.4
REGENERATE	93.0	78.3	96.7	89.3
W41	88.3	83.3	96.3	89.3
BULLSEYE	86.7	83.3	96.7	88.9
ROCKWELL (LTP-TWUU)	96.0	73.3	97.0	88.8
CAESAR (TY 10)	91.7	76.7	97.3	88.6
UNITUS (IS-TF 289)	88.3	80.0	97.0	88.4
IS-TF 276 M2	86.7	81.7	96.7	88.3
TEMPTATION (OR-21)	86.7	81.3	97.0	88.3
B23	90.0	77.3	96.7	88.0
MET-3	97.7	70.0	96.3	88.0
PPG-TF-135	91.7	75.0	97.3	88.0
RHIZING MOON (IS-TF 305 SEL)	85.0	81.7	97.0	87.9
SALTILLO (PST-5SALT)	86.7	80.0	97.0	87.9
4TH MILLENNIUM SRP (U43)	96.3	71.0	96.3	87.9
ATF 1754	93.3	73.3	97.0	87.9
FIREWALL (PSG-WE1)	94.7	71.7	97.0	87.8
MEMPHIS (GO-DFR)	86.7	80.0	96.7	87.8
ARES (PPG-TF-142)	85.0	81.7	96.3	87.7
PPG-TF-169	97.7	68.7	96.7	87.7

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/				
NAME	NC1	OK1	TN1	MEAN
JS 818	83.3	82.0	97.0	87.4
JS 916	90.0	75.0	97.0	87.3
NIGHTCRAWLER (IS-TF 285)	86.7	78.3	96.7	87.2
BAR FA 120878	86.7	78.3	96.0	87.0
CATALYST	96.3	67.7	96.7	86.9
RAPTOR III (ZW 44)	91.7	71.7	97.3	86.9
ATF 1736	88.3	76.0	96.3	86.9
BAR FA 121091	88.3	75.0	96.7	86.7
BAR FA 121089	88.3	75.0	96.3	86.6
JS 825	83.3	80.0	96.0	86.4
PSG-P01	93.3	69.3	96.7	86.4
PST-5DZP	85.0	76.7	96.7	86.1
IS-TF 272	83.3	77.3	97.0	85.9
FIRECRACKER SLS (PPG-TF-105)	91.7	67.7	97.0	85.4
FALCON V	90.0	70.0	96.3	85.4
JS 809	83.3	76.7	96.0	85.3
PPG-TF-115	83.3	75.0	97.0	85.1
FAYETTE (IS-TF 291)	88.3	69.3	97.3	85.0
HOVER (BURL TF-69)	90.0	68.3	96.0	84.8
BAR FA 121095	78.3	78.3	96.3	84.3
ATF 1612	91.3	63.3	96.7	83.8
DYNAMITE LS (PPG-TF-145)	83.3	68.7	96.3	82.8
RAD-TF-83	86.7	63.3	96.0	82.0
KINGDOM (DB1)	88.3	58.3	96.3	81.0
THUNDERSTRUCK (TD1)	88.3	56.0	96.3	80.2
ANNIHILATOR	85.0	56.7	97.3	79.7
RAD-TF-92	90.0	50.0	96.7	78.9
204 RES. BLK4	83.3	53.3	97.3	78.0
K12-13	78.3	57.7	97.0	77.7
OLYMPUS (RAD-TF-88)	88.3	48.3	96.3	77.7
MARAUDER	85.0	43.3	97.3	75.2
COMP. RES. SST	85.0	28.3	97.3	70.2
LSD VALUE	7.7	29.0	0.9	10.0
C.V. (%)	5.3	22.5	0.6	12.1

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

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

TABLE 27. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/							
NAME	NC1	TN1	MEAN	NAME	NC1	TN1	MEAN
PSG-8BP2	99.0	98.0	98.5	BIZEM	99.0	92.0	95.5
KY-31	99.0	97.3	98.2	IS-TF 276 M2	99.0	92.0	95.5
RHAMBLER 2 SRP (LSD)	99.0	97.0	98.0	FAYETTE (IS-TF 291)	97.7	93.0	95.3
BAR FA 121091	99.0	95.7	97.3	FIREBIRD 2	99.0	91.7	95.3
FOXHOUND (IS-TF 284 M2)	99.0	95.7	97.3	JS 819	99.0	91.7	95.3
AQUADUCT	99.0	95.3	97.2	RAPTOR III (ZW 44)	99.0	91.7	95.3
PST-5EX2	99.0	95.3	97.2	ATF 1612	99.0	91.3	95.2
DIABLO (IS-TF 330)	99.0	95.0	97.0	EMBRACE (PST-5EV2)	99.0	91.3	95.2
DYNAMITE LS (PPG-TF-145)	99.0	95.0	97.0	GRANDE 3	99.0	91.3	95.2
JS 809	99.0	95.0	97.0	MARAUDER	99.0	91.3	95.2
K12-05	98.3	95.7	97.0	ROCKWELL (LTP-TWUU)	99.0	91.3	95.2
LEONARDO (LTP-FSD)	99.0	95.0	97.0	TRAVERSE 2 SRP (W45)	99.0	91.3	95.2
INSPIRATION (PST-R5NW)	99.0	94.7	96.8	W41	99.0	91.3	95.2
JS 916	99.0	94.7	96.8	AVENGER II (PPG-TF-156)	99.0	91.0	95.0
PST-5BRK	99.0	94.7	96.8	FRONTLINE (EXP TF-09)	97.0	93.0	95.0
TEMPLE (DZ1)	99.0	94.7	96.8	WICHITA (PPG-TF-151)	99.0	91.0	95.0
4TH MILLENNIUM SRP (U43)	99.0	94.3	96.7	PPG-TF-172	99.0	90.7	94.8
F711	99.0	94.3	96.7	PPG-TF-138	99.0	90.3	94.7
PSG-GSD	99.0	94.3	96.7	SALTILLO (PST-5SALT)	99.0	90.3	94.7
SWAGGER (PST-5R05)	99.0	94.3	96.7	ATF 1736	99.0	90.0	94.5
WARHAWK	99.0	94.3	96.7	FALCON V	99.0	90.0	94.5
ROWDY (SRX-TPC)	99.0	94.0	96.5	IS-TF 311	99.0	90.0	94.5
TERRANO	99.0	94.0	96.5	B23	99.0	89.7	94.3
COMMANDER (PPG-TF-170)	99.0	93.7	96.3	BAR FA 121089	99.0	89.7	94.3
FIRECRACKER SLS (PPG-TF-105)	99.0	93.7	96.3	CATALYST	99.0	89.7	94.3
JS 818	99.0	93.7	96.3	HOUNDOG8 (IS-TF 307 SEL)	99.0	89.7	94.3
JS 825	99.0	93.7	96.3	IS-TF-287	99.0	89.7	94.3
XTENDER (PPG-TF-139)	99.0	93.7	96.3	MICHELANGELO (LTP-F5DPDR)	99.0	89.7	94.3
K12-MCD	99.0	93.3	96.2	NIGHTCRAWLER (IS-TF 285)	99.0	89.7	94.3
THUNDERSTRUCK (TD1)	99.0	93.3	96.2	REFLECTION (U45)	99.0	89.7	94.3
204 RES. BLK4	99.0	93.0	96.0	RHIZING MOON (IS-TF 305 SEL)	98.3	90.3	94.3
BAR FA 120878	99.0	93.0	96.0	PSG-TT4	96.0	92.3	94.2
FAITH	99.0	93.0	96.0	AMITY (CCR2)	99.0	89.0	94.0
FESNOVA	99.0	93.0	96.0	ATF 1754	99.0	89.0	94.0
K12-13	99.0	93.0	96.0	CROSSFIRE 4 (IS-TF 310 SEL)	99.0	89.0	94.0
MET-3	99.0	92.7	95.8	MEMPHIS (GO-DFR)	99.0	89.0	94.0
ANNIHILATOR	99.0	92.3	95.7	MERIDIAN (PST-5GRB)	96.0	92.0	94.0
BULLSEYE	99.0	92.3	95.7	PPG-TF-169	99.0	89.0	94.0
FALCON IV	99.0	92.3	95.7	TEMPTATION (OR-21)	98.3	89.7	94.0
GTO (BURL TF-2)	99.0	92.3	95.7	FIREWALL (PSG-WE1)	99.0	88.7	93.8
TITANIUM 2LS (PPG-TF-152)	99.0	92.3	95.7	HEMI	99.0	88.7	93.8
BAR FA 121095	99.0	92.0	95.5	MET 1	99.0	88.7	93.8

TABLE 27. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	NC1	TN1	MEAN
PPG-TF-115	96.0	91.7	93.8
RAIN DANCE (PST-5SDT)	99.0	88.7	93.8
OLYMPUS (RAD-TF-88)	99.0	88.3	93.7
THOR (PPG-TF-157)	99.0	88.3	93.7
BLACK TAIL (PPG-TF-150)	99.0	88.0	93.5
PST-5BP0	99.0	88.0	93.5
PST-5DZP	99.0	88.0	93.5
SCREAMER LS (PPG-TF-148)	99.0	88.0	93.5
UNITUS (IS-TF 289)	99.0	88.0	93.5
ATF 1704	99.0	87.7	93.3
IS-TF 269 SEL	97.7	89.0	93.3
BLOODHOUND (MET 6 SEL)	99.0	87.3	93.2
COMP. RES. SST	99.0	87.3	93.2
HOT ROD (BURL TF-136)	99.0	86.7	92.8
HOVER (BURL TF-69)	99.0	86.3	92.7
IS-TF 308 SEL	99.0	86.3	92.7
MAESTRO (T31)	99.0	86.3	92.7
RAD-TF-83	99.0	86.3	92.7
RAD-TF-92	99.0	86.3	92.7
CAESAR (TY 10)	99.0	86.0	92.5
PPG-TF-135	99.0	85.7	92.3
TURFWAY (IS-TF 282 M2)	98.3	86.3	92.3
IS-TF 272	96.0	88.3	92.2
REBOUNDER (PICK-W43)	99.0	85.3	92.2
KINGDOM (DB1)	99.0	84.7	91.8
PSG-PO1	99.0	84.7	91.8
TECHNIQUE (RZ2)	99.0	84.7	91.8
PARAMOUNT (PPG-TF-137)	99.0	84.0	91.5
PST-5MVD	99.0	84.0	91.5
REGENERATE	99.0	84.0	91.5
RAD-TF-89	99.0	82.3	90.7
ARES (PPG-TF-142)	99.0	81.3	90.2
LSD VALUE	1.7	7.9	4.0
C.V. (%)	1.1	5.4	3.7

