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.

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Mr. Bill Dunn, Seed Research of Oregon, Inc.
Mr. Paul Hedgpeth, Columbia River Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
Dr. Doug Karcher, University of Arkansas
Dr. David Kopec, University of Arizona
Mr. Warren Bell, Biograss Sod Farms
Dr. Ken Diesburg, Southern Illinois University
Mr. Steve Reid, DLF International Seeds
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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 2012 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 2013

State	Location	Code
Arkansas	Fayetteville	AR1
Connecticut	Storrs	CT1
Georgia	Griffin	GA1
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Missouri	Columbia	MO1
Mississippi	Mississippi State	MS1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Tennessee	Knoxville	TN1
Tennessee	Knoxville (Traffic)	TN2
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic)	VA2

2012 NATIONAL TALL FESCUE TEST
Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	Terrano	Semillas Fito S.A.	*41	Burl TF-2(GTO)	Burlingham Seeds	81	PPG-TF-157	Columbia Seeds LLC
*2	Ky-31	Standard Entry	*42	Burl TF-136 (Hot Rod)	Burlingham Seeds	82	PPG-TF-169	Mountain View Seeds
*3	Regenerate	Landmark Turf & Native Seed	43	LTP-FSD	Lebanon Turf Products	83	PPG-TF-170	Mountain View Seeds
4	Fesnova	Semillas Fito S.A.	44	LTP-TWUU	Lebanon Turf Products	84	PPG-TF-137	Lewis Seed Company
5	ZW 44	Z Seeds	45	LTP-F5DPDR	Lebanon Turf Products	85	PPG-TF-135	Ampac Seed Company
6	W45	Turf Merchants, Inc.	46	IS-TF 289	DLF International Seed	86	PPG-TF-115	Lewis Seed Company
7	U43	Turf Merchants, Inc.	47	MET 6 SEL	DLF International Seed	87	PPG-TF-105	Mountain View Seeds
*8	LSD(rhambler 2 SRP)	Turf Merchants, Inc.	48	IS-TF 330	Columbia Seeds LLC	88	PPG-TF-172	Peak Plant Genetics
*9	Aquaduct	Turf Merchants, Inc.	49	IS-TF-287	DLF	89	PPG-TF-151	Grassland Oregon
*10	Catalyst	Standard Entry	50	IS-TF 307 SEL	DLF	90	PPG-TF-152	Peak Plant Genetics
*11	Marauder	Ledeboer Seed LLC	51	IS-TF 308 SEL	DLF International Seed	91	PPG-TF-148	Mountain View Seeds
*12	Warhawk	Ledeboer Seed LLC	52	IS-TF 311	Brett-Young Seeds	92	PPG-TF-150	Columbia Seeds LLC
*13	Annihilator	Ledeboer Seed LLC	53	IS-TF 285	DLF International Seed	93	BIZEM	Semillas Fito S.A.
14	Comp. Res. SST	Ledeboer Seed LLC	54	IS-TF 310 SEL	DLF International Seed	94	CCR2	Proseeds Marketing
15	204 Res. Blk4	Ledeboer Seed LLC	55	IS-TF 272	DLF International Seed	95	MET-3	Proseeds Marketing
16	JS 819	Jacklin Seed by Simplot?	56	ATF 1736	Pennington Seed	96	W41	The Scotts Company
17	JS 818	Jacklin Seed by Simplot?	57	ATF 1754	Brett-Young Seeds	97	PPG-TF-145	Mountain View Seeds
18	JS 809	Jacklin Seed by Simplot?	*58	Hemi	Burlingham Seeds	98	PPG-TF-138	Ampac Seed Company
19	JS 916	Jacklin Seed by Simplot?	*59	Firebird 2	Burlingham Seeds	99	PPG-TF-139	Landmark Turf & Native Seed
20	JS 825	Jacklin Seed by Simplot?	*60	Bullseye	Standard Entry	100	PPG-TF-142	Mountain View Seeds
21	MET 1	The Scotts Company	61	PST-5EV2	Landmark Turf & Natvie Seed	101	RAD-TF-89	Columbia Seeds LLC
22	F711	The Scotts Company	62	PST-5GRB	Landmark Turf & Natvie Seed.	102	RAD-TF-92	Radix Research
23	IS-TF 291	DLF International Seed	*63	PST-5SALT(Saltillo)	Rose Agri Seed	103	GO-DFR	Grasslands Oregon
24	IS-TF 276 M2	DLF International Seed	*64	PST-5SDT(Rain Dance)	Rose Agri Seed	104	K12-MCD	The Scotts Company
25	IS-TF 305 SEL	DLF International Seed	65	PST-5DZP	Pure-Seed Testing, Inc.	105	PST-5EX2	Pure-Seed Testing, Inc.
26	IS-TF 269 SEL	DLF International Seed	66	PST-5RO5	Brett Young	106	PST-5MVD	Brett Young
27	IS-TF 282 M2	DLF International Seed	67	PST-5BPO	Grassland Oregon	107	RAD-TF-83	Oak Park Farms
28	IS-TF 284 M2	DLF International Seed	68	PST-5BRK	Pure-Seed Testing, Inc.	108	RAD-TF-88	Grassland Oregon
*29	OR-21(Temptation)	Great Basin Seed	69	DB1	John Deere Landscapes	109	BAR Fa 120878	Barenbrug USA
*30	TY 10 (Caesar)	Great Basin Seed	70	RZ2	John Deere Landscapes	110	BAR Fa 121089	Barenbrug USA
*31	Exp TF-09(Frontline)	Great Basin Seed	71	TD1	Columbia Seeds LLC	111	BAR Fa 121091	Barenbrug USA
32	SRX-TPC	Seed Research of Oregon	72	DZ1	Columbia Seeds LLC	112	BAR Fa 121095	Barenbrug USA
33	PSG-WE1	Pickseed	73	T31	Landmark Turf & Native Seed	*113	PST-R5NW (Inspiration)	Rose Agri Seed
34	Pick-W43	Seed Research of Oregon	74	PSG-GSD	Pickseed	114	Burl TF-69	Burlingham Seeds
*35	Grande 3	Seed Research of Oregon	75	PSG-8BP2	Pickseed	*115	Falcon IV	Standard Entry
36	PSG-PO1	Pickseed	76	PSG-TT4	Pickseed	*116	Falcon V	Standard Entry
37	U45	Landmark Turf & Native Seed	*77	Faith	Standard Entry			
38	B23	Pennington Seed	78	K12-13	The Scotts Company			
39	ATF 1612	Pennington Seed	79	K12-05	The Scotts Company			
40	ATF 1704	Pennington Seed	80	PPG-TF-156	Mountain View Seeds			

*   COMMERCIALLY AVAILABLE IN THE USA IN 2014.

TABLE A.   2013 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
AR1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CT1	SANDY LOAM	5.6-6.0	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
GA1	SANDY LOAM	5.6-6.0	0-60	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT 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	-	-
KY1	SILT LOAM AND SILT	-	-	-	-	-	4.1+	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
MO1	SANDY CLAY LOAM	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	3.1-3.5	ONLY DURING SEVERE STRESS
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
OK1	LOAM	7.1-7.5	61-150	376-500	3.1-4.0	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	-	-	-	-	-	-	-	-
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 2013

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AR1			X	X	X	X	X		X		X		X		X
CT1				X	X	X	X	X	X	X			X		X
GA1		X	X	X	X	X	X	X		X	X	X	X		
IA1					X	X	X	X	X	X					
IL1				X	X	X	X	X	X	X			X	X	X
IL2			X	X	X	X	X	X	X	X	X				
IN1					X	X	X	X	X	X			X		X
KS2				X	X	X	X	X	X				X		
KY1			X	X	X	X	X	X	X	X					
MD1					X	X	X	X	X	X	X				
MO1			X	X	X	X	X	X	X	X	X		X		X
MS1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NC1			X	X	X	X	X	X	X	X	X	X	X		X
NE1			X	X	X	X	X	X	X				X	X	X
NJ1					X	X	X	X	X	X				X	
NJ2				X	X	X	X	X	X	X	X		X		X
OK1			X	X	X	X	X	X	X	X	X	X	X		X
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X		
TN2													X		
UT1								X	X	X			X		X
VA1					X	X	X	X	X	X	X		X		
VA2															

LOCATIONS AND DATA COLLECTED IN 2013

LOCATION	SEEDLING VIGOR	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	TYPHULA BLIGHT	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AR1	X	X		X	X				X			X	
CT1								X					
GA1					X								X
IA1													
IL1											X		
IL2	X				X								
IN1		X											
KS2									X			X	
KY1	X												
MD1									X				
MO1	X			X	X								
MS1	X					X							X
NC1	X	X	X	X	X	X			X				
NE1											X		
NJ1	X												
NJ2	X								X				
OK1		X	X			X				X			
TN1				X	X	X	X		X	X			
TN2													
UT1													
VA1													
VA2													

TABLE B. (CONT'D)   LOCATIONS AND DATA COLLECTED IN 2013

LOCATION	PERCENT ESTABLISH-MENT	RELATIVE GROWTH RATE	NET BLOTCH	BROWN PATCH RATINGS JULY	AUGUST	SEPTEMBER	EARLY SPRING GROUND COVER
AR1							
CT1	X						
GA1							
IA1							
IL1	X						
IL2							
IN1		X		X	X		
KS2	X						
KY1							
MD1							X
MO1	X						
MS1	X						
NC1							
NE1	X						
NJ1				X			
NJ2			X				
OK1	X				X	X	
TN1							
* TN2							
UT1	X						
VA1							
VA2							

* MORE TRAFFIC DATA FOR "TN2" AND "VA2" IN TABLE 13 AND 14.

TABLE 1.

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2013 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NC1	GA1	MS1	TN1	KY1	IL1	IA1	MO1	AR1	NE1	MEAN
ZW 44	5.7	5.7	6.7	7.9	6.9	6.1	6.3	6.7	7.7	6.3	6.6
U43	5.7	5.6	6.6	7.8	6.8	6.1	6.3	6.6	7.7	6.2	6.6
CCR2	5.6	5.6	6.6	7.8	6.7	6.0	6.3	6.6	7.6	6.2	6.5
PPG-TF-157	5.6	5.6	6.7	7.9	6.7	6.0	6.4	6.5	7.6	6.1	6.5
PPG-TF-137	5.6	5.6	6.7	7.9	6.7	6.0	6.3	6.6	7.6	6.2	6.5
PICK-W43	5.7	5.5	6.6	7.8	6.7	6.0	6.3	6.5	7.6	6.1	6.5
SRX-TPC	5.6	5.6	6.7	7.9	6.7	5.9	6.3	6.5	7.6	6.1	6.5
PPG-TF-152	5.7	5.5	6.5	7.7	6.7	6.0	6.4	6.5	7.6	6.1	6.5
* REGENERATE	5.5	5.6	6.6	7.8	6.9	6.0	6.0	6.6	7.6	6.2	6.5
PPG-TF-156	5.5	5.6	6.6	7.8	6.7	5.9	6.2	6.5	7.6	6.1	6.5
B23	5.5	5.6	6.6	7.8	6.7	5.9	6.1	6.6	7.6	6.1	6.5
W45	5.6	5.5	6.6	7.8	6.7	5.9	6.2	6.5	7.6	6.1	6.5
F711	5.7	5.5	6.5	7.7	6.6	5.9	6.4	6.4	7.6	6.1	6.4
PPG-TF-105	5.6	5.5	6.6	7.7	6.7	5.9	6.2	6.5	7.6	6.1	6.4
MET 1	5.6	5.5	6.5	7.7	6.7	5.9	6.3	6.5	7.6	6.1	6.4
K12-MCD	5.5	5.5	6.7	7.9	6.4	5.8	6.5	6.3	7.5	6.0	6.4
FESNOVA	5.5	5.5	6.6	7.8	6.6	5.9	6.2	6.5	7.5	6.1	6.4
TERRANO	5.6	5.5	6.6	7.8	6.5	5.8	6.4	6.4	7.5	6.0	6.4
MET-3	5.6	5.4	6.5	7.7	6.6	5.9	6.3	6.4	7.5	6.0	6.4
* RHAMBLER 2 SRP (LSD)	5.5	5.5	6.5	7.7	6.6	5.9	6.2	6.4	7.5	6.1	6.4
PPG-TF-172	5.6	5.5	6.5	7.7	6.6	5.9	6.3	6.4	7.5	6.0	6.4
PPG-TF-150	5.6	5.4	6.4	7.6	6.6	5.9	6.2	6.4	7.5	6.1	6.4
IS-TF 310 SEL	5.3	5.5	6.7	7.9	6.6	5.8	6.1	6.5	7.5	6.0	6.4
BIZEM	5.5	5.5	6.5	7.7	6.6	5.8	6.2	6.4	7.5	6.0	6.4
PPG-TF-170	5.5	5.4	6.5	7.7	6.6	5.8	6.2	6.4	7.5	6.0	6.4
* CATALYST	5.4	5.5	6.6	7.8	6.5	5.7	6.2	6.4	7.4	6.0	6.4
PPG-TF-151	5.5	5.4	6.5	7.7	6.5	5.8	6.3	6.4	7.5	6.0	6.4
PSG-PO1	5.4	5.5	6.6	7.8	6.5	5.7	6.1	6.4	7.4	6.0	6.4
IS-TF 291	5.5	5.4	6.5	7.7	6.6	5.8	6.1	6.4	7.5	6.0	6.4
IS-TF 289	5.4	5.4	6.5	7.7	6.6	5.8	6.1	6.4	7.5	6.0	6.3
W41	5.4	5.4	6.5	7.7	6.5	5.8	6.2	6.4	7.4	6.0	6.3
PPG-TF-138	5.4	5.5	6.6	7.8	6.5	5.7	6.2	6.4	7.4	5.9	6.3
LTP-FSD	5.5	5.4	6.5	7.7	6.5	5.8	6.3	6.3	7.4	5.9	6.3
PPG-TF-135	5.5	5.4	6.5	7.7	6.5	5.8	6.2	6.3	7.4	6.0	6.3
PPG-TF-169	5.5	5.4	6.5	7.7	6.4	5.7	6.3	6.3	7.4	5.9	6.3
LTP-F5DPDR	5.5	5.4	6.5	7.7	6.5	5.8	6.2	6.3	7.4	6.0	6.3
* GRANDE 3	5.5	5.4	6.5	7.7	6.4	5.7	6.3	6.3	7.4	5.9	6.3
LTP-TWUU	5.5	5.4	6.4	7.6	6.5	5.8	6.1	6.4	7.5	6.0	6.3
IS-TF-287	5.4	5.4	6.6	7.8	6.5	5.7	6.2	6.4	7.4	5.9	6.3
IS-TF 285	5.3	5.5	6.6	7.8	6.5	5.7	6.0	6.4	7.4	6.0	6.3
IS-TF 307 SEL	5.5	5.4	6.4	7.6	6.5	5.8	6.2	6.3	7.4	5.9	6.3
U45	5.4	5.4	6.4	7.6	6.5	5.8	6.1	6.4	7.4	6.0	6.3
DZ1	5.4	5.4	6.5	7.7	6.5	5.7	6.1	6.4	7.4	5.9	6.3
IS-TF 272	5.3	5.4	6.6	7.8	6.4	5.7	6.2	6.3	7.4	5.9	6.3
* TEMPTATION (OR-21)	5.4	5.4	6.6	7.8	6.4	5.7	6.3	6.3	7.3	5.9	6.3
* GTO (BURL TF-2)	5.5	5.4	6.4	7.6	6.5	5.8	6.2	6.3	7.4	5.9	6.3
IS-TF 330	5.3	5.4	6.5	7.7	6.5	5.7	6.0	6.4	7.4	5.9	6.3

NAME	NC1	GA1	MS1	TN1	KY1	IL1	IA1	MO1	AR1	NE1	MEAN
PSG-WE1	5.4	5.4	6.4	7.6	6.5	5.8	6.1	6.3	7.4	6.0	6.3
* FAITH	5.4	5.4	6.4	7.6	6.5	5.7	6.1	6.3	7.4	5.9	6.3
RZ2	5.6	5.3	6.3	7.5	6.5	5.8	6.3	6.3	7.4	5.9	6.3
PST-5BRK	5.4	5.4	6.5	7.7	6.3	5.7	6.3	6.2	7.3	5.9	6.3
PST-5GRB	5.5	5.4	6.5	7.6	6.4	5.7	6.3	6.2	7.4	5.9	6.3
* HOT ROD (BURL TF-136)	5.4	5.4	6.4	7.6	6.5	5.7	6.1	6.3	7.4	5.9	6.3
* FALCON V	5.4	5.4	6.5	7.7	6.4	5.7	6.1	6.3	7.4	5.9	6.3
IS-TF 276 M2	5.4	5.4	6.6	7.7	6.3	5.6	6.3	6.2	7.3	5.8	6.3
PPG-TF-115	5.3	5.4	6.6	7.7	6.4	5.6	6.2	6.3	7.3	5.9	6.3
ATF 1704	5.4	5.3	6.5	7.6	6.3	5.7	6.3	6.2	7.3	5.9	6.3
IS-TF 282 M2	5.3	5.4	6.5	7.7	6.4	5.7	6.1	6.3	7.3	5.9	6.3
TD1	5.2	5.4	6.6	7.8	6.4	5.6	6.0	6.3	7.3	5.9	6.2
* HEMI	5.4	5.3	6.4	7.6	6.5	5.7	6.0	6.3	7.4	5.9	6.2
DB1	5.1	5.4	6.6	7.8	6.5	5.6	5.8	6.4	7.3	5.9	6.2
PPG-TF-148	5.3	5.4	6.5	7.7	6.5	5.7	6.0	6.3	7.3	5.9	6.2
* CAESAR (TY 10)	5.3	5.4	6.5	7.7	6.4	5.6	6.1	6.3	7.3	5.8	6.2
PST-5RO5	5.3	5.4	6.5	7.7	6.3	5.6	6.2	6.2	7.3	5.8	6.2
PST-5EV2	5.5	5.3	6.3	7.5	6.3	5.7	6.4	6.1	7.3	5.8	6.2
ATF 1754	5.3	5.3	6.4	7.6	6.4	5.7	6.1	6.2	7.3	5.9	6.2
IS-TF 308 SEL	5.3	5.3	6.4	7.6	6.4	5.7	6.0	6.3	7.3	5.9	6.2
ATF 1736	5.3	5.3	6.5	7.6	6.4	5.6	6.1	6.2	7.3	5.8	6.2
IS-TF 305 SEL	5.4	5.3	6.4	7.6	6.4	5.7	6.2	6.2	7.3	5.8	6.2
ATF 1612	5.4	5.3	6.3	7.5	6.5	5.7	6.1	6.3	7.4	5.9	6.2
* SALTILLO (PST-5SALT)	5.4	5.3	6.4	7.6	6.3	5.6	6.3	6.1	7.3	5.8	6.2
PST-5BPO	5.5	5.3	6.4	7.6	6.2	5.6	6.5	6.1	7.3	5.8	6.2
PST-5MVD	5.3	5.3	6.5	7.6	6.3	5.6	6.1	6.2	7.3	5.8	6.2
IS-TF 269 SEL	5.2	5.3	6.4	7.6	6.4	5.6	5.9	6.3	7.3	5.8	6.2
* FALCON IV	5.3	5.3	6.5	7.6	6.2	5.6	6.2	6.1	7.2	5.8	6.2
PPG-TF-139	5.3	5.3	6.3	7.5	6.4	5.7	6.0	6.2	7.3	5.8	6.2
PPG-TF-145	5.2	5.3	6.5	7.7	6.3	5.5	6.0	6.2	7.2	5.8	6.2
PSG-GSD	5.4	5.3	6.4	7.6	6.2	5.6	6.3	6.1	7.3	5.8	6.2
* BULLSEYE	5.3	5.3	6.3	7.5	6.5	5.7	5.9	6.3	7.3	5.9	6.2
K12-05	5.1	5.4	6.6	7.8	6.3	5.5	6.0	6.3	7.2	5.8	6.2
* FIREBIRD 2	5.3	5.3	6.3	7.5	6.5	5.6	5.9	6.3	7.3	5.9	6.2
MET 6 SEL	5.3	5.2	6.3	7.5	6.3	5.6	6.1	6.2	7.3	5.8	6.2
IS-TF 311	5.3	5.2	6.3	7.5	6.4	5.6	6.0	6.2	7.3	5.8	6.2
T31	5.3	5.2	6.3	7.5	6.3	5.6	6.0	6.2	7.3	5.8	6.2
IS-TF 284 M2	5.3	5.2	6.3	7.5	6.3	5.6	6.0	6.2	7.3	5.8	6.2
* INSPIRATION (PST-R5NW)	5.3	5.3	6.5	7.6	6.1	5.5	6.3	6.1	7.2	5.7	6.1
GO-DFR	5.2	5.3	6.4	7.6	6.3	5.5	6.0	6.2	7.2	5.7	6.1
* FRONTLINE (EXP TF-09)	5.2	5.3	6.4	7.6	6.2	5.5	6.2	6.1	7.2	5.7	6.1
RAD-TF-89	5.0	5.3	6.4	7.6	6.5	5.5	5.6	6.3	7.2	5.8	6.1
JS 818	5.2	5.2	6.4	7.5	6.2	5.5	6.0	6.1	7.2	5.7	6.1
* RAIN DANCE (PST-5SDT)	5.3	5.2	6.4	7.5	6.1	5.5	6.3	6.0	7.1	5.7	6.1
PST-5EX2	5.3	5.2	6.4	7.6	6.1	5.5	6.3	6.0	7.1	5.7	6.1
PST-5DZP	5.2	5.2	6.4	7.6	6.2	5.5	6.0	6.1	7.2	5.7	6.1
JS 916	5.2	5.2	6.3	7.5	6.3	5.5	6.0	6.1	7.2	5.7	6.1

NAME	NC1	GA1	MS1	TN1	KY1	IL1	IA1	MO1	AR1	NE1	MEAN
RAD-TF-88	5.0	5.3	6.4	7.6	6.4	5.5	5.6	6.3	7.2	5.8	6.1
PSG-8BP2	5.2	5.2	6.3	7.5	6.1	5.5	6.1	6.0	7.1	5.6	6.1
RAD-TF-92	4.9	5.2	6.4	7.6	6.3	5.4	5.6	6.2	7.1	5.7	6.1
BURL TF-69	5.1	5.1	6.2	7.4	6.3	5.5	5.7	6.1	7.1	5.7	6.0
PPG-TF-142	5.1	5.1	6.2	7.4	6.2	5.4	5.9	6.0	7.1	5.6	6.0
JS 819	4.9	5.2	6.4	7.6	6.1	5.3	5.8	6.0	7.0	5.6	6.0
RAD-TF-83	4.8	5.2	6.4	7.6	6.2	5.3	5.6	6.1	7.0	5.6	6.0
JS 809	5.0	5.1	6.3	7.5	6.0	5.3	5.9	6.0	7.0	5.5	6.0
BAR FA 121089	5.0	5.1	6.3	7.5	6.0	5.3	6.0	5.9	7.0	5.5	6.0
PSG-TT4	5.1	5.1	6.2	7.4	6.0	5.3	6.0	5.9	7.0	5.5	6.0
* AQUADUCT	5.1	5.1	6.3	7.4	5.9	5.3	6.2	5.8	7.0	5.5	6.0
BAR FA 121095	5.0	5.1	6.2	7.4	6.1	5.3	5.8	6.0	7.0	5.6	6.0
JS 825	5.0	5.1	6.3	7.5	5.9	5.2	6.0	5.9	6.9	5.5	5.9
204 RES. BLK4	4.8	5.1	6.4	7.6	6.0	5.2	5.6	6.0	6.9	5.5	5.9
* WARHAWK	4.8	5.2	6.4	7.6	5.9	5.1	5.8	5.9	6.8	5.4	5.9
* ANNIHILATOR LEDEBOER	4.7	5.1	6.4	7.6	5.9	5.1	5.6	5.9	6.8	5.4	5.9
BAR FA 121091	4.9	4.9	6.1	7.3	5.8	5.1	5.8	5.7	6.8	5.3	5.8
COMP. RES. SST	4.5	5.0	6.2	7.4	6.0	5.0	5.3	5.9	6.8	5.4	5.8
K12-13	4.6	4.9	6.2	7.4	5.8	5.0	5.5	5.8	6.7	5.3	5.7
* MARAUDER	4.5	4.9	6.2	7.4	5.8	4.9	5.4	5.8	6.7	5.3	5.7
BAR FA 120878	4.7	4.7	5.9	7.1	5.4	4.8	5.9	5.3	6.5	5.0	5.5
* KY-31	3.9	3.5	4.7	5.9	4.1	3.8	5.2	4.1	5.4	3.9	4.4
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. (%)	9.2	9.2	7.6	6.4	7.7	8.7	8.0	7.8	6.7	8.4	7.9

*   COMMERCIALLY AVAILABLE IN THE USA IN 2014

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

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

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

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                TABLE 2.    TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  1/
                         GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2  */
                                       2013 DATA
                         TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF  2/


        NAME                      NJ1     NJ2     IN1     UT1     MEAN

        REGENERATE                6.4     6.7     6.9     7.1     6.8
        ZW 44                     6.5     6.3     6.9     6.9     6.7
        U43                       6.5     6.3     6.9     6.8     6.6
        B23                       6.3     6.2     6.8     6.9     6.5
        W45                       6.4     6.2     6.8     6.7     6.5
        CCR2                      6.4     6.0     6.8     6.7     6.5
        PPG-TF-156                6.3     6.0     6.8     6.8     6.5
        PPG-TF-137                6.4     5.8     6.8     6.7     6.4
        PPG-TF-105                6.4     5.9     6.7     6.6     6.4
        PICK-W43                  6.4     5.9     6.7     6.5     6.4
        SRX-TPC                   6.3     5.8     6.8     6.7     6.4
        MET 1                     6.4     5.9     6.7     6.5     6.4
        RAD-TF-89                 5.8     6.1     6.6     6.9     6.3
        PPG-TF-152                6.5     5.8     6.7     6.4     6.3
        IS-TF 289                 6.2     5.9     6.7     6.6     6.3
        FESNOVA                   6.2     5.8     6.7     6.6     6.3
        IS-TF 291                 6.2     5.9     6.6     6.5     6.3
        RHAMBLER 2 SRP (LSD)      6.3     5.8     6.6     6.5     6.3
        PPG-TF-150                6.4     5.9     6.6     6.4     6.3
        IS-TF 310 SEL             6.0     5.7     6.7     6.8     6.3
        PPG-TF-157                6.3     5.6     6.7     6.5     6.3
        DB1                       5.7     5.8     6.7     7.0     6.3
        IS-TF 285                 6.0     5.7     6.7     6.8     6.3
        PPG-TF-170                6.3     5.7     6.6     6.5     6.3
        BIZEM                     6.2     5.7     6.6     6.5     6.3
        U45                       6.2     5.8     6.6     6.5     6.3
        PSG-WE1                   6.2     5.8     6.6     6.5     6.3
        RAD-TF-88                 5.7     5.9     6.6     6.9     6.2
        HEMI                      6.2     5.8     6.5     6.4     6.2
        F711                      6.4     5.6     6.6     6.3     6.2
        FIREBIRD 2                6.1     5.9     6.5     6.5     6.2
        LTP-TWUU                  6.3     5.7     6.6     6.4     6.2
        BULLSEYE                  6.1     5.8     6.5     6.5     6.2
        PSG-PO1                   6.0     5.6     6.7     6.7     6.2
        MET-3                     6.4     5.6     6.6     6.3     6.2
        IS-TF 330                 6.0     5.6     6.6     6.6     6.2
        PPG-TF-148                5.9     5.6     6.6     6.6     6.2
        DZ1                       6.1     5.6     6.6     6.5     6.2
        PPG-TF-172                6.3     5.5     6.6     6.3     6.2
        HOT ROD (BURL TF-136)     6.1     5.6     6.5     6.4     6.2
        RAD-TF-92                 5.6     5.8     6.5     6.8     6.2
        W41                       6.1     5.5     6.6     6.5     6.2
        FAITH                     6.2     5.6     6.5     6.4     6.2
        PPG-TF-135                6.2     5.5     6.5     6.3     6.2
        ATF 1612                  6.2     5.7     6.4     6.2     6.2
        GTO (BURL TF-2)           6.2     5.6     6.5     6.3     6.1
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                    TABLE 2.    TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  1/
                              GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2  */
                                        2013 DATA
                            TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF  2/