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 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	NC1	OK1	TN1	MEAN
SALTILLO (PST-5SALT)	99.0	93.3	95.3	95.9
FAYETTE (IS-TF 291)	99.0	93.3	94.3	95.6
EMBRACE (PST-5EV2)	99.0	91.7	95.3	95.3
AVENGER II (PPG-TF-156)	99.0	91.7	94.7	95.1
CROSSFIRE 4 (IS-TF 310 SEL)	99.0	91.7	94.0	94.9
RHAMBLER 2 SRP (LSD)	99.0	90.0	95.3	94.8
SWAGGER (PST-5R05)	99.0	90.0	95.0	94.7
PPG-TF-115	99.0	90.0	94.7	94.6
PSG-GSD	99.0	90.0	94.7	94.6
K12-MCD	99.0	90.0	94.3	94.4
RAIN DANCE (PST-5SDT)	99.0	90.0	94.0	94.3
ROCKWELL (LTP-TWUU)	99.0	88.3	95.0	94.1
AQUADUCT	99.0	88.3	94.7	94.0
LEONARDO (LTP-FSD)	99.0	88.3	94.7	94.0
TERRANO	99.0	88.3	94.7	94.0
CAESAR (TY 10)	99.0	88.3	94.3	93.9
DYNAMITE LS (PPG-TF-145)	99.0	88.3	94.3	93.9
FALCON IV	99.0	88.3	94.3	93.9
THOR (PPG-TF-157)	99.0	88.3	94.3	93.9
MAESTRO (T31)	99.0	88.3	94.0	93.8
PARAMOUNT (PPG-TF-137)	99.0	86.7	95.0	93.6
PST-5BPO	99.0	86.7	94.3	93.3
PSG-8BP2	99.0	86.7	94.0	93.2
4TH MILLENNIUM SRP (U43)	99.0	85.0	95.3	93.1
F711	99.0	85.0	95.3	93.1
GTO (BURL TF-2)	99.0	85.0	95.3	93.1
FESNOVA	99.0	85.0	95.0	93.0
IS-TF-287	99.0	85.0	94.7	92.9
MET-3	99.0	85.0	94.3	92.8
FRONTLINE (EXP TF-09)	99.0	85.0	94.0	92.7
PPG-TF-135	99.0	85.0	93.7	92.6
GRANDE 3	99.0	83.3	95.3	92.6
PST-5BRK	99.0	83.3	95.3	92.6
RHIZING MOON (IS-TF 305 SEL)	99.0	83.3	95.3	92.6
ATF 1736	99.0	83.3	95.0	92.4
BIZEM	99.0	83.3	95.0	92.4
MICHELANGELO (LTP-F5DPDR)	99.0	83.3	95.0	92.4
TEMPTATION (OR-21)	98.3	85.0	94.0	92.4
FAITH	99.0	83.3	94.7	92.3
PPG-TF-172	99.0	83.3	94.7	92.3
PST-5MVD	99.0	83.3	94.7	92.3
SCREAMER LS (PPG-TF-148)	99.0	83.3	94.7	92.3

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	NC1	OK1	TN1	MEAN
HOUNDOG8 (IS-TF 307 SEL)	99.0	83.3	94.3	92.2
IS-TF 272	99.0	83.3	94.3	92.2
PST-5DZP	99.0	83.3	94.3	92.2
REGENERATE	99.0	83.3	94.3	92.2
TURFWAY (IS-TF 282 M2)	99.0	83.3	94.3	92.2
IS-TF 311	99.0	83.3	94.0	92.1
JS 819	99.0	83.3	94.0	92.1
KY-31	99.0	85.0	92.3	92.1
MERIDIAN (PST-5GRB)	99.0	81.7	95.3	92.0
FIREBIRD 2	99.0	81.7	95.0	91.9
FIRECRACKER SLS (PPG-TF-105)	99.0	81.7	95.0	91.9
MET 1	99.0	81.7	95.0	91.9
INSPIRATION (PST-R5NW)	99.0	81.7	94.7	91.8
IS-TF 308 SEL	99.0	81.7	94.7	91.8
BAR FA 121091	99.0	81.7	94.3	91.7
FOXHOUND (IS-TF 284 M2)	99.0	81.7	94.3	91.7
RAPTOR III (ZW 44)	99.0	81.7	94.3	91.7
THUNDERSTRUCK (TD1)	99.0	81.7	94.3	91.7
WICHITA (PPG-TF-151)	99.0	81.7	94.3	91.7
TECHNIQUE (RZ2)	99.0	81.7	93.7	91.4
COMMANDER (PPG-TF-170)	99.0	80.0	95.0	91.3
ATF 1704	99.0	80.0	94.7	91.2
K12-05	99.0	81.7	93.0	91.2
TEMPLE (DZ1)	99.0	80.0	94.7	91.2
ROWDY (SRX-TPC)	99.0	80.0	94.3	91.1
TRAVERSE 2 SRP (W45)	99.0	80.0	94.0	91.0
AMITY (CCR2)	99.0	80.0	93.7	90.9
PSG-TT4	99.0	78.3	95.0	90.8
PST-5EX2	99.0	78.3	95.0	90.8
BAR FA 121095	99.0	78.3	94.7	90.7
CATALYST	99.0	78.3	94.7	90.7
HEMI	99.0	78.3	94.0	90.4
REBOUNDER (PICK-W43)	99.0	78.3	94.0	90.4
REFLECTION (U45)	99.0	76.7	95.0	90.2
W41	99.0	76.7	94.7	90.1
BAR FA 120878	99.0	76.7	94.3	90.0
MEMPHIS (GO-DFR)	99.0	76.7	94.3	90.0
PPG-TF-138	99.0	76.7	94.3	90.0
UNITUS (IS-TF 289)	99.0	76.7	94.3	90.0
XTENDER (PPG-TF-139)	99.0	76.7	94.3	90.0
BAR FA 121089	99.0	75.0	94.7	89.6
BLACK TAIL (PPG-TF-150)	99.0	75.0	94.7	89.6

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	NC1	OK1	TN1	MEAN
FIREWALL (PSG-WE1)	99.0	75.0	94.7	89.6
JS 818	99.0	75.0	94.7	89.6
JS 825	99.0	75.0	94.7	89.6
WARHAWK	99.0	75.0	94.7	89.6
IS-TF 276 M2	99.0	75.0	94.3	89.4
B23	99.0	75.0	94.0	89.3
PSG-P01	99.0	75.0	94.0	89.3
ARES (PPG-TF-142)	99.0	75.0	93.7	89.2
RAD-TF-89	99.0	76.7	92.0	89.2
NIGHTCRAWLER (IS-TF 285)	99.0	73.3	94.3	88.9
DIABLO (IS-TF 330)	99.0	71.7	95.0	88.6
JS 916	99.0	71.7	95.0	88.6
HOT ROD (BURL TF-136)	99.0	71.7	94.3	88.3
ATF 1612	99.0	70.0	94.3	87.8
K12-13	99.0	70.0	94.3	87.8
PPG-TF-169	99.0	70.0	94.0	87.7
JS 809	99.0	68.3	94.0	87.1
FALCON V	99.0	68.3	93.3	86.9
TITANIUM 2LS (PPG-TF-152)	99.0	66.7	94.7	86.8
ATF 1754	99.0	66.7	94.3	86.7
BLOODHOUND (MET 6 SEL)	99.0	65.0	94.7	86.2
204 RES. BLK4	99.0	63.3	95.3	85.9
IS-TF 269 SEL	99.0	63.3	94.3	85.6
COMP. RES. SST	99.0	61.7	95.3	85.3
KINGDOM (DB1)	99.0	63.3	93.3	85.2
BULLSEYE	99.0	61.7	95.0	85.2
ANNIHILATOR	99.0	60.0	94.7	84.6
RAD-TF-92	99.0	60.0	94.0	84.3
MARAUDER	99.0	56.7	95.0	83.6
RAD-TF-83	99.0	53.3	94.0	82.1
OLYMPUS (RAD-TF-88)	99.0	51.7	94.0	81.6
HOVER (BURL TF-69)	99.0	51.7	93.0	81.2
LSD VALUE	0.2	22.7	1.5	7.6
C.V. (%)	0.1	17.8	1.0	9.0

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

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

TABLE 29.

WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	CA3	MS1	NC1	MEAN	NAME	CA3	MS1	NC1	MEAN
F711	7.7	5.7	7.0	6.8	COMMANDER (PPG-TF-170)	7.3	5.3	6.0	6.2
GTO (BURL TF-2)	7.7	6.0	6.7	6.8	EMBRACE (PST-5EV2)	7.3	5.3	6.0	6.2
MET-3	7.7	5.7	6.7	6.7	FIREBIRD 2	7.3	5.0	6.3	6.2
SCREAMER LS (PPG-TF-148)	7.7	6.0	6.3	6.7	IS-TF 276 M2	7.3	5.0	6.3	6.2
FAYETTE (IS-TF 291)	8.0	5.7	6.0	6.6	IS-TF 311	7.3	5.0	6.3	6.2
HOT ROD (BURL TF-136)	8.0	5.0	6.7	6.6	ROWDY (SRX-TPC)	7.3	5.0	6.3	6.2
MICHELANGELO (LTP-F5DPDR)	7.3	5.7	6.7	6.6	AMITY (CCR2)	6.7	5.7	6.0	6.1
PPG-TF-169	7.0	6.0	6.7	6.6	K12-MCD	7.7	5.0	5.7	6.1
TECHNIQUE (RZ2)	7.7	5.3	6.7	6.6	REFLECTION (U45)	7.7	5.0	5.7	6.1
TITANIUM 2LS (PPG-TF-152)	7.7	5.3	6.7	6.6	TERRANO	7.7	5.0	5.7	6.1
TRAVERSE 2 SRP (W45)	7.7	5.3	6.7	6.6	AQUADUCT	7.0	5.0	6.3	6.1
AVENGER II (PPG-TF-156)	7.3	6.0	6.3	6.6	B23	7.0	5.3	6.0	6.1
K12-05	8.0	5.3	6.3	6.6	FRONTLINE (EXP TF-09)	7.0	5.0	6.3	6.1
PARAMOUNT (PPG-TF-137)	7.3	6.0	6.3	6.6	GRANDE 3	6.7	5.3	6.3	6.1
4TH MILLENNIUM SRP (U43)	7.7	5.0	6.7	6.4	IS-TF 308 SEL	7.0	5.0	6.3	6.1
MAESTRO (T31)	7.7	5.7	6.0	6.4	KINGDOM (DB1)	7.0	5.0	6.3	6.1
BLOODHOUND (MET 6 SEL)	7.3	5.7	6.3	6.4	PST-5BPO	7.3	5.0	6.0	6.1
CATALYST	7.3	5.3	6.7	6.4	RAD-TF-83	7.3	5.0	6.0	6.1
FALCON V	7.3	5.7	6.3	6.4	REBOUNDER (PICK-W43)	7.3	5.0	6.0	6.1
FIREWALL (PSG-WE1)	7.3	5.7	6.3	6.4	RHAMBLER 2 SRP (LSD)	7.0	5.0	6.3	6.1
PPG-TF-172	7.3	5.3	6.7	6.4	TEMPLE (DZ1)	7.0	5.3	6.0	6.1
ROCKWELL (LTP-TWUU)	7.3	5.3	6.7	6.4	CAESAR (TY 10)	7.0	5.0	6.0	6.0
THOR (PPG-TF-157)	8.0	5.3	6.0	6.4	CROSSFIRE 4 (IS-TF 310 SEL)	7.0	5.3	5.7	6.0
ATF 1612	7.7	5.0	6.3	6.3	DIABLO (IS-TF 330)	6.7	5.0	6.3	6.0
BLACK TAIL (PPG-TF-150)	7.3	5.3	6.3	6.3	HOUNDOG8 (IS-TF 307 SEL)	6.7	5.0	6.3	6.0
FESNOVA	7.0	5.3	6.7	6.3	HOVER (BURL TF-69)	7.3	4.7	6.0	6.0
MET 1	7.3	5.3	6.3	6.3	IS-TF 269 SEL	7.0	5.0	6.0	6.0
PPG-TF-135	7.3	5.3	6.3	6.3	IS-TF 272	7.0	5.0	6.0	6.0
PSG-P01	7.7	5.0	6.3	6.3	JS 916	6.7	5.0	6.3	6.0
PST-5EX2	7.3	5.3	6.3	6.3	MARAUDER	7.0	4.7	6.3	6.0
RAD-TF-89	7.3	5.0	6.7	6.3	PPG-TF-138	7.0	5.3	5.7	6.0
WICHITA (PPG-TF-151)	7.7	5.3	6.0	6.3	RAD-TF-92	7.3	4.7	6.0	6.0
COMP. RES. SST	7.0	5.0	6.7	6.2	RAPTOR III (ZW 44)	6.7	5.3	6.0	6.0
FAITH	7.0	5.7	6.0	6.2	RHIZING MOON (IS-TF 305 SEL)	7.3	5.0	5.7	6.0
FIRECRACKER SLS (PPG-TF-105)	7.7	5.0	6.0	6.2	TEMPTATION (OR-21)	6.7	5.0	6.3	6.0
LEONARDO (LTP-FSD)	7.0	5.0	6.7	6.2	THUNDERSTRUCK (TD1)	6.7	5.0	6.3	6.0
REGENERATE	6.7	5.3	6.7	6.2	UNITUS (IS-TF 289)	6.7	5.3	6.0	6.0
204 RES. BLK4	7.3	5.0	6.3	6.2	WARHAWK	7.0	5.0	6.0	6.0
ATF 1704	7.0	5.3	6.3	6.2	XTENDER (PPG-TF-139)	7.7	5.0	5.3	6.0
ATF 1754	7.3	5.0	6.3	6.2	BULLSEYE	7.0	5.0	5.7	5.9
BIZEM	7.3	5.0	6.3	6.2	DYNAMITE LS (PPG-TF-145)	7.0	5.0	5.7	5.9
					MEMPHIS (GO-DFR)	7.3	4.7	5.7	5.9