        NAME                           NJ1      NJ2      IN1      UT1      MEAN


        PPG-TF-151                     6.2      5.5      6.5      6.3      6.1
        LTP-F5DPDR                     6.2      5.5      6.5      6.3      6.1
        IS-TF 269 SEL                  5.9      5.5      6.5      6.5      6.1
        IS-TF 307 SEL                  6.2      5.4      6.5      6.2      6.1
        IS-TF-287                      6.0      5.3      6.6      6.5      6.1
        TD1                            5.8      5.4      6.6      6.6      6.1
        CATALYST                       6.0      5.3      6.6      6.5      6.1
        PPG-TF-138                     6.0      5.3      6.6      6.5      6.1
        IS-TF 308 SEL                  6.0      5.4      6.5      6.4      6.1
        FALCON V                       6.0      5.4      6.5      6.4      6.1
        IS-TF 282 M2                   6.0      5.4      6.5      6.4      6.1
        BURL TF-69                     5.8      5.6      6.4      6.4      6.1
        RZ2                            6.4      5.4      6.4      6.0      6.1
        PPG-TF-139                     6.1      5.4      6.4      6.3      6.0
        IS-TF 272                      5.9      5.1      6.5      6.4      6.0
        LTP-FSD                        6.1      5.2      6.5      6.3      6.0
        IS-TF 311                      6.0      5.4      6.4      6.2      6.0
        RAD-TF-83                      5.4      5.4      6.5      6.8      6.0
        GRANDE 3                       6.1      5.1      6.5      6.2      6.0
        ATF 1754                       6.0      5.2      6.4      6.3      6.0
        IS-TF 284 M2                   6.0      5.3      6.4      6.3      6.0
        MET 6 SEL                      6.1      5.3      6.4      6.1      6.0
        T31                            6.0      5.3      6.4      6.2      6.0
        TERRANO                        6.2      5.0      6.5      6.2      6.0
        IS-TF 305 SEL                  6.1      5.2      6.4      6.2      6.0
        ATF 1736                       6.0      5.2      6.4      6.3      6.0
        PPG-TF-169                     6.1      5.0      6.5      6.2      6.0
        CAESAR (TY 10)                 5.9      5.1      6.5      6.4      5.9
        K12-05                         5.6      5.0      6.5      6.6      5.9
        PPG-TF-145                     5.7      5.0      6.5      6.4      5.9
        JS 916                         5.9      5.2      6.3      6.1      5.9
        PST-5GRB                       6.1      5.0      6.4      6.1      5.9
        TEMPTATION (OR-21)             5.9      4.9      6.5      6.3      5.9
        PPG-TF-115                     5.9      4.9      6.4      6.3      5.9
        K12-MCD                        6.1      4.7      6.5      6.2      5.9
        GO-DFR                         5.8      5.0      6.4      6.3      5.9
        PST-5MVD                       5.9      4.9      6.4      6.2      5.9
        ATF 1704                       6.1      4.9      6.4      6.0      5.8
        JS 818                         5.8      5.0      6.3      6.2      5.8
        PST-5RO5                       5.9      4.8      6.4      6.2      5.8
        PST-5BRK                       6.0      4.8      6.4      6.1      5.8
        IS-TF 276 M2                   5.9      4.8      6.4      6.2      5.8
        PST-5DZP                       5.8      4.9      6.3      6.2      5.8
        PPG-TF-142                     5.8      5.0      6.2      6.1      5.8
        PST-5EV2                       6.3      4.8      6.2      5.7      5.8
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                 TABLE 2.      TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  1/
                          GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2  */
                                        2013 DATA
                          TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF  2/


              NAME                          NJ1     NJ2     IN1     UT1     MEAN

              SALTILLO (PST-5SALT)          6.0     4.7     6.3     5.9     5.7
              COMP. RES. SST                5.0     5.0     6.3     6.6     5.7
              FALCON IV                     5.9     4.7     6.3     6.0     5.7
              BAR FA 121095                 5.6     4.9     6.2     6.2     5.7
              PSG-GSD                       6.0     4.6     6.2     5.9     5.7
              204 RES. BLK4                 5.2     4.8     6.3     6.4     5.7
              JS 819                        5.5     4.7     6.3     6.3     5.7
              FRONTLINE (EXP TF-09)         5.8     4.5     6.2     6.0     5.6
              PSG-8BP2                      5.8     4.5     6.2     5.9     5.6
              JS 809                        5.5     4.5     6.2     6.1     5.6
              ANNIHILATOR LEDEBOER          5.0     4.4     6.2     6.4     5.5
              INSPIRATION (PST-R5NW)        5.7     4.2     6.2     5.9     5.5
              PST-5BPO                      6.1     4.2     6.1     5.6     5.5
              PSG-TT4                       5.6     4.4     6.1     5.8     5.5
              K12-13                        5.1     4.5     6.1     6.2     5.5
              MARAUDER                      4.9     4.5     6.1     6.3     5.4
              PST-5EX2                      5.8     4.1     6.1     5.7     5.4
              RAIN DANCE (PST-5SDT)         5.9     4.1     6.1     5.6     5.4
              BAR FA 121089                 5.5     4.1     6.1     5.9     5.4
              WARHAWK                       5.1     4.1     6.1     6.2     5.4
              JS 825                        5.4     4.0     6.0     5.8     5.3
              AQUADUCT                      5.6     3.8     5.9     5.5     5.2
              BAR FA 121091                 5.4     4.0     5.9     5.6     5.2
              BAR FA 120878                 5.1     2.8     5.4     4.9     4.5
              KY-31                         4.2     1.0     4.0     3.0     3.1

              LSD VALUE                     0.8     0.8     0.8     0.8     0.8
              C.V. (%)                      8.2     9.4     7.6     7.7     8.2
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    INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND
    MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

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

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

TABLE 3.   TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2013 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	MD1	VA1	OK1	MEAN
PPG-TF-152	6.5	6.8	7.0	6.1	6.6
F711	6.4	6.6	6.9	6.3	6.5
RZ2	6.4	6.7	6.8	6.3	6.5
PPG-TF-150	6.4	6.8	6.9	6.0	6.5
U43	6.5	6.9	7.0	5.7	6.5
PICK-W43	6.4	6.7	6.9	6.0	6.5
MET-3	6.4	6.6	6.8	6.2	6.5
PST-5EV2	6.3	6.3	6.7	6.7	6.5
ZW 44	6.5	6.8	7.0	5.6	6.5
PPG-TF-105	6.4	6.7	6.9	5.8	6.4
MET 1	6.4	6.6	6.8	5.9	6.4
PPG-TF-172	6.3	6.5	6.8	6.1	6.4
PPG-TF-157	6.3	6.4	6.8	6.1	6.4
RHAMBLER 2 SRP (LSD)	6.3	6.6	6.8	5.8	6.4
CCR2	6.4	6.6	6.8	5.8	6.4
W45	6.4	6.7	6.9	5.6	6.4
PPG-TF-137	6.4	6.5	6.8	5.9	6.4
SRX-TPC	6.3	6.4	6.7	5.9	6.3
PPG-TF-151	6.2	6.4	6.7	6.1	6.3
IS-TF 307 SEL	6.2	6.4	6.7	6.0	6.3
PST-5BPO	6.1	5.8	6.4	7.0	6.3
LTP-TWUU	6.3	6.5	6.7	5.8	6.3
ATF 1612	6.2	6.6	6.7	5.7	6.3
GTO (BURL TF-2)	6.2	6.4	6.7	5.9	6.3
TERRANO	6.2	6.0	6.5	6.5	6.3
PPG-TF-170	6.3	6.4	6.7	5.8	6.3
LTP-F5DPDR	6.2	6.3	6.6	6.0	6.3
PPG-TF-135	6.2	6.4	6.7	5.9	6.3
PPG-TF-156	6.3	6.5	6.7	5.6	6.3
REGENERATE	6.4	6.8	6.9	5.0	6.3
PST-5GRB	6.1	6.1	6.5	6.3	6.3
IS-TF 291	6.2	6.5	6.7	5.6	6.3
BIZEM	6.2	6.3	6.6	5.8	6.2
K12-MCD	6.1	5.8	6.4	6.6	6.2
ATF 1704	6.1	6.0	6.5	6.4	6.2
PSG-WE1	6.2	6.4	6.7	5.6	6.2
B23	6.3	6.5	6.7	5.4	6.2
LTP-FSD	6.1	6.1	6.5	6.2	6.2
HEMI	6.2	6.5	6.7	5.5	6.2
FESNOVA	6.2	6.3	6.6	5.7	6.2
FAITH	6.2	6.3	6.6	5.8	6.2
PPG-TF-169	6.1	6.0	6.5	6.3	6.2
U45	6.2	6.4	6.6	5.6	6.2
MET 6 SEL	6.1	6.2	6.5	5.9	6.2
GRANDE 3	6.1	6.0	6.5	6.2	6.2

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NAME	CT1	MD1	VA1	OK1	MEAN
SALTILLO (PST-5SALT)	6.0	5.9	6.4	6.5	6.2
IS-TF 305 SEL	6.1	6.1	6.5	6.0	6.2
HOT ROD (BURL TF-136)	6.1	6.3	6.6	5.7	6.2
PST-5BRK	6.0	5.8	6.4	6.4	6.2
IS-TF 289	6.2	6.4	6.6	5.5	6.2
W41	6.1	6.1	6.5	5.8	6.1
PSG-GSD	6.0	5.8	6.3	6.4	6.1
PPG-TF-139	6.1	6.2	6.5	5.7	6.1
IS-TF 311	6.0	6.2	6.5	5.7	6.1
FALCON V	6.0	6.0	6.4	5.8	6.1
BULLSEYE	6.1	6.4	6.6	5.3	6.1
ATF 1754	6.0	6.0	6.4	5.9	6.1
RAIN DANCE (PST-5SDT)	5.9	5.5	6.2	6.7	6.1
T31	6.0	6.1	6.4	5.7	6.1
CATALYST	6.0	5.9	6.4	5.9	6.1
DZ1	6.1	6.1	6.5	5.6	6.0
FIREBIRD 2	6.1	6.3	6.5	5.2	6.0
ATF 1736	6.0	5.9	6.4	5.9	6.0
IS-TF 308 SEL	6.0	6.0	6.4	5.6	6.0
FALCON IV	5.9	5.6	6.2	6.3	6.0
IS-TF-287	6.0	5.9	6.4	5.8	6.0
IS-TF 284 M2	6.0	6.0	6.4	5.7	6.0
JS 916	5.9	6.0	6.3	5.7	6.0
PST-5RO5	5.9	5.7	6.3	6.1	6.0
IS-TF 276 M2	5.9	5.6	6.2	6.2	6.0
PSG-PO1	6.0	5.9	6.4	5.6	6.0
IS-TF 330	6.0	6.0	6.4	5.5	6.0
IS-TF 282 M2	6.0	5.9	6.4	5.7	6.0
PPG-TF-138	6.0	5.8	6.3	5.8	6.0
PST-5MVD	5.9	5.7	6.3	6.0	6.0
PPG-TF-115	5.9	5.6	6.2	6.0	6.0
TEMPTATION (OR-21)	5.9	5.6	6.2	6.1	6.0
PST-5EX2	5.8	5.3	6.1	6.6	5.9
IS-TF 272	5.9	5.7	6.3	5.8	5.9
IS-TF 310 SEL	6.0	5.9	6.4	5.4	5.9
PPG-TF-148	5.9	5.9	6.4	5.3	5.9
PSG-8BP2	5.8	5.5	6.1	6.2	5.9
CAESAR (TY 10)	5.9	5.6	6.2	5.8	5.9
INSPIRATION (PST-R5NW)	5.7	5.3	6.0	6.4	5.9
IS-TF 285	6.0	5.9	6.4	5.2	5.9
JS 818	5.8	5.7	6.2	5.7	5.9
FRONTLINE (EXP TF-O9)	5.8	5.4	6.1	6.2	5.9
PPG-TF-142	5.8	5.8	6.2	5.6	5.8
IS-TF 269 SEL	5.9	5.9	6.3	5.3	5.8

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            TABLE 3.    TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  1/
            (CONT'D)    GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3  */
                                        2013 DATA
                        TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF  2/


            NAME                      CT1     MD1     VA1     OK1     MEAN

            PST-5DZP                  5.8     5.6     6.1     5.8     5.8
            AQUADUCT                  5.6     5.1     5.9     6.6     5.8
            BURL TF-69                5.8     6.0     6.3     5.0     5.8
            GO-DFR                    5.8     5.6     6.1     5.7     5.8
            PSG-TT4                   5.6     5.4     6.0     6.0     5.8
            TD1                       5.8     5.6     6.2     5.4     5.7
            PPG-TF-145                5.7     5.4     6.1     5.6     5.7
            RAD-TF-89                 5.8     5.9     6.2     4.5     5.6
            DB1                       5.7     5.6     6.1     4.8     5.6
            BAR FA 121095             5.6     5.3     5.9     5.4     5.5
            JS 825                    5.4     4.9     5.7     6.1     5.5
            BAR FA 121089             5.5     4.9     5.7     6.0     5.5
            JS 809                    5.5     5.0     5.8     5.6     5.5
            K12-05                    5.6     5.1     5.9     5.4     5.5
            RAD-TF-88                 5.7     5.6     6.1     4.5     5.5
            BAR FA 121091             5.4     4.9     5.6     5.9     5.4
            RAD-TF-92                 5.6     5.6     6.0     4.5     5.4
            JS 819                    5.5     5.0     5.8     5.4     5.4
            BAR FA 120878             5.1     4.3     5.3     6.6     5.3
            RAD-TF-83                 5.4     5.0     5.7     4.5     5.1
            204 RES. BLK4             5.2     4.7     5.5     4.9     5.1
            WARHAWK                   5.1     4.2     5.3     5.4     5.0
            K12-13                    5.1     4.5     5.3     4.8     4.9
            ANNIHILATOR LEDEBOER      5.0     4.3     5.3     4.9     4.9
            COMP. RES. SST            5.0     4.5     5.3     4.3     4.8
            MARAUDER                  4.9     4.3     5.2     4.6     4.8
            KY-31                     4.2     3.5     4.4     6.8     4.7


            LSD VALUE                 0.8     0.8     0.8     0.8     0.8
            C.V. (%)                  8.2     8.3     7.7     8.5     8.2
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*   ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS
    INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND
    MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2013 DATA

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

NAME	AR1	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	OK1	TN1	MEAN
U43	7.6	5.9	6.4	7.4	6.3	6.0	6.1	7.2	6.3	5.2	7.8	6.6
ZW 44	7.4	6.5	6.1	7.4	6.4	5.2	6.2	7.1	5.9	5.7	7.8	6.5
REGENERATE	7.6	5.2	7.3	7.1	6.5	5.0	6.0	7.8	6.7	4.9	7.6	6.5
PPG-TF-105	7.3	5.1	6.7	6.7	6.6	6.1	6.0	6.8	6.5	5.9	7.8	6.5
W45	7.6	5.9	6.2	6.9	6.5	5.2	6.1	7.3	6.3	5.9	7.8	6.5
PPG-TF-152	7.5	5.7	5.8	6.7	6.5	6.2	5.8	6.9	6.2	6.2	7.9	6.5
PICK-W43	7.7	5.5	6.5	7.3	6.2	5.6	6.2	6.6	6.0	5.9	7.7	6.5
F711	8.0	5.8	6.3	7.0	6.5	6.3	5.9	6.7	5.0	5.9	7.8	6.5
MET-3	7.6	6.0	5.9	6.3	6.6	6.4	6.0	6.9	5.5	6.1	7.6	6.5
SRX-TPC	7.8	5.6	6.5	6.5	6.4	5.4	6.3	6.4	6.0	6.0	7.9	6.5
B23	7.5	5.8	6.6	6.7	6.5	5.4	6.2	6.7	6.5	5.2	7.9	6.4
PPG-TF-150	7.4	6.1	6.3	6.6	6.5	5.3	6.0	7.4	5.8	5.8	7.6	6.4
RHAMBLER 2 SRP (LSD)	7.3	5.6	6.4	6.8	6.3	5.6	6.1	6.7	6.0	5.8	7.9	6.4
MET 1	7.4	5.3	6.5	6.6	6.8	5.8	6.1	6.9	5.8	5.6	7.6	6.4
PPG-TF-137	7.5	5.9	6.8	6.6	6.8	5.7	6.1	6.7	5.2	5.5	7.6	6.4
LTP-TWUU	7.5	5.2	6.6	6.7	6.5	5.7	6.0	6.6	6.1	5.7	7.6	6.4
IS-TF 289	7.3	5.5	6.4	6.0	6.5	5.3	6.0	6.9	6.0	6.0	7.9	6.4
CCR2	7.8	5.2	6.3	6.4	6.4	5.3	6.0	6.8	5.9	6.0	7.7	6.3
PPG-TF-157	7.6	5.0	6.5	6.1	6.4	5.2	6.0	6.1	6.2	6.6	8.0	6.3
PPG-TF-151	7.2	5.5	6.2	6.4	6.6	6.4	5.7	6.2	5.8	6.1	7.6	6.3
IS-TF 291	7.7	5.1	6.3	6.6	6.7	4.9	6.0	6.5	6.4	5.6	7.9	6.3
U45	7.6	5.5	6.2	6.5	6.4	5.3	6.0	6.7	5.7	5.7	7.7	6.3
RZ2	7.5	4.6	6.1	6.5	6.4	6.3	6.0	6.9	5.5	6.2	7.4	6.3
PST-5EV2	7.8	5.4	6.2	6.0	6.4	5.7	5.8	6.1	5.3	6.9	7.6	6.3
PPG-TF-170	7.4	5.8	6.1	6.4	6.5	5.1	6.0	6.4	6.0	5.8	7.6	6.3
PPG-TF-172	7.3	5.3	5.9	6.1	6.5	6.3	6.0	6.4	5.5	6.0	7.8	6.3
PPG-TF-156	7.8	5.6	5.8	6.3	6.6	5.3	6.3	6.7	5.6	5.4	7.7	6.3
GTO (BURL TF-2)	7.0	5.6	6.4	6.0	6.5	5.9	6.0	6.8	5.5	5.8	7.4	6.3
ATF 1612	7.4	5.5	6.1	6.0	6.3	5.2	6.0	7.4	5.5	5.9	7.6	6.3
FESNOVA	7.8	5.4	6.3	6.0	6.5	5.5	6.0	6.3	5.8	5.6	7.8	6.3
LTP-F5DPDR	7.4	5.8	5.9	6.4	6.6	5.6	6.0	6.3	5.4	5.9	7.5	6.3
BIZEM	7.6	5.5	6.2	6.3	6.4	5.7	6.0	6.5	5.1	5.8	7.6	6.2
PPG-TF-139	7.9	4.9	6.2	6.2	6.6	5.4	5.9	6.3	5.6	5.8	7.9	6.2
TERRANO	7.3	5.6	6.4	6.5	6.4	5.5	5.9	4.9	5.5	6.8	7.6	6.2
HOT ROD (BURL TF-136)	7.0	5.1	6.4	6.7	6.7	5.9	6.1	6.2	5.6	5.4	7.3	6.2
PPG-TF-135	7.4	5.5	6.2	6.7	6.5	5.6	6.1	6.3	5.1	5.4	7.5	6.2
FAITH	7.2	5.3	6.1	6.2	6.5	5.4	5.9	6.3	5.6	5.9	7.6	6.2
PSG-WE1	7.6	5.2	5.7	6.3	6.5	5.4	6.0	6.8	5.4	5.5	7.6	6.2
PST-5GRB	7.4	5.5	6.3	5.7	6.4	5.7	6.1	5.7	5.0	6.5	7.6	6.2
FIREBIRD 2	7.4	5.4	6.0	6.0	6.5	5.0	5.8	6.9	5.8	5.4	7.7	6.2
HEMI	7.4	5.4	5.9	6.3	6.5	5.2	6.0	7.1	5.3	5.2	7.5	6.2
BULLSEYE	7.5	5.0	6.3	6.2	6.3	4.6	5.9	6.9	5.9	5.4	7.7	6.2
LTP-FSD	7.6	5.3	6.4	6.0	6.5	5.4	5.9	5.5	5.3	6.1	7.7	6.2
GRANDE 3	7.7	5.5	6.3	6.3	6.5	5.7	5.7	5.6	4.8	6.0	7.7	6.1

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2013 DATA

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

NAME	AR1	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	OK1	TN1	MEAN
IS-TF 305 SEL	7.7	5.3	6.0	6.0	6.5	5.1	5.6	6.1	5.2	6.4	7.7	6.1
IS-TF 307 SEL	7.5	5.3	5.8	6.0	6.6	5.0	5.9	6.7	4.8	6.3	7.8	6.1
IS-TF 284 M2	7.3	5.2	5.7	5.8	6.6	5.2	5.9	6.2	5.6	6.3	7.9	6.1
IS-TF 285	7.2	5.6	5.8	6.2	6.5	5.3	5.8	5.4	6.3	5.5	7.8	6.1
IS-TF 330	7.6	5.0	5.7	5.7	6.6	5.2	6.0	6.0	5.8	5.9	7.9	6.1
IS-TF 311	7.5	5.3	5.3	6.0	6.4	5.4	5.8	6.2	5.6	6.1	7.6	6.1
W41	7.1	5.9	6.6	5.7	6.3	4.5	5.9	6.2	5.2	5.9	7.7	6.1
IS-TF 310 SEL	7.1	5.8	5.2	5.7	6.5	5.3	6.0	5.6	5.9	6.1	7.9	6.1
PPG-TF-169	7.4	5.5	6.4	6.0	6.5	5.7	6.1	5.1	5.0	5.8	7.4	6.1
DZ1	7.0	5.2	6.3	5.7	6.3	5.2	6.0	5.9	5.8	5.7	7.7	6.1
IS-TF 269 SEL	7.1	4.8	6.0	6.0	6.4	5.1	5.8	5.6	6.3	5.8	8.0	6.1
IS-TF 308 SEL	7.5	5.2	5.6	6.1	6.6	5.5	6.1	5.8	5.0	5.5	7.7	6.1
ATF 1704	7.4	5.6	6.1	5.5	6.5	6.1	5.9	5.4	4.8	6.0	7.4	6.1
CATALYST	7.2	4.9	7.1	6.4	6.7	6.3	6.0	5.1	4.6	4.9	7.4	6.1
IS-TF 272	7.5	5.6	5.8	6.4	6.7	5.1	5.9	4.9	4.8	6.2	7.8	6.1
FALCON V	7.3	5.4	6.0	5.7	6.5	6.0	5.9	5.8	5.0	5.5	7.5	6.1
TD1	7.2	5.4	6.4	5.1	6.6	5.4	5.7	5.1	6.3	5.8	7.7	6.1
IS-TF 282 M2	7.9	5.3	5.3	5.8	6.7	4.7	5.6	5.6	5.6	6.4	7.9	6.1
ATF 1754	7.5	5.6	6.7	5.9	6.4	5.4	5.9	5.5	5.1	5.4	7.3	6.1
IS-TF 276 M2	7.0	5.2	6.6	5.9	6.4	6.1	5.8	4.3	5.3	6.1	7.9	6.0
K12-MCD	7.6	4.8	7.2	5.6	6.6	5.3	6.0	4.6	4.9	6.5	7.6	6.0
PST-5BRK	7.4	5.2	6.5	6.2	6.4	5.3	5.9	4.5	5.1	6.2	7.6	6.0
CAESAR (TY 10)	7.5	5.4	5.8	5.4	6.8	5.5	5.7	5.1	5.2	6.3	7.8	6.0
MET 6 SEL	7.5	5.0	5.7	6.0	6.3	5.5	6.1	6.2	5.0	5.6	7.4	6.0
IS-TF-287	7.7	5.5	5.9	6.2	6.1	5.2	5.7	4.9	5.5	5.7	7.7	6.0
ATF 1736	7.6	5.5	6.1	6.0	6.6	4.9	6.0	5.3	5.0	5.7	7.4	6.0
JS 916	7.5	4.9	5.7	6.0	6.3	5.0	6.0	5.8	5.3	6.1	7.6	6.0
T31	7.5	4.5	5.4	6.6	6.6	5.5	5.9	5.6	5.4	5.6	7.5	6.0
PST-5BPO	7.3	5.5	6.7	6.0	6.4	5.4	5.6	4.6	4.0	6.8	7.5	6.0
PSG-PO1	7.7	5.1	5.7	6.0	6.3	5.3	6.0	5.2	5.6	5.3	7.7	6.0
PSG-GSD	7.3	5.4	6.6	5.7	6.4	5.4	5.9	5.1	4.6	6.0	7.6	6.0
SALTILLO (PST-5SALT)	7.3	4.5	6.5	6.3	6.3	5.3	5.8	4.8	4.8	6.6	7.6	6.0
RAD-TF-89	6.9	6.0	6.0	6.0	6.6	5.1	5.6	6.4	5.7	4.1	7.6	6.0
PPG-TF-138	7.2	5.7	5.4	6.2	6.4	5.2	5.9	4.8	5.2	5.9	7.8	6.0
TEMPTATION (OR-21)	7.1	5.0	6.4	5.2	6.6	5.6	5.8	4.6	5.2	6.4	8.0	6.0
RAD-TF-92	7.3	5.9	6.1	5.4	6.5	4.8	5.9	5.8	5.6	4.5	7.6	5.9
BURL TF-69	6.8	5.3	5.7	6.0	6.5	5.2	6.0	6.2	5.5	4.4	7.7	5.9
FRONTLINE (EXP TF-09)	7.2	5.3	6.6	5.6	6.5	5.3	5.6	4.2	4.9	6.2	7.8	5.9
PPG-TF-148	7.1	4.8	5.8	6.2	6.5	5.3	6.0	5.3	5.6	5.0	7.6	5.9
PST-5MVD	7.5	5.2	6.3	6.0	6.3	4.8	6.0	4.7	5.0	5.8	7.5	5.9
PPG-TF-142	7.3	4.9	5.5	5.6	6.6	4.8	5.9	5.9	4.8	6.0	7.9	5.9
RAD-TF-88	7.0	5.9	5.8	6.0	6.6	5.1	5.8	5.3	6.1	3.8	7.8	5.9
PPG-TF-115	7.4	5.3	5.2	6.1	6.5	5.0	5.8	4.3	5.3	6.4	7.7	5.9
PPG-TF-145	7.6	5.9	5.6	5.5	6.4	4.9	5.7	4.8	4.9	5.9	7.9	5.9
FALCON IV	7.2	5.1	6.7	5.5	6.3	5.3	5.9	4.7	4.5	6.1	7.5	5.9

TABLE 4. (CONT'D)   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2013 DATA

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

NAME	AR1	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	OK1	TN1	MEAN
PST-5RO5	7.5	5.0	5.8	5.8	6.5	4.9	5.9	4.7	4.5	6.2	7.9	5.9
DB1	7.0	5.3	5.9	5.3	6.4	5.2	5.8	5.2	5.8	4.9	7.7	5.9
JS 818	6.6	5.0	6.5	5.9	6.2	5.1	5.7	5.1	5.1	5.8	7.6	5.9
GO-DFR	7.0	5.4	6.2	4.7	6.3	4.7	5.8	5.4	4.9	6.1	7.9	5.9
PST-5DZP	7.0	5.6	5.3	5.7	6.4	4.9	5.7	4.9	4.9	6.2	7.5	5.8
RAIN DANCE (PST-5SDT)	6.6	5.4	6.6	5.4	6.5	5.5	5.7	4.3	4.1	6.8	7.2	5.8
INSPIRATION (PST-R5NW)	7.0	5.4	6.1	5.5	6.4	5.2	5.9	3.7	4.2	6.5	7.6	5.8
K12-05	7.0	5.4	5.3	4.8	6.6	5.1	5.8	3.9	5.7	5.9	7.8	5.8
PSG-8BP2	7.0	4.7	5.8	5.2	6.3	4.7	5.6	4.5	4.5	6.5	7.6	5.7
PST-5EX2	7.3	5.3	6.2	5.5	6.4	5.4	5.6	3.8	3.5	6.2	7.3	5.7
BAR FA 121095	7.2	4.8	5.8	5.1	6.3	4.2	5.7	4.9	4.7	5.9	7.4	5.6
JS 809	6.0	5.5	6.5	5.2	6.3	5.0	5.6	3.8	4.7	5.5	7.7	5.6
AQUADUCT	6.7	5.1	5.9	5.3	6.4	5.5	5.6	3.4	3.8	6.6	7.4	5.6
PSG-TT4	7.0	4.5	5.8	5.4	6.3	5.5	5.4	4.3	4.2	5.7	7.5	5.6
JS 819	6.7	5.0	6.1	5.0	6.5	5.0	5.8	3.7	5.0	5.4	7.4	5.6
RAD-TF-83	6.8	5.4	5.1	4.6	6.4	4.9	5.7	4.4	5.6	4.7	7.6	5.6
BAR FA 121089	7.2	5.4	5.7	5.3	6.2	4.6	5.4	3.2	4.3	6.3	7.4	5.5
JS 825	7.0	5.1	6.7	4.7	6.2	4.7	5.2	3.4	4.3	6.1	7.4	5.5
204 RES. BLK4	6.7	6.0	6.3	4.7	6.6	5.0	5.7	3.8	4.0	4.3	7.7	5.5
K12-13	7.1	5.4	4.8	5.0	6.2	4.4	5.3	3.3	4.4	5.3	7.6	5.3
BAR FA 121091	6.9	5.1	5.6	5.2	6.0	4.6	5.6	3.7	3.0	5.6	7.5	5.3
COMP. RES. SST	6.8	4.8	5.7	4.5	6.5	5.2	5.4	3.5	4.7	3.6	7.2	5.3
WARHAWK	7.1	4.2	6.1	4.0	6.5	5.2	5.4	2.2	4.0	5.5	7.7	5.3
ANNIHILATOR LEDEBOER	7.2	5.1	6.0	3.9	6.3	4.8	5.3	2.6	4.2	4.5	7.4	5.2
MARAUDER	7.1	4.6	5.4	4.1	6.2	5.0	5.2	2.9	4.3	4.1	7.5	5.1
BAR FA 120878	6.7	4.9	5.7	4.3	6.0	4.6	5.1	1.9	2.5	6.4	6.9	5.0
KY-31	4.8	4.4	5.8	3.1	4.9	3.4	3.8	1.1	1.3	6.7	6.4	4.2
LSD VALUE	0.6	1.0	1.1	0.9	0.3	1.0	0.3	1.3	0.9	0.7	0.3	0.3
C.V. (%)	5.2	11.4	11.1	9.2	2.8	11.8	3.1	15.1	10.4	7.9	2.3	8.6

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

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

*   SCHEDULE A (MEDIUM MAINTENANCE)
   1.   MOWING HEIGHT: 2.0" TO 3.0"
   2.   NITROGEN RATE: 0.25 - 0.5 LBS. N/1000 SQ. FT./GROWING MONTH (USE 3-6 APPLICATIONS PER YEAR - NOT MONTHLY APPLICATIONS)
   3.   IRRIGATION: 80 - 95% POTENTIAL ET;
   4.   FUNGICIDE AND INSECTICIDE USE ONLY IF SEVERE STAND LOSS IS POSSIBLE
   5.   WEED CONTROL TO PREVENT STAND LOSS

TABLE 5.   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
                   GROWN AT SIX LOCATIONS IN THE U.S. 1/
                   MAINTAINED USING "SCHEDULE B" *
                              2013 DATA

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
U43	7.0	5.8	6.9	6.8	7.0	7.0	6.7
PPG-TF-156	7.1	5.9	6.8	6.5	6.8	7.0	6.7
CCR2	6.5	6.0	6.8	6.7	6.8	7.2	6.7
ZW 44	6.7	5.8	6.9	6.6	7.0	7.1	6.7
PPG-TF-152	6.4	6.2	6.6	6.7	6.5	7.1	6.6
PPG-TF-150	6.8	5.9	6.7	6.7	6.4	7.0	6.6
PSG-PO1	6.9	6.0	6.7	6.5	6.8	6.8	6.6
MET 1	6.0	6.2	6.6	6.7	6.6	7.2	6.6
REGENERATE	6.2	5.8	7.1	6.8	6.7	6.7	6.5
PPG-TF-172	6.3	6.0	6.7	6.7	6.2	7.3	6.5
PPG-TF-157	7.1	5.6	6.6	6.4	6.8	6.6	6.5
PPG-TF-137	6.1	6.0	6.9	6.7	6.4	7.0	6.5
B23	6.0	6.0	7.0	6.9	6.6	6.6	6.5
PPG-TF-170	6.7	5.8	6.8	6.8	6.2	6.7	6.5
W45	5.6	5.9	7.0	6.6	7.3	6.6	6.5
PICK-W43	6.7	6.2	6.7	6.5	6.4	6.5	6.5
PPG-TF-148	6.5	5.5	6.5	6.7	6.5	7.1	6.5
HEMI	6.6	5.7	6.6	6.7	6.4	6.8	6.5
PSG-WE1	6.4	5.9	6.4	6.5	6.7	6.8	6.5
FESNOVA	6.5	5.3	6.7	6.5	6.7	7.0	6.4
IS-TF 291	6.5	5.5	6.6	6.9	6.3	7.0	6.4
W41	6.1	6.2	6.6	6.6	6.5	6.7	6.4
PPG-TF-135	6.3	6.2	6.7	6.5	6.5	6.5	6.4
MET 6 SEL	6.2	6.0	6.7	6.7	6.3	6.8	6.4
IS-TF 307 SEL	5.9	5.8	6.7	6.5	6.6	7.3	6.4
RZ2	6.3	6.0	6.4	6.8	6.1	6.9	6.4
PPG-TF-169	5.9	5.7	6.6	6.7	6.5	7.2	6.4
DZ1	6.3	5.6	6.6	6.5	6.7	6.7	6.4
K12-MCD	6.6	5.9	6.5	6.5	6.3	6.6	6.4
PPG-TF-105	6.5	5.8	6.7	6.7	6.1	6.6	6.4
RHAMBLER 2 SRP (LSD)	6.5	5.9	6.4	6.8	6.0	6.6	6.4
SRX-TPC	6.1	6.0	6.7	6.6	6.1	6.6	6.4
PPG-TF-138	6.5	5.6	6.4	6.5	6.6	6.6	6.4
F711	6.3	5.9	6.4	6.5	6.2	6.7	6.3
CATALYST	5.8	6.2	6.5	6.5	6.3	6.7	6.3
BIZEM	6.1	6.3	6.7	6.6	5.9	6.3	6.3
IS-TF-287	6.5	5.8	6.6	6.3	6.0	6.8	6.3
IS-TF 310 SEL	5.9	6.0	6.7	6.5	6.6	6.3	6.3
MET-3	6.4	5.6	6.5	6.5	6.2	6.7	6.3
FALCON V	6.2	5.7	6.8	6.5	5.8	6.9	6.3
LTP-FSD	6.1	5.8	6.5	6.3	6.6	6.5	6.3
LTP-F5DPDR	6.5	6.0	6.6	6.4	6.2	6.1	6.3
PPG-TF-115	6.0	5.6	6.6	6.4	6.5	6.7	6.3
FAITH	6.2	5.6	6.4	6.3	6.3	6.9	6.3

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
GTO (BURL TF-2)	6.0	6.2	6.3	6.2	6.4	6.6	6.3
T31	6.0	5.6	6.3	6.8	6.3	6.6	6.3
ATF 1704	6.8	5.5	6.2	6.4	6.0	6.7	6.3
ATF 1612	6.2	5.8	6.3	6.6	6.2	6.5	6.3
BULLSEYE	5.9	6.0	6.3	6.4	6.4	6.5	6.3
LTP-TWUU	6.5	5.2	6.3	6.5	6.6	6.4	6.3
DB1	6.1	6.0	6.4	6.7	6.4	5.8	6.2
PST-5RO5	5.8	6.0	6.4	6.5	6.0	6.9	6.2
IS-TF 330	6.6	5.7	6.7	6.5	6.3	5.8	6.2
IS-TF 308 SEL	5.6	5.7	6.5	6.7	6.0	7.0	6.2
ATF 1754	6.1	5.5	6.3	6.8	5.9	6.9	6.2
TERRANO	5.8	6.0	6.6	6.3	6.6	6.2	6.2
ATF 1736	6.3	5.7	6.4	6.4	6.1	6.4	6.2
IS-TF 285	6.2	5.7	6.4	6.6	6.2	6.1	6.2
GRANDE 3	6.4	5.5	6.2	6.6	6.7	5.8	6.2
HOT ROD (BURL TF-136)	6.1	5.9	6.1	6.6	6.2	6.4	6.2
PPG-TF-151	6.4	5.6	6.6	6.3	6.0	6.4	6.2
PST-5MVD	5.9	5.5	6.5	6.6	6.4	6.3	6.2
RAD-TF-88	5.9	5.3	6.9	6.3	6.6	6.1	6.2
PSG-GSD	6.5	5.7	6.5	6.2	6.3	5.9	6.2
RAD-TF-89	5.3	5.4	6.9	6.4	6.8	6.3	6.2
U45	5.8	5.7	6.3	6.5	6.5	6.4	6.2
PST-5BRK	6.6	5.7	5.9	6.1	6.3	6.5	6.2
BURL TF-69	5.9	5.6	6.6	6.4	5.7	7.0	6.2
FIREBIRD 2	5.8	5.5	6.6	6.3	6.0	6.8	6.2
PST-5GRB	6.0	5.5	6.7	6.4	5.9	6.4	6.2
FALCON IV	6.1	5.5	6.4	6.3	6.3	6.1	6.1
IS-TF 289	5.9	5.4	6.9	6.4	6.0	6.2	6.1
PST-5EV2	5.9	5.7	6.2	6.4	5.9	6.6	6.1
IS-TF 305 SEL	5.7	5.7	6.6	6.5	6.0	6.2	6.1
SALTILLO (PST-5SALT)	5.7	6.0	6.3	6.2	6.1	6.4	6.1
IS-TF 282 M2	5.8	5.4	6.3	6.2	6.1	6.8	6.1
TEMPTATION (OR-21)	6.1	5.4	6.0	6.4	6.3	6.3	6.1
IS-TF 311	6.3	5.7	6.1	6.2	6.1	6.2	6.1
PST-5BPO	6.1	5.8	6.2	6.1	6.0	6.2	6.1
IS-TF 269 SEL	5.9	5.8	6.9	6.3	6.0	5.6	6.1
PSG-8BP2	6.4	5.7	6.2	6.0	6.2	5.9	6.1
PST-5EX2	5.9	5.8	6.1	6.3	6.0	6.3	6.1
JS 818	6.1	5.6	6.5	6.2	6.0	5.8	6.0
TD1	5.6	5.8	6.5	6.3	6.7	5.4	6.0
K12-05	5.7	5.6	6.6	6.2	6.4	5.7	6.0
JS 916	4.8	5.5	6.2	6.4	6.4	6.9	6.0
PPG-TF-139	5.0	5.7	6.6	6.3	6.0	6.5	6.0
IS-TF 276 M2	5.6	5.7	6.2	6.2	6.1	6.2	6.0
GO-DFR	5.5	5.6	6.4	6.3	6.1	6.0	6.0

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

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
PPG-TF-145	5.5	5.3	6.7	6.3	6.3	5.8	6.0
PST-5DZP	5.6	5.9	6.3	6.0	5.9	6.1	6.0
IS-TF 272	5.7	5.2	6.3	6.8	6.1	5.8	6.0
PSG-TT4	5.7	5.5	6.1	6.0	6.2	6.4	6.0
RAD-TF-83	5.1	5.5	6.6	6.5	6.1	5.9	5.9
INSPIRATION (PST-R5NW)	5.8	5.3	6.1	6.0	6.2	6.2	5.9
RAIN DANCE (PST-5SDT)	5.8	5.7	5.9	6.0	6.0	6.0	5.9
CAESAR (TY 10)	5.4	5.4	6.2	6.1	6.3	6.0	5.9
IS-TF 284 M2	5.9	5.2	6.3	6.1	6.2	5.6	5.9
PPG-TF-142	5.3	5.0	6.5	6.0	6.7	5.7	5.9
RAD-TF-92	4.5	5.4	6.8	6.2	5.9	6.1	5.8
JS 819	5.4	5.1	6.0	6.2	6.2	5.9	5.8
BAR FA 121095	5.3	5.5	6.2	5.9	6.3	5.6	5.8
FRONTLINE (EXP TF-09)	5.1	5.7	6.1	6.3	5.8	5.8	5.8
JS 809	5.5	5.1	6.1	6.4	5.9	5.6	5.8
BAR FA 121089	5.4	5.5	6.3	5.9	6.0	5.1	5.7
AQUADUCT	5.4	5.7	5.8	5.9	5.6	5.8	5.7
ANNIHILATOR LEDEBOER	5.5	5.1	6.0	5.8	6.0	5.5	5.7
COMP. RES. SST	5.3	5.1	5.9	6.0	6.0	5.5	5.7
BAR FA 121091	5.0	5.3	5.9	6.0	5.9	5.8	5.7
JS 825	5.5	5.3	5.8	6.0	5.8	5.4	5.6
MARAUDER	5.2	5.1	6.1	6.0	5.5	5.4	5.5
WARHAWK	5.1	4.7	6.6	5.8	5.7	5.5	5.5
204 RES. BLK4	5.0	4.7	6.1	6.0	5.4	5.7	5.5
K12-13	4.3	4.8	6.4	5.8	5.8	4.9	5.3
BAR FA 120878	5.4	4.9	5.5	5.3	5.5	5.0	5.3
KY-31	3.7	3.1	4.3	4.0	4.3	4.9	4.0
LSD VALUE	0.9	0.6	0.5	0.4	0.7	0.8	0.3
C.V. (%)	9.5	6.3	5.0	4.0	6.5	8.0	6.7

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

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

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

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2013 DATA

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

NAME	CT1	NJ1	NJ2	MEAN	NAME	CT1	NJ1	NJ2	MEAN
REGENERATE	6.2	7.8	6.7	6.9	PSG-PO1	6.9	5.2	5.6	5.9
U43	7.0	7.2	6.3	6.8	W41	6.1	6.2	5.2	5.8
PPG-TF-150	6.8	7.4	5.8	6.7	BURL TF-69	5.9	6.2	5.5	5.8
PPG-TF-105	6.5	6.8	6.5	6.6	PPG-TF-148	6.5	5.3	5.6	5.8
ZW 44	6.7	7.1	5.9	6.6	MET 6 SEL	6.2	6.2	5.0	5.8
PPG-TF-152	6.4	6.9	6.2	6.5	RAD-TF-89	5.3	6.4	5.7	5.8
PPG-TF-156	7.1	6.7	5.6	6.5	IS-TF 310 SEL	5.9	5.6	5.9	5.8
PPG-TF-157	7.1	6.1	6.2	6.5	IS-TF 307 SEL	5.9	6.7	4.8	5.8
IS-TF 291	6.5	6.5	6.4	6.5	RAD-TF-88	5.9	5.3	6.1	5.8
B23	6.0	6.7	6.5	6.4	PST-5EV2	5.9	6.1	5.3	5.7
PICK-W43	6.7	6.6	6.0	6.4	DB1	6.1	5.2	5.8	5.7
RHAMBLER 2 SRP (LSD)	6.5	6.7	6.0	6.4	FALCON V	6.2	5.8	5.0	5.7
CCR2	6.5	6.8	5.9	6.4	TD1	5.6	5.1	6.3	5.7
LTP-TWUU	6.5	6.6	6.1	6.4	PPG-TF-139	5.0	6.3	5.6	5.7
W45	5.6	7.3	6.3	6.4	IS-TF 305 SEL	5.7	6.1	5.2	5.6
PPG-TF-170	6.7	6.4	6.0	6.4	ATF 1704	6.8	5.4	4.8	5.6
ATF 1612	6.2	7.4	5.5	6.4	IS-TF 282 M2	5.8	5.6	5.6	5.6
IS-TF 289	5.9	6.9	6.0	6.3	LTP-FSD	6.1	5.5	5.3	5.6
HEMI	6.6	7.1	5.3	6.3	IS-TF-287	6.5	4.9	5.5	5.6
MET-3	6.4	6.9	5.5	6.3	T31	6.0	5.6	5.4	5.6
MET 1	6.0	6.9	5.8	6.3	PST-5GRB	6.0	5.7	5.0	5.6
BULLSEYE	5.9	6.9	5.9	6.2	GRANDE 3	6.4	5.6	4.8	5.6
RZ2	6.3	6.9	5.5	6.2	ATF 1754	6.1	5.5	5.1	5.6
FESNOVA	6.5	6.3	5.8	6.2	ATF 1736	6.3	5.3	5.0	5.5
PSG-WE1	6.4	6.8	5.4	6.2	IS-TF 308 SEL	5.6	5.8	5.0	5.5
FIREBIRD 2	5.8	6.9	5.8	6.2	PPG-TF-138	6.5	4.8	5.2	5.5
SRX-TPC	6.1	6.4	6.0	6.2	JS 818	6.1	5.1	5.1	5.4
IS-TF 330	6.6	6.0	5.8	6.1	PST-5BRK	6.6	4.5	5.1	5.4
PPG-TF-151	6.4	6.2	5.8	6.1	TERRANO	5.8	4.9	5.5	5.4
GTO (BURL TF-2)	6.0	6.8	5.5	6.1	PSG-GSD	6.5	5.1	4.6	5.4
PPG-TF-172	6.3	6.4	5.5	6.1	PPG-TF-142	5.3	5.9	4.8	5.4
LTP-F5DPDR	6.5	6.3	5.4	6.1	K12-MCD	6.6	4.6	4.9	5.3
U45	5.8	6.7	5.7	6.1	PPG-TF-169	5.9	5.1	5.0	5.3
FAITH	6.2	6.3	5.6	6.1	RAD-TF-92	4.5	5.8	5.6	5.3
F711	6.3	6.7	5.0	6.0	JS 916	4.8	5.8	5.3	5.3
DZ1	6.3	5.9	5.8	6.0	TEMPTATION (OR-21)	6.1	4.6	5.2	5.3
IS-TF 311	6.3	6.2	5.6	6.0	GO-DFR	5.5	5.4	4.9	5.3
PPG-TF-137	6.1	6.7	5.2	6.0	CAESAR (TY 10)	5.4	5.1	5.2	5.2
IS-TF 285	6.2	5.4	6.3	6.0	PST-5MVD	5.9	4.7	5.0	5.2
HOT ROD (BURL TF-136)	6.1	6.2	5.6	6.0	CATALYST	5.8	5.1	4.6	5.2
BIZEM	6.1	6.5	5.1	5.9	PPG-TF-115	6.0	4.3	5.3	5.2
IS-TF 269 SEL	5.9	5.6	6.3	5.9	PSG-8BP2	6.4	4.5	4.5	5.2
PPG-TF-135	6.3	6.3	5.1	5.9	IS-TF 272	5.7	4.9	4.8	5.1
IS-TF 284 M2	5.9	6.2	5.6	5.9	SALTILLO (PST-5SALT)	5.7	4.8	4.8	5.1
					FALCON IV	6.1	4.7	4.5	5.1

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TABLE 6.        MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D)                        GROWN AT THREE LOCATIONS  1/
                                IN THE NORTHEAST REGION
                                      2013 DATA

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

                NAME                      CT1     NJ1     NJ2     MEAN

                PST-5DZP                  5.6     4.9     4.9     5.1
                K12-05                    5.7     3.9     5.7     5.1
                RAD-TF-83                 5.1     4.4     5.6     5.1
                IS-TF 276 M2              5.6     4.3     5.3     5.1
                PPG-TF-145                5.5     4.8     4.9     5.0
                PST-5RO5                  5.8     4.7     4.5     5.0
                BAR FA 121095             5.3     4.9     4.7     5.0
                PST-5BPO                  6.1     4.6     4.0     4.9
                FRONTLINE (EXP TF-O9)     5.1     4.2     4.9     4.7
                PSG-TT4                   5.7     4.3     4.2     4.7
                RAIN DANCE (PST-5SDT)     5.8     4.3     4.1     4.7
                JS 819                    5.4     3.7     5.0     4.7
                JS 809                    5.5     3.8     4.7     4.6
                INSPIRATION (PST-R5NW)    5.8     3.7     4.2     4.5
                COMP. RES. SST            5.3     3.5     4.7     4.5
                PST-5EX2                  5.9     3.8     3.5     4.4
                JS 825                    5.5     3.4     4.3     4.4
                BAR FA 121089             5.4     3.2     4.3     4.3
                204 RES. BLK4             5.0     3.8     4.0     4.3
                AQUADUCT                  5.4     3.4     3.8     4.2
                MARAUDER                  5.2     2.9     4.3     4.1
                ANNIHILATOR LEDEBOER      5.5     2.6     4.2     4.1
                K12-13                    4.3     3.3     4.4     4.0
                BAR FA 121091             5.0     3.7     3.0     3.9
                WARHAWK                   5.1     2.2     4.0     3.8
                BAR FA 120878             5.4     1.9     2.5     3.3
                KY-31                     3.7     1.1     1.3     2.0


                LSD VALUE                 0.9     1.3     0.9     0.6
                C.V. (%)                  9.5    15.1    10.4    11.8
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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 7.   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
             GROWN AT SEVEN LOCATIONS 1/
             IN THE TRANSITION REGION
             2013 DATA
       TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AR1	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
U43	7.6	6.8	7.4	7.0	6.0	7.8	7.0	7.1
PPG-TF-152	7.5	6.7	6.7	6.5	6.2	7.9	7.1	6.9
F711	8.0	6.5	7.0	6.2	6.3	7.8	6.7	6.9
ZW 44	7.4	6.6	7.4	7.0	5.2	7.8	7.1	6.9
MET 1	7.4	6.7	6.6	6.6	5.8	7.6	7.2	6.9
W45	7.6	6.6	6.9	7.3	5.2	7.8	6.6	6.8
CCR2	7.8	6.7	6.4	6.8	5.3	7.7	7.2	6.8
PICK-W43	7.7	6.5	7.3	6.4	5.6	7.7	6.5	6.8
PPG-TF-172	7.3	6.7	6.1	6.2	6.3	7.8	7.3	6.8
REGENERATE	7.6	6.8	7.1	6.7	5.0	7.6	6.7	6.8
RZ2	7.5	6.8	6.5	6.1	6.3	7.4	6.9	6.8
MET-3	7.6	6.5	6.3	6.2	6.4	7.6	6.7	6.8
B23	7.5	6.9	6.7	6.6	5.4	7.9	6.6	6.8
PPG-TF-137	7.5	6.7	6.6	6.4	5.7	7.6	7.0	6.8
PPG-TF-156	7.8	6.5	6.3	6.8	5.3	7.7	7.0	6.8
PPG-TF-105	7.3	6.7	6.7	6.1	6.1	7.8	6.6	6.8
FESNOVA	7.8	6.5	6.0	6.7	5.5	7.8	7.0	6.7
IS-TF 291	7.7	6.9	6.6	6.3	4.9	7.9	7.0	6.7
PSG-WE1	7.6	6.5	6.3	6.7	5.4	7.6	6.8	6.7
SRX-TPC	7.8	6.6	6.5	6.1	5.4	7.9	6.6	6.7
PPG-TF-150	7.4	6.7	6.6	6.4	5.3	7.6	7.0	6.7
RHAMBLER 2 SRP (LSD)	7.3	6.8	6.8	6.0	5.6	7.9	6.6	6.7
LTP-TWUU	7.5	6.5	6.7	6.6	5.7	7.6	6.4	6.7
PPG-TF-169	7.4	6.7	6.0	6.5	5.7	7.4	7.2	6.7
T31	7.5	6.8	6.6	6.3	5.5	7.5	6.6	6.7
CATALYST	7.2	6.5	6.4	6.3	6.3	7.4	6.7	6.7
PPG-TF-157	7.6	6.4	6.1	6.8	5.2	8.0	6.6	6.7
PPG-TF-135	7.4	6.5	6.7	6.5	5.6	7.5	6.5	6.7
PSG-PO1	7.7	6.5	6.0	6.8	5.3	7.7	6.8	6.7
PPG-TF-148	7.1	6.7	6.2	6.5	5.3	7.6	7.1	6.7
IS-TF 307 SEL	7.5	6.5	6.0	6.6	5.0	7.8	7.3	6.7
GRANDE 3	7.7	6.6	6.3	6.7	5.7	7.7	5.8	6.6
IS-TF 308 SEL	7.5	6.7	6.1	6.0	5.5	7.7	7.0	6.6
PPG-TF-151	7.2	6.3	6.4	6.0	6.4	7.6	6.4	6.6
U45	7.6	6.5	6.5	6.5	5.3	7.7	6.4	6.6
HEMI	7.4	6.7	6.3	6.4	5.2	7.5	6.8	6.6
PPG-TF-170	7.4	6.8	6.4	6.2	5.1	7.6	6.7	6.6
PPG-TF-139	7.9	6.3	6.2	6.0	5.4	7.9	6.5	6.6
HOT ROD (BURL TF-136)	7.0	6.6	6.7	6.2	5.9	7.3	6.4	6.6
PST-5EV2	7.8	6.4	6.0	5.9	5.7	7.6	6.6	6.6
LTP-FSD	7.6	6.3	6.0	6.6	5.4	7.7	6.5	6.6
PPG-TF-138	7.2	6.5	6.2	6.6	5.2	7.8	6.6	6.6
MET 6 SEL	7.5	6.7	6.0	6.3	5.5	7.4	6.8	6.6
BIZEM	7.6	6.6	6.3	5.9	5.7	7.6	6.3	6.6

TABLE 7.   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D)   GROWN AT SEVEN LOCATIONS 1/
                         IN THE TRANSITION REGION
                              2013 DATA
           TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AR1	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
FAITH	7.2	6.3	6.2	6.3	5.4	7.6	6.9	6.6
TERRANO	7.3	6.3	6.5	6.6	5.5	7.6	6.2	6.6
IS-TF-287	7.7	6.3	6.2	6.0	5.2	7.7	6.8	6.6
JS 916	7.5	6.4	6.0	6.4	5.0	7.6	6.9	6.5
PPG-TF-115	7.4	6.4	6.1	6.5	5.0	7.7	6.7	6.5
LTP-F5DPDR	7.4	6.4	6.4	6.2	5.6	7.5	6.1	6.5
FALCON V	7.3	6.5	5.7	5.8	6.0	7.5	6.9	6.5
GTO (BURL TF-2)	7.0	6.2	6.0	6.4	5.9	7.4	6.6	6.5
ATF 1704	7.4	6.4	5.5	6.0	6.1	7.4	6.7	6.5
ATF 1754	7.5	6.8	5.9	5.9	5.4	7.3	6.9	6.5
IS-TF 285	7.2	6.6	6.2	6.2	5.3	7.8	6.1	6.5
K12-MCD	7.6	6.5	5.6	6.3	5.3	7.6	6.6	6.5
IS-TF 276 M2	7.0	6.2	5.9	6.1	6.1	7.9	6.2	6.5
DZ1	7.0	6.5	5.7	6.7	5.2	7.7	6.7	6.5
PST-5BRK	7.4	6.1	6.2	6.3	5.3	7.6	6.5	6.5
ATF 1612	7.4	6.6	6.0	6.2	5.2	7.6	6.5	6.5
IS-TF 272	7.5	6.8	6.4	6.1	5.1	7.8	5.8	6.5
IS-TF 310 SEL	7.1	6.5	5.7	6.6	5.3	7.9	6.3	6.5
PST-5RO5	7.5	6.5	5.8	6.0	4.9	7.9	6.9	6.5
IS-TF 282 M2	7.9	6.2	5.8	6.1	4.7	7.9	6.8	6.5
BULLSEYE	7.5	6.4	6.2	6.4	4.6	7.7	6.5	6.5
IS-TF 305 SEL	7.7	6.5	6.0	6.0	5.1	7.7	6.2	6.5
FIREBIRD 2	7.4	6.3	6.0	6.0	5.0	7.7	6.8	6.5
PST-5MVD	7.5	6.6	6.0	6.4	4.8	7.5	6.3	6.5
IS-TF 289	7.3	6.4	6.0	6.0	5.3	7.9	6.2	6.4
SALTILLO (PST-5SALT)	7.3	6.2	6.3	6.1	5.3	7.6	6.4	6.4
PST-5GRB	7.4	6.4	5.7	5.9	5.7	7.6	6.4	6.4
IS-TF 311	7.5	6.2	6.0	6.1	5.4	7.6	6.2	6.4
RAD-TF-89	6.9	6.4	6.0	6.8	5.1	7.6	6.3	6.4
RAD-TF-88	7.0	6.3	6.0	6.6	5.1	7.8	6.1	6.4
IS-TF 330	7.6	6.5	5.7	6.3	5.2	7.9	5.8	6.4
TEMPTATION (OR-21)	7.1	6.4	5.2	6.3	5.6	8.0	6.3	6.4
ATF 1736	7.6	6.4	6.0	6.1	4.9	7.4	6.4	6.4
W41	7.1	6.6	5.7	6.5	4.5	7.7	6.7	6.4
BURL TF-69	6.8	6.4	6.0	5.7	5.2	7.7	7.0	6.4
CAESAR (TY 10)	7.5	6.1	5.4	6.3	5.5	7.8	6.0	6.4
PST-5BPO	7.3	6.1	6.0	6.0	5.4	7.5	6.2	6.4
PSG-GSD	7.3	6.2	5.7	6.3	5.4	7.6	5.9	6.3
FALCON IV	7.2	6.3	5.5	6.3	5.3	7.5	6.1	6.3
PPG-TF-145	7.6	6.3	5.5	6.3	4.9	7.9	5.8	6.3
IS-TF 284 M2	7.3	6.1	5.8	6.2	5.2	7.9	5.6	6.3
DB1	7.0	6.7	5.3	6.4	5.2	7.7	5.8	6.3
PST-5EX2	7.3	6.3	5.5	6.0	5.4	7.3	6.3	6.3
PPG-TF-142	7.3	6.0	5.6	6.7	4.8	7.9	5.7	6.3
IS-TF 269 SEL	7.1	6.3	6.0	6.0	5.1	8.0	5.6	6.3