TABLE 29. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	CA3	MS1	NC1	MEAN
PSG-GSD	7.0	5.0	5.7	5.9
PSG-TT4	6.7	5.0	6.0	5.9
PST-5MVD	6.7	5.0	6.0	5.9
RAIN DANCE (PST-5SDT)	6.7	5.0	6.0	5.9
SALTILLO (PST-5SALT)	7.0	4.7	6.0	5.9
TURFWAY (IS-TF 282 M2)	6.7	5.3	5.7	5.9
W41	7.0	5.0	5.7	5.9
FALCON IV	7.0	4.3	6.3	5.9
PST-5BRK	6.3	5.3	6.0	5.9
ANNIHILATOR	6.7	4.7	6.0	5.8
ATF 1736	6.7	5.0	5.7	5.8
HEMI	6.7	5.0	5.7	5.8
JS 819	7.0	4.7	5.7	5.8
BAR FA 121091	6.3	5.0	6.0	5.8
JS 818	7.3	4.3	5.7	5.8
K12-13	7.0	5.0	5.3	5.8
MERIDIAN (PST-5GRB)	6.3	4.7	6.3	5.8
NIGHTCRAWLER (IS-TF 285)	7.0	5.0	5.3	5.8
PPG-TF-115	7.0	5.0	5.3	5.8
PST-5DZP	7.0	5.0	5.3	5.8
BAR FA 121089	6.3	5.0	5.7	5.7
BAR FA 121095	7.0	4.3	5.7	5.7
FOXHOUND (IS-TF 284 M2)	6.7	5.0	5.3	5.7
INSPIRATION (PST-R5NW)	6.3	5.0	5.7	5.7
IS-TF-287	6.7	4.7	5.7	5.7
JS 809	7.0	4.0	6.0	5.7
PSG-8BP2	6.7	5.0	5.3	5.7
SWAGGER (PST-5R05)	6.3	5.0	5.7	5.7
ARES (PPG-TF-142)	6.7	5.0	5.0	5.6
JS 825	6.7	4.3	5.7	5.6
OLYMPUS (RAD-TF-88)	6.7	4.7	5.0	5.4
BAR FA 120878	5.7	4.3	5.7	5.2
KY-31	5.0	4.3	3.0	4.1
LSD VALUE	1.1	0.6	1.0	0.6
C.V. (%)	9.9	7.9	10.8	9.8

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

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

TABLE 30.

LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	NJ2	NAME	NJ2
FOXHOUND (IS-TF 284 M2)	7.7	PST-5DZP	5.7
ARES (PPG-TF-142)	7.3	REBOUNDER (PICK-W43)	5.7
DIABLO (IS-TF 330)	7.3	RHAMBLER 2 SRP (LSD)	5.7
IS-TF 269 SEL	7.3	SWAGGER (PST-5R05)	5.7
KINGDOM (DB1)	7.3	TERRANO	5.7
TURFWAY (IS-TF 282 M2)	7.3	THUNDERSTRUCK (TD1)	5.7
BAR FA 121095	7.0	TITANIUM 2LS (PPG-TF-152)	5.7
DYNAMITE LS (PPG-TF-145)	7.0	4TH MILLENNIUM SRP (U43)	5.3
FAYETTE (IS-TF 291)	7.0	ANNIHILATOR	5.3
HOUNDOG8 (IS-TF 307 SEL)	7.0	B23	5.3
THOR (PPG-TF-157)	7.0	FESNOVA	5.3
BLACK TAIL (PPG-TF-150)	6.7	IS-TF 276 M2	5.3
FIRECRACKER SLS (PPG-TF-105)	6.7	IS-TF 311	5.3
FRONTLINE (EXP TF-09)	6.7	IS-TF-287	5.3
IS-TF 308 SEL	6.7	JS 819	5.3
JS 818	6.7	MET-3	5.3
TEMPTATION (OR-21)	6.7	PPG-TF-135	5.3
UNITUS (IS-TF 289)	6.7	ROCKWELL (LTP-TWUU)	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	WARHAWK	5.3
IS-TF 272	6.3	WICHITA (PPG-TF-151)	5.3
REFLECTION (U45)	6.3	204 RES. BLK4	5.0
TEMPLE (DZ1)	6.3	AMITY (CCR2)	5.0
BIZEM	6.0	BAR FA 121089	5.0
CAESAR (TY 10)	6.0	BAR FA 121091	5.0
FIREBIRD 2	6.0	COMMANDER (PPG-TF-170)	5.0
NIGHTCRAWLER (IS-TF 285)	6.0	COMP. RES. SST	5.0
PPG-TF-172	6.0	EMBRACE (PST-5EV2)	5.0
RAD-TF-83	6.0	FIREWALL (PSG-WE1)	5.0
REGENERATE	6.0	HEMI	5.0
RHIZING MOON (IS-TF 305 SEL)	6.0	JS 916	5.0
ROWDY (SRX-TPC)	6.0	MARAUDER	5.0
TRAVERSE 2 SRP (W45)	6.0	MERIDIAN (PST-5GRB)	5.0
XTENDER (PPG-TF-139)	6.0	MICHELANGELO (LTP-F5DPDR)	5.0
BULLSEYE	5.7	OLYMPUS (RAD-TF-88)	5.0
F711	5.7	PARAMOUNT (PPG-TF-137)	5.0
FAITH	5.7	PSG-TT4	5.0
JS 825	5.7	SALTILLO (PST-5SALT)	5.0
K12-05	5.7	W41	5.0
MEMPHIS (GO-DFR)	5.7	ATF 1736	4.7
PPG-TF-115	5.7	FALCON IV	4.7
PSG-P01	5.7	HOVER (BURL TF-69)	4.7
		INSPIRATION (PST-R5NW)	4.7

TABLE 30. LEAF SPOT RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	NJ2
K12-MCD	4.7
PSG-8BP2	4.7
PST-5BRK	4.7
PST-5MVD	4.7
RAD-TF-92	4.7
RAPTOR III (ZW 44)	4.7
SCREAMER LS (PPG-TF-148)	4.7
ATF 1754	4.3
BAR FA 120878	4.3
HOT ROD (BURL TF-136)	4.3
LEONARDO (LTP-FSD)	4.3
MAESTRO (T31)	4.3
MET 1	4.3
PPG-TF-138	4.3
PST-5BPO	4.3
RAIN DANCE (PST-5SDT)	4.3
TECHNIQUE (RZ2)	4.3
ATF 1612	4.0
ATF 1704	4.0
GRANDE 3	4.0
JS 809	4.0
K12-13	4.0
PST-5EX2	4.0
RAD-TF-89	4.0
AVENGER II (PPG-TF-156)	3.7
FALCON V	3.7
PPG-TF-169	3.7
PSG-GSD	3.7
AQUADUCT	3.3
BLOODHOUND (MET 6 SEL)	3.3
CATALYST	3.3
GTO (BURL TF-2)	3.3
KY-31	3.3
LSD VALUE	1.5
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 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	NC1	NJ2	OK1	TN1	MEAN
AMITY (CCR2)	7.7	7.3	7.0	9.0	7.8
AVENGER II (PPG-TF-156)	6.7	6.7	8.7	8.3	7.6
REBOUNDER (PICK-W43)	7.3	6.7	7.7	8.7	7.6
THOR (PPG-TF-157)	7.3	6.3	8.3	8.3	7.6
TRAVERSE 2 SRP (W45)	7.7	6.0	8.0	8.7	7.6
COMMANDER (PPG-TF-170)	7.0	5.3	8.7	9.0	7.5
FIRECRACKER SLS (PPG-TF-105)	7.3	6.3	7.3	9.0	7.5
GRANDE 3	7.0	5.7	8.3	9.0	7.5
LEONARDO (LTP-FSD)	8.0	5.0	8.0	9.0	7.5
MET 1	7.7	5.0	8.7	8.7	7.5
PARAMOUNT (PPG-TF-137)	7.0	5.7	8.3	9.0	7.5
TITANIUM 2LS (PPG-TF-152)	7.3	6.3	7.3	9.0	7.5
F711	8.0	5.0	7.7	9.0	7.4
ROCKWELL (LTP-TWUU)	8.0	5.7	7.0	9.0	7.4
GTO (BURL TF-2)	7.0	5.0	8.7	9.0	7.4
MICHELANGELO (LTP-F5DPDR)	8.0	5.3	8.0	8.3	7.4
RAPTOR III (ZW 44)	7.3	6.0	7.7	8.7	7.4
REGENERATE	6.7	6.3	7.7	8.7	7.3
B23	7.0	6.3	7.0	9.0	7.3
TECHNIQUE (RZ2)	7.3	6.3	7.0	8.7	7.3
CATALYST	7.7	4.7	7.7	9.0	7.3
FAYETTE (IS-TF 291)	6.0	5.7	8.7	8.7	7.3
MAESTRO (T31)	6.0	6.7	7.7	8.7	7.3
PSG-PO1	7.0	5.3	7.7	9.0	7.3
PST-5BRK	7.7	5.3	7.0	9.0	7.3
4TH MILLENNIUM SRP (U43)	6.0	5.7	8.0	9.0	7.2
IS-TF 308 SEL	7.3	5.0	8.0	8.3	7.2
SWAGGER (PST-5R05)	6.3	5.0	9.0	8.3	7.2
HOT ROD (BURL TF-136)	7.7	6.0	6.0	8.7	7.1
K12-MCD	7.0	5.7	7.0	8.7	7.1
HEMI	7.0	5.0	7.3	9.0	7.1
PPG-TF-135	6.3	5.3	7.7	9.0	7.1
PST-5EX2	7.3	5.0	7.0	9.0	7.1
RHAMBLER 2 SRP (LSD)	6.7	5.3	7.3	9.0	7.1
EMBRACE (PST-5EV2)	5.7	5.3	8.7	8.3	7.0
FALCON IV	7.3	3.7	8.0	9.0	7.0
IS-TF 311	6.3	5.3	8.3	8.0	7.0
MET-3	7.3	5.3	6.7	8.7	7.0
PSG-GSD	7.3	3.7	8.0	9.0	7.0
ROWDY (SRX-TPC)	6.3	5.7	7.3	8.7	7.0
TEMPLE (DZ1)	7.0	4.7	7.3	9.0	7.0