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TABLE 7.      MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D)                   GROWN AT SEVEN LOCATIONS  1/
                          IN THE TRANSITION REGION
                              2013 DATA


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


NAME                    AR1    KY1    MD1    MO1    NC1    TN1    VA1    MEAN

PSG-TT4                 7.0    6.0    5.4    6.2    5.5    7.5    6.4    6.3
TD1                     7.2    6.3    5.1    6.7    5.4    7.7    5.4    6.3
FRONTLINE (EXP TF-09)   7.2    6.3    5.6    5.8    5.3    7.8    5.8    6.3
INSPIRATION (PST-R5NW)  7.0    6.0    5.5    6.2    5.2    7.6    6.2    6.3
RAD-TF-92               7.3    6.2    5.4    5.9    4.8    7.6    6.1    6.2
PST-5DZP                7.0    6.0    5.7    5.9    4.9    7.5    6.1    6.2
JS 818                  6.6    6.2    5.9    6.0    5.1    7.6    5.8    6.2
K12-05                  7.0    6.2    4.8    6.4    5.1    7.8    5.7    6.1
RAIN DANCE (PST-5SDT)   6.6    6.0    5.4    6.0    5.5    7.2    6.0    6.1
GO-DFR                  7.0    6.3    4.7    6.1    4.7    7.9    6.0    6.1
PSG-8BP2                7.0    6.0    5.2    6.2    4.7    7.6    5.9    6.1
JS 819                  6.7    6.2    5.0    6.2    5.0    7.4    5.9    6.1
RAD-TF-83               6.8    6.5    4.6    6.1    4.9    7.6    5.9    6.1
AQUADUCT                6.7    5.9    5.3    5.6    5.5    7.4    5.8    6.0
BAR FA 121091           6.9    6.0    5.2    5.9    4.6    7.5    5.8    6.0
JS 809                  6.0    6.4    5.2    5.9    5.0    7.7    5.6    6.0
BAR FA 121095           7.2    5.9    5.1    6.3    4.2    7.4    5.6    6.0
BAR FA 121089           7.2    5.9    5.3    6.0    4.6    7.4    5.1    5.9
204 RES. BLK4           6.7    6.0    4.7    5.4    5.0    7.7    5.7    5.9
COMP. RES. SST          6.8    6.0    4.5    6.0    5.2    7.2    5.5    5.9
JS 825                  7.0    6.0    4.7    5.8    4.7    7.4    5.4    5.9
WARHAWK                 7.1    5.8    4.0    5.7    5.2    7.7    5.5    5.8
ANNIHILATOR LEDEBOER    7.2    5.8    3.9    6.0    4.8    7.4    5.5    5.8
K12-13                  7.1    5.8    5.0    5.8    4.4    7.6    4.9    5.8
MARAUDER                7.1    6.0    4.1    5.5    5.0    7.5    5.4    5.8
BAR FA 120878           6.7    5.3    4.3    5.5    4.6    6.9    5.0    5.5
KY-31                   4.8    4.0    3.1    4.3    3.4    6.4    4.9    4.4


LSD VALUE               0.6    0.4    0.9    0.7    1.0    0.3    0.8    0.3
C.V. (%)                5.2    4.0    9.2    6.5   11.8    2.3    8.0    6.8
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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE SOUTHEAST REGION
2013 DATA

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

NAME	GA1	MS1	MEAN	NAME	GA1	MS1	MEAN
ZW 44	6.5	6.4	6.4	IS-TF 307 SEL	5.3	6.6	5.9
PPG-TF-137	5.9	6.8	6.3	INSPIRATION (PST-R5NW)	5.4	6.4	5.9
204 RES. BLK4	6.0	6.6	6.3	RAD-TF-83	5.4	6.4	5.9
RAD-TF-89	6.0	6.6	6.3	RAIN DANCE (PST-5SDT)	5.4	6.5	5.9
PPG-TF-150	6.1	6.5	6.3	HEMI	5.4	6.5	5.9
MET-3	6.0	6.6	6.3	PPG-TF-115	5.3	6.5	5.9
RAD-TF-88	5.9	6.6	6.2	RHAMBLER 2 SRP (LSD)	5.6	6.3	5.9
RAD-TF-92	5.9	6.5	6.2	FESNOVA	5.4	6.5	5.9
LTP-F5DPDR	5.8	6.6	6.2	FIREBIRD 2	5.4	6.5	5.9
W45	5.9	6.5	6.2	ATF 1612	5.5	6.3	5.9
IS-TF 272	5.6	6.7	6.2	PSG-GSD	5.4	6.4	5.9
IS-TF 310 SEL	5.8	6.5	6.2	IS-TF 305 SEL	5.3	6.5	5.9
B23	5.8	6.5	6.1	BURL TF-69	5.3	6.5	5.9
PPG-TF-170	5.8	6.5	6.1	FRONTLINE (EXP TF-09)	5.3	6.5	5.9
F711	5.8	6.5	6.1	PST-5EV2	5.4	6.4	5.9
PPG-TF-145	5.9	6.4	6.1	PPG-TF-172	5.3	6.5	5.9
W41	5.9	6.3	6.1	JS 809	5.5	6.3	5.9
PPG-TF-152	5.7	6.5	6.1	LTP-FSD	5.3	6.5	5.9
PPG-TF-156	5.6	6.6	6.1	IS-TF 308 SEL	5.2	6.6	5.9
U43	5.9	6.3	6.1	FAITH	5.3	6.5	5.9
CAESAR (TY 10)	5.4	6.8	6.1	GO-DFR	5.4	6.3	5.9
ATF 1704	5.6	6.5	6.1	HOT ROD (BURL TF-136)	5.1	6.7	5.9
IS-TF 285	5.6	6.5	6.1	IS-TF 284 M2	5.2	6.6	5.9
PPG-TF-151	5.5	6.6	6.1	IS-TF 311	5.3	6.4	5.9
ATF 1736	5.5	6.6	6.0	DB1	5.3	6.4	5.9
GTO (BURL TF-2)	5.6	6.5	6.0	PICK-W43	5.5	6.2	5.9
MET 1	5.3	6.8	6.0	IS-TF 291	5.1	6.7	5.9
SRX-TPC	5.6	6.4	6.0	REGENERATE	5.2	6.5	5.8
PPG-TF-169	5.5	6.5	6.0	CCR2	5.2	6.4	5.8
PPG-TF-138	5.7	6.4	6.0	PSG-WE1	5.2	6.5	5.8
PST-5DZP	5.6	6.4	6.0	LTP-TWUU	5.2	6.5	5.8
K12-05	5.4	6.6	6.0	PPG-TF-105	5.1	6.6	5.8
IS-TF 282 M2	5.3	6.7	6.0	PST-5EX2	5.3	6.4	5.8
IS-TF 289	5.5	6.5	6.0	PST-5BRK	5.2	6.4	5.8
TERRANO	5.6	6.4	6.0	IS-TF 330	5.0	6.6	5.8
GRANDE 3	5.5	6.5	6.0	BAR FA 121089	5.4	6.2	5.8
ATF 1754	5.6	6.4	6.0	IS-TF 276 M2	5.2	6.4	5.8
PPG-TF-135	5.5	6.5	6.0	CATALYST	4.9	6.7	5.8
TD1	5.4	6.6	6.0	IS-TF-287	5.5	6.1	5.8
BIZEM	5.5	6.4	6.0	PST-5MVD	5.2	6.3	5.8
FALCON V	5.4	6.5	6.0	PPG-TF-139	4.9	6.6	5.8
PST-5GRB	5.5	6.4	6.0	K12-13	5.4	6.2	5.8
U45	5.5	6.4	6.0	DZ1	5.2	6.3	5.8
PST-5BPO	5.5	6.4	5.9	PPG-TF-142	4.9	6.6	5.8
				TEMPTATION (OR-21)	5.0	6.6	5.8

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

NAME	GA1	MS1	MEAN
PST-5RO5	5.0	6.5	5.8
ANNIHILATOR LEDEBOER	5.1	6.3	5.7
AQUADUCT	5.1	6.4	5.7
JS 819	5.0	6.5	5.7
PPG-TF-157	5.0	6.4	5.7
PSG-PO1	5.1	6.3	5.7
FALCON IV	5.1	6.3	5.7
K12-MCD	4.8	6.6	5.7
COMP. RES. SST	4.8	6.5	5.7
JS 825	5.1	6.2	5.7
BULLSEYE	5.0	6.3	5.6
PPG-TF-148	4.8	6.5	5.6
MET 6 SEL	5.0	6.3	5.6
JS 818	5.0	6.2	5.6
JS 916	4.9	6.3	5.6
IS-TF 269 SEL	4.8	6.4	5.6
BAR FA 121091	5.1	6.0	5.6
BAR FA 121095	4.8	6.3	5.6
T31	4.5	6.6	5.5
RZ2	4.6	6.4	5.5
PSG-8BP2	4.7	6.3	5.5
BAR FA 120878	4.9	6.0	5.4
PSG-TT4	4.5	6.3	5.4
SALTILLO (PST-5SALT)	4.5	6.3	5.4
MARAUDER	4.6	6.2	5.4
WARHAWK	4.2	6.5	5.3
KY-31	4.4	4.9	4.7
LSD VALUE	1.0	0.3	0.5
C.V. (%)	11.4	2.8	7.5

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

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

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TABLE 9.        MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
                        GROWN AT FOUR LOCATIONS   1/
                       IN THE NORTH CENTRAL REGION
                              2013 DATA

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


        NAME                    IA1    IL1    IN1    NE1    MEAN

        REGENERATE              7.3    5.8    7.1    6.0    6.5
        PPG-TF-137              6.8    6.0    6.9    6.1    6.5
        CATALYST                7.1    6.2    6.5    6.0    6.5
        B23                     6.6    6.0    7.0    6.2    6.4
        PICK-W43                6.5    6.2    6.7    6.2    6.4
        SRX-TPC                 6.5    6.0    6.7    6.3    6.4
        K12-MCD                 7.2    5.9    6.5    6.0    6.4
        MET 1                   6.5    6.2    6.6    6.1    6.3
        U43                     6.4    5.8    6.9    6.1    6.3
        PPG-TF-135              6.2    6.2    6.7    6.1    6.3
        W41                     6.6    6.2    6.6    5.9    6.3
        PPG-TF-105              6.7    5.8    6.7    6.0    6.3
        W45                     6.2    5.9    7.0    6.1    6.3
        BIZEM                   6.2    6.3    6.7    6.0    6.3
        CCR2                    6.3    6.0    6.8    6.0    6.3
        ZW 44                   6.1    5.8    6.9    6.2    6.3
        GTO (BURL TF-2)         6.4    6.2    6.3    6.0    6.2
        RHAMBLER 2 SRP (LSD)    6.4    5.9    6.4    6.1    6.2
        PPG-TF-150              6.3    5.9    6.7    6.0    6.2
        TERRANO                 6.4    6.0    6.6    5.9    6.2
        PPG-TF-156              5.8    5.9    6.8    6.3    6.2
        PPG-TF-169              6.4    5.7    6.6    6.1    6.2
        PPG-TF-157              6.5    5.6    6.6    6.0    6.2
        IS-TF 289               6.4    5.4    6.9    6.0    6.2
        LTP-FSD                 6.4    5.8    6.5    5.9    6.2
        PPG-TF-170              6.1    5.8    6.8    6.0    6.2
        PSG-GSD                 6.6    5.7    6.5    5.9    6.2
        PPG-TF-172              5.9    6.0    6.7    6.0    6.2
        PST-5GRB                6.3    5.5    6.7    6.1    6.1
        BULLSEYE                6.3    6.0    6.3    5.9    6.1
        FALCON IV               6.7    5.5    6.4    5.9    6.1
        LTP-F5DPDR              5.9    6.0    6.6    6.0    6.1
        SALTILLO (PST-5SALT)    6.5    6.0    6.3    5.8    6.1
        HOT ROD (BURL TF-136)   6.4    5.9    6.1    6.1    6.1
        MET 6 SEL               5.7    6.0    6.7    6.1    6.1
        F711                    6.3    5.9    6.4    5.9    6.1
        DZ1                     6.3    5.6    6.6    6.0    6.1
        IS-TF 269 SEL           6.0    5.8    6.9    5.8    6.1
        FALCON V                6.0    5.7    6.8    5.9    6.1
        RZ2                     6.1    6.0    6.4    6.0    6.1
        PPG-TF-152              5.8    6.2    6.6    5.8    6.1
        PSG-PO1                 5.7    6.0    6.7    6.0    6.1
        ATF 1754                6.7    5.5    6.3    5.9    6.1
        TD1                     6.4    5.8    6.5    5.7    6.1
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TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	NE1	MEAN
PST-5BPO	6.7	5.8	6.2	5.6	6.1
IS-TF 291	6.3	5.5	6.6	6.0	6.1
JS 818	6.5	5.6	6.5	5.7	6.1
PPG-TF-139	6.2	5.7	6.6	5.9	6.1
PST-5MVD	6.3	5.5	6.5	6.0	6.1
ATF 1612	6.1	5.8	6.3	6.0	6.1
FESNOVA	6.3	5.3	6.7	6.0	6.1
HEMI	5.9	5.7	6.6	6.0	6.1
U45	6.2	5.7	6.3	6.0	6.1
ATF 1736	6.1	5.7	6.4	6.0	6.1
RAD-TF-92	6.1	5.4	6.8	5.9	6.0
IS-TF 276 M2	6.6	5.7	6.2	5.8	6.0
DB1	5.9	6.0	6.4	5.8	6.0
LTP-TWUU	6.6	5.2	6.3	6.0	6.0
IS-TF 307 SEL	5.8	5.8	6.7	5.9	6.0
MET-3	5.9	5.6	6.5	6.0	6.0
IS-TF 330	5.7	5.7	6.7	6.0	6.0
FAITH	6.1	5.6	6.4	5.9	6.0
PST-5RO5	5.8	6.0	6.4	5.9	6.0
PPG-TF-151	6.2	5.6	6.6	5.7	6.0
GO-DFR	6.2	5.6	6.4	5.8	6.0
PSG-WE1	5.7	5.9	6.4	6.0	6.0
IS-TF-287	5.9	5.8	6.6	5.7	6.0
IS-TF 308 SEL	5.6	5.7	6.5	6.1	6.0
PST-5BRK	6.5	5.7	5.9	5.9	6.0
FRONTLINE (EXP TF-09)	6.6	5.7	6.1	5.6	6.0
BURL TF-69	5.7	5.6	6.6	6.0	6.0
RAD-TF-89	6.0	5.4	6.9	5.6	6.0
FIREBIRD 2	6.0	5.5	6.6	5.8	6.0
PST-5EV2	6.2	5.7	6.2	5.8	6.0
RAD-TF-88	5.8	5.3	6.9	5.8	6.0
IS-TF 310 SEL	5.2	6.0	6.7	6.0	6.0
IS-TF 305 SEL	6.0	5.7	6.6	5.6	6.0
RAIN DANCE (PST-5SDT)	6.6	5.7	5.9	5.7	6.0
PPG-TF-148	5.8	5.5	6.5	6.0	5.9
GRANDE 3	6.3	5.5	6.2	5.7	5.9
IS-TF 285	5.8	5.7	6.4	5.8	5.9
ATF 1704	6.1	5.5	6.2	5.9	5.9
TEMPTATION (OR-21)	6.4	5.4	6.0	5.8	5.9
PST-5EX2	6.2	5.8	6.1	5.6	5.9
PPG-TF-138	5.4	5.6	6.4	5.9	5.8
PPG-TF-145	5.6	5.3	6.7	5.7	5.8
JS 916	5.7	5.5	6.2	6.0	5.8
INSPIRATION (PST-R5NW)	6.1	5.3	6.1	5.9	5.8
JS 809	6.5	5.1	6.1	5.6	5.8

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

NAME	IA1	IL1	IN1	NE1	MEAN
PSG-8BP2	5.8	5.7	6.2	5.6	5.8
PST-5DZP	5.3	5.9	6.3	5.7	5.8
K12-05	5.3	5.6	6.6	5.8	5.8
PPG-TF-115	5.2	5.6	6.6	5.8	5.8
IS-TF 272	5.8	5.2	6.3	5.9	5.8
T31	5.4	5.6	6.3	5.9	5.8
BAR FA 121095	5.8	5.5	6.2	5.7	5.8
IS-TF 284 M2	5.7	5.2	6.3	5.9	5.8
JS 825	6.7	5.3	5.8	5.2	5.8
JS 819	6.1	5.1	6.0	5.8	5.8
CAESAR (TY 10)	5.8	5.4	6.2	5.7	5.8
AQUADUCT	5.9	5.7	5.8	5.6	5.8
BAR FA 121089	5.7	5.5	6.3	5.4	5.7
IS-TF 311	5.3	5.7	6.1	5.8	5.7
RAD-TF-83	5.1	5.5	6.6	5.7	5.7
PPG-TF-142	5.5	5.0	6.5	5.9	5.7
204 RES. BLK4	6.3	4.7	6.1	5.7	5.7
PSG-TT4	5.8	5.5	6.1	5.4	5.7
WARHAWK	6.1	4.7	6.6	5.4	5.7
IS-TF 282 M2	5.3	5.4	6.3	5.6	5.6
ANNIHILATOR LEDEBOER	6.0	5.1	6.0	5.3	5.6
BAR FA 121091	5.6	5.3	5.9	5.6	5.6
COMP. RES. SST	5.7	5.1	5.9	5.4	5.5
MARAUDER	5.4	5.1	6.1	5.2	5.5
K12-13	4.8	4.8	6.4	5.3	5.3
BAR FA 120878	5.7	4.9	5.5	5.1	5.3
KY-31	5.8	3.1	4.3	3.8	4.3
LSD VALUE	1.1	0.6	0.5	0.3	0.3
C.V. (%)	11.1	6.3	5.0	3.1	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 10.   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH
                             MONTH GROWN AT LOGAN, UT (UPPER WEST/MOUNTAIN REGION) 1/
                                              2013 DATA

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

NAME	AUG	SEP	OCT	MEAN	NAME	AUG	SEP	OCT	MEAN
ZW 44	7.7	8.0	6.7	7.4	PPG-TF-145	6.7	6.0	6.7	6.4
REGENERATE	8.0	7.0	7.0	7.3	RAD-TF-83	6.0	6.3	7.0	6.4
BIZEM	7.7	6.3	7.7	7.2	RAD-TF-89	5.7	7.0	6.7	6.4
IS-TF 310 SEL	7.7	7.3	6.7	7.2	W45	6.7	6.0	6.7	6.4
DB1	7.3	7.0	7.3	7.2	ANNIHILATOR LEDEBOER	7.0	5.7	6.7	6.4
IS-TF 272	8.0	7.0	6.7	7.2	COMP. RES. SST	7.3	5.0	7.0	6.4
CCR2	7.7	6.3	7.3	7.1	FALCON V	7.0	6.3	6.0	6.4
IS-TF 289	7.7	6.7	7.0	7.1	HEMI	7.0	6.0	6.3	6.4
IS-TF 282 M2	7.7	6.7	6.7	7.0	IS-TF 269 SEL	6.3	6.7	6.3	6.4
CAESAR (TY 10)	7.3	6.3	7.0	6.9	IS-TF 284 M2	6.3	6.3	6.7	6.4
PPG-TF-137	7.3	6.7	6.7	6.9	IS-TF 308 SEL	6.7	5.7	7.0	6.4
PPG-TF-157	7.0	6.7	7.0	6.9	IS-TF 311	6.7	6.0	6.7	6.4
PPG-TF-138	7.7	6.0	7.0	6.9	K12-05	6.7	5.7	7.0	6.4
PPG-TF-156	7.3	6.7	6.7	6.9	PPG-TF-151	6.7	6.0	6.7	6.4
U45	6.7	6.7	7.0	6.8	PSG-PO1	6.7	6.0	6.7	6.4
FESNOVA	7.3	6.3	6.7	6.8	PST-5RO5	7.0	5.7	6.7	6.4
IS-TF-287	7.3	6.3	6.7	6.8	ATF 1612	6.7	5.7	6.7	6.3
SRX-TPC	7.7	6.3	6.3	6.8	GRANDE 3	6.3	5.7	7.0	6.3
TEMPTATION (OR-21)	6.7	6.7	7.0	6.8	GTO (BURL TF-2)	6.3	6.0	6.7	6.3
BAR FA 121095	7.3	6.0	6.7	6.7	IS-TF 305 SEL	6.0	6.3	6.7	6.3
CATALYST	7.0	6.0	7.0	6.7	K12-13	6.3	6.3	6.3	6.3
F711	6.3	6.3	7.3	6.7	K12-MCD	6.7	6.0	6.3	6.3
FAITH	6.7	6.3	7.0	6.7	SALTILLO (PST-5SALT)	6.7	5.3	7.0	6.3
FIREBIRD 2	6.7	6.3	7.0	6.7	ATF 1736	6.3	5.7	6.7	6.2
HOT ROD (BURL TF-136)	7.3	6.3	6.3	6.7	B23	6.3	6.0	6.3	6.2
IS-TF 285	6.7	6.0	7.3	6.7	JS 916	6.3	6.0	6.3	6.2
IS-TF 307 SEL	6.3	6.7	7.0	6.7	LTP-F5DPDR	6.7	5.0	7.0	6.2
IS-TF 330	6.7	6.7	6.7	6.7	LTP-TWUU	6.7	5.3	6.7	6.2
PICK-W43	6.7	6.3	7.0	6.7	MET-3	6.7	6.0	6.0	6.2
W41	7.3	6.3	6.3	6.7	PPG-TF-172	6.7	5.7	6.3	6.2
GO-DFR	7.0	6.7	6.0	6.6	TERRANO	6.3	5.3	7.0	6.2
PSG-WE1	7.0	6.0	6.7	6.6	PSG-8BP2	6.3	6.3	6.0	6.2
RHAMBLER 2 SRP (LSD)	6.7	6.3	6.7	6.6	ATF 1754	6.3	5.7	6.3	6.1
U43	6.7	6.0	7.0	6.6	IS-TF 291	6.0	6.0	6.3	6.1
WARHAWK	7.3	5.7	6.7	6.6	JS 819	6.0	6.3	6.0	6.1
204 RES. BLK4	7.0	5.3	7.3	6.6	LTP-FSD	7.3	5.3	5.7	6.1
DZ1	6.7	6.3	6.7	6.6	PPG-TF-115	7.0	5.3	6.0	6.1
PPG-TF-105	7.7	6.0	6.0	6.6	PPG-TF-135	6.7	5.7	6.0	6.1
PPG-TF-148	7.3	5.7	6.7	6.6	PPG-TF-152	6.3	5.7	6.3	6.1
PST-5DZP	7.3	6.0	6.3	6.6	PPG-TF-170	6.7	5.3	6.3	6.1
RAD-TF-92	7.0	6.0	6.7	6.6	PST-5BRK	6.0	5.7	6.7	6.1
BULLSEYE	7.0	6.0	6.3	6.4	TD1	6.7	6.0	5.7	6.1
JS 818	7.7	5.7	6.0	6.4	FALCON IV	6.7	5.3	6.0	6.0
MET 1	7.3	6.0	6.0	6.4	INSPIRATION (PST-R5NW)	6.7	5.3	6.0	6.0
					IS-TF 276 M2	6.3	5.7	6.0	6.0

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

NAME	AUG	SEP	OCT	MEAN
PST-5GRB	6.7	5.3	6.0	6.0
RZ2	6.7	5.0	6.3	6.0
ATF 1704	5.7	5.0	7.0	5.9
PPG-TF-139	6.7	5.3	5.7	5.9
PPG-TF-142	6.3	5.7	5.7	5.9
PPG-TF-150	5.7	5.3	6.7	5.9
RAIN DANCE (PST-5SDT)	6.3	5.3	6.0	5.9
T31	5.3	6.0	6.3	5.9
BAR FA 121091	6.0	5.7	6.0	5.9
JS 809	6.7	5.7	5.3	5.9
MARAUDER	7.0	4.7	6.0	5.9
PST-5EX2	7.0	4.7	6.0	5.9
PST-5MVD	6.0	5.0	6.7	5.9
BAR FA 121089	5.7	5.3	6.3	5.8
FRONTLINE (EXP TF-09)	5.7	6.0	5.7	5.8
PSG-TT4	5.3	5.7	6.3	5.8
BURL TF-69	5.0	5.7	6.3	5.7
JS 825	6.0	5.7	5.3	5.7
MET 6 SEL	6.3	4.7	6.0	5.7
PPG-TF-169	5.7	5.0	6.3	5.7
AQUADUCT	6.3	4.7	5.7	5.6
PST-5BPO	5.7	4.7	6.3	5.6
RAD-TF-88	5.0	5.3	6.0	5.4
PST-5EV2	5.7	4.7	5.7	5.3
PSG-GSD	5.0	5.0	5.7	5.2
BAR FA 120878	5.0	3.7	5.3	4.7
KY-31	2.3	1.3	3.0	2.2
LSD VALUE	1.3	1.2	1.5	0.9
C.V. (%)	12.4	13.3	14.1	9.2

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

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

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SEEDLING VIGOR	PERCENT COVER SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
						QUALITY RATINGS						
PPG-TF-152	6.7	85.7	4.0	5.0	5.7	7.7	7.3	8.0	8.3	8.7	7.7	6.9
PST-5EV2	7.3	81.3	4.3	5.3	6.3	7.0	7.7	8.0	8.0	8.3	7.3	6.9
SRX-TPC	6.7	76.7	4.7	6.3	7.3	7.0	7.3	7.0	7.3	7.7	6.7	6.8
LTP-TWUU	7.0	74.3	4.0	6.0	7.7	7.7	6.3	7.0	7.3	7.3	6.7	6.7
PPG-TF-170	7.3	77.3	4.3	5.7	6.7	8.0	7.0	7.0	7.3	7.3	6.7	6.7
PSG-WE1	7.0	76.7	4.0	6.0	7.3	7.0	7.7	7.0	7.3	7.7	6.0	6.7
U43	5.7	80.0	4.0	5.3	6.3	7.0	8.0	7.3	7.7	8.0	7.0	6.7
GRANDE 3	8.0	79.3	4.3	6.0	8.0	7.0	6.0	6.7	7.0	7.7	6.3	6.6
RHAMBLER 2 SRP (LSD)	6.7	83.3	4.0	5.3	6.3	7.3	7.0	7.3	7.7	7.7	6.3	6.6
MET 6 SEL	7.3	74.3	4.0	3.3	6.3	7.0	8.3	7.0	7.3	8.0	7.7	6.6
U45	6.3	83.3	3.3	4.3	5.3	7.0	7.7	7.7	8.3	8.7	7.3	6.6
W45	7.3	74.7	4.3	6.3	7.7	8.0	6.7	6.7	7.0	7.0	6.0	6.6
BIZEM	5.7	75.0	4.0	5.0	5.3	7.0	8.7	7.0	7.0	7.7	7.0	6.5
RZ2	6.3	85.0	3.7	5.0	6.7	7.0	7.7	7.0	7.3	7.3	6.7	6.5
MET 1	7.3	73.7	4.0	5.7	7.3	7.7	6.0	6.7	7.0	7.0	6.0	6.4
MET-3	7.0	74.3	3.3	4.7	6.0	6.0	8.0	7.3	7.3	7.7	7.3	6.4
PICK-W43	7.3	78.0	4.0	5.0	6.0	7.7	6.7	6.7	7.3	7.7	7.0	6.4
PPG-TF-105	8.0	74.3	4.3	5.7	7.3	7.7	6.0	6.7	6.7	6.7	6.3	6.4
PPG-TF-115	7.7	76.7	4.3	5.0	6.3	7.3	7.0	7.3	7.0	6.7	7.0	6.4
PPG-TF-151	6.7	76.7	3.7	5.0	6.0	7.7	7.7	7.0	7.0	7.0	6.3	6.4
ZW 44	7.3	73.3	4.3	6.0	7.3	7.0	6.3	6.3	6.3	7.0	7.0	6.4
PPG-TF-135	5.3	87.7	3.0	4.0	5.0	6.3	7.3	7.3	8.0	8.3	7.3	6.3
HOT ROD (BURL TF-136)	7.0	74.7	3.3	4.3	5.3	6.3	8.0	6.0	7.3	8.0	7.0	6.2
IS-TF 310 SEL	6.7	67.3	4.3	5.7	6.7	7.0	7.7	6.3	6.7	6.3	5.3	6.2
PPG-TF-137	8.0	67.0	4.0	5.7	7.3	8.0	6.0	6.0	6.0	6.3	6.3	6.2
PPG-TF-172	6.7	82.7	4.0	4.7	5.7	7.7	7.7	6.3	6.7	7.3	5.7	6.2
ATF 1704	7.0	70.7	4.0	5.7	7.3	7.3	6.7	6.3	6.3	6.0	5.7	6.1
ATF 1754	7.7	71.3	4.3	6.0	7.3	7.7	7.7	5.7	5.7	5.3	5.7	6.1
B23	7.3	77.7	3.7	4.7	6.0	7.0	6.7	6.7	6.7	6.7	6.7	6.1
CATALYST	8.3	71.0	5.0	6.0	7.0	7.0	5.3	6.3	6.3	6.3	5.3	6.1
FALCON V	7.0	75.3	4.7	5.7	6.7	6.7	6.0	6.7	6.7	6.3	5.3	6.1
FESNOVA	6.0	61.7	4.3	5.3	6.3	7.3	6.3	5.7	6.7	7.3	6.0	6.1
LTP-FSD	7.0	74.3	4.0	5.3	6.3	6.7	6.3	6.7	6.7	6.7	6.3	6.1
PPG-TF-156	7.0	74.0	3.3	4.0	4.7	6.7	7.0	7.0	7.3	8.0	7.3	6.1
PPG-TF-169	8.0	68.7	4.7	6.0	8.0	6.3	6.0	6.0	6.0	6.0	5.7	6.1
PST-5GRB	7.0	82.3	3.7	4.7	6.0	6.3	7.3	7.0	7.0	6.7	6.0	6.1
SALTILLO (PST-5SALT)	6.7	78.3	3.7	5.0	5.3	6.3	7.7	7.3	7.0	7.0	5.7	6.1
T31	7.7	79.7	4.3	4.7	5.0	6.3	7.0	7.0	7.0	7.0	7.0	6.1
IS-TF-287	7.3	75.0	4.0	5.0	6.0	7.3	7.7	6.3	6.3	6.7	6.0	6.1
W41	7.7	63.3	4.7	6.0	7.3	7.7	5.0	5.3	5.7	6.0	7.0	6.1
ATF 1736	7.0	77.3	4.0	5.0	6.3	7.3	7.3	6.3	6.3	6.7	5.0	6.0
GTO (BURL TF-2)	7.7	59.7	4.0	5.0	6.3	7.0	5.7	6.0	6.0	6.7	7.3	6.0
DB1	7.0	74.7	3.7	4.3	5.0	6.7	7.3	7.0	7.0	7.0	6.3	6.0
FIREBIRD 2	6.3	67.3	3.7	5.0	6.3	7.7	7.0	6.3	6.0	5.7	6.3	6.0
HEMI	7.3	74.0	3.7	5.0	6.3	7.3	7.0	6.7	6.0	6.0	6.0	6.0

TABLE 11. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER SHADE AT CARBONDALE, IL 1/
2013 DATA

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

NAME	SEEDLING VIGOR	PERCENT COVER SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
							QUALITY RATINGS					
IS-TF 269 SEL	6.0	70.0	5.0	5.7	6.3	6.3	6.7	6.3	6.0	6.0	5.3	6.0
IS-TF 289	6.3	77.7	3.0	4.0	5.0	6.7	7.7	7.3	7.0	7.0	6.7	6.0
K12-05	6.0	70.7	3.3	4.3	5.3	7.0	6.0	6.3	7.3	7.7	6.7	6.0
LTP-F5DPDR	7.0	67.7	4.3	5.7	6.7	6.3	5.7	6.0	6.7	6.7	6.3	6.0
PPG-TF-138	6.3	77.0	4.0	5.0	5.7	7.3	6.0	6.3	6.3	6.7	6.3	6.0
PPG-TF-139	7.0	80.7	3.7	5.0	5.7	6.7	6.7	6.3	6.7	7.0	6.0	6.0
PPG-TF-147	6.3	73.7	3.7	4.7	5.7	6.7	7.7	5.7	6.3	7.0	6.3	6.0
PST-5BRK	7.0	76.7	3.7	5.0	5.7	7.3	6.3	7.0	6.7	6.3	5.7	6.0
PST-5EX2	7.7	70.3	4.3	5.7	7.3	7.0	7.0	5.3	5.7	5.7	6.0	6.0
REGENERATE	7.3	71.0	4.3	5.3	7.0	7.0	6.0	6.3	5.7	5.7	6.3	6.0
TD1	7.7	76.7	3.7	4.0	5.0	7.0	6.3	6.7	7.0	7.3	6.7	6.0
TERRANO	7.3	68.3	4.7	6.0	7.3	6.3	5.3	6.3	6.0	6.3	6.0	6.0
BAR FA 121089	7.0	69.7	4.0	4.7	5.3	6.7	7.0	6.3	6.3	6.3	6.7	5.9
DZ1	6.0	79.0	3.7	4.0	5.3	6.3	6.3	7.0	7.0	7.7	6.0	5.9
IS-TF 307 SEL	6.0	74.7	4.0	5.0	5.7	6.7	7.3	6.3	6.7	6.3	5.3	5.9
IS-TF 330	5.7	66.0	4.0	4.7	5.7	6.0	6.3	6.7	6.7	6.7	6.0	5.9
PPG-TF-150	7.0	74.3	4.0	5.0	6.3	7.0	7.0	6.0	6.0	6.0	6.0	5.9
PPG-TF-157	6.0	77.0	3.3	4.7	5.7	6.3	7.0	6.7	6.7	7.0	6.0	5.9
INSPIRATION (PST-R5NW)	7.3	75.7	3.7	4.7	6.0	6.0	6.3	6.3	6.7	6.7	6.3	5.9
RAD-TF-83	7.0	67.3	3.7	4.3	5.3	6.0	7.7	6.0	6.3	6.7	7.0	5.9
BURL TF-69	6.7	73.0	4.0	4.7	5.3	7.0	6.0	6.3	6.0	6.3	6.7	5.8
IS-TF 272	6.3	72.7	3.7	4.7	5.3	6.7	7.3	6.0	6.3	6.7	5.3	5.8
IS-TF 291	6.7	63.7	4.0	5.3	6.3	7.0	6.7	6.3	6.0	5.7	5.0	5.8
JS 916	7.0	72.3	4.0	5.0	6.0	6.3	6.3	6.3	6.0	6.3	5.7	5.8
RAD-TF-92	7.3	60.3	4.3	5.7	7.3	8.0	6.3	5.0	5.0	5.3	5.0	5.8
BAR FA 121095	7.7	60.0	4.3	5.7	7.3	8.0	5.3	5.7	5.3	5.0	4.7	5.7
BULLSEYE	6.3	67.7	3.3	4.7	5.3	7.0	7.7	5.3	6.0	6.0	6.3	5.7
FALCON IV	5.7	68.0	4.0	5.0	6.0	6.7	6.7	5.7	6.0	6.3	5.0	5.7
PPG-TF-145	6.7	71.0	3.7	5.0	5.7	7.0	7.0	6.0	6.3	6.7	3.7	5.7
PST-5BPO	6.3	72.3	4.3	5.3	6.0	6.7	6.7	6.0	5.7	5.3	5.3	5.7
F711	6.7	54.0	4.3	5.7	6.7	5.7	5.7	5.0	5.3	6.0	6.3	5.6
IS-TF 282 M2	5.3	69.7	3.7	5.0	6.0	6.3	7.0	6.3	5.7	6.0	4.7	5.6
IS-TF 285	5.7	56.0	3.7	4.0	5.0	6.0	7.7	4.7	6.0	7.0	6.7	5.6
IS-TF 305 SEL	6.7	57.7	4.0	5.7	7.3	7.0	6.0	5.0	5.3	5.3	5.0	5.6
PSG-GSD	6.7	64.7	3.3	4.7	5.7	6.7	6.0	5.7	6.3	6.7	5.3	5.6
PSG-PO1	7.3	56.3	4.0	5.0	6.0	6.7	5.7	4.7	5.7	6.7	6.3	5.6
PST-5MVD	6.7	64.7	4.0	5.0	6.3	7.0	6.0	5.7	5.7	6.0	4.7	5.6
CAESAR (TY 10)	7.7	69.0	4.3	5.7	6.3	6.7	6.3	6.0	5.3	4.7	4.7	5.6
FAITH	6.3	67.7	3.7	4.0	5.0	6.3	6.3	5.3	6.0	6.7	6.0	5.5
IS-TF 311	6.7	63.0	4.3	5.0	6.0	7.0	6.3	5.3	5.0	5.3	5.0	5.5
JS 818	8.0	65.0	4.3	5.3	6.0	7.0	6.3	6.0	5.7	4.7	4.0	5.5
PST-5RO5	7.7	58.0	4.0	5.0	6.0	7.0	6.3	5.0	5.0	5.3	6.0	5.5
RAIN DANCE (PST-5SDT)	6.0	66.3	4.0	5.0	5.7	6.3	6.0	6.3	6.0	5.3	4.7	5.5

TABLE 11. (CONT'D)   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
                                   GROWN UNDER SHADE AT CARBONDALE, IL 1/
                                                  2013 DATA

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

| | | PERCENT | | | | QUALITY RATINGS | | | | | | |
| | SEEDLING | COVER | | | | | | | | | | |
NAME	VIGOR	SUMMER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
IS-TF 276 M2	6.7	71.7	4.0	5.7	6.7	6.3	6.3	5.3	5.0	4.7	4.7	5.4
PSG-8BP2	7.0	57.0	4.0	5.0	7.0	7.7	6.0	4.7	5.0	4.7	5.0	5.4
BAR FA 120878	6.7	50.0	3.7	5.0	6.7	7.0	7.3	4.3	4.7	4.7	4.3	5.3
IS-TF 308 SEL	5.3	61.7	3.0	3.7	4.3	5.0	6.7	5.7	6.0	6.3	7.3	5.3
K12-MCD	5.0	64.7	3.7	4.7	5.7	6.7	5.7	5.3	5.0	5.3	5.3	5.3
PST-5DZP	6.7	63.0	4.0	5.0	6.0	5.7	6.0	5.3	5.0	5.0	5.7	5.3
RAD-TF-89	6.3	57.3	4.0	5.3	6.0	7.0	6.0	4.3	4.7	4.7	5.3	5.3
CCR2	7.3	57.7	3.3	4.3	5.0	6.3	5.7	5.0	5.3	5.3	6.3	5.2
FRONTLINE (EXP TF-09)	6.0	59.3	4.0	5.0	5.3	5.3	6.0	5.7	5.3	5.0	5.0	5.2
JS 825	8.0	43.0	4.3	5.7	7.0	7.3	5.3	5.0	4.3	4.0	3.7	5.2
TEMPTATION (OR-21)	6.7	43.3	4.7	5.3	6.3	5.3	6.0	4.7	5.0	4.7	4.7	5.2
COMP. RES. SST	6.3	26.7	5.0	6.3	7.3	4.7	5.7	4.0	4.3	4.0	4.7	5.1
JS 819	6.3	61.0	4.0	5.3	6.0	6.3	5.3	5.3	5.0	4.3	4.0	5.1
KY-31	7.7	63.0	4.3	5.3	6.0	5.0	8.0	5.3	4.7	4.3	3.3	5.1
PSG-TT4	6.3	53.0	3.3	4.3	5.3	6.3	6.3	4.7	4.7	5.0	5.7	5.1
RAD-TF-88	6.0	59.7	3.7	4.3	5.3	6.0	5.3	5.3	5.3	5.0	5.7	5.1
ATF 1612	5.0	58.7	3.3	4.7	5.7	5.7	5.7	5.0	5.0	5.0	5.0	5.0
IS-TF 284 M2	4.0	58.3	3.3	4.0	5.3	6.0	6.7	5.3	5.0	4.7	4.7	5.0
PPG-TF-142	5.7	61.7	3.7	5.0	5.3	6.0	6.3	5.0	4.7	4.3	4.7	5.0
BAR FA 121091	7.0	37.3	4.0	5.0	5.7	6.3	5.3	3.7	4.3	5.0	5.0	4.9
AQUADUCT	5.0	55.0	3.0	4.3	5.7	5.7	6.3	5.0	4.7	4.3	4.0	4.8
GO-DFR	6.0	56.0	3.0	4.0	5.0	7.0	6.0	4.3	4.3	4.3	4.7	4.7
JS 809	7.0	26.3	4.0	5.3	6.3	6.3	4.0	3.7	4.0	4.0	3.3	4.6
K12-13	6.3	39.0	3.7	4.3	5.3	5.7	6.3	4.0	4.0	4.0	3.7	4.6
MARAUDER	6.3	40.7	3.7	5.0	6.3	5.0	5.7	4.3	4.0	3.3	3.0	4.5
ANNIHILATOR LEDEBOER	5.7	16.0	4.3	5.3	6.3	5.7	5.7	2.7	3.0	3.3	3.0	4.4
WARHAWK	6.0	51.3	3.7	4.7	5.3	5.0	6.0	4.0	4.0	4.0	2.7	4.4
204 RES. BLK4	7.0	14.7	3.7	4.0	3.7	4.7	4.7	2.3	3.0	3.0	2.7	3.5
LSD VALUE	2.6	21.5	3.9	2.1	4.8	2.4	5.1	2.8	1.6	2.1	1.9	1.0
C.V. (%)	15.9	19.0	19.8	17.0	21.6	15.0	20.7	22.4	16.0	19.5	19.2	9.7

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

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

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TABLE 12.   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
                                    FOR BROWN PATCH STUDY AT WICHITA, KS 1/
                                                  2013 DATA
                           TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	PERCENT ESTABLISH-MENT	APR	MAY	JUN	JUL	AUG	SEP	MEAN
MET 1	6.3	7.0	6.3	75.0	7.7	7.3	6.3	6.3	5.7	7.7	6.8
PPG-TF-170	6.0	7.3	5.7	73.3	7.3	7.3	5.7	6.7	6.7	7.0	6.8
W45	7.0	7.3	5.7	71.7	6.7	8.0	6.0	6.7	6.7	7.0	6.8
HOT ROD (BURL TF-136)	6.0	7.7	5.7	68.3	6.3	7.7	6.3	6.0	6.3	7.7	6.7
GTO (BURL TF-2)	6.0	8.0	6.0	73.3	6.7	7.7	5.7	6.3	6.7	7.0	6.7
RHAMBLER 2 SRP (LSD)	6.0	7.3	5.3	78.3	7.0	8.0	5.7	6.0	6.7	6.7	6.7
LTP-F5DPDR	6.0	6.7	5.7	70.0	6.0	8.0	5.7	6.7	6.3	7.3	6.7
PICK-W43	6.7	7.0	6.0	75.0	6.7	8.0	6.0	6.0	6.0	7.3	6.7
PPG-TF-135	6.7	8.0	6.0	71.7	5.7	7.3	6.0	7.0	7.0	7.3	6.7
PPG-TF-137	6.0	8.0	6.0	65.0	6.3	8.0	6.0	6.3	6.7	7.0	6.7
U43	6.7	7.0	5.3	73.3	6.7	7.7	5.7	7.0	5.7	7.7	6.7
ATF 1612	6.0	7.7	5.3	70.0	6.3	7.0	5.7	6.7	6.7	7.0	6.6
B23	6.7	7.7	5.3	78.3	6.7	8.3	5.3	6.0	6.0	7.0	6.6
F711	6.0	8.0	6.0	76.7	6.7	7.0	5.7	6.3	7.0	7.0	6.6
FAITH	6.0	7.7	5.3	75.0	6.3	7.7	5.7	6.0	6.7	7.0	6.6
FIREBIRD 2	6.3	7.7	6.0	63.3	5.7	7.7	6.0	6.3	6.7	7.3	6.6
GRANDE 3	6.3	8.0	6.3	71.7	6.7	7.0	6.0	6.7	6.0	7.3	6.6
IS-TF 291	6.7	6.3	5.7	71.7	5.7	7.3	6.3	6.7	6.0	7.3	6.6
IS-TF 308 SEL	6.0	7.0	6.0	60.0	5.3	8.0	6.0	6.7	6.7	7.0	6.6
IS-TF 310 SEL	6.3	7.3	5.7	65.0	6.0	8.0	6.3	6.0	6.3	6.7	6.6
MET 6 SEL	5.3	8.0	5.3	70.0	5.7	7.7	5.7	6.3	6.7	7.7	6.6
PPG-TF-115	5.7	7.7	5.3	70.0	6.0	7.7	6.3	6.0	6.3	7.3	6.6
PPG-TF-138	6.0	7.0	5.7	63.3	6.3	7.3	6.0	6.3	6.3	7.3	6.6
PPG-TF-157	6.3	7.3	6.3	61.7	5.3	7.3	6.3	6.3	7.0	7.0	6.6
T31	5.7	8.0	6.3	63.3	5.7	7.3	5.7	6.7	6.7	7.3	6.6
DZ1	6.3	6.3	6.0	66.7	5.7	7.3	6.3	6.3	6.0	7.3	6.5
FESNOVA	5.3	7.3	5.7	70.0	6.0	7.7	6.0	6.0	6.3	7.0	6.5
HEMI	6.3	6.7	5.7	68.3	6.3	7.7	5.7	6.3	6.0	7.0	6.5
IS-TF 269 SEL	6.0	6.7	5.3	65.0	5.7	7.7	6.0	6.7	6.3	6.7	6.5
IS-TF 305 SEL	6.3	7.0	5.0	65.0	5.3	7.7	6.3	6.3	6.3	7.0	6.5
PPG-TF-150	5.7	7.7	5.7	66.7	6.0	7.3	6.3	6.0	6.3	7.0	6.5
PPG-TF-156	6.3	8.0	5.7	66.7	6.0	7.3	5.7	6.3	6.7	7.0	6.5
PSG-WE1	6.3	8.0	6.0	65.0	5.7	7.7	6.0	6.0	6.7	7.0	6.5
RZ2	5.3	7.3	5.7	66.7	5.7	7.7	6.7	6.0	5.7	7.3	6.5
SRX-TPC	6.0	8.0	5.0	70.0	5.7	7.3	6.7	5.7	6.7	7.0	6.5
U45	6.0	6.7	6.3	61.7	5.7	7.3	6.0	6.3	6.3	7.3	6.5
CCR2	6.0	7.7	6.3	71.7	5.7	8.3	5.7	6.0	6.3	6.7	6.4
FALCON V	6.0	6.7	6.0	73.3	6.3	7.3	6.0	6.3	5.3	7.3	6.4
IS-TF 284 M2	7.0	6.3	5.0	51.7	5.0	7.7	6.3	6.3	6.0	7.0	6.4
IS-TF 285	6.3	8.0	5.3	70.0	5.0	7.7	6.0	6.0	6.7	7.0	6.4
JS 916	6.0	7.3	5.7	56.7	5.7	7.3	6.3	6.3	6.0	7.0	6.4
K12-MCD	5.3	7.3	5.0	75.0	6.3	7.7	6.0	6.0	6.0	6.7	6.4
LTP-FSD	5.7	7.0	5.7	73.3	6.7	7.3	5.7	6.0	6.0	7.0	6.4
LTP-TWUU	6.0	7.0	6.0	71.7	6.3	7.7	5.7	6.0	5.7	7.0	6.4
PPG-TF-105	6.0	7.7	5.3	68.3	5.7	7.7	6.3	6.7	5.7	6.7	6.4

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
FOR BROWN PATCH STUDY AT WICHITA, KS 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	PERCENT ESTABLISH- MENT	APR	MAY	JUN	JUL	AUG	SEP	MEAN
PPG-TF-145	7.0	7.0	5.7	65.0	5.7	7.7	6.3	5.7	6.0	7.0	6.4
PPG-TF-152	6.0	8.0	5.7	63.3	5.0	7.3	6.0	6.3	6.7	7.0	6.4
PPG-TF-172	6.0	7.0	6.3	71.7	6.0	8.0	6.0	5.7	5.7	7.3	6.4
PST-5MVD	5.0	7.3	4.7	71.7	6.0	7.3	6.0	6.3	6.0	7.0	6.4
TERRANO	5.3	6.7	5.3	68.3	6.7	7.3	6.3	5.3	6.0	7.0	6.4
W41	6.0	8.0	6.3	68.3	6.0	7.0	6.0	6.0	6.3	7.3	6.4
ZW 44	6.0	8.0	6.3	66.7	5.3	7.0	6.3	6.3	6.7	6.7	6.4
BIZEM	6.0	7.7	5.0	63.3	5.7	7.0	6.0	6.0	6.3	7.0	6.3
BULLSEYE	6.0	7.0	5.0	71.7	6.0	7.3	5.7	6.7	6.0	6.3	6.3
IS-TF 289	6.3	7.0	5.3	70.0	5.7	7.7	5.7	6.0	6.0	7.0	6.3
IS-TF 307 SEL	6.7	7.0	5.3	61.7	5.0	7.7	5.7	7.0	5.7	7.0	6.3
IS-TF 330	6.7	7.3	5.0	61.7	5.3	7.3	6.0	6.3	6.3	6.3	6.3
MET-3	5.7	7.3	5.7	68.3	5.7	7.3	5.0	6.0	6.7	7.0	6.3
PPG-TF-147	5.7	8.0	5.3	66.7	6.3	7.0	5.7	6.0	6.0	7.0	6.3
PPG-TF-151	5.7	6.7	5.0	66.7	5.7	7.3	6.0	6.0	6.0	6.7	6.3
PPG-TF-169	6.0	6.7	6.7	73.3	6.3	7.0	6.0	5.7	5.3	7.3	6.3
PSG-PO1	6.0	6.7	5.7	68.3	5.7	7.0	6.0	6.0	6.3	7.0	6.3
PST-5BPO	5.0	8.0	5.3	61.7	6.3	7.0	5.7	6.0	6.0	7.0	6.3
PST-5EV2	5.7	7.3	5.3	68.3	6.0	7.3	5.7	6.0	5.7	7.3	6.3
SALTILLO (PST-5SALT)	5.0	7.7	5.3	65.0	5.3	7.0	5.7	6.0	6.7	7.3	6.3
RAD-TF-83	6.7	6.3	4.7	70.0	5.7	7.3	6.3	6.0	5.3	7.0	6.3
REGENERATE	6.7	8.0	6.3	75.0	7.3	7.3	5.3	5.0	6.3	6.7	6.3
IS-TF-287	6.7	6.7	5.0	76.7	6.3	7.3	5.3	6.3	5.3	7.0	6.3
CAESAR (TY 10)	6.7	5.7	5.7	76.7	6.3	7.0	6.3	6.0	5.3	6.7	6.3
ATF 1736	6.0	7.7	5.0	68.3	6.3	7.0	5.3	6.0	6.3	6.3	6.2
ATF 1754	6.0	7.0	5.7	63.3	6.0	7.0	6.0	6.0	5.3	7.0	6.2
BAR FA 121089	5.7	6.0	4.7	66.7	6.0	7.0	5.7	6.0	6.0	6.7	6.2
BURL TF-69	6.0	6.7	5.0	70.0	6.0	7.3	5.7	6.0	5.7	6.7	6.2
CATALYST	5.3	7.7	5.3	71.7	5.3	7.7	5.3	5.7	6.3	6.7	6.2
DB1	7.0	4.7	5.7	68.3	5.0	8.0	6.7	6.0	4.7	7.0	6.2
FRONTLINE (EXP TF-O9)	7.0	5.7	4.7	70.0	6.0	7.3	5.7	6.7	5.3	6.0	6.2
IS-TF 272	7.3	7.7	5.0	61.7	5.0	7.3	6.3	6.3	5.7	6.3	6.2
K12-05	7.0	6.7	4.7	60.0	5.0	7.7	6.3	6.0	5.7	6.3	6.2
RAD-TF-88	6.3	5.3	5.7	60.0	5.3	8.0	6.3	5.3	5.0	7.0	6.2
ATF 1704	5.3	7.0	5.3	66.7	5.7	7.0	5.7	6.0	5.7	6.7	6.1
FALCON IV	5.3	6.7	5.0	73.3	6.0	7.0	6.0	6.0	5.7	6.0	6.1
IS-TF 276 M2	5.7	7.0	5.0	70.0	6.0	7.0	5.7	6.0	5.3	6.3	6.1
IS-TF 282 M2	7.0	6.7	4.7	60.0	4.7	7.3	6.0	6.3	5.7	6.7	6.1
PPG-TF-139	5.7	8.0	5.0	61.7	5.0	7.3	5.7	6.0	6.7	6.0	6.1
PSG-8BP2	5.3	7.7	4.7	70.0	5.3	7.3	5.7	5.7	5.7	6.7	6.1
PSG-GSD	5.0	7.7	5.0	75.0	6.0	7.3	5.7	5.7	5.7	6.3	6.1
PST-5BRK	5.3	7.0	5.0	71.7	5.7	7.0	6.0	5.3	5.3	7.0	6.1
PST-5RO5	5.3	7.7	4.7	71.7	6.0	6.7	5.7	6.0	6.0	6.3	6.1
INSPIRATION (PST-R5NW)	5.0	7.3	5.0	66.7	6.3	7.0	5.7	5.7	5.3	6.3	6.1
RAD-TF-89	6.3	6.3	5.0	63.3	4.7	7.7	6.0	6.0	5.7	6.7	6.1

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
FOR BROWN PATCH STUDY AT WICHITA, KS 1/
2013 DATA

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

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	PERCENT ESTABLISH- MENT	APR	MAY	JUN	JUL	AUG	SEP	MEAN
RAD-TF-92	6.7	6.7	5.3	70.0	5.3	7.0	6.0	6.0	5.3	7.0	6.1
IS-TF 311	6.0	7.7	5.7	61.7	5.0	6.7	5.0	6.0	6.3	7.0	6.0
JS 818	6.0	5.7	4.7	76.7	5.7	7.3	6.0	6.7	4.7	5.7	6.0
PSG-TT4	5.0	6.0	4.7	68.3	5.7	7.0	5.3	5.7	5.0	7.0	5.9
PST-5DZP	5.7	4.7	4.7	60.0	5.0	7.3	6.0	5.7	4.7	7.0	5.9
PST-5EX2	5.0	8.0	5.0	75.0	5.3	6.3	5.3	5.7	6.0	7.0	5.9
TD1	6.3	4.7	5.7	68.3	5.0	7.7	6.7	6.0	4.3	6.0	5.9
K12-13	6.7	5.3	4.3	55.0	4.0	7.3	6.3	6.3	5.3	5.7	5.8
TEMPTATION (OR-21)	7.3	6.0	4.7	70.0	5.0	7.0	6.3	6.0	4.3	6.3	5.8
PST-5GRB	5.3	7.3	4.7	70.0	5.0	7.7	4.7	5.3	6.0	6.3	5.8
RAIN DANCE (PST-5SDT)	5.0	6.7	4.7	68.3	5.3	7.0	5.3	5.7	5.3	6.3	5.8
COMP. RES. SST	5.7	4.0	4.7	65.0	5.7	7.3	6.0	6.0	3.7	5.7	5.7
AQUADUCT	5.0	5.7	4.7	73.3	6.3	6.3	5.7	6.3	4.3	4.7	5.6
BAR FA 121091	7.0	5.3	3.7	65.0	5.7	7.0	5.7	5.3	4.3	5.7	5.6
PPG-TF-142	7.0	5.3	5.3	66.7	4.0	7.0	6.3	6.0	4.7	5.7	5.6
GO-DFR	6.3	6.7	5.7	65.0	5.0	6.0	5.0	5.3	5.3	6.3	5.5
JS 809	5.7	5.7	4.0	76.7	6.3	7.3	5.3	5.0	4.3	4.7	5.5
204 RES. BLK4	5.7	4.7	4.3	65.0	5.0	7.0	5.7	5.7	4.7	4.3	5.4
BAR FA 121095	6.0	4.7	4.7	65.0	3.7	7.0	5.3	5.7	4.3	6.3	5.4
JS 819	6.0	5.7	4.3	70.0	4.7	7.3	5.3	5.0	4.3	6.0	5.4
MARAUDER	5.0	4.0	3.7	66.7	5.7	7.0	6.0	5.7	3.0	5.0	5.4
JS 825	5.3	4.7	4.0	66.7	4.3	7.7	5.3	5.3	3.7	5.7	5.3
ANNIHILATOR LEDEBOER	5.0	5.3	4.0	73.3	4.7	5.7	5.0	5.7	4.3	5.0	5.1
WARHAWK	5.3	3.3	4.3	68.3	5.7	6.7	6.0	4.3	3.3	4.3	5.1
BAR FA 120878	4.0	7.3	4.3	68.3	5.3	5.0	5.0	4.0	4.7	4.0	4.7
KY-31	3.0	8.0	4.0	84.7	4.0	3.3	3.7	4.0	3.0	3.0	3.5
LSD VALUE	0.7	2.2	0.9	9.3	1.8	1.0	1.3	1.4	1.5	1.0	0.6
C.V. (%)	7.8	16.8	10.6	7.8	15.2	8.2	9.9	11.0	14.8	9.8	6.0