TABLE 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	NC1	NJ2	OK1	TN1	MEAN
TERRANO	6.0	5.0	8.7	8.3	7.0
WICHITA (PPG-TF-151)	6.7	5.3	7.3	8.7	7.0
FALCON V	6.3	4.7	7.7	9.0	6.9
PST-5BPO	7.3	4.7	7.7	8.0	6.9
REFLECTION (U45)	6.7	5.3	6.7	9.0	6.9
SCREAMER LS (PPG-TF-148)	6.3	4.7	7.7	9.0	6.9
ATF 1704	6.7	5.7	6.7	8.7	6.9
FESNOVA	6.3	5.0	7.7	8.7	6.9
PPG-TF-169	6.3	5.3	7.3	8.7	6.9
PSG-8BP2	6.3	4.0	8.3	9.0	6.9
XTENDER (PPG-TF-139)	7.0	5.7	6.3	8.7	6.9
BLOODHOUND (MET 6 SEL)	6.7	6.0	6.0	8.7	6.8
IS-TF-287	6.3	4.3	8.3	8.3	6.8
TURFWAY (IS-TF 282 M2)	6.7	5.0	7.3	8.3	6.8
FIREWALL (PSG-WE1)	6.3	5.0	7.0	9.0	6.8
THUNDERSTRUCK (TD1)	6.3	4.3	8.0	8.7	6.8
W41	7.3	4.3	7.0	8.7	6.8
FIREBIRD 2	6.0	4.7	7.3	9.0	6.8
BLACK TAIL (PPG-TF-150)	6.3	4.7	6.7	9.0	6.7
BIZEM	6.3	4.7	7.3	8.3	6.7
CAESAR (TY 10)	6.7	4.0	7.3	8.7	6.7
KY-31	7.3	3.0	8.0	8.3	6.7
PPG-TF-138	6.0	5.0	7.3	8.3	6.7
PPG-TF-172	7.3	4.0	6.7	8.7	6.7
TEMPTATION (OR-21)	6.3	4.0	7.7	8.7	6.7
FAITH	6.0	4.7	7.3	8.3	6.6
JS 818	4.7	5.0	7.7	9.0	6.6
RAD-TF-92	6.0	4.0	7.7	8.7	6.6
ATF 1612	5.7	5.3	6.3	9.0	6.6
PPG-TF-115	6.3	3.7	7.3	9.0	6.6
NIGHTCRAWLER (IS-TF 285)	6.0	4.3	7.3	8.7	6.6
AQUADUCT	7.0	2.7	8.0	8.3	6.5
HOUNDOG8 (IS-TF 307 SEL)	7.0	3.7	6.7	8.7	6.5
IS-TF 269 SEL	7.0	5.3	5.3	8.3	6.5
JS 916	5.3	5.3	7.3	8.0	6.5
RHIZING MOON (IS-TF 305 SEL)	5.7	4.0	7.3	9.0	6.5
SALTILLO (PST-5SALT)	5.3	4.3	7.7	8.7	6.5
MEMPHIS (GO-DFR)	5.7	3.7	8.0	8.3	6.4
ATF 1736	5.0	4.7	7.0	9.0	6.4
UNITUS (IS-TF 289)	5.7	4.3	7.7	8.0	6.4
ATF 1754	6.0	5.0	6.0	8.7	6.4
CROSSFIRE 4 (IS-TF 310 SEL)	5.3	4.3	7.0	9.0	6.4

TABLE 31. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/					
NAME	NC1	NJ2	OK1	TN1	MEAN
IS-TF 276 M2	6.7	3.7	7.0	8.0	6.3
RAD-TF-89	5.3	4.0	7.0	9.0	6.3
BULLSEYE	5.3	3.7	7.0	9.0	6.3
DYNAMITE LS (PPG-TF-145)	6.3	4.0	7.0	7.7	6.3
BAR FA 121095	5.7	3.7	7.0	8.3	6.2
WARHAWK	5.7	2.3	8.3	8.3	6.2
BAR FA 121089	6.3	3.7	6.7	8.0	6.2
JS 825	6.3	2.7	8.0	7.7	6.2
RAIN DANCE (PST-5SDT)	6.3	4.3	6.3	7.7	6.2
ANNIHILATOR	5.3	3.3	7.3	8.7	6.2
IS-TF 272	5.3	4.3	6.7	8.3	6.2
K12-05	6.0	4.0	7.3	7.3	6.2
COMP. RES. SST	5.7	3.0	7.7	8.0	6.1
DIABLO (IS-TF 330)	5.7	4.7	6.3	7.7	6.1
HOVER (BURL TF-69)	6.0	4.3	5.7	8.3	6.1
OLYMPUS (RAD-TF-88)	5.0	4.0	6.7	8.7	6.1
PSG-TT4	5.7	3.7	6.7	8.3	6.1
JS 819	5.3	4.0	7.3	7.7	6.1
PST-5DZP	5.7	3.3	7.3	8.0	6.1
FOXHOUND (IS-TF 284 M2)	5.7	3.3	7.0	8.0	6.0
K12-13	6.0	3.0	7.0	8.0	6.0
KINGDOM (DB1)	5.0	3.7	7.0	8.3	6.0
PST-5MVD	5.7	3.7	6.0	8.3	5.9
FRONTLINE (EXP TF-09)	5.0	2.7	7.3	8.7	5.9
RAD-TF-83	6.3	4.0	5.3	8.0	5.9
204 RES. BLK4	5.7	2.3	7.0	8.3	5.8
MARAUDER	5.3	2.7	7.7	7.7	5.8
MERIDIAN (PST-5GRB)	4.3	3.0	7.7	8.3	5.8
ARES (PPG-TF-142)	5.3	3.3	6.0	8.3	5.8
BAR FA 120878	5.7	2.3	7.7	7.3	5.8
BAR FA 121091	6.0	3.7	6.0	7.3	5.8
INSPIRATION (PST-R5NW)	4.3	3.0	7.7	8.0	5.8
JS 809	4.3	2.7	7.3	6.7	5.3
LSD VALUE	1.9	1.7	1.7	1.1	0.8
C.V. (%)	18.7	23.0	14.0	7.7	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 32. PINK SNOW MOLD RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 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	COMMANDER (PPG-TF-170)	6.7
ATF 1736	7.3	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
RHIZING MOON (IS-TF 305 SEL)	7.3	PPG-TF-172	6.7
SWAGGER (PST-5R05)	7.3	PSG-PO1	6.7
TEMPLE (DZ1)	7.3	PSG-TT4	6.7
BAR FA 121089	7.0	ROWDY (SRX-TPC)	6.7
CAESAR (TY 10)	7.0	THUNDERSTRUCK (TD1)	6.7
CATALYST	7.0	TITANIUM 2LS (PPG-TF-152)	6.7
FOXHOUND (IS-TF 284 M2)	7.0	UNITUS (IS-TF 289)	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-5BP0	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) 2015 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/  
2015 DATA

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

NAME	NE1	NAME	NE1
RAD-TF-92	7.0	HOVER (BURL TF-69)	6.0
BLOODHOUND (MET 6 SEL)	6.7	INSPIRATION (PST-R5NW)	6.0
IS-TF 269 SEL	6.7	IS-TF 308 SEL	6.0
4TH MILLENNIUM SRP (U43)	6.3	IS-TF 311	6.0
ATF 1704	6.3	IS-TF-287	6.0
BULLSEYE	6.3	JS 916	6.0
COMMANDER (PPG-TF-170)	6.3	K12-05	6.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	K12-MCD	6.0
FAITH	6.3	LEONARDO (LTP-FSD)	6.0
FIREWALL (PSG-WE1)	6.3	MAESTRO (T31)	6.0
GRANDE 3	6.3	MET 1	6.0
GTO (BURL TF-2)	6.3	MET-3	6.0
HEMI	6.3	MICHELANGELO (LTP-F5DPDR)	6.0
HOT ROD (BURL TF-136)	6.3	NIGHTCRAWLER (IS-TF 285)	6.0
MERIDIAN (PST-5GRB)	6.3	OLYMPUS (RAD-TF-88)	6.0
PARAMOUNT (PPG-TF-137)	6.3	PPG-TF-115	6.0
PPG-TF-135	6.3	PSG-GSD	6.0
PPG-TF-169	6.3	PSG-TT4	6.0
PPG-TF-172	6.3	PST-5BPO	6.0
PSG-P01	6.3	PST-5DZP	6.0
PST-5BRK	6.3	PST-5EX2	6.0
PST-5MVD	6.3	RAD-TF-83	6.0
RAD-TF-89	6.3	RAIN DANCE (PST-5SDT)	6.0
RAPTOR III (ZW 44)	6.3	RHAMBLER 2 SRP (LSD)	6.0
REBOUNDER (PICK-W43)	6.3	ROCKWELL (LTP-TWUU)	6.0
REGENERATE	6.3	ROWDY (SRX-TPC)	6.0
THOR (PPG-TF-157)	6.3	SCREAMER LS (PPG-TF-148)	6.0
THUNDERSTRUCK (TD1)	6.3	SWAGGER (PST-5R05)	6.0
TITANIUM 2LS (PPG-TF-152)	6.3	TECHNIQUE (RZ2)	6.0
AMITY (CCR2)	6.0	TRAVERSE 2 SRP (W45)	6.0
ATF 1736	6.0	UNITUS (IS-TF 289)	6.0
AVENGER II (PPG-TF-156)	6.0	W41	6.0
B23	6.0	WICHITA (PPG-TF-151)	6.0
BAR FA 121089	6.0	AQUADUCT	5.7
BLACK TAIL (PPG-TF-150)	6.0	ARES (PPG-TF-142)	5.7
DIABLO (IS-TF 330)	6.0	ATF 1612	5.7
EMBRACE (PST-5EV2)	6.0	ATF 1754	5.7
FALCON V	6.0	BIZEM	5.7
FAYETTE (IS-TF 291)	6.0	CAESAR (TY 10)	5.7
FIRECRACKER SLS (PPG-TF-105)	6.0	CATALYST	5.7
HOUND0G8 (IS-TF 307 SEL)	6.0	FALCON IV	5.7
		FESNOVA	5.7

TABLE 33. FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	NE1
FIREBIRD 2	5.7
FOXHOUND (IS-TF 284 M2)	5.7
FRONTLINE (EXP TF-09)	5.7
IS-TF 272	5.7
IS-TF 276 M2	5.7
KINGDOM (DB1)	5.7
PPG-TF-138	5.7
REFLECTION (U45)	5.7
RHIZING MOON (IS-TF 305 SEL)	5.7
SALTILLO (PST-5SALT)	5.7
TEMPLE (DZ1)	5.7
TEMPTATION (OR-21)	5.7
TERRANO	5.7
TURFWAY (IS-TF 282 M2)	5.7
BAR FA 121095	5.3
JS 809	5.3
JS 818	5.3
JS 819	5.3
JS 825	5.3
K12-13	5.3
MEMPHIS (GO-DFR)	5.3
PSG-8BP2	5.3
WARHAWK	5.3
XTENDER (PPG-TF-139)	5.3
204 RES. BLK4	5.0
ANNIHILATOR	5.0
COMP. RES. SST	5.0
DYNAMITE LS (PPG-TF-145)	5.0
F711	5.0
MARAUDER	5.0
BAR FA 120878	4.7
BAR FA 121091	4.7
KY-31	4.0
LSD VALUE	0.7
C.V. (%)	7.9

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

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

TABLE 34. FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	IL1	NAME	IL1
TURFWAY (IS-TF 282 M2)	7.3	HEMI	6.3
HOUND08 (IS-TF 307 SEL)	7.0	IS-TF 269 SEL	6.3
KINGDOM (DB1)	7.0	JS 818	6.3
THOR (PPG-TF-157)	7.0	JS 916	6.3
ATF 1612	6.7	K12-13	6.3
B23	6.7	K12-MCD	6.3
CAESAR (TY 10)	6.7	MET 1	6.3
F711	6.7	MICHELANGELO (LTP-F5DPDR)	6.3
FRONTLINE (EXP TF-09)	6.7	PPG-TF-115	6.3
GRANDE 3	6.7	PPG-TF-135	6.3
IS-TF 276 M2	6.7	PPG-TF-169	6.3
IS-TF 308 SEL	6.7	PPG-TF-172	6.3
JS 819	6.7	PSG-8BP2	6.3
LEONARDO (LTP-FSD)	6.7	PST-5DZP	6.3
MEMPHIS (GO-DFR)	6.7	RAD-TF-83	6.3
MET-3	6.7	RAPTOR III (ZW 44)	6.3
NIGHTCRAWLER (IS-TF 285)	6.7	REFLECTION (U45)	6.3
OLYMPUS (RAD-TF-88)	6.7	RHAMBLER 2 SRP (LSD)	6.3
PPG-TF-138	6.7	RHIZING MOON (IS-TF 305 SEL)	6.3
RAD-TF-92	6.7	ROWDY (SRX-TPC)	6.3
REGENERATE	6.7	SCREAMER LS (PPG-TF-148)	6.3
ROCKWELL (LTP-TWUU)	6.7	SWAGGER (PST-5R05)	6.3
TEMPTATION (OR-21)	6.7	TECHNIQUE (RZ2)	6.3
TRAVERSE 2 SRP (W45)	6.7	TERRANO	6.3
204 RES. BLK4	6.3	THUNDERSTRUCK (TD1)	6.3
AMITY (CCR2)	6.3	TITANIUM 2LS (PPG-TF-152)	6.3
ARES (PPG-TF-142)	6.3	UNITUS (IS-TF 289)	6.3
ATF 1736	6.3	W41	6.3
ATF 1754	6.3	XTENDER (PPG-TF-139)	6.3
BAR FA 121089	6.3	4TH MILLENNIUM SRP (U43)	6.0
BLOODHOUND (MET 6 SEL)	6.3	ATF 1704	6.0
COMMANDER (PPG-TF-170)	6.3	AVENGER II (PPG-TF-156)	6.0
COMP. RES. SST	6.3	BAR FA 121091	6.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	BAR FA 121095	6.0
DIABLO (IS-TF 330)	6.3	BIZEM	6.0
DYNAMITE LS (PPG-TF-145)	6.3	BLACK TAIL (PPG-TF-150)	6.0
EMBRACE (PST-5EV2)	6.3	BULLSEYE	6.0
FALCON V	6.3	CATALYST	6.0
FAYETTE (IS-TF 291)	6.3	FAITH	6.0
FESNOVA	6.3	FIREBIRD 2	6.0
FOXHOUND (IS-TF 284 M2)	6.3	GTO (BURL TF-2)	6.0
		HOVER (BURL TF-69)	6.0

TABLE 34. FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	IL1
INSPIRATION (PST-R5NW)	6.0
IS-TF 272	6.0
IS-TF 311	6.0
IS-TF-287	6.0
JS 809	6.0
JS 825	6.0
K12-05	6.0
MERIDIAN (PST-5GRB)	6.0
PARAMOUNT (PPG-TF-137)	6.0
PSG-GSD	6.0
PSG-PO1	6.0
PSG-TT4	6.0
PST-5BRK	6.0
PST-5EX2	6.0
PST-5MVD	6.0
RAD-TF-89	6.0
RAIN DANCE (PST-5SDT)	6.0
REBOUNDER (PICK-W43)	6.0
SALTILLO (PST-5SALT)	6.0
TEMPLE (DZ1)	6.0
WARHAWK	6.0
WICHITA (PPG-TF-151)	6.0
ANNIHILATOR	5.7
AQUADUCT	5.7
FALCON IV	5.7
FIRECRACKER SLS (PPG-TF-105)	5.7
FIREWALL (PSG-WE1)	5.7
HOT ROD (BURL TF-136)	5.7
MAESTRO (T31)	5.7
MARAUDER	5.7
BAR FA 120878	5.3
PST-5BPO	5.0
KY-31	4.0
LSD VALUE	0.9
C.V. (%)	9.3

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

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



TABLE 35. FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	OK1	NAME	OK1
REGENERATE	8.0	GTO (BURL TF-2)	7.0
WICHITA (PPG-TF-151)	8.0	HOT ROD (BURL TF-136)	7.0
ARES (PPG-TF-142)	7.7	IS-TF 308 SEL	7.0
FAYETTE (IS-TF 291)	7.7	JS 819	7.0
HEMI	7.7	K12-MCD	7.0
K12-05	7.7	KY-31	7.0
PPG-TF-135	7.7	LEONARDO (LTP-FSD)	7.0
REFLECTION (U45)	7.7	MET-3	7.0
XTENDER (PPG-TF-139)	7.7	MICHELANGELO (LTP-F5DPDR)	7.0
CAESAR (TY 10)	7.3	PARAMOUNT (PPG-TF-137)	7.0
COMMANDER (PPG-TF-170)	7.3	PPG-TF-172	7.0
DYNAMITE LS (PPG-TF-145)	7.3	PSG-8BP2	7.0
EMBRACE (PST-5EV2)	7.3	PSG-GSD	7.0
FAITH	7.3	PSG-PO1	7.0
FIREBIRD 2	7.3	PSG-TT4	7.0
FIRECRACKER SLS (PPG-TF-105)	7.3	PST-5BPO	7.0
FRONTLINE (EXP TF-09)	7.3	PST-5MVD	7.0
GRANDE 3	7.3	RAD-TF-89	7.0
IS-TF 272	7.3	RAIN DANCE (PST-5SDT)	7.0
K12-13	7.3	RHIZING MOON (IS-TF 305 SEL)	7.0
MARAUDER	7.3	SCREAMER LS (PPG-TF-148)	7.0
MERIDIAN (PST-5GRB)	7.3	TECHNIQUE (RZ2)	7.0
OLYMPUS (RAD-TF-88)	7.3	TEMPLE (DZ1)	7.0
PPG-TF-115	7.3	TEMPTATION (OR-21)	7.0
PST-5BRK	7.3	TERRANO	7.0
PST-5EX2	7.3	THOR (PPG-TF-157)	7.0
RAD-TF-83	7.3	THUNDERSTRUCK (TD1)	7.0
RAPTOR III (ZW 44)	7.3	TITANIUM 2LS (PPG-TF-152)	7.0
REBOUNDER (PICK-W43)	7.3	TRAVERSE 2 SRP (W45)	7.0
SALTILLO (PST-5SALT)	7.3	204 RES. BLK4	6.7
4TH MILLENNIUM SRP (U43)	7.0	ATF 1754	6.7
ATF 1612	7.0	BAR FA 121089	6.7
ATF 1736	7.0	BAR FA 121091	6.7
AVENGER II (PPG-TF-156)	7.0	BIZEM	6.7
B23	7.0	BULLSEYE	6.7
BAR FA 121095	7.0	CATALYST	6.7
BLACK TAIL (PPG-TF-150)	7.0	COMP. RES. SST	6.7
BLOODHOUND (MET 6 SEL)	7.0	DIABLO (IS-TF 330)	6.7
F711	7.0	FALCON IV	6.7
FESNOVA	7.0	FALCON V	6.7
FIREWALL (PSG-WE1)	7.0	FOXHOUND (IS-TF 284 M2)	6.7
		HOUNDOG8 (IS-TF 307 SEL)	6.7

TABLE 35. FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	OK1
HOVER (BURL TF-69)	6.7
IS-TF 269 SEL	6.7
IS-TF 276 M2	6.7
IS-TF-287	6.7
JS 818	6.7
KINGDOM (DB1)	6.7
MEMPHIS (GO-DFR)	6.7
MET 1	6.7
NIGHTCRAWLER (IS-TF 285)	6.7
PPG-TF-138	6.7
RAD-TF-92	6.7
RHAMBLER 2 SRP (LSD)	6.7
ROCKWELL (LTP-TWUU)	6.7
ROWDY (SRX-TPC)	6.7
SWAGGER (PST-5R05)	6.7
TURFWAY (IS-TF 282 M2)	6.7
UNITUS (IS-TF 289)	6.7
WARHAWK	6.7
AMITY (CCR2)	6.3
ATF 1704	6.3
BAR FA 120878	6.3
INSPIRATION (PST-R5NW)	6.3
JS 916	6.3
PST-5DZP	6.3
W41	6.3
ANNIHILATOR	6.0
AQUADUCT	6.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.0
IS-TF 311	6.0
JS 825	6.0
MAESTRO (T31)	6.0
PPG-TF-169	6.0
JS 809	5.7
LSD VALUE	1.3
C.V. (%)	11.9

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

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

TABLE 36.