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

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

NAME	GENETIC COLOR	QUALITY PRETRAFFIC SEP_4	10_GAMES OCT_2	20_GAMES OCT_24	2_WEEKS NOV_7	1_MONTH NOV_21	2_MONTH DEC_17
BULLSEYE	7.3	9.0	8.7	8.0	8.3	8.0	6.0
FALCON IV	7.3	8.3	8.7	8.0	8.3	8.7	6.0
GRANDE 3	7.0	8.7	8.3	7.7	8.0	8.3	6.0
HEMI	7.7	8.7	8.3	8.0	8.0	8.3	6.0
IS-TF 289	7.0	9.0	9.0	7.7	8.0	8.3	6.0
IS-TF 305 SEL	8.3	9.0	9.0	7.7	8.0	8.3	6.0
IS-TF 308 SEL	7.3	9.0	8.3	7.3	8.0	8.3	6.0
IS-TF 310 SEL	7.0	9.0	8.7	8.3	8.0	8.3	6.0
IS-TF 330	7.0	9.0	9.0	8.0	8.0	8.0	6.0
PPG-TF-115	6.7	8.3	8.7	8.0	8.3	8.7	6.0
PPG-TF-142	8.0	9.0	8.7	7.3	7.7	8.3	6.0
PPG-TF-145	7.7	9.0	8.3	7.3	8.0	8.7	6.0
PPG-TF-156	6.0	9.0	8.0	7.7	8.0	8.7	6.0
PSG-8BP2	7.0	8.7	8.7	7.7	7.3	8.0	6.0
PSG-PO1	7.3	8.7	8.0	7.7	7.7	8.3	6.0
PSG-WE1	6.3	9.0	8.7	8.0	8.3	8.7	6.0
PST-5DZP	6.7	8.7	8.3	7.7	7.7	8.3	6.0
RAIN DANCE (PST-5SDT)	5.7	8.0	8.3	7.0	7.3	7.7	6.0
SALTILLO (PST-5SALT)	6.7	8.7	8.3	8.0	8.0	8.0	6.0
SRX-TPC	6.3	9.0	8.7	7.7	8.0	8.3	6.0
TEMPTATION (OR-21)	8.0	9.0	9.0	7.7	8.3	8.7	6.0
WARHAWK	7.0	8.0	9.0	7.7	8.7	9.0	6.0
AQUADUCT	6.3	8.0	8.3	7.7	8.0	8.0	5.7
ATF 1612	6.7	9.0	8.3	7.7	7.7	8.3	5.7
ATF 1704	6.3	8.7	8.3	7.0	7.7	8.0	5.7
ATF 1754	6.7	8.7	8.3	8.0	7.7	8.0	5.7
B23	7.7	9.0	8.3	7.3	7.3	8.0	5.7
BAR FA 120878	4.7	8.0	8.0	7.3	7.7	8.3	5.7
BIZEM	7.0	9.0	8.0	7.7	7.7	8.0	5.7
BURL TF-69	7.3	8.0	8.7	7.3	8.0	8.3	5.7
CCR2	6.7	9.0	8.0	7.3	7.7	8.0	5.7
FAITH	6.7	9.0	8.3	8.0	8.0	8.7	5.7
FALCON V	7.3	8.7	8.3	7.7	8.3	8.7	5.7
FIREBIRD 2	7.7	9.0	8.3	7.7	7.7	8.3	5.7
GO-DFR	8.0	8.7	8.3	7.3	8.0	8.7	5.7
GTO (BURL TF-2)	8.0	8.7	8.7	8.0	7.3	8.0	5.7
HOT ROD (BURL TF-136)	7.7	9.0	8.3	7.3	7.7	8.0	5.7
INSPIRATION (PST-R5NW)	7.0	8.7	8.3	7.7	7.7	8.7	5.7
IS-TF 269 SEL	7.3	9.0	8.3	7.3	8.0	8.0	5.7
IS-TF 272	8.3	9.0	9.0	8.0	8.0	8.7	5.7
IS-TF 276 M2	7.0	8.7	9.0	7.7	8.3	8.7	5.7
IS-TF 282 M2	8.0	9.0	8.7	7.7	8.0	8.3	5.7
IS-TF 284 M2	8.7	8.7	9.0	8.0	8.0	8.0	5.7
IS-TF 291	7.3	9.0	8.3	7.0	7.7	8.3	5.7
IS-TF 307 SEL	7.0	8.7	8.7	7.7	8.0	8.3	5.7

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| | GENETIC | QUALITY PRETRAFFIC | QUALITY RATINGS AFTER TRAFFIC APPLICATIONS | | | | |
NAME	COLOR	SEP_4	10_GAMES OCT_2	20_GAMES OCT_24	2_WEEKS NOV_7	1_MONTH NOV_21	2_MONTH DEC_17
IS-TF 311	7.7	8.7	8.3	8.0	7.7	8.3	5.7
JS 819	7.3	8.7	7.7	7.0	7.7	7.3	5.7
JS 825	6.3	8.3	8.0	6.7	7.7	7.7	5.7
RHAMBLER 2 SRP (LSD)	8.0	9.0	8.0	7.3	7.7	8.7	5.7
MET-3	7.0	9.0	8.0	8.0	8.0	8.3	5.7
PPG-TF-105	7.7	8.7	8.3	8.0	7.7	8.3	5.7
PPG-TF-137	7.0	8.3	8.3	7.7	8.0	8.3	5.7
PPG-TF-148	6.7	8.3	8.3	7.7	8.0	8.3	5.7
PPG-TF-150	6.3	8.7	8.3	7.3	8.0	7.7	5.7
PPG-TF-152	6.7	8.3	8.7	8.3	8.0	8.3	5.7
PPG-TF-157	7.7	9.0	8.3	7.3	8.0	8.3	5.7
PPG-TF-169	7.0	8.3	8.3	8.0	8.0	8.0	5.7
PPG-TF-172	7.0	8.3	8.7	8.0	7.7	8.7	5.7
PST-5BRK	7.0	8.0	7.7	6.7	7.3	7.3	5.7
PST-5GRB	6.3	8.7	8.3	8.0	8.0	7.7	5.7
PST-5RO5	7.7	8.7	8.3	7.7	8.0	8.3	5.7
RAD-TF-83	6.7	8.3	8.7	7.3	8.0	8.3	5.7
RAD-TF-92	7.7	9.0	8.7	7.7	8.0	8.7	5.7
T31	7.3	9.0	8.7	8.0	7.7	8.3	5.7
TD1	8.3	8.7	8.0	7.0	7.7	8.0	5.7
W45	8.0	9.0	8.7	7.7	8.0	8.7	5.7
ZW 44	7.0	9.0	8.7	8.0	8.3	8.3	5.7
ATF 1736	7.3	9.0	8.0	8.0	8.0	8.7	5.3
BAR FA 121089	6.7	8.7	8.0	7.0	7.7	8.7	5.3
BAR FA 121091	6.7	8.3	8.3	7.0	8.0	8.3	5.3
BAR FA 121095	7.3	8.7	8.3	7.0	8.0	8.3	5.3
CATALYST	6.3	8.7	8.0	7.0	7.7	8.0	5.3
DZ1	8.3	8.7	7.3	7.0	6.7	7.0	5.3
FESNOVA	6.7	9.0	8.0	7.7	7.3	8.7	5.3
FRONTLINE (EXP TF-09)	7.0	9.0	8.7	7.0	7.7	8.0	5.3
IS-TF 285	7.7	9.0	8.7	7.7	8.0	8.0	5.3
JS 809	6.7	9.0	7.7	7.3	7.3	8.0	5.3
JS 818	7.3	8.3	7.7	7.0	7.3	7.0	5.3
JS 916	7.0	9.0	8.0	7.0	7.0	7.3	5.3
K12-05	7.0	9.0	8.0	7.3	7.7	8.3	5.3
K12-13	6.3	9.0	8.3	7.3	8.0	8.3	5.3
K12-MCD	7.3	8.3	7.7	7.3	7.7	8.3	5.3
LTP-F5DPDR	7.0	8.7	8.3	7.0	7.7	7.7	5.3
LTP-FSD	7.3	9.0	8.0	7.3	7.7	7.7	5.3
PICK-W43	7.0	9.0	8.3	7.7	7.7	7.7	5.3
PPG-TF-135	7.7	9.0	7.0	7.7	6.7	7.0	5.3
PPG-TF-138	7.3	8.7	7.7	7.0	7.3	7.3	5.3
PPG-TF-139	7.7	8.7	8.3	7.3	7.7	8.0	5.3
PPG-TF-151	7.7	9.0	8.0	7.7	7.7	8.3	5.3
PPG-TF-170	7.0	8.7	8.0	8.0	7.7	8.0	5.3

TABLE 13.   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D)   GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
                                   2013 DATA

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

| | | QUALITY | QUALITY RATINGS AFTER TRAFFIC APPLICATIONS | | | | |
NAME	GENETIC COLOR	PRETRAFFIC SEP_4	10_GAMES OCT_2	20_GAMES OCT_24	2_WEEKS NOV_7	1_MONTH NOV_21	2_MONTH DEC_17
PSG-TT4	6.3	8.0	8.3	7.7	7.7	8.3	5.3
PST-5BPO	6.7	8.7	8.3	7.3	7.7	8.3	5.3
PST-5EV2	6.0	8.7	8.0	7.0	7.0	7.3	5.3
PST-5MVD	7.3	8.7	8.0	7.3	7.3	7.7	5.3
RAD-TF-88	7.3	9.0	8.3	7.3	7.7	8.0	5.3
RAD-TF-89	7.7	8.7	8.3	7.7	7.7	8.0	5.3
REGENERATE	7.0	9.0	7.0	7.3	7.3	7.3	5.3
RZ2	7.3	8.7	8.0	7.3	7.3	8.0	5.3
TERRANO	7.3	9.0	8.7	7.7	8.0	8.3	5.3
IS-TF-287	7.0	8.7	8.3	7.7	7.7	8.3	5.3
U43	7.3	9.0	7.7	7.3	7.7	8.0	5.3
U45	7.7	9.0	8.3	7.7	7.7	7.7	5.3
W41	6.3	8.7	8.3	8.0	8.0	8.3	5.3
204 RES. BLK4	7.0	7.3	7.3	6.7	7.3	7.3	5.0
ANNIHILATOR LEDEBOER	6.7	7.3	8.0	6.3	7.0	7.3	5.0
CAESAR (TY 10)	8.0	9.0	8.0	7.0	7.3	7.3	5.0
COMP. RES. SST	7.0	6.7	7.7	6.7	7.0	7.3	5.0
DB1	8.0	9.0	8.3	6.3	6.3	7.3	5.0
F711	7.7	8.7	7.7	6.7	7.0	7.3	5.0
KY-31	4.3	6.7	7.3	6.7	6.7	7.3	5.0
LTP-TWUU	7.3	8.7	7.7	7.0	7.3	7.7	5.0
MARAUDER	7.7	7.3	7.7	6.7	7.3	7.0	5.0
MET 1	7.3	8.7	8.0	7.0	7.0	7.3	5.0
MET 6 SEL	6.7	9.0	8.0	7.0	6.3	7.3	5.0
PSG-GSD	7.3	8.3	8.3	7.3	8.0	8.0	5.0
PST-5EX2	6.0	8.3	7.0	6.7	6.7	7.3	5.0
LSD VALUE	1.6	0.8	1.8	2.0	2.1	1.4	1.6
C.V. (%)	11.3	5.3	7.7	8.8	8.5	7.7	8.6

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

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

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| | PERCENT LIVING GROUND COVER RATINGS BEFORE/AFTER TRAFFIC | | | | | FALL COLOR RETENTION RATINGS BEFORE/AFTER TRAFFIC | | | | | |
| | PRETRAFFIC | 10_GAMES | 20_GAMES | 2_WEEKS | 1_MONTH | PRETRAFFIC | 10_GAMES | 20_GAMES | 2_WEEKS | 1_MONTH | 2_MONTH |
NAME	SEP_4	OCT_2	OCT_24	NOV_7	NOV_21	SEP_4	OCT_2	OCT_24	NOV_7	NOV_21	DEC_17
BULLSEYE	97.3	91.3	59.3	78.0	84.7	7.7	6.7	6.7	7.7	7.0	6.7
FALCON IV	96.7	94.7	61.7	81.3	85.7	7.3	7.3	6.3	7.3	7.3	7.0
GRANDE 3	96.7	91.0	61.7	73.3	78.3	7.7	6.7	6.0	6.7	6.3	6.0
HEMI	96.3	91.7	61.3	75.0	83.0	8.0	6.3	6.7	7.0	6.7	6.0
IS-TF 289	97.3	92.3	56.3	75.3	79.3	7.7	7.3	6.7	7.0	7.0	6.0
IS-TF 305 SEL	97.3	92.7	58.7	68.7	77.7	8.3	7.7	6.3	7.3	6.7	5.7
IS-TF 308 SEL	97.3	90.3	60.0	74.3	81.3	8.3	6.7	6.3	7.3	6.3	6.0
IS-TF 310 SEL	96.7	92.0	57.7	70.0	80.3	8.0	7.3	7.7	7.0	7.0	6.0
IS-TF 330	96.7	93.7	54.7	78.0	81.3	8.0	8.0	7.3	7.7	6.7	6.0
PPG-TF-115	97.7	93.0	60.0	80.7	85.7	7.7	7.7	6.3	7.7	7.3	6.7
PPG-TF-142	97.0	91.3	57.7	71.3	80.0	8.0	7.0	6.3	6.0	6.3	6.0
PPG-TF-145	97.0	89.0	54.7	72.0	78.0	7.7	6.7	6.7	6.7	7.0	6.7
PPG-TF-156	97.0	90.7	60.7	75.0	85.0	8.0	6.3	6.3	6.7	7.3	7.3
PSG-8BP2	96.0	90.0	58.3	70.3	76.3	7.0	6.7	6.3	6.7	6.3	5.7
PSG-PO1	96.7	88.3	62.0	69.3	80.3	7.7	7.0	6.3	6.3	6.3	5.7
PSG-WE1	97.0	92.7	62.3	76.3	83.3	8.3	7.3	6.3	7.0	6.3	6.0
PST-5DZP	97.0	92.0	61.7	75.7	83.3	7.7	7.3	6.0	6.3	6.3	5.7
RAIN DANCE (PST-5SDT)	96.7	90.3	60.7	71.3	78.7	7.0	7.0	5.3	6.0	6.0	5.7
SALTILLO (PST-5SALT)	96.7	91.7	64.0	72.3	76.7	7.0	6.3	5.3	6.0	5.7	5.0
SRX-TPC	96.7	91.3	60.3	74.3	81.0	8.0	7.0	6.7	7.0	6.7	5.7
TEMPTATION (OR-21)	97.0	92.0	53.7	70.7	81.7	8.0	7.7	7.3	7.7	7.3	6.7
WARHAWK	95.0	93.7	51.3	80.0	88.7	7.0	8.0	7.3	8.7	8.3	7.7
AQUADUCT	95.7	90.7	57.0	65.0	76.7	6.7	7.0	6.0	6.7	6.7	6.7
ATF 1612	96.7	86.7	58.7	71.0	80.3	7.7	6.7	6.3	6.3	6.3	6.3
ATF 1704	96.3	88.0	59.7	68.0	75.0	7.7	6.7	6.0	6.3	6.3	5.3
ATF 1754	96.3	89.0	62.7	68.0	78.7	7.3	6.3	5.3	6.3	5.7	5.7
B23	96.7	86.7	57.3	64.3	78.0	8.3	6.7	6.7	6.7	6.3	5.7
BAR FA 120878	96.3	89.3	64.0	72.0	79.0	6.0	6.7	4.7	6.0	6.7	6.0
BIZEM	96.7	90.7	61.3	65.3	74.3	8.3	6.3	5.7	5.7	6.3	5.3
BURL TF-69	97.0	89.7	58.0	72.7	80.0	7.3	7.0	6.0	7.0	6.7	6.3
CCR2	96.7	88.0	60.3	62.7	73.3	7.7	6.0	6.0	6.0	6.3	5.3
FAITH	97.0	92.3	61.3	70.3	80.3	8.0	7.0	6.3	6.7	7.0	6.7
FALCON V	96.3	88.7	64.3	75.0	82.0	7.3	6.7	5.3	7.0	7.0	6.7
FIREBIRD 2	96.7	85.3	58.3	62.7	74.0	8.3	6.7	7.0	7.0	7.0	6.7
GO-DFR	96.3	92.0	57.7	73.7	79.7	7.3	7.3	6.3	7.3	7.0	6.3
GTO (BURL TF-2)	96.3	88.7	60.0	66.0	72.3	8.0	7.0	6.3	7.0	5.7	5.3
HOT ROD (BURL TF-136)	96.0	86.7	55.7	69.3	78.0	8.0	6.7	7.0	7.0	6.7	6.0
INSPIRATION (PST-R5NW)	97.0	92.7	60.0	75.0	79.7	7.7	7.3	5.7	7.0	6.7	6.3
IS-TF 269 SEL	97.0	85.7	54.3	68.0	75.0	8.0	6.7	7.0	7.0	6.3	6.0
IS-TF 272	97.0	93.7	59.0	74.7	79.0	8.0	7.0	6.7	7.7	6.7	6.3
IS-TF 276 M2	96.7	90.7	52.7	78.0	82.7	7.3	8.0	7.3	8.3	7.3	7.0
IS-TF 282 M2	97.3	90.0	60.7	69.0	76.7	8.3	7.0	6.0	6.7	6.7	6.0
IS-TF 284 M2	97.0	93.7	58.3	73.3	83.0	8.0	8.0	6.7	7.0	6.3	5.7
IS-TF 291	97.3	88.3	55.3	65.7	78.7	8.0	6.3	6.3	7.0	6.7	6.3
IS-TF 307 SEL	96.3	92.0	56.0	76.0	83.3	7.7	7.7	7.0	7.3	7.0	6.3

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| | PERCENT LIVING GROUND COVER RATINGS BEFORE/AFTER TRAFFIC | | | | | FALL COLOR RETENTION RATINGS BEFORE/AFTER TRAFFIC | | | | | |
| | PRETRAFFIC | 10_GAMES | 20_GAMES | 2_WEEKS | 1_MONTH | PRETRAFFIC | 10_GAMES | 20_GAMES | 2_WEEKS | 1_MONTH | 2_MONTH |
NAME	SEP_4	OCT_2	OCT_24	NOV_7	NOV_21	SEP_4	OCT_2	OCT_24	NOV_7	NOV_21	DEC_17
IS-TF 311	97.0	87.0	58.0	69.0	80.0	7.7	6.7	6.7	7.0	7.0	6.0
JS 819	97.0	82.0	52.7	59.7	67.3	7.0	6.0	6.7	6.3	6.3	5.7
JS 825	95.0	80.0	55.7	64.7	71.0	6.3	6.3	5.7	6.7	5.7	5.7
RHAMBLER 2 SRP (LSD)	96.7	84.3	58.7	69.3	81.0	7.3	5.7	6.7	6.7	6.3	5.7
MET-3	96.3	92.3	60.7	72.7	80.3	7.7	6.3	6.7	6.7	7.0	6.3
PPG-TF-105	97.7	90.0	60.7	68.3	78.0	7.7	6.7	6.7	6.3	6.7	6.3
PPG-TF-137	96.3	88.3	62.0	71.3	80.0	7.3	6.7	6.3	6.7	6.7	6.0
PPG-TF-148	96.3	90.7	64.0	70.7	79.7	7.0	6.0	6.0	6.3	6.3	6.3
PPG-TF-150	96.3	83.3	59.0	70.7	74.0	7.0	6.0	5.7	6.3	6.0	6.0
PPG-TF-152	97.7	92.0	58.7	76.0	80.3	7.7	7.0	7.0	7.0	7.0	6.0
PPG-TF-157	97.0	92.0	59.0	72.7	79.7	8.3	6.7	6.7	7.0	7.0	6.0
PPG-TF-169	96.0	88.7	62.3	70.0	76.0	7.3	6.3	6.0	7.0	6.7	6.3
PPG-TF-172	96.7	92.7	65.0	70.7	78.3	7.0	6.7	5.7	6.3	6.3	6.0
PST-5BRK	97.0	79.0	56.0	61.7	65.0	7.0	5.7	5.7	5.7	5.3	5.0
PST-5GRB	96.0	90.7	65.7	75.3	77.7	6.3	7.0	5.3	6.0	5.3	5.3
PST-5RO5	96.7	92.0	59.7	76.3	77.7	7.7	7.0	6.0	6.7	6.0	5.7
RAD-TF-83	95.7	91.3	55.3	67.7	75.7	7.3	7.7	6.3	6.7	7.3	6.7
RAD-TF-92	97.0	91.0	57.0	75.0	78.0	7.3	7.0	7.0	6.7	7.0	6.0
T31	96.3	91.0	65.3	69.3	78.0	8.0	7.0	6.0	6.7	6.0	5.7
TD1	96.7	82.3	53.3	65.3	73.3	8.0	6.7	6.7	6.7	6.3	6.0
W45	96.0	89.3	57.7	70.0	81.7	8.7	7.3	7.0	7.0	7.0	6.7
ZW 44	97.0	91.7	58.7	77.0	82.0	8.0	6.7	6.7	7.0	6.7	6.3
ATF 1736	96.3	90.7	61.3	71.7	81.0	8.0	7.3	6.3	6.7	6.7	5.7
BAR FA 121089	96.3	87.3	56.3	71.0	83.0	7.7	7.0	6.3	6.3	7.3	6.7
BAR FA 121091	97.0	91.3	54.0	74.7	80.3	8.0	7.3	6.0	7.0	7.0	6.7
BAR FA 121095	96.7	90.3	53.3	72.3	79.3	7.7	7.0	6.3	7.3	7.0	6.7
CATALYST	96.0	86.0	55.7	67.7	72.7	7.0	6.0	6.0	6.3	6.3	6.0
DZ1	96.3	64.7	53.0	40.3	52.0	8.0	5.0	7.0	5.3	5.7	5.3
FESNOVA	97.3	86.0	53.3	64.3	77.7	7.7	6.3	7.3	6.7	7.0	6.7
FRONTLINE (EXP TF-09)	97.0	89.0	54.0	64.3	69.7	8.0	7.0	6.7	6.7	6.3	5.7
IS-TF 285	97.3	84.7	52.7	64.7	72.7	8.7	7.3	7.3	7.3	6.3	6.0
JS 809	97.0	82.3	54.7	61.7	71.3	7.3	6.0	7.0	6.3	6.3	5.7
JS 818	96.3	80.0	50.3	56.3	63.0	7.3	6.7	6.7	6.3	6.3	5.7
JS 916	96.3	76.7	53.3	50.0	59.3	7.3	6.3	6.7	5.7	5.7	4.7
K12-05	97.0	85.3	51.0	61.7	72.3	7.7	6.3	7.7	6.3	6.7	6.3
K12-13	96.7	88.7	56.7	71.3	79.3	7.7	6.3	7.0	6.3	6.3	6.0
K12-MCD	96.3	83.3	57.7	69.0	79.3	7.3	6.3	6.0	6.3	7.3	6.3
LTP-F5DPDR	97.3	87.7	55.3	65.3	72.3	7.7	6.3	6.7	6.7	5.7	5.7
LTP-FSD	96.7	82.0	55.7	61.7	66.0	8.3	6.3	6.7	6.3	6.0	5.3
PICK-W43	97.0	84.7	58.0	66.3	73.7	8.0	7.0	6.3	6.3	6.3	6.0
PPG-TF-135	96.7	69.7	55.7	45.3	58.3	7.7	4.7	7.0	4.7	5.3	4.7
PPG-TF-138	97.3	83.0	54.0	60.3	62.7	7.7	6.0	7.0	5.7	5.7	5.7
PPG-TF-139	96.3	91.3	59.3	68.7	73.0	7.3	6.3	6.3	6.0	6.0	5.3
PPG-TF-151	96.3	88.7	58.0	68.7	78.0	8.0	6.3	7.0	6.7	6.3	6.3
PPG-TF-170	96.7	86.0	61.0	66.0	73.3	7.3	7.0	6.0	7.0	6.7	6.3

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TABLE 13. (CONT'D)   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
                                        GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
                                                      2013 DATA

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

	PERCENT LIVING GROUND COVER RATINGS BEFORE/AFTER TRAFFIC					FALL COLOR RETENTION RATINGS BEFORE/AFTER TRAFFIC					
NAME	PRETRAFFIC SEP_4	10_GAMES OCT_2	20_GAMES OCT_24	2_WEEKS NOV_7	1_MONTH NOV_21	PRETRAFFIC SEP_4	10_GAMES OCT_2	20_GAMES OCT_24	2_WEEKS NOV_7	1_MONTH NOV_21	2_MONTH DEC_17
PSG-TT4	96.3	90.0	64.0	71.7	81.7	6.3	6.7	5.3	6.3	6.0	5.0
PST-5BPO	96.3	90.0	62.0	70.7	77.7	7.3	7.0	5.7	6.3	5.7	5.3
PST-5EV2	96.7	83.3	57.7	56.0	66.3	7.3	5.3	5.7	5.3	5.0	4.7
PST-5MVD	96.3	89.0	59.7	63.7	71.0	7.3	6.0	6.7	5.3	5.3	5.3
RAD-TF-88	97.0	88.3	58.3	71.0	73.3	7.7	7.0	6.3	6.0	6.0	5.7
RAD-TF-89	97.3	84.7	55.3	61.7	70.7	7.3	6.3	7.0	6.0	6.7	6.0
REGENERATE	96.7	69.3	55.0	48.3	58.7	8.3	5.3	7.0	5.7	5.3	5.0
RZ2	96.0	81.7	58.7	59.3	68.7	7.3	5.7	6.3	6.3	6.0	5.0
TERRANO	96.7	88.0	57.0	71.0	79.7	7.7	7.0	6.7	6.7	6.3	6.3
IS-TF-287	95.3	85.0	57.0	70.3	79.7	7.0	7.0	7.0	6.7	6.3	6.0
U43	97.0	78.3	53.3	61.0	68.7	8.0	6.0	7.3	6.7	6.7	6.3
U45	96.3	87.0	59.7	68.3	73.0	7.7	7.0	5.3	7.0	6.0	5.7
W41	96.7	89.3	58.3	72.3	78.7	8.0	7.0	6.0	6.7	6.7	6.3
204 RES. BLK4	92.7	71.0	51.3	60.0	66.7	6.0	5.0	6.3	6.0	6.0	5.3
ANNIHILATOR LEDEBOER	93.0	77.3	51.0	53.7	64.3	6.0	6.3	6.0	6.0	5.7	5.3
CAESAR (TY 10)	97.3	80.3	50.0	53.0	68.3	8.3	6.3	7.3	6.7	6.3	5.7
COMP. RES. SST	90.7	76.0	51.0	52.0	62.3	5.3	6.0	6.7	6.0	5.3	5.3
DB1	96.3	80.7	51.3	45.7	56.3	7.7	6.3	6.3	5.0	5.3	4.7
F711	96.7	78.3	52.7	49.7	60.7	7.3	5.3	6.7	5.3	5.3	5.3
KY-31	93.7	74.7	62.3	55.3	69.0	4.3	4.7	3.7	5.0	4.7	4.0
LTP-TWUU	96.0	80.0	57.3	58.0	67.0	7.7	5.7	6.3	6.0	6.3	5.3
MARAUDER	93.3	79.3	51.7	57.7	60.7	6.0	6.0	6.3	6.0	6.0	5.0
MET 1	96.0	81.7	59.3	55.0	65.7	7.7	5.7	5.7	5.7	5.0	4.7
MET 6 SEL	96.3	83.7	61.0	53.0	63.3	7.7	5.7	5.3	4.7	4.7	4.7
PSG-GSD	96.3	88.7	56.0	68.7	70.7	7.3	6.7	6.3	6.7	6.3	5.7
PST-5EX2	97.0	72.0	52.0	50.0	55.3	7.3	5.0	6.0	5.3	5.3	5.0
LSD VALUE	4.2	24.1	10.1	26.7	23.9	1.2	1.6	1.0	2.2	2.0	2.4
C.V. (%)	1.5	9.9	8.2	16.6	13.4	9.0	12.4	9.4	14.1	13.4	15.1