POA ANNUA RATINGS OF TALL FESCUE CULTIVARS 1/  
2015 DATA

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

NAME	OK1	NAME	OK1
CROSSFIRE 4 (IS-TF 310 SEL)	9.0	PPG-TF-115	8.3
HOUND0G8 (IS-TF 307 SEL)	9.0	PPG-TF-135	8.3
MAESTRO (T31)	9.0	PPG-TF-138	8.3
TURFWAY (IS-TF 282 M2)	9.0	PSG-8BP2	8.3
AVENGER II (PPG-TF-156)	8.7	PSG-GSD	8.3
BLOODHOUND (MET 6 SEL)	8.7	PST-5BP0	8.3
COMMANDER (PPG-TF-170)	8.7	PST-5DZP	8.3
EMBRACE (PST-5EV2)	8.7	PST-5MVD	8.3
FAITH	8.7	RAD-TF-89	8.3
FIREBIRD 2	8.7	RAIN DANCE (PST-5SDT)	8.3
FOXHOUND (IS-TF 284 M2)	8.7	RAPTOR III (ZW 44)	8.3
IS-TF 308 SEL	8.7	REFLECTION (U45)	8.3
MERIDIAN (PST-5GRB)	8.7	SALTILLO (PST-5SALT)	8.3
PPG-TF-172	8.7	SCREAMER LS (PPG-TF-148)	8.3
PST-5BRK	8.7	TEMPLE (DZ1)	8.3
PST-5EX2	8.7	TEMPTATION (OR-21)	8.3
RHAMBLER 2 SRP (LSD)	8.7	AMITY (CCR2)	8.0
ROWDY (SRX-TPC)	8.7	ATF 1704	8.0
SWAGGER (PST-5R05)	8.7	B23	8.0
TECHNIQUE (RZ2)	8.7	BAR FA 121089	8.0
TERRANO	8.7	BAR FA 121091	8.0
THOR (PPG-TF-157)	8.7	BAR FA 121095	8.0
TRAVERSE 2 SRP (W45)	8.7	CAESAR (TY 10)	8.0
XTENDER (PPG-TF-139)	8.7	F711	8.0
AQUADUCT	8.3	FALCON IV	8.0
ARES (PPG-TF-142)	8.3	FAYETTE (IS-TF 291)	8.0
ATF 1754	8.3	FIRECRACKER SLS (PPG-TF-105)	8.0
BIZEM	8.3	GTO (BURL TF-2)	8.0
BLACK TAIL (PPG-TF-150)	8.3	IS-TF 269 SEL	8.0
BULLSEYE	8.3	IS-TF 276 M2	8.0
DIABLO (IS-TF 330)	8.3	IS-TF 311	8.0
FESNOVA	8.3	JS 818	8.0
GRANDE 3	8.3	K12-05	8.0
HEMI	8.3	MET 1	8.0
HOT ROD (BURL TF-136)	8.3	MET-3	8.0
INSPIRATION (PST-R5NW)	8.3	MICHELANGELO (LTP-F5DPDR)	8.0
IS-TF-287	8.3	REBOUNDER (PICK-W43)	8.0
JS 819	8.3	RHIZING MOON (IS-TF 305 SEL)	8.0
K12-MCD	8.3	UNITUS (IS-TF 289)	8.0
LEONARDO (LTP-FSD)	8.3	WICHITA (PPG-TF-151)	8.0
MEMPHIS (GO-DFR)	8.3	4TH MILLENNIUM SRP (U43)	7.7
		DYNAMITE LS (PPG-TF-145)	7.7

TABLE 36. POA ANNUA RATINGS OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA

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

NAME	OK1
FALCON V	7.7
FIREWALL (PSG-WE1)	7.7
FRONTLINE (EXP TF-09)	7.7
HOVER (BURL TF-69)	7.7
IS-TF 272	7.7
JS 825	7.7
JS 916	7.7
NIGHTCRAWLER (IS-TF 285)	7.7
PARAMOUNT (PPG-TF-137)	7.7
PSG-TT4	7.7
ROCKWELL (LTP-TWUU)	7.7
THUNDERSTRUCK (TD1)	7.7
TITANIUM 2LS (PPG-TF-152)	7.7
WARHAWK	7.7
ATF 1612	7.3
ATF 1736	7.3
CATALYST	7.3
JS 809	7.3
K12-13	7.3
KY-31	7.3
PSG-P01	7.3
REGENERATE	7.3
W41	7.3
PPG-TF-169	7.0
ANNIHILATOR	6.7
KINGDOM (DB1)	6.7
RAD-TF-92	6.7
BAR FA 120878	6.3
OLYMPUS (RAD-TF-88)	6.3
RAD-TF-83	6.3
204 RES. BLK4	6.0
MARAUDER	5.3
COMP. RES. SST	4.7
LSD VALUE	1.5
C.V. (%)	11.3

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

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

TABLE 37. PERCENT WINTER DAMAGE (FEBRUARY) OF TALL FESCUE CULTIVARS 1/  
2015 DATA 2/

NAME	NC1	NAME	NC1
K12-13	40.0	TERRANO	25.0
BAR FA 121095	36.7	BULLSEYE	23.3
OLYMPUS (RAD-TF-88)	36.7	CROSSFIRE 4 (IS-TF 310 SEL)	23.3
FOXHOUND (IS-TF 284 M2)	35.0	DYNAMITE LS (PPG-TF-145)	23.3
JS 818	35.0	IS-TF 269 SEL	23.3
IS-TF 272	33.3	PSG-TT4	23.3
ARES (PPG-TF-142)	31.7	RAD-TF-83	23.3
JS 809	31.7	THOR (PPG-TF-157)	23.3
JS 819	31.7	W41	23.3
JS 825	31.7	WARHAWK	23.3
PPG-TF-115	31.7	CAESAR (TY 10)	21.7
PSG-8BP2	31.7	FAITH	21.7
INSPIRATION (PST-R5NW)	30.0	FAYETTE (IS-TF 291)	21.7
PST-5DZP	30.0	FIREBIRD 2	21.7
RHIZING MOON (IS-TF 305 SEL)	30.0	GRANDE 3	21.7
COMMANDER (PPG-TF-170)	28.3	HEMI	21.7
IS-TF-287	28.3	JS 916	21.7
K12-05	28.3	MERIDIAN (PST-5GRB)	21.7
NIGHTCRAWLER (IS-TF 285)	28.3	PARAMOUNT (PPG-TF-137)	21.7
RHAMBLER 2 SRP (LSD)	28.3	PPG-TF-135	21.7
UNITUS (IS-TF 289)	28.3	RAD-TF-89	21.7
ANNIHILATOR	26.7	REBOUNDER (PICK-W43)	21.7
B23	26.7	SALTILLO (PST-5SALT)	21.7
BAR FA 121089	26.7	TEMPLE (DZ1)	21.7
EMBRACE (PST-5EV2)	26.7	TRAVERSE 2 SRP (W45)	21.7
HOUNDOG8 (IS-TF 307 SEL)	26.7	WICHITA (PPG-TF-151)	21.7
HOVER (BURL TF-69)	26.7	XTENDER (PPG-TF-139)	21.7
K12-MCD	26.7	ATF 1612	20.0
MEMPHIS (GO-DFR)	26.7	DIABLO (IS-TF 330)	20.0
PSG-GSD	26.7	FESNOVA	20.0
SWAGGER (PST-5R05)	26.7	LEONARDO (LTP-FSD)	20.0
TEMPTATION (OR-21)	26.7	MET 1	20.0
TURFWAY (IS-TF 282 M2)	26.7	MICHELANGELO (LTP-F5DPDR)	20.0
ATF 1736	25.0	PST-5MVD	20.0
BAR FA 121091	25.0	RAIN DANCE (PST-5SDT)	20.0
IS-TF 276 M2	25.0	REFLECTION (U45)	20.0
KY-31	25.0	ROWDY (SRX-TPC)	20.0
MARAUDER	25.0	SCREAMER LS (PPG-TF-148)	20.0
PPG-TF-138	25.0	ATF 1754	18.3
PST-5BPO	25.0	BIZEM	18.3
PST-5BRK	25.0	COMP. RES. SST	18.3
RAD-TF-92	25.0	FIRECRACKER SLS (PPG-TF-105)	18.3
RAPTOR III (ZW 44)	25.0	FIREWALL (PSG-WE1)	18.3
		HOT ROD (BURL TF-136)	18.3

TABLE 37. PERCENT WINTER DAMAGE (FEBRUARY) OF TALL FESCUE CULTIVARS 1/  
(CONT'D) 2015 DATA 2/

NAME	NC1
IS-TF 308 SEL	18.3
IS-TF 311	18.3
MAESTRO (T31)	18.3
AQUADUCT	16.7
AVENGER II (PPG-TF-156)	16.7
BAR FA 120878	16.7
BLACK TAIL (PPG-TF-150)	16.7
FALCON IV	16.7
FALCON V	16.7
FRONTLINE (EXP TF-09)	16.7
KINGDOM (DB1)	16.7
PPG-TF-172	16.7
PSG-PO1	16.7
PST-5EX2	16.7
THUNDERSTRUCK (TD1)	16.7
TITANIUM 2LS (PPG-TF-152)	16.7
204 RES. BLK4	15.0
AMITY (CCR2)	15.0
PPG-TF-169	15.0
4TH MILLENNIUM SRP (U43)	13.3
ATF 1704	13.3
BLOODHOUND (MET 6 SEL)	13.3
CATALYST	13.3
GTO (BURL TF-2)	13.3
REGENERATE	13.3
ROCKWELL (LTP-TWUU)	13.3
MET-3	11.7
TECHNIQUE (RZ2)	11.7
F711	10.0
LSD VALUE	14.2
C.V. (%)	39.1