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

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

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | TDR MOISTURE PROBE RATINGS BEFORE/AFTER TRAFFIC | | | | | CLEGG (GMAX) RATINGS (AVERAGE OF 3 MEASUREMENTS) | | | | | PERCENT BROWN | PERCENT PYTHIUM |
	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PATCH (JUL)	BLIGHT (SEP)
BULLSEYE	46.3	48.7	46.0	39.0	36.3	41.7	51.7	37.0	55.0	71.7	7.7	6.0
FALCON IV	45.7	48.0	49.7	43.7	37.3	46.3	55.7	44.3	55.7	70.7	16.7	7.0
GRANDE 3	46.3	46.3	47.0	43.3	32.7	61.7	55.0	52.0	65.3	66.3	15.3	6.7
HEMI	44.0	50.7	53.0	40.3	34.7	46.7	51.7	50.7	60.3	75.7	11.0	6.3
IS-TF 289	40.0	45.3	44.3	35.3	34.7	42.7	45.7	45.3	48.3	74.3	15.7	5.0
IS-TF 305 SEL	43.0	46.7	46.7	38.0	34.0	50.0	54.3	55.0	63.3	73.0	12.7	7.0
IS-TF 308 SEL	44.3	47.7	49.7	44.0	34.3	38.7	48.7	46.7	53.0	67.7	15.0	5.7
IS-TF 310 SEL	46.3	44.3	51.0	43.3	34.0	42.0	50.0	47.0	61.0	71.3	8.3	6.3
IS-TF 330	44.3	48.0	49.7	42.0	32.0	47.0	48.3	49.0	49.3	66.3	16.7	5.3
PPG-TF-115	44.0	46.0	47.0	42.7	37.7	44.0	55.3	47.7	59.0	69.7	11.7	7.3
PPG-TF-142	42.0	45.3	44.7	38.3	33.0	41.0	56.0	46.7	62.3	73.7	21.7	8.3
PPG-TF-145	44.3	48.0	48.0	45.7	36.7	43.0	55.7	45.3	60.7	67.7	16.0	7.7
PPG-TF-156	47.3	49.0	54.3	44.3	37.0	38.7	53.0	45.0	61.0	70.0	10.7	6.7
PSG-8BP2	46.0	44.0	47.0	37.7	31.0	43.7	53.7	50.0	65.3	76.0	17.7	6.3
PSG-PO1	45.7	49.3	48.3	39.3	37.3	41.7	48.7	53.3	55.7	71.0	15.3	7.0
PSG-WE1	44.3	51.7	51.0	41.7	36.3	40.0	51.0	42.7	57.7	65.7	14.3	6.7
PST-5DZP	46.7	47.3	46.7	40.7	33.7	40.7	54.7	47.3	59.7	80.3	15.7	7.0
RAIN DANCE (PST-5SDT)	45.0	50.0	45.7	43.3	35.0	45.3	49.0	53.3	62.0	78.7	17.7	8.3
SALTILLO (PST-5SALT)	46.3	48.0	46.7	40.3	34.7	41.7	50.7	42.7	53.3	73.7	12.3	6.0
SRX-TPC	45.0	50.3	50.7	39.0	33.7	41.3	51.7	48.3	60.3	72.3	11.7	6.3
TEMPTATION (OR-21)	46.3	48.0	46.3	36.7	32.3	38.3	52.0	52.0	55.7	86.7	13.0	7.3
WARHAWK	41.3	44.3	48.3	34.7	33.0	52.7	60.7	55.3	69.7	71.7	18.7	13.3
AQUADUCT	44.0	41.0	45.7	37.7	31.0	49.3	59.7	40.0	73.7	73.7	17.3	8.0
ATF 1612	44.3	47.0	45.3	40.7	34.7	47.3	55.0	47.0	64.0	73.7	14.0	8.7
ATF 1704	42.7	48.7	52.3	37.3	36.3	46.0	52.3	51.0	63.3	65.7	13.3	10.0
ATF 1754	46.3	49.3	49.3	38.7	34.3	43.7	51.7	49.3	62.7	77.7	11.3	7.0
B23	46.3	52.7	50.7	42.3	57.7	46.3	51.7	46.3	61.0	75.3	14.0	5.7
BAR FA 120878	46.0	47.7	48.7	41.0	32.0	41.7	51.7	52.3	65.0	73.0	15.0	11.3
BIZEM	46.3	50.7	45.3	42.0	32.7	48.0	54.0	49.0	60.3	70.0	7.0	6.7
BURL TF-69	46.0	49.3	46.3	40.7	37.7	43.7	52.3	44.0	58.0	69.7	12.0	9.0
CCR2	44.0	47.7	48.0	41.3	31.7	50.7	57.0	51.0	57.7	81.0	8.7	6.3
FAITH	41.7	48.7	46.0	40.7	35.3	37.3	49.0	48.0	61.3	73.3	16.7	6.3
FALCON V	44.0	47.0	46.0	43.0	37.0	51.7	50.3	47.7	62.7	73.3	11.7	6.0
FIREBIRD 2	40.0	47.3	47.7	36.0	30.3	50.7	58.7	55.0	72.3	71.7	9.3	6.7
GO-DFR	43.7	46.3	45.0	39.3	35.3	39.7	51.7	47.0	64.0	70.0	14.3	8.3
GTO (BURL TF-2)	44.3	48.0	48.7	43.3	35.3	46.0	52.3	47.3	58.0	67.0	13.3	7.7
HOT ROD (BURL TF-136)	45.7	49.0	59.0	42.7	37.0	48.0	57.7	48.3	64.0	67.0	13.3	9.7
INSPIRATION (PST-R5NW)	42.7	46.3	48.3	43.7	35.7	50.3	49.3	48.0	61.7	66.7	15.7	5.7
IS-TF 269 SEL	43.7	43.3	51.3	44.0	35.7	51.0	59.3	53.0	58.3	71.0	12.3	8.0
IS-TF 272	44.3	46.3	45.7	36.7	33.0	48.3	52.0	49.0	62.7	70.0	8.0	5.7
IS-TF 276 M2	46.0	49.7	43.7	38.0	35.3	41.7	52.0	45.0	60.3	79.3	11.7	7.3
IS-TF 282 M2	45.7	47.0	50.0	36.7	34.3	48.7	53.0	53.0	57.7	76.3	10.0	7.7
IS-TF 284 M2	45.7	43.0	46.0	36.7	32.7	40.0	53.0	54.3	64.7	70.0	18.3	7.0
IS-TF 291	43.3	47.7	49.3	38.7	34.0	43.7	51.7	52.7	64.7	82.0	13.3	8.7
IS-TF 307 SEL	45.7	48.3	48.3	42.0	32.0	45.7	52.0	49.7	64.3	70.3	15.0	7.3

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

| NAME | TDR MOISTURE PROBE RATINGS BEFORE/AFTER TRAFFIC | | | | | CLEGG (GMAX) RATINGS (AVERAGE OF 3 MEASUREMENTS) | | | | | PERCENT BROWN | PERCENT PYTHIUM |
	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PATCH (JUL)	BLIGHT (SEP)
IS-TF 311	45.7	49.0	48.0	46.3	36.0	43.0	54.7	48.0	49.0	79.3	10.7	7.3
JS 819	43.7	44.0	42.3	37.3	31.7	49.3	56.0	63.3	65.7	81.7	14.0	6.3
JS 825	42.3	44.7	44.3	38.7	31.7	51.3	53.7	50.7	62.7	83.3	15.0	10.7
RHAMBLER 2 SRP (LSD)	42.7	45.0	47.0	38.3	35.0	53.0	61.3	52.0	65.3	74.7	10.7	6.3
MET-3	43.7	47.0	46.0	43.7	34.0	47.3	58.0	46.7	60.7	65.0	10.0	5.0
PPG-TF-105	44.7	47.7	48.7	40.7	35.3	43.0	54.0	51.0	54.7	66.3	16.7	6.0
PPG-TF-137	40.3	45.3	46.7	44.3	38.0	43.3	54.0	47.3	56.7	64.3	11.0	6.3
PPG-TF-148	44.3	49.7	45.3	39.7	32.3	46.0	52.0	49.3	53.7	74.0	10.7	5.0
PPG-TF-150	48.0	50.0	48.7	40.0	36.0	44.0	50.3	44.7	58.3	67.3	16.3	8.3
PPG-TF-152	44.7	49.0	50.7	42.3	34.3	42.0	54.7	46.0	55.0	70.3	12.3	6.7
PPG-TF-157	44.7	49.3	50.3	42.3	37.3	48.0	53.0	51.3	61.0	73.7	13.0	7.0
PPG-TF-169	47.3	50.7	54.7	44.3	37.7	43.0	58.3	48.7	59.7	69.0	12.3	7.0
PPG-TF-172	44.7	46.0	47.0	38.7	35.0	39.3	50.3	41.7	60.0	67.7	14.0	6.7
PST-5BRK	47.3	47.7	48.3	36.3	32.0	51.3	56.0	50.0	62.3	77.0	16.0	7.3
PST-5GRB	45.0	45.3	43.7	40.7	34.7	52.3	50.3	48.3	53.7	71.7	18.3	7.0
PST-5RO5	43.7	46.3	46.3	38.3	31.0	55.3	53.3	52.0	69.3	81.3	17.7	6.3
RAD-TF-83	43.7	46.7	45.3	42.7	33.0	41.3	56.0	54.3	66.3	76.7	16.3	8.0
RAD-TF-92	45.0	50.0	48.7	44.3	35.0	47.3	58.0	53.0	65.7	72.3	22.0	7.7
T31	46.3	49.7	51.0	39.7	35.3	44.0	47.0	41.0	55.7	69.7	11.7	8.0
TD1	45.3	48.3	49.7	43.0	35.7	43.0	52.7	44.3	60.7	71.7	12.0	7.7
W45	43.3	51.0	49.7	45.0	39.3	39.3	46.0	51.7	62.7	70.7	12.3	6.7
ZW 44	46.3	47.7	49.0	43.3	34.3	42.7	55.3	55.0	55.7	76.3	13.0	5.3
ATF 1736	46.3	46.3	44.3	36.3	34.7	39.3	57.7	52.0	69.0	70.7	17.3	7.3
BAR FA 121089	40.7	48.7	51.0	41.3	32.3	40.0	49.0	56.3	69.0	80.7	16.7	8.3
BAR FA 121091	47.0	47.3	51.7	44.0	34.3	45.0	51.7	43.7	65.7	66.7	16.0	8.0
BAR FA 121095	43.7	48.3	47.0	42.7	32.0	53.0	54.3	47.3	58.3	65.0	8.7	7.0
CATALYST	49.3	43.7	45.3	39.3	32.3	47.3	57.7	47.3	73.0	80.0	15.0	6.7
DZ1	43.7	47.7	48.3	37.0	31.3	47.3	59.7	48.7	73.0	86.0	14.3	9.3
FESNOVA	43.3	45.3	45.3	36.0	32.0	50.0	53.7	52.7	62.7	76.3	11.7	6.0
FRONTLINE (EXP TF-09)	41.7	48.0	46.7	38.3	31.7	44.0	48.0	56.7	60.0	71.0	13.3	7.7
IS-TF 285	43.0	48.0	49.3	41.7	38.0	43.7	51.0	52.3	64.0	72.3	11.7	7.3
JS 809	44.0	45.7	43.3	39.7	35.7	48.7	50.0	48.7	61.0	76.0	15.3	6.0
JS 818	43.3	45.7	44.7	37.0	31.3	51.3	62.3	49.3	65.7	78.3	16.7	7.3
JS 916	44.3	43.3	42.3	33.3	30.7	49.7	56.3	53.3	60.3	81.3	10.7	7.3
K12-05	45.0	45.0	47.3	41.7	30.7	50.7	54.7	54.0	66.3	85.3	18.0	9.0
K12-13	42.7	46.0	46.7	40.0	31.3	46.3	51.7	47.7	49.3	72.7	18.0	11.7
K12-MCD	45.3	46.7	49.0	39.3	35.7	48.7	55.0	51.3	64.0	77.0	11.3	6.0
LTP-F5DPDR	41.7	48.7	49.0	38.7	32.0	44.7	55.7	50.0	63.7	75.0	8.3	6.7
LTP-FSD	45.3	44.3	50.3	38.3	29.7	39.3	54.0	50.3	52.3	77.3	15.0	7.0
PICK-W43	44.3	49.0	48.7	42.0	36.7	41.0	51.3	53.0	53.3	71.7	10.3	6.7
PPG-TF-135	44.7	44.3	47.7	43.0	33.3	48.0	60.7	49.0	75.0	73.7	10.0	6.3
PPG-TF-138	43.3	48.0	47.3	37.7	33.0	49.0	56.7	48.7	73.7	79.7	11.7	7.7
PPG-TF-139	44.0	48.7	45.3	39.0	31.0	46.3	53.3	44.0	59.3	73.7	11.7	7.7
PPG-TF-151	46.3	48.7	49.3	37.7	34.7	41.7	46.3	48.7	61.3	73.3	14.0	7.7
PPG-TF-170	46.7	49.3	50.7	44.0	35.3	41.3	50.0	46.7	59.3	71.3	11.7	6.7

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
2013 DATA

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

| NAME | TDR MOISTURE PROBE RATINGS BEFORE/AFTER TRAFFIC | | | | | CLEGG (GMAX) RATINGS (AVERAGE OF 3 MEASUREMENTS) | | | | | PERCENT BROWN | PERCENT PYTHIUM |
	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PRETRAFFIC SEP_4	5_GAMES SEP_24	10_GAMES OCT_2	15_GAMES OCT_15	20_GAMES OCT_24	PATCH (JUL)	BLIGHT (SEP)
PSG-TT4	46.3	47.3	43.0	38.0	33.0	48.0	47.0	42.7	63.0	72.0	14.0	7.3
PST-5BPO	46.7	52.0	43.7	38.0	35.0	41.0	50.0	43.7	48.0	70.7	12.3	6.7
PST-5EV2	47.0	46.3	45.0	41.0	31.3	43.7	49.7	43.0	60.0	74.7	18.7	5.3
PST-5MVD	48.7	49.3	46.0	38.3	36.7	44.3	45.3	47.3	53.7	69.3	12.7	6.7
RAD-TF-88	46.0	49.3	52.0	40.0	32.7	48.0	51.0	50.7	54.7	76.3	18.3	8.7
RAD-TF-89	43.3	47.7	48.7	42.0	34.7	50.3	54.0	52.7	61.7	75.0	15.7	7.7
REGENERATE	41.7	47.0	45.7	38.3	36.0	44.0	52.3	50.3	58.0	76.7	11.7	6.3
RZ2	44.7	44.3	48.7	38.3	34.0	45.0	54.3	48.7	57.0	68.7	12.7	6.7
TERRANO	43.7	45.0	46.3	38.7	35.0	43.7	55.7	50.3	65.0	76.7	10.0	6.3
IS-TF-287	45.0	49.7	48.3	43.3	34.7	40.0	47.3	53.7	56.0	71.3	17.3	10.0
U43	46.3	47.0	45.0	37.7	34.0	49.3	56.3	54.3	70.3	81.7	10.7	7.7
U45	44.3	50.0	47.3	43.0	33.7	42.0	50.7	44.3	57.0	71.3	16.7	9.7
W41	47.7	53.0	47.7	43.3	36.0	38.3	52.3	47.7	60.3	66.3	10.0	9.7
204 RES. BLK4	41.3	44.0	44.3	33.0	30.0	48.3	58.7	50.0	59.7	89.0	14.0	18.0
ANNIHILATOR LEDEBOER	47.0	44.0	42.3	36.0	33.0	40.7	54.0	41.3	71.7	76.7	17.7	15.7
CAESAR (TY 10)	44.3	43.3	44.0	37.7	32.3	53.3	58.7	52.3	59.7	88.7	10.0	8.0
COMP. RES. SST	43.0	44.7	43.0	35.7	31.7	50.7	60.7	55.3	69.7	71.3	22.0	18.0
DB1	44.7	50.0	42.3	40.3	34.7	48.0	52.3	49.3	58.3	74.0	14.3	8.3
F711	45.7	45.3	43.7	38.7	33.0	51.0	63.0	49.7	64.3	76.0	12.0	7.7
KY-31	42.0	43.3	41.0	33.3	56.0	48.3	59.7	55.0	81.3	78.3	16.7	14.7
LTP-TWUU	41.0	45.7	48.3	41.7	34.0	47.0	54.0	54.3	63.3	73.3	14.0	7.7
MARAUDER	44.0	43.3	46.7	36.7	32.3	45.7	60.7	44.7	70.0	76.0	18.7	10.7
MET 1	40.3	46.7	47.3	40.0	32.3	41.0	54.3	49.7	62.0	70.7	14.7	7.3
MET 6 SEL	44.3	50.0	45.7	42.7	31.3	52.0	55.0	53.3	61.3	79.0	16.0	4.7
PSG-GSD	46.0	48.3	46.0	36.7	28.3	53.3	56.0	53.7	72.0	80.7	16.3	6.3
PST-5EX2	41.0	40.7	46.0	33.0	30.3	55.7	55.7	47.0	77.7	90.0	10.0	6.0
LSD VALUE	19.2	10.5	16.6	20.2	19.3	36.2	43.2	30.8	50.8	59.0	9.3	4.2
C.V. (%)	8.0	7.5	9.7	12.3	16.8	17.4	13.8	14.3	17.6	14.2	30.0	30.8

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 14.   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2013 DATA

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

NAME	GENETIC COLOR	MAY	JUN	JUL	AUG	OCT	NOV	DEC	MEAN
					QUALITY RATINGS				
ZW 44	6.3	5.3	6.7	7.7	8.0	5.3	7.7	7.7	6.9
MET 1	6.7	5.7	7.3	8.0	7.7	5.7	6.0	7.3	6.8
PPG-TF-172	7.3	6.0	7.0	7.7	7.3	5.3	6.7	7.7	6.8
FAITH	6.7	4.3	6.3	7.3	7.3	5.7	7.7	8.0	6.7
IS-TF 291	7.0	6.3	7.0	7.0	6.7	5.7	7.0	7.3	6.7
FESNOVA	6.7	6.0	6.7	7.0	7.7	5.3	6.3	7.0	6.6
PPG-TF-152	7.0	5.0	6.3	7.3	7.7	5.3	7.0	7.3	6.6
PSG-WE1	6.7	5.3	6.3	7.0	7.3	5.7	7.7	7.0	6.6
PST-5RO5	7.0	6.3	6.7	6.3	6.7	5.0	7.7	7.7	6.6
U43	7.3	5.7	6.7	7.3	6.3	6.0	6.0	8.0	6.6
CATALYST	7.3	5.0	6.0	6.7	7.3	5.7	7.7	7.0	6.5
PPG-TF-148	7.0	5.7	6.7	7.0	7.3	5.7	6.3	7.0	6.5
PPG-TF-150	7.0	5.3	6.7	7.0	7.3	5.0	6.7	7.3	6.5
PPG-TF-169	7.3	6.7	7.0	6.3	7.3	5.3	6.3	6.3	6.5
BURL TF-69	.	5.3	6.0	6.3	7.7	5.0	7.0	7.3	6.4
CCR2	7.0	5.7	7.0	8.0	7.3	4.3	5.3	7.0	6.4
IS-TF 307 SEL	7.0	5.7	7.0	8.0	7.7	4.7	5.3	6.7	6.4
MET 6 SEL	7.3	5.3	6.3	6.7	7.0	5.3	6.3	7.7	6.4
MET-3	7.0	5.3	6.3	7.0	7.0	5.3	6.7	7.3	6.4
PPG-TF-137	7.3	5.0	6.3	7.3	6.7	5.3	7.0	7.3	6.4
SRX-TPC	7.0	5.3	6.7	7.3	6.3	5.3	6.7	7.3	6.4
T31	7.3	5.0	5.7	6.0	6.7	6.0	7.7	7.7	6.4
W41	7.0	6.0	6.7	7.0	6.7	5.0	6.3	7.0	6.4
ATF 1754	7.3	6.0	6.7	7.3	6.7	4.7	6.0	6.7	6.3
F711	7.3	5.7	7.0	7.7	6.7	4.3	5.7	7.0	6.3
HEMI	7.3	4.3	6.0	7.3	7.0	5.0	7.3	7.0	6.3
IS-TF 282 M2	7.0	5.7	6.3	6.7	7.0	4.7	6.0	8.0	6.3
IS-TF-287	6.7	6.0	6.7	6.7	6.7	5.0	6.7	6.7	6.3
LTP-TWUU	7.0	5.3	6.7	7.0	6.0	5.0	6.7	7.3	6.3
PPG-TF-157	7.0	4.3	6.3	7.7	7.3	5.0	6.7	6.7	6.3
PSG-PO1	7.0	4.7	6.3	7.0	7.7	5.7	6.3	6.7	6.3
RZ2	6.7	6.3	7.0	7.3	6.7	4.3	5.7	7.0	6.3
ATF 1612	7.0	4.3	6.3	7.3	6.7	4.7	7.0	7.0	6.2
ATF 1704	6.7	5.0	6.7	7.3	7.0	5.0	5.7	7.0	6.2
BULLSEYE	7.0	5.7	6.3	6.7	5.7	5.0	7.0	7.0	6.2
FALCON V	.	5.7	6.3	6.0	7.3	4.7	6.0	7.3	6.2
FIREBIRD 2	6.7	4.7	6.0	6.7	6.7	5.7	6.7	7.0	6.2
JS 916	6.7	5.3	6.3	7.0	7.0	5.0	6.0	6.7	6.2
K12-MCD	7.0	5.7	6.3	6.7	6.3	5.0	6.7	7.0	6.2
PPG-TF-156	7.7	6.0	7.0	7.3	6.3	4.7	5.3	6.7	6.2
PPG-TF-170	7.3	6.3	6.7	7.0	7.0	4.7	5.7	6.3	6.2
PST-5EV2	7.0	5.7	6.7	7.3	7.0	4.7	5.0	7.0	6.2
RHAMBLER 2 SRP (LSD)	7.3	4.7	6.0	7.0	7.3	5.0	6.0	7.3	6.2
B23	7.0	5.7	6.7	7.0	6.3	4.7	5.3	7.3	6.1
GTO (BURL TF-2)	7.0	4.7	6.3	7.3	6.0	5.3	6.7	6.7	6.1

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

NAME	GENETIC COLOR	MAY	JUN	JUL	AUG	OCT	NOV	DEC	MEAN
					QUALITY RATINGS				
IS-TF 289	7.0	5.3	6.0	6.7	5.7	5.7	5.7	7.7	6.1
IS-TF 311	7.7	5.3	5.7	5.7	6.0	5.7	6.7	7.7	6.1
RAD-TF-88	7.3	4.7	6.0	6.7	5.3	5.7	6.3	8.0	6.1
W45	7.0	5.3	6.0	6.3	6.0	5.3	6.7	7.0	6.1
BIZEM	7.0	5.7	6.7	7.0	5.7	4.7	5.0	7.0	6.0
DZ1	7.0	5.3	6.3	6.7	7.0	5.0	5.0	6.3	6.0
IS-TF 308 SEL	7.7	5.3	6.3	7.0	6.7	4.3	5.3	6.7	6.0
PICK-W43	7.0	5.3	6.0	6.0	7.3	5.0	5.7	6.3	6.0
PPG-TF-105	6.7	4.7	6.3	7.3	7.0	4.3	5.7	6.7	6.0
PPG-TF-115	7.0	5.3	6.0	6.3	6.7	5.3	5.3	7.0	6.0
PST-5BPO	7.0	5.7	6.0	6.0	6.7	5.0	6.0	6.3	6.0
PST-5BRK	7.0	5.3	6.7	7.0	6.3	4.3	6.0	6.0	6.0
PST-5EX2	6.0	6.0	6.0	5.3	5.3	5.0	7.3	7.3	6.0
PST-5GRB	7.0	6.0	6.0	5.7	6.3	5.3	6.3	6.0	6.0
REGENERATE	7.0	5.3	6.7	7.7	6.0	4.3	5.3	6.3	6.0
TERRANO	7.0	4.7	6.0	6.7	6.3	5.3	6.7	6.7	6.0
CAESAR (TY 10)	7.3	5.7	5.7	5.3	6.7	5.0	5.3	7.7	5.9
IS-TF 285	7.0	5.3	5.3	5.0	6.3	4.7	6.7	7.7	5.9
LTP-FSD	7.0	5.7	6.7	7.3	6.7	4.7	4.3	6.0	5.9
PPG-TF-139	7.0	5.0	5.3	5.3	6.7	5.3	6.7	6.7	5.9
U45	7.0	5.0	6.0	6.7	6.7	5.0	5.0	7.0	5.9
FALCON IV	.	5.3	5.3	5.0	6.3	4.7	6.7	7.3	5.8
HOT ROD (BURL TF-136)	7.3	5.0	6.3	7.0	6.0	4.7	4.7	6.7	5.8
INSPIRATION (PST-R5NW)	6.7	5.0	5.7	6.0	6.0	5.0	6.0	7.0	5.8
IS-TF 276 M2	6.7	5.0	5.7	6.0	6.0	4.3	5.7	7.7	5.8
IS-TF 305 SEL	6.7	5.3	5.7	5.7	6.0	4.7	6.0	7.3	5.8
PPG-TF-138	7.0	5.7	6.0	6.0	6.0	4.3	5.7	7.0	5.8
PPG-TF-151	7.3	5.0	6.0	6.7	7.7	4.3	5.0	6.0	5.8
PST-5DZP	6.0	4.7	6.0	6.3	5.7	5.0	6.0	7.0	5.8
PST-5MVD	7.0	5.7	6.3	6.0	6.0	4.7	5.0	7.0	5.8
SALTILLO (PST-5SALT)	7.0	4.7	5.7	6.0	6.7	4.7	6.0	6.7	5.8
ATF 1736	7.0	5.7	6.7	6.7	5.7	4.7	4.7	5.7	5.7
COMP. RES. SST	7.3	4.0	4.7	5.3	6.3	5.3	6.7	7.7	5.7
GO-DFR	7.7	4.7	5.3	5.7	6.0	5.0	6.3	7.0	5.7
LTP-F5DPDR	7.3	5.0	5.7	6.0	5.3	5.0	6.0	6.7	5.7
PPG-TF-135	7.0	5.0	6.0	6.3	6.7	5.0	4.3	6.7	5.7
PSG-TT4	7.0	5.0	6.0	6.0	6.0	4.7	5.0	7.0	5.7
RAD-TF-89	7.0	5.3	5.7	5.7	6.3	4.3	5.3	7.3	5.7
RAD-TF-92	7.3	4.3	5.3	5.7	6.3	4.3	6.7	7.0	5.7
IS-TF 269 SEL	7.3	4.0	5.0	5.7	5.7	5.3	6.0	7.3	5.6
IS-TF 272	7.0	3.7	5.0	6.3	6.0	4.7	6.3	7.0	5.6
JS 818	7.3	4.0	5.7	6.3	5.0	5.7	6.0	6.7	5.6
PPG-TF-145	7.0	4.3	5.0	5.3	5.7	5.3	6.0	7.3	5.6
PSG-8BP2	6.7	4.0	5.0	5.7	6.3	5.0	6.0	7.0	5.6
TEMPTATION (OR-21)	7.3	5.7	5.7	5.0	6.7	4.7	5.0	6.3	5.6

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		MAY	JUN	JUL	AUG	OCT	NOV	DEC	MEAN
IS-TF 310 SEL	7.0	5.7	6.0	6.3	6.0	4.3	4.3	6.0	5.5
RAIN DANCE (PST-5SDT)	7.0	4.7	5.3	5.7	5.7	4.7	5.7	7.0	5.5
AQUADUCT	8.0	5.0	5.0	4.7	6.0	4.3	5.7	7.0	5.4
BAR FA 121091	7.0	4.3	5.0	5.0	6.3	5.0	5.7	6.7	5.4
GRANDE 3	7.0	3.3	5.0	6.0	6.3	4.7	5.0	7.3	5.4
IS-TF 330	7.3	4.3	5.3	6.0	4.7	5.0	5.0	7.3	5.4
JS 819	7.0	4.7	5.3	5.7	6.3	4.7	4.7	6.7	5.4
PSG-GSD	7.0	4.7	5.3	6.0	5.0	4.3	5.7	7.0	5.4
RAD-TF-83	7.0	4.7	5.0	5.0	5.3	5.3	5.7	7.0	5.4
BAR FA 121095	7.0	4.0	4.7	5.3	5.0	5.3	6.3	6.3	5.3
MARAUDER	7.3	4.0	4.3	4.3	5.7	5.3	6.3	7.3	5.3
BAR FA 120878	7.7	4.7	4.7	4.7	5.0	5.0	5.3	7.0	5.2
FRONTLINE (EXP TF-09)	7.0	5.3	5.3	4.3	5.7	4.7	5.3	6.0	5.2
JS 825	6.7	4.0	4.7	5.0	5.3	4.7	5.7	7.3	5.2
K12-05	7.7	4.0	5.0	5.7	5.3	4.3	5.0	7.0	5.2
PPG-TF-142	6.3	4.7	5.7	6.0	6.0	4.3	4.0	5.7	5.2
IS-TF 284 M2	7.0	4.7	5.0	4.7	6.0	4.3	4.7	6.7	5.1
204 RES. BLK4	7.3	4.3	5.0	5.0	6.3	4.0	4.7	6.0	5.0
BAR FA 121089	7.3	4.0	4.3	4.3	5.0	5.0	5.7	6.7	5.0
DB1	6.7	3.3	5.0	6.3	5.3	4.7	4.7	6.0	5.0
JS 809	6.3	4.3	4.3	4.3	5.3	4.7	5.0	6.7	5.0
TD1	6.7	4.0	4.3	4.7	5.7	5.0	5.3	6.3	5.0
WARHAWK	6.3	4.0	4.7	5.0	6.3	4.0	4.7	6.3	5.0
ANNIHILATOR LEDEBOER	6.7	4.0	5.0	5.7	5.0	4.3	4.7	5.7	4.9
K12-13	6.3	3.3	4.3	5.0	5.3	5.3	4.7	5.7	4.8
KY-31	7.0	5.0	5.0	4.3	4.7	3.3	4.3	5.0	4.5
LSD VALUE	1.8	1.4	1.1	1.6	2.1	2.1	2.8	3.0	0.9
C.V. (%)	7.5	15.0	11.3	14.8	15.5	14.4	19.9	12.8	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 O.05).