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 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
AT STILLWATER, OK 1/  
2015 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
KY-31	8.0	8.7	8.3
COMMANDER (PPG-TF-170)	8.7	7.3	8.0
GTO (BURL TF-2)	8.7	7.3	8.0
AVENGER II (PPG-TF-156)	8.7	7.0	7.8
EMBRACE (PST-5EV2)	8.7	7.0	7.8
FAYETTE (IS-TF 291)	8.7	7.0	7.8
SWAGGER (PST-5RO5)	9.0	6.7	7.8
PARAMOUNT (PPG-TF-137)	8.3	7.0	7.7
TERRANO	8.7	6.7	7.7
THOR (PPG-TF-157)	8.3	7.0	7.7
F711	7.7	7.3	7.5
IS-TF 308 SEL	8.0	7.0	7.5
LEONARDO (LTP-FSD)	8.0	7.0	7.5
PSG-GSD	8.0	6.7	7.3
SALTILLO (PST-5SALT)	7.7	7.0	7.3
4TH MILLENNIUM SRP (U43)	8.0	6.3	7.2
AQUADUCT	8.0	6.3	7.2
CATALYST	7.7	6.7	7.2
DYNAMITE LS (PPG-TF-145)	7.0	7.3	7.2
FALCON IV	8.0	6.3	7.2
GRANDE 3	8.3	6.0	7.2
K12-MCD	7.0	7.3	7.2
MAESTRO (T31)	7.7	6.7	7.2
PST-5BPO	7.7	6.7	7.2
ROCKWELL (LTP-TWUU)	7.0	7.3	7.2
BAR FA 120878	7.7	6.3	7.0
IS-TF-287	8.3	5.7	7.0
MET 1	8.7	5.3	7.0
MICHELANGELO (LTP-F5DPDR)	8.0	6.0	7.0
PPG-TF-115	7.3	6.7	7.0
REGENERATE	7.7	6.3	7.0
RHAMBLER 2 SRP (LSD)	7.3	6.7	7.0
CROSSFIRE 4 (IS-TF 310 SEL)	7.0	6.7	6.8
FESNOVA	7.7	6.0	6.8
MERIDIAN (PST-5GRB)	7.7	6.0	6.8
NIGHTCRAWLER (IS-TF 285)	7.3	6.3	6.8
PSG-8BP2	8.3	5.3	6.8
RAPTOR III (ZW 44)	7.7	6.0	6.8
ROWDY (SRX-TPC)	7.3	6.3	6.8
TURFWAY (IS-TF 282 M2)	7.3	6.3	6.8
WICHITA (PPG-TF-151)	7.3	6.3	6.8
FIRECRACKER SLS (PPG-TF-105)	7.3	6.0	6.7
IS-TF 311	8.3	5.0	6.7
K12-05	7.3	6.0	6.7
PPG-TF-135	7.7	5.7	6.7

TABLE 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT STILLWATER, OK 1/  
2015 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
REBOUNDER (PICK-W43)	7.7	5.7	6.7
SCREAMER LS (PPG-TF-148)	7.7	5.7	6.7
TEMPLE (DZ1)	7.3	6.0	6.7
TEMPTATION (OR-21)	7.7	5.7	6.7
THUNDERSTRUCK (TD1)	8.0	5.3	6.7
TRAVERSE 2 SRP (W45)	8.0	5.3	6.7
ATF 1704	6.7	6.3	6.5
ATF 1736	7.0	6.0	6.5
FIREBIRD 2	7.3	5.7	6.5
FRONTLINE (EXP TF-09)	7.3	5.7	6.5
HEMI	7.3	5.7	6.5
JS 819	7.3	5.7	6.5
PPG-TF-138	7.3	5.7	6.5
PPG-TF-172	6.7	6.3	6.5
RHIZING MOON (IS-TF 305 SEL)	7.3	5.7	6.5
AMITY (CCR2)	7.0	5.7	6.3
CAESAR (TY 10)	7.3	5.3	6.3
FALCON V	7.7	5.0	6.3
JS 825	8.0	4.7	6.3
JS 916	7.3	5.3	6.3
MEMPHIS (GO-DFR)	8.0	4.7	6.3
MET-3	6.7	6.0	6.3
PSG-PO1	7.7	5.0	6.3
PST-5BRK	7.0	5.7	6.3
PST-5DZP	7.3	5.3	6.3
RAIN DANCE (PST-5SDT)	6.3	6.3	6.3
TECHNIQUE (RZ2)	7.0	5.7	6.3
UNITUS (IS-TF 289)	7.7	5.0	6.3
WARHAWK	8.3	4.3	6.3
BAR FA 121095	7.0	5.3	6.2
IS-TF 276 M2	7.0	5.3	6.2
JS 809	7.3	5.0	6.2
JS 818	7.7	4.7	6.2
PPG-TF-169	7.3	5.0	6.2
PSG-TT4	6.7	5.7	6.2
PST-5EX2	7.0	5.3	6.2
REFLECTION (U45)	6.7	5.7	6.2
TITANIUM 2LS (PPG-TF-152)	7.3	5.0	6.2
B23	7.0	5.0	6.0
COMP. RES. SST	7.7	4.3	6.0
FAITH	7.3	4.7	6.0
FIREWALL (PSG-WE1)	7.0	5.0	6.0
W41	7.0	5.0	6.0
204 RES. BLK4	7.0	4.7	5.8
BAR FA 121089	6.7	5.0	5.8



TABLE 38. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) AT STILLWATER, OK 1/  
2015 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
BIZEM	7.3	4.3	5.8
FOXHOUND (IS-TF 284 M2)	7.0	4.7	5.8
HOT ROD (BURL TF-136)	6.0	5.7	5.8
HOUNDOG8 (IS-TF 307 SEL)	6.7	5.0	5.8
INSPIRATION (PST-R5NW)	7.7	4.0	5.8
IS-TF 272	6.7	5.0	5.8
K12-13	7.0	4.7	5.8
RAD-TF-89	7.0	4.7	5.8
XTENDER (PPG-TF-139)	6.3	5.3	5.8
ATF 1612	6.3	5.0	5.7
BLACK TAIL (PPG-TF-150)	6.7	4.7	5.7
KINGDOM (DB1)	7.0	4.3	5.7
MARAUDER	7.7	3.7	5.7
ARES (PPG-TF-142)	6.0	5.0	5.5
ATF 1754	6.0	5.0	5.5
BAR FA 121091	6.0	5.0	5.5
BULLSEYE	7.0	4.0	5.5
DIABLO (IS-TF 330)	6.3	4.7	5.5
PST-5MVD	6.0	5.0	5.5
RAD-TF-92	7.7	3.3	5.5
ANNIHILATOR	7.3	3.3	5.3
BLOODHOUND (MET 6 SEL)	6.0	4.7	5.3
OLYMPUS (RAD-TF-88)	6.7	3.7	5.2
IS-TF 269 SEL	5.3	4.3	4.8
HOVER (BURL TF-69)	5.7	3.3	4.5
RAD-TF-83	5.3	3.3	4.3
LSD VALUE	2.2	2.6	1.8
C.V. (%)	13.3	22.3	13.7

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

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

TABLE 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
AT KNOXVILLE, TN 1/  
2015 DATA 2/

NAME	JUNE	JULY 15	JULY 29	AUGUST	MEAN
REBOUNDER (PICK-W43)	3.3	18.3	17.7	14.7	13.5
RAD-TF-89	1.7	7.7	20.7	17.7	11.9
PST-5MVD	4.0	8.3	19.0	16.0	11.8
REGENERATE	5.0	7.0	19.0	16.0	11.8
TURFWAY (IS-TF 282 M2)	3.3	10.0	16.7	13.7	10.9
HOUNDOG8 (IS-TF 307 SEL)	9.0	10.7	13.3	10.3	10.8
MAESTRO (T31)	4.0	9.0	16.7	13.7	10.8
PARAMOUNT (PPG-TF-137)	0.0	6.3	19.0	16.0	10.3
ARES (PPG-TF-142)	0.0	0.0	21.7	18.7	10.1
TECHNIQUE (RZ2)	2.7	3.3	18.3	15.3	9.9
HOT ROD (BURL TF-136)	2.0	7.3	16.3	13.3	9.8
RAD-TF-92	1.7	6.7	16.7	13.7	9.7
CAESAR (TY 10)	3.3	4.0	17.0	14.0	9.6
PST-5BPO	3.3	7.3	15.0	12.0	9.4
BLACK TAIL (PPG-TF-150)	6.7	3.3	15.0	12.0	9.3
PSG-P01	0.0	3.3	18.3	15.3	9.3
HOVER (BURL TF-69)	0.0	5.7	16.7	13.7	9.0
PPG-TF-135	2.7	1.7	17.3	14.3	9.0
RAD-TF-83	0.0	5.3	16.7	13.7	8.9
ATF 1704	0.0	7.7	15.3	12.3	8.8
KINGDOM (DB1)	0.0	1.7	18.3	15.3	8.8
AMITY (CCR2)	3.3	6.0	14.0	11.0	8.6
IS-TF 308 SEL	0.0	4.0	16.7	13.7	8.6
OLYMPUS (RAD-TF-88)	0.0	7.0	14.7	11.7	8.3
THOR (PPG-TF-157)	0.0	7.0	14.7	11.7	8.3
PPG-TF-169	0.0	6.7	14.0	11.0	7.9
BLOODHOUND (MET 6 SEL)	0.0	3.0	15.7	12.7	7.8
FIREWALL (PSG-WE1)	0.0	4.3	14.3	11.3	7.5
PST-5DZP	0.0	3.0	15.0	12.0	7.5
ATF 1754	0.0	4.7	14.0	11.0	7.4
IS-TF 272	0.0	3.3	14.7	11.7	7.4
MICHELANGELO (LTP-F5DPDR)	0.0	6.0	13.3	10.3	7.4
RAIN DANCE (PST-5SDT)	0.0	3.7	14.3	11.3	7.3
PPG-TF-172	2.7	4.3	12.3	9.3	7.2
SCREAMER LS (PPG-TF-148)	0.0	1.7	15.0	12.0	7.2
COMP. RES. SST	0.0	0.0	15.7	12.7	7.1
MEMPHIS (GO-DFR)	0.0	3.3	14.0	11.0	7.1
BAR FA 121089	1.7	2.7	13.3	10.3	7.0
HEMI	0.0	2.0	14.3	11.3	6.9
IS-TF 269 SEL	0.0	2.7	14.0	11.0	6.9
IS-TF 311	0.0	4.3	13.0	10.0	6.8
UNITUS (IS-TF 289)	0.0	0.0	15.0	12.0	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	0.0	1.7	14.0	11.0	6.7
SALTILLO (PST-5SALT)	0.0	4.3	12.7	9.7	6.7
IS-TF 276 M2	1.7	5.7	11.0	8.0	6.6
W41	2.0	4.0	11.7	8.7	6.6
ANNIHILATOR	0.0	7.7	10.7	7.7	6.5

TABLE 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT KNOXVILLE, TN 1/  
 2015 DATA 2/

NAME	JUNE	JULY 15	JULY 29	AUGUST	MEAN
BAR FA 121095	0.0	6.7	11.0	8.0	6.4
IS-TF-287	0.0	2.0	13.3	10.3	6.4
MET 1	0.0	0.0	14.3	11.3	6.4
B23	0.0	1.7	13.3	10.3	6.3
NIGHTCRAWLER (IS-TF 285)	0.0	1.7	13.3	10.3	6.3
AVENGER II (PPG-TF-156)	0.0	3.3	12.0	9.0	6.1
PPG-TF-138	0.0	2.0	12.7	9.7	6.1
RHIZING MOON (IS-TF 305 SEL)	0.0	1.7	12.7	9.7	6.0
CATALYST	0.0	0.0	13.3	10.3	5.9
EMBRACE (PST-5EV2)	0.0	3.3	11.7	8.7	5.9
REFLECTION (U45)	0.0	0.0	13.3	10.3	5.9
TEMPTATION (OR-21)	0.0	0.0	13.3	10.3	5.9
ATF 1736	0.0	0.0	13.0	10.0	5.8
FALCON V	0.0	0.0	13.0	10.0	5.8
JS 825	0.0	7.7	9.3	6.3	5.8
WICHITA (PPG-TF-151)	0.0	1.7	12.0	9.0	5.7
PSG-TT4	0.0	4.0	10.7	7.7	5.6
BIZEM	0.0	3.0	11.0	8.0	5.5
ROCKWELL (LTP-TWUU)	0.0	1.7	11.7	8.7	5.5
DYNAMITE LS (PPG-TF-145)	0.0	8.0	8.0	5.0	5.3
PPG-TF-115	0.0	1.7	11.3	8.3	5.3
K12-MCD	2.7	1.7	9.7	6.7	5.2
ATF 1612	0.0	0.0	11.7	8.7	5.1
FALCON IV	0.0	2.0	10.7	7.7	5.1
GRANDE 3	0.0	0.0	11.7	8.7	5.1
MARAUDER	0.0	0.0	11.7	8.7	5.1
TRAVERSE 2 SRP (W45)	0.0	0.0	11.7	8.7	5.1
BULLSEYE	0.0	1.7	10.7	7.7	5.0
FIREBIRD 2	0.0	0.0	11.3	8.3	4.9
JS 819	0.0	0.0	11.3	8.3	4.9
RAPTOR III (ZW 44)	0.0	0.0	11.3	8.3	4.9
BAR FA 120878	0.0	2.0	10.0	7.0	4.8
FAITH	0.0	2.0	10.0	7.0	4.8
K12-05	0.0	7.3	7.3	4.3	4.8
MERIDIAN (PST-5GRB)	0.0	0.0	11.0	8.0	4.8
ROWDY (SRX-TPC)	0.0	4.0	9.0	6.0	4.8
204 RES. BLK4	0.0	1.7	10.0	7.0	4.7
GTO (BURL TF-2)	0.0	0.0	10.7	7.7	4.6
TITANIUM 2LS (PPG-TF-152)	0.0	0.0	10.7	7.7	4.6
THUNDERSTRUCK (TD1)	0.0	1.7	9.7	6.7	4.5
MET-3	0.0	0.0	10.3	7.3	4.4
FAYETTE (IS-TF 291)	0.0	0.0	10.0	7.0	4.3
FESNOVA	0.0	0.0	10.0	7.0	4.3
FRONTLINE (EXP TF-09)	0.0	0.0	10.0	7.0	4.3
K12-13	0.0	0.0	10.0	7.0	4.3
XTENDER (PPG-TF-139)	0.0	1.7	9.3	6.3	4.3
COMMANDER (PPG-TF-170)	0.0	0.0	9.3	6.3	3.9

TABLE 39. PERCENT PYTHIUM RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) AT KNOXVILLE, TN 1/  
 2015 DATA 2/

NAME	JUNE	JULY 15	JULY 29	AUGUST	MEAN
FIRECRACKER SLS (PPG-TF-105)	0.0	0.0	9.3	6.3	3.9
FOXHOUND (IS-TF 284 M2)	0.0	4.0	7.3	4.3	3.9
JS 818	0.0	0.0	9.3	6.3	3.9
JS 916	0.0	2.0	8.3	5.3	3.9
JS 809	0.0	2.3	8.0	5.0	3.8
TEMPLE (DZ1)	0.0	1.7	8.3	5.3	3.8
TERRANO	0.0	0.0	9.0	6.0	3.8
4TH MILLENNIUM SRP (U43)	0.0	0.0	8.7	5.7	3.6
F711	0.0	0.0	8.7	5.7	3.6
PSG-GSD	0.0	0.0	8.7	5.7	3.6
SWAGGER (PST-5R05)	0.0	0.0	8.7	5.7	3.6
WARHAWK	0.0	0.0	8.7	5.7	3.6
INSPIRATION (PST-R5NW)	0.0	0.0	8.3	5.3	3.4
PST-5BRK	0.0	0.0	8.3	5.3	3.4
DIABLO (IS-TF 330)	0.0	0.0	8.0	5.0	3.3
LEONARDO (LTP-FSD)	0.0	0.0	8.0	5.0	3.3
AQUADUCT	0.0	0.0	7.7	4.7	3.1
PST-5EX2	0.0	0.0	7.7	4.7	3.1
BAR FA 121091	0.0	0.0	7.3	4.3	2.9
RHAMBLER 2 SRP (LSD)	0.0	0.0	6.0	3.0	2.3
KY-31	0.0	0.0	5.7	2.7	2.1
PSG-8BP2	0.0	0.0	5.0	2.0	1.8
LSD VALUE	6.6	9.5	9.6	9.6	7.1
C.V. (%)	383.6	150.9	36.0	47.6	50.8

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS \*/  
 2015 DATA  
 TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF \*\*/

NAME NAME	QUALITY MEAN 1/ grand_q	MAXIMUM IN TOP 25% 2/ percent	NAME NAME	QUALITY MEAN 1/ grand_q	MAXIMUM IN TOP 25% 2/ percent
204 RES. BLK4	5.5	11.1	INSPIRATION (PST-R5NW)	5.5	0.0
4TH MILLENNIUM SRP (U43)	6.7	77.8	IS-TF 269 SEL	6.2	27.8
AMITY (CCR2)	6.7	83.3	IS-TF 272	5.9	11.1
ANNIHILATOR	5.3	0.0	IS-TF 276 M2	6.0	5.6
AQUADUCT	5.4	5.6	IS-TF 308 SEL	6.4	44.4
ARES (PPG-TF-142)	6.0	11.1	IS-TF 311	6.4	38.9
ATF 1612	6.3	22.2	IS-TF-287	6.1	11.1
ATF 1704	6.3	33.3	JS 809	5.6	0.0
ATF 1736	6.0	0.0	JS 818	5.7	0.0
ATF 1754	6.1	16.7	JS 819	5.6	0.0
AVENGER II (PPG-TF-156)	6.6	88.9	JS 825	5.3	0.0
B23	6.4	50.0	JS 916	6.3	22.2
BAR FA 120878	4.6	0.0	K12-05	6.0	11.1
BAR FA 121089	5.5	0.0	K12-13	5.4	0.0
BAR FA 121091	5.4	0.0	K12-MCD	6.1	5.6
BAR FA 121095	5.7	5.6	KINGDOM (DB1)	6.1	0.0
BIZEM	6.5	61.1	KY-31	3.5	0.0
BLACK TAIL (PPG-TF-150)	6.4	50.0	LEONARDO (LTP-FSD)	6.2	16.7
BLOODHOUND (MET 6 SEL)	6.4	33.3	MAESTRO (T31)	6.5	61.1
BULLSEYE	6.1	11.1	MARAUDER	5.3	0.0
CAESAR (TY 10)	5.9	0.0	MEMPHIS (GO-DFR)	5.8	0.0
CATALYST	6.2	27.8	MERIDIAN (PST-5GRB)	6.1	16.7
COMMANDER (PPG-TF-170)	6.6	66.7	MET 1	6.6	83.3
COMP. RES. SST	5.4	0.0	MET-3	6.5	55.6
CROSSFIRE 4 (IS-TF 310 SEL)	6.4	38.9	MICHELANGELO (LTP-F5DPDR)	6.2	22.2
DIABLO (IS-TF 330)	6.2	22.2	NIGHTCRAWLER (IS-TF 285)	6.1	5.6
DYNAMITE LS (PPG-TF-145)	6.0	0.0	OLYMPUS (RAD-TF-88)	6.0	5.6
EMBRACE (PST-5EV2)	6.3	16.7	PARAMOUNT (PPG-TF-137)	6.5	44.4
F711	6.5	50.0	PPG-TF-115	6.0	11.1
FAITH	6.3	22.2	PPG-TF-135	6.6	66.7
FALCON IV	5.7	0.0	PPG-TF-138	6.2	16.7
FALCON V	6.2	11.1	PPG-TF-169	6.4	33.3
FAYETTE (IS-TF 291)	6.5	55.6	PPG-TF-172	6.4	44.4
FESNOVA	6.2	27.8	PSG-8BP2	5.7	5.6
FIREBIRD 2	6.3	33.3	PSG-GSD	5.8	11.1
FIRECRACKER SLS (PPG-TF-105)	6.4	38.9	PSG-P01	6.5	50.0
FIREWALL (PSG-WE1)	6.4	50.0	PSG-TT4	5.6	0.0
FOXHOUND (IS-TF 284 M2)	6.2	11.1	PST-5BPO	6.0	11.1
FRONTLINE (EXP TF-09)	5.5	5.6	PST-5BRK	6.0	16.7
GRANDE 3	6.3	27.8	PST-5DZP	5.8	0.0
GTO (BURL TF-2)	6.4	38.9	PST-5EX2	5.8	5.6
HEMI	6.5	44.4	PST-5MVD	6.0	5.6
HOT ROD (BURL TF-136)	6.4	44.4	RAD-TF-83	5.7	5.6
HOUNDOG8 (IS-TF 307 SEL)	6.3	38.9	RAD-TF-89	6.0	5.6
HOVER (BURL TF-69)	6.1	22.2	RAD-TF-92	6.0	16.7

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS  
(CONT'D) 2015 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
RAIN DANCE (PST-5SDT)	5.8	5.6
RAPTOR III (ZW 44)	6.6	61.1
REBOUNDER (PICK-W43)	6.6	50.0
REFLECTION (U45)	6.5	72.2
REGENERATE	6.7	72.2
RHAMBLER 2 SRP (LSD)	6.3	22.2
RHIZING MOON (IS-TF 305 SEL)	6.3	27.8
ROCKWELL (LTP-TWUU)	6.5	61.1
ROWDY (SRX-TPC)	6.3	27.8
SALTILLO (PST-5SALT)	6.0	11.1
SCREAMER LS (PPG-TF-148)	6.4	22.2
SWAGGER (PST-5R05)	5.8	11.1
TECHNIQUE (RZ2)	6.6	61.1
TEMPLE (DZ1)	6.4	50.0
TEMPTATION (OR-21)	5.8	16.7
TERRANO	6.0	5.6
THOR (PPG-TF-157)	6.5	38.9
THUNDERSTRUCK (TD1)	6.0	5.6
TITANIUM 2LS (PPG-TF-152)	6.6	61.1
TRAVERSE 2 SRP (W45)	6.6	55.6
TURFWAY (IS-TF 282 M2)	6.2	11.1
UNITUS (IS-TF 289)	6.1	11.1
W41	6.5	44.4
WARHAWK	5.3	0.0
WICHITA (PPG-TF-151)	6.3	27.8
XTENDER (PPG-TF-139)	6.3	33.3
LSD VALUE	0.2	
C.V. (%)	7.9	

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

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

1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.