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

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	% COVER BEFORE TRAFFIC IN AUGUST		% COVER MID-SEASON TRAFFIC IN OCTOBER		% COVER END OF TRAFFIC EARLY NOVEMBER		% COVER 2-WEEKS AFTER TRAFFIC MID-NOVEMBER	
	GREEN	BARE	GREEN	STRAW	GREEN	STRAW	GREEN	STRAW
ZW 44	99	0	53.3	36.7	85.0	6.7	83.3	3.3
MET 1	99	0	58.3	38.3	70.0	8.3	78.3	6.7
PPG-TF-172	99	0	51.7	38.3	73.3	6.7	83.3	0.0
FAITH	99	0	65.0	30.0	81.7	5.0	90.0	0.0
IS-TF 291	99	0	60.0	33.3	75.0	5.0	81.7	5.0
FESNOVA	99	0	50.0	40.0	71.7	11.7	78.3	6.7
PPG-TF-152	99	0	51.7	36.7	76.7	5.0	81.7	1.7
PSG-WE1	99	0	60.0	38.3	78.3	5.0	83.3	1.7
PST-5RO5	99	0	53.3	35.0	85.0	5.0	85.0	0.0
U43	99	0	63.3	33.3	66.7	8.3	75.0	3.3
CATALYST	99	0	65.0	31.7	81.7	6.7	76.7	5.0
PPG-TF-148	99	0	56.7	40.0	71.7	5.0	80.0	5.0
PPG-TF-150	99	0	56.7	35.0	75.0	5.0	78.3	0.0
PPG-TF-169	99	0	48.3	45.0	71.7	6.7	68.3	10.0
BURL TF-69	99	0	51.7	40.0	68.3	8.3	76.7	5.0
CCR2	99	0	46.7	41.7	68.3	15.0	73.3	3.3
IS-TF 307 SEL	99	0	50.0	33.3	58.3	13.3	71.7	3.3
MET 6 SEL	99	0	56.7	36.7	71.7	8.3	85.0	1.7
MET-3	99	0	58.3	38.3	71.7	6.7	80.0	5.0
PPG-TF-137	99	0	60.0	36.7	73.3	5.0	81.7	0.0
SRX-TPC	99	0	56.7	38.3	76.7	5.0	80.0	3.3
T31	99	0	60.0	33.3	80.0	5.0	83.3	0.0
W41	99	0	50.0	41.7	75.0	5.0	80.0	6.7
ATF 1754	99	0	46.7	40.0	70.0	11.7	76.7	5.0
F711	99	0	50.0	43.3	70.0	8.3	71.7	5.0
HEMI	99	0	53.3	41.7	78.3	8.3	76.7	3.3
IS-TF 282 M2	99	0	50.0	40.0	75.0	10.0	80.0	0.0
IS-TF-287	99	0	51.7	36.7	71.7	8.3	76.7	5.0
LTP-TWUU	99	0	50.0	40.0	70.0	10.0	80.0	5.0
PPG-TF-157	99	0	51.7	38.3	73.3	6.7	78.3	3.3
PSG-PO1	99	0	63.3	31.7	71.7	8.3	80.0	10.0
RZ2	99	0	43.3	38.3	66.7	5.0	71.7	10.0
ATF 1612	99	0	50.0	40.0	76.7	5.0	80.0	3.3
ATF 1704	99	0	46.7	38.3	65.0	10.0	80.0	3.3
BULLSEYE	99	0	56.7	33.3	75.0	6.7	76.7	6.7
FALCON V	99	0	50.0	36.7	71.7	5.0	76.7	3.3
FIREBIRD 2	99	0	60.0	36.7	73.3	6.7	76.7	1.7
JS 916	99	0	53.3	40.0	65.0	10.0	80.0	6.7
K12-MCD	99	0	55.0	36.7	70.0	5.0	81.7	1.7
PPG-TF-156	99	0	50.0	43.3	60.0	11.7	70.0	13.3
PPG-TF-170	99	0	48.3	38.3	70.0	6.7	70.0	6.7
PST-5EV2	99	0	46.7	40.0	61.7	16.7	75.0	5.0
RHAMBLER 2 SRP (LSD)	99	0	53.3	40.0	70.0	8.3	76.7	3.3
B23	99	0	43.3	45.0	61.7	10.0	80.0	3.3
GTO (BURL TF-2)	99	0	53.3	38.3	80.0	11.7	66.7	11.7

TABLE 14. (CONT'D)   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
                            GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
                                              2013 DATA
                            TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	% COVER BEFORE TRAFFIC IN AUGUST		% COVER MID-SEASON TRAFFIC IN OCTOBER		% COVER END OF TRAFFIC EARLY NOVEMBER		% COVER 2-WEEKS AFTER TRAFFIC MID-NOVEMBER	
	GREEN	BARE	GREEN	STRAW	GREEN	STRAW	GREEN	STRAW
IS-TF 289	99	0	61.7	26.7	66.7	5.0	81.7	3.3
IS-TF 311	99	0	58.3	36.7	75.0	6.7	83.3	3.3
RAD-TF-88	99	0	61.7	33.3	75.0	5.0	81.7	1.7
W45	99	0	56.7	36.7	68.3	11.7	83.3	8.3
BIZEM	99	0	50.0	41.7	61.7	13.3	75.0	10.0
DZ1	99	0	50.0	40.0	56.7	8.3	71.7	5.0
IS-TF 308 SEL	99	0	43.3	43.3	65.0	10.0	68.3	10.0
PICK-W43	99	0	50.0	38.3	63.3	11.7	71.7	6.7
PPG-TF-105	99	0	45.0	38.3	66.7	8.3	73.3	6.7
PPG-TF-115	99	0	55.0	36.7	65.0	8.3	73.3	3.3
PST-5BPO	99	0	53.3	40.0	71.7	6.7	70.0	13.3
PST-5BRK	99	0	43.3	43.3	65.0	6.7	66.7	6.7
PST-5EX2	99	0	53.3	38.3	83.3	5.0	80.0	6.7
PST-5GRB	99	0	58.3	33.3	73.3	6.7	68.3	10.0
REGENERATE	99	0	46.7	40.0	60.0	11.7	73.3	5.0
TERRANO	99	0	58.3	33.3	73.3	15.0	78.3	1.7
CAESAR (TY 10)	99	0	50.0	40.0	61.7	10.0	85.0	1.7
IS-TF 285	99	0	46.7	41.7	68.3	11.7	83.3	3.3
LTP-FSD	99	0	43.3	45.0	55.0	13.3	66.7	13.3
PPG-TF-139	99	0	58.3	35.0	78.3	6.7	75.0	1.7
U45	99	0	53.3	38.3	61.7	8.3	76.7	8.3
FALCON IV	99	0	48.3	40.0	71.7	5.0	80.0	0.0
HOT ROD (BURL TF-136)	99	0	50.0	35.0	55.0	15.0	66.7	10.0
INSPIRATION (PST-R5NW)	99	0	50.0	40.0	75.0	5.0	71.7	8.3
IS-TF 276 M2	99	0	43.3	43.3	63.3	8.3	78.3	5.0
IS-TF 305 SEL	99	0	48.3	41.7	73.3	6.7	76.7	1.7
PPG-TF-138	99	0	45.0	40.0	63.3	5.0	75.0	1.7
PPG-TF-151	99	0	43.3	43.3	51.7	13.3	61.7	10.0
PST-5DZP	99	0	53.3	41.7	66.7	6.7	75.0	6.7
PST-5MVD	99	0	48.3	40.0	66.7	11.7	76.7	11.7
SALTILLO (PST-5SALT)	99	0	50.0	31.7	68.3	6.7	70.0	0.0
ATF 1736	99	0	43.3	40.0	55.0	11.7	66.7	13.3
COMP. RES. SST	99	0	60.0	35.0	75.0	5.0	85.0	1.7
GO-DFR	99	0	45.0	36.7	73.3	5.0	75.0	3.3
LTP-F5DPDR	99	0	51.7	40.0	71.7	11.7	78.3	8.3
PPG-TF-135	99	0	48.3	43.3	55.0	10.0	71.7	5.0
PSG-TT4	99	0	48.3	35.0	63.3	5.0	71.7	3.3
RAD-TF-89	99	0	50.0	38.3	58.3	8.3	73.3	6.7
RAD-TF-92	99	0	48.3	43.3	66.7	5.0	73.3	3.3
IS-TF 269 SEL	99	0	56.7	38.3	65.0	11.7	78.3	5.0
IS-TF 272	99	0	48.3	38.3	66.7	13.3	73.3	3.3
JS 818	99	0	56.7	36.7	70.0	11.7	73.3	1.7
PPG-TF-145	99	0	55.0	40.0	70.0	8.3	80.0	5.0
PSG-8BP2	99	0	65.0	31.7	61.7	10.0	80.0	5.0
TEMPTATION (OR-21)	99	0	51.7	35.0	55.0	13.3	66.7	13.3

TABLE 14. (CONT'D)   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
                              GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
                                              2013 DATA

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

	% COVER BEFORE TRAFFIC IN AUGUST		% COVER MID-SEASON TRAFFIC IN OCTOBER		% COVER END OF TRAFFIC EARLY NOVEMBER		% COVER 2-WEEKS AFTER TRAFFIC MID-NOVEMBER	
NAME	GREEN	BARE	GREEN	STRAW	GREEN	STRAW	GREEN	STRAW
IS-TF 310 SEL	99	0	50.0	40.0	55.0	10.0	66.7	10.0
RAIN DANCE (PST-5SDT)	99	0	46.7	33.3	61.7	6.7	78.3	8.3
AQUADUCT	99	0	50.0	43.3	66.7	10.0	73.3	6.7
BAR FA 121091	99	0	50.0	40.0	63.3	6.7	73.3	1.7
GRANDE 3	99	0	46.7	43.3	60.0	8.3	73.3	6.7
IS-TF 330	99	0	51.7	40.0	56.7	13.3	80.0	5.0
JS 819	99	0	46.7	38.3	53.3	8.3	68.3	8.3
PSG-GSD	99	0	53.3	35.0	68.3	10.0	75.0	10.0
RAD-TF-83	99	0	53.3	36.7	63.3	8.3	75.0	5.0
BAR FA 121095	99	0	55.0	38.3	75.0	5.0	73.3	6.7
MARAUDER	99	0	53.3	36.7	68.3	8.3	80.0	3.3
BAR FA 120878	99	0	51.7	40.0	60.0	6.7	80.0	6.7
FRONTLINE (EXP TF-09)	99	0	46.7	38.3	63.3	13.3	71.7	11.7
JS 825	99	0	48.3	36.7	65.0	6.7	75.0	6.7
K12-05	99	0	40.0	45.0	60.0	16.7	71.7	3.3
PPG-TF-142	99	0	41.7	38.3	48.3	6.7	61.7	10.0
IS-TF 284 M2	99	0	46.7	41.7	56.7	11.7	66.7	11.7
204 RES. BLK4	99	0	40.0	36.7	50.0	13.3	68.3	15.0
BAR FA 121089	99	0	50.0	40.0	65.0	10.0	75.0	6.7
DB1	99	0	48.3	36.7	58.3	6.7	65.0	8.3
JS 809	99	0	51.7	40.0	66.7	5.0	75.0	8.3
TD1	99	0	55.0	35.0	65.0	15.0	70.0	10.0
WARHAWK	99	0	43.3	40.0	51.7	18.3	68.3	13.3
ANNIHILATOR LEDEBOER	99	0	43.3	40.0	56.7	5.0	65.0	15.0
K12-13	99	0	55.0	33.3	56.7	11.7	68.3	13.3
KY-31	99	0	30.0	41.7	46.7	16.7	58.3	16.7
LSD VALUE	0	0	18.8	29.4	24.6	18.8	30.5	23.5
C.V. (%)	0	.	15.7	16.1	16.1	60.8	12.1	108.0

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 15.   GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
                                                2013 DATA

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

NAME   AR1   CT1   GA1   IL1   IN1   MO1   MS1   NC1   NE1   NJ2   OK1   TN1   UT1   VA1   MEAN

TEMPTATION (OR-21)   8.3   8.0   7.0   6.3   8.7   8.0   6.0   7.7   6.3   9.0   5.7   8.0   7.7   7.3   7.4
RAD-TF-83   8.0   7.0   7.0   5.7   9.0   8.0   6.7   7.3   7.0   9.0   5.3   8.0   7.3   7.0   7.3
CAESAR (TY 10)   8.0   7.7   6.5   5.3   8.3   7.3   6.3   7.7   7.0   8.7   5.3   8.7   7.7   7.3   7.3
IS-TF 289   8.7   6.7   7.0   5.7   8.7   7.3   7.0   7.7   7.0   7.7   5.3   8.3   7.3   7.0   7.2
IS-TF 272   8.0   7.0   6.5   5.3   8.3   8.0   7.0   7.3   7.0   8.3   5.7   7.7   7.3   7.0   7.2
IS-TF 330   8.3   7.0   7.0   5.7   7.3   7.7   6.7   7.3   6.7   9.0   4.7   8.3   7.3   7.3   7.2
K12-05   8.3   6.7   6.3   5.7   7.3   8.0   7.0   6.3   7.0   8.7   5.3   8.3   7.0   7.7   7.1
TD1   8.3   6.0   7.0   6.0   7.7   7.7   7.0   7.0   7.0   8.3   5.7   8.0   7.3   6.7   7.1
RAD-TF-89   7.7   7.0   7.0   6.3   8.0   8.0   6.3   6.7   6.7   9.0   5.7   6.3   7.7   7.0   7.1
IS-TF 282 M2   7.7   6.7   7.0   5.7   8.3   7.0   6.3   7.7   7.0   8.3   5.0   8.0   7.3   7.0   7.1
FRONTLINE (EXP TF-09) 7.3 7.3   6.5   5.7   8.3   7.7   6.3   7.7   7.0   8.0   5.0   8.0   7.0   7.0   7.1
IS-TF 284 M2   8.0   7.0   6.0   5.7   8.0   7.0   6.7   7.0   6.3   8.0   5.7   8.7   7.7   7.0   7.0
DB1   8.0   6.0   6.7   6.0   7.7   7.0   7.0   7.3   6.7   8.3   5.7   8.3   7.3   6.7   7.0
PPG-TF-142   8.0   7.7   6.0   6.0   8.7   7.0   7.0   7.7   6.7   7.3   5.3   8.0   7.0   6.3   7.0
PPG-TF-145   8.0   6.7   7.0   6.0   7.3   7.3   7.0   7.0   7.0   8.0   5.3   7.7   7.0   7.0   7.0
RAD-TF-88   7.7   6.7   7.0   5.7   8.0   8.0   6.0   6.3   7.0   8.7   5.7   7.3   7.0   7.3   7.0
JS 818   7.7   7.0   .   5.7   7.0   7.7   7.0   7.0   6.3   8.0   5.0   8.0   7.3   7.3   7.0
RAD-TF-92   7.3   6.7   7.0   5.7   8.0   8.0   6.3   7.0   6.7   7.7   5.3   7.7   7.3   7.3   7.0
IS-TF 307 SEL   8.0   6.7   7.0   5.7   7.3   7.0   7.0   7.0   6.0   8.0   4.7   8.3   7.7   7.0   7.0
IS-TF 291   7.7   6.7   7.0   5.7   8.0   7.0   6.0   7.7   7.0   8.0   5.3   7.3   7.0   7.0   7.0
PPG-TF-157   7.7   7.3   6.0   5.7   7.7   7.7   6.0   7.3   6.7   8.3   5.3   7.3   7.3   7.0   7.0
IS-TF 308 SEL   7.3   6.3   7.0   6.0   7.3   7.0   6.0   7.7   7.0   7.0   5.3   8.0   7.3   7.7   6.9
IS-TF 310 SEL   7.3   6.7   7.0   5.3   8.0   8.0   6.7   7.3   6.7   6.7   5.3   7.7   7.3   7.0   6.9
BAR FA 121095   7.7   6.7   7.0   6.3   7.3   7.7   7.0   6.7   6.7   7.0   5.0   7.7   7.0   7.0   6.9
DZ1   7.7   6.0   7.0   6.0   7.7   7.0   6.0   7.3   6.3   7.7   5.0   8.3   7.3   7.0   6.9
JS 916   7.3   7.0   7.0   5.3   7.3   7.0   6.0   7.3   6.7   7.3   6.0   7.7   7.3   6.7   6.9
IS-TF 285   7.3   6.0   7.0   6.0   7.0   7.0   6.0   7.0   7.0   7.3   5.3   8.0   7.7   7.0   6.8
PPG-TF-152   7.3   6.3   6.7   5.7   7.0   7.3   6.0   7.7   6.3   7.7   5.3   8.3   7.0   7.0   6.8
PPG-TF-105   7.3   6.3   6.5   6.0   7.3   7.7   6.0   7.0   6.3   7.7   5.3   7.7   7.7   6.7   6.8
IS-TF 305 SEL   8.0   6.7   6.5   5.3   8.0   6.5   6.3   6.7   7.0   8.0   4.7   7.7   7.3   6.7   6.8
K12-13   8.3   5.7   6.7   5.7   8.0   7.3   7.7   6.3   6.7   6.3   5.7   8.0   6.7   6.3   6.8
BURL TF-69   7.0   6.7   7.0   5.7   8.0   7.0   6.0   6.3   6.7   8.0   5.0   7.3   7.7   .   6.8
BAR FA 121091   7.3   7.0   6.0   6.3   7.7   7.3   6.0   7.0   6.3   8.0   5.0   7.3   6.7   7.0   6.8
GO-DFR   7.0   6.3   7.0   5.3   7.7   7.3   6.3   6.7   6.7   7.0   5.3   8.0   6.7   7.7   6.8
IS-TF 276 M2   7.3   6.7   6.5   5.7   7.3   7.7   6.0   7.7   6.3   7.3   4.7   7.7   7.0   6.7   6.8
IS-TF 269 SEL   7.3   6.0   .   5.3   8.0   7.0   6.3   6.7   6.7   7.7   5.3   7.0   7.0   7.3   6.7
BULLSEYE   7.7   6.0   6.0   5.3   7.3   7.3   6.0   7.7   6.3   7.3   5.3   7.7   7.3   7.0   6.7
PPG-TF-115   7.0   6.0   7.0   6.0   7.0   7.7   6.3   7.0   6.3   7.3   5.3   7.3   7.0   7.0   6.7
B23   7.0   6.3   7.0   5.7   7.7   7.7   6.7   6.7   7.0   7.0   5.0   7.3   6.3   7.0   6.7
FESNOVA   7.3   6.3   7.0   5.7   7.3   6.3   6.0   7.7   6.3   6.7   5.3   7.7   7.7   6.7   6.7
PSG-PO1   7.3   6.3   7.0   6.3   7.0   7.3   6.3   7.3   6.3   6.3   5.0   7.3   7.0   7.0   6.7

                                                  55

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

NAME	AR1	CT1	GA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	TN1	UT1	VA1	MEAN
U45	7.3	6.0	6.5	5.3	7.0	7.3	6.3	7.0	6.7	6.3	6.0	7.7	7.0	7.0	6.7
W45	7.3	5.0	6.0	5.7	7.3	8.0	6.3	7.0	6.0	7.3	5.3	7.3	7.7	7.0	6.7
JS 809	7.7	6.3	6.5	5.3	7.3	7.7	6.7	6.7	6.7	7.0	5.0	8.0	6.0	6.3	6.7
PPG-TF-170	7.0	6.7	6.3	5.7	7.7	7.3	6.0	6.7	7.0	6.7	4.7	7.3	6.7	7.3	6.6
JS 819	7.0	6.3	6.5	5.7	6.3	7.3	6.3	7.3	6.7	6.7	4.7	7.7	7.0	7.0	6.6
PPG-TF-151	6.7	6.0	6.5	6.0	7.0	7.0	6.0	7.7	6.3	6.7	5.7	7.3	6.3	7.3	6.6
FAITH	7.0	6.3	6.5	5.7	7.7	6.3	6.0	6.7	6.7	7.3	5.3	7.3	7.0	6.7	6.6
W41	7.3	6.0	6.3	6.0	7.3	7.0	6.0	6.7	6.3	7.0	5.0	7.3	7.0	7.0	6.6
GTO (BURL TF-2)	6.7	6.0	6.5	6.0	7.0	8.0	6.0	7.3	6.7	7.0	4.3	7.0	6.7	7.0	6.6
U43	6.7	6.0	6.0	5.7	7.3	7.0	6.0	7.3	6.3	7.0	5.0	7.7	6.7	7.3	6.6
FIREBIRD 2	7.0	5.7	7.0	5.7	7.0	7.0	6.0	6.3	6.7	6.7	5.0	8.0	7.3	6.7	6.6
MET-3	7.3	5.3	6.7	6.0	7.3	7.0	6.0	6.7	6.7	7.0	5.0	7.0	7.0	7.0	6.6
PPG-TF-137	7.7	6.0	6.0	6.0	7.7	7.3	6.3	6.7	6.7	5.7	5.0	7.0	6.7	7.3	6.6
PSG-WE1	6.7	6.3	6.5	5.7	7.0	7.3	6.0	6.7	7.0	6.7	5.3	7.0	7.0	6.7	6.6
PPG-TF-139	7.0	5.3	7.0	6.0	7.3	6.0	6.0	7.3	6.3	7.3	5.0	7.3	6.7	7.0	6.5
TERRANO	7.3	6.0	7.0	5.3	6.7	7.0	6.0	6.7	6.7	6.7	5.0	7.3	7.0	7.0	6.5
PPG-TF-138	7.0	5.0	6.7	6.0	7.0	7.3	6.0	6.3	6.7	6.7	4.3	7.7	7.7	7.0	6.5
PPG-TF-150	7.0	6.0	7.0	5.7	7.0	6.7	6.0	6.3	6.7	6.7	4.7	7.7	7.0	7.0	6.5
REGENERATE	7.0	5.3	6.0	5.7	7.0	7.7	6.0	6.7	6.7	7.3	5.3	7.0	6.7	7.0	6.5
BIZEM	6.7	5.3	6.3	6.0	7.0	7.3	6.0	6.7	7.0	6.0	5.3	7.3	7.3	7.0	6.5
IS-TF 311	7.0	6.3	6.5	6.0	7.3	7.0	6.0	6.7	6.0	6.0	4.3	7.3	7.0	7.7	6.5
HOT ROD (BURL TF-136)	7.0	5.3	6.0	5.7	7.7	7.0	6.0	7.3	6.7	6.7	4.7	7.0	6.7	7.3	6.5
CCR2	7.0	5.3	7.0	6.0	7.3	7.0	6.0	6.7	6.3	6.7	4.7	7.0	6.7	7.0	6.5
IS-TF-287	7.0	6.0	6.7	5.0	7.3	6.7	6.0	6.0	6.7	7.7	4.7	7.3	7.0	6.7	6.5
PICK-W43	7.3	6.3	6.7	5.7	7.3	7.3	6.0	6.3	6.3	5.3	5.3	7.0	6.7	7.0	6.5
PPG-TF-156	7.0	5.3	6.0	6.0	7.0	6.7	6.0	6.3	6.7	6.7	5.3	7.0	7.0	7.7	6.5
PSG-8BP2	7.0	6.3	6.0	5.0	7.3	7.0	6.0	6.7	7.0	6.7	4.3	8.0	6.7	6.7	6.5
SRX-TPC	7.0	6.0	6.5	6.3	6.7	7.0	6.0	6.7	6.7	6.3	4.7	7.0	6.7	7.0	6.5
ANNIHILATOR LEDEBOER	7.0	7.0	6.0	6.0	6.3	6.7	5.7	7.3	6.3	7.3	4.3	6.7	7.0	6.7	6.5
LTP-FSD	7.0	5.7	7.0	6.0	7.0	6.7	6.0	7.0	6.7	5.7	4.7	7.3	6.7	7.0	6.5
F711	7.0	5.0	6.0	5.3	7.3	6.7	6.0	6.3	6.7	7.3	4.7	7.7	7.0	7.3	6.5
JS 825	7.0	7.0	6.3	5.3	7.0	6.3	6.0	7.0	6.7	7.3	4.3	7.3	6.0	6.7	6.5
ATF 1612	7.0	5.7	6.7	5.7	6.3	7.0	6.0	7.3	6.3	5.7	5.0	7.3	7.0	7.0	6.4
K12-MCD	7.0	6.3	7.0	5.7	7.0	7.0	6.0	6.3	6.3	5.3	4.7	7.3	7.0	7.0	6.4
PPG-TF-135	7.0	5.7	6.5	6.0	7.0	6.7	6.0	6.7	6.0	6.0	5.3	6.7	7.3	7.0	6.4
FALCON V	7.0	6.3	6.0	6.0	8.0	6.0	6.0	6.3	7.0	6.3	5.0	6.7	6.7	.	6.4
FALCON IV	6.7	6.3	6.0	5.3	7.7	7.0	5.7	7.3	6.7	6.0	5.3	6.7	6.7	.	6.4
COMP. RES. SST	7.0	6.7	6.0	5.0	6.3	7.3	6.3	7.7	6.0	5.7	4.7	6.7	6.7	7.3	6.4
PPG-TF-172	6.7	5.3	6.0	5.7	7.0	6.3	6.0	6.7	6.3	6.7	5.3	7.3	6.7	7.3	6.4
WARHAWK	7.0	7.7	6.0	6.0	6.7	7.0	6.0	6.7	6.3	6.3	4.0	6.3	7.0	6.3	6.4
RHAMBLER 2 SRP (LSD)	7.0	5.7	6.5	5.7	7.3	6.7	6.0	6.7	6.0	6.0	4.0	7.0	7.3	7.3	6.4
ZW 44	7.0	5.3	7.5	5.7	6.7	7.3	6.0	5.3	6.3	6.0	5.3	7.3	7.0	6.3	6.4

TABLE 15. (CONT'D)   GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	AR1	CT1	GA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	TN1	UT1	VA1	MEAN
MET 1	6.7	5.7	6.5	5.3	7.3	7.0	6.0	6.7	6.7	5.7	4.7	7.3	6.7	6.7	6.3
LTP-TWUU	7.0	5.7	6.0	5.7	7.0	6.7	5.7	7.3	6.3	6.0	4.7	7.0	6.7	7.0	6.3
PSG-TT4	7.0	6.7	6.0	5.7	7.3	6.0	6.0	6.3	6.7	5.3	5.0	7.0	6.7	7.0	6.3
PST-5MVD	7.0	5.7	6.5	5.7	7.3	6.3	6.0	6.3	6.3	5.3	5.3	7.0	6.7	7.0	6.3
GRANDE 3	7.0	6.3	6.3	5.7	7.3	6.3	5.3	7.3	6.3	6.0	5.0	5.7	6.7	7.0	6.3
T31	7.0	5.7	6.0	5.7	7.3	6.7	6.0	6.3	6.7	5.0	5.0	7.0	6.7	7.3	6.3
BAR FA 121089	7.0	6.0	6.0	5.3	7.3	6.3	6.0	6.7	6.3	6.7	4.7	6.7	6.0	7.3	6.3
LTP-F5DPDR	7.0	5.7	6.7	6.0	6.7	6.3	6.0	7.0	6.0	5.7	4.7	7.3	6.0	7.3	6.3
HEMI	7.0	5.7	6.3	5.3	6.7	6.7	6.0	6.0	6.0	5.7	5.3	7.0	7.3	7.3	6.3
PST-5DZP	7.0	5.7	6.0	5.7	6.7	7.0	6.3	6.7	7.0	6.7	4.3	6.3	6.7	6.0	6.3
SALTILLO (PST-5SALT)	6.3	5.3	7.0	6.0	6.7	7.0	6.0	6.3	6.0	6.0	4.7	7.0	6.7	7.0	6.3
PST-5RO5	6.7	6.0	6.5	5.7	6.0	7.0	6.0	6.3	6.3	5.7	5.0	7.0	6.7	7.0	6.3
MARAUDER	7.0	6.3	7.0	5.7	6.7	5.7	6.0	7.0	6.0	5.7	4.7	6.7	6.0	7.3	6.3
PPG-TF-148	6.7	5.0	.	5.7	6.7	6.3	6.0	6.3	6.3	5.7	5.0	6.7	7.7	7.0	6.2
PPG-TF-169	6.7	5.7	6.3	6.0	6.7	6.3	5.3	6.3	6.0	6.0	5.7	6.7	6.0	7.3	6.2
PST-5GRB	7.0	5.7	7.0	4.7	7.0	6.3	5.3	6.7	6.3	5.3	4.7	6.7	6.7	7.0	6.2
CATALYST	6.0	6.3	6.0	6.0	7.0	7.0	5.7	6.3	6.0	4.3	5.3	6.3	6.7	7.3	6.2
INSPIRATION (PST-R5NW)	6.7	5.3	6.5	5.3	7.3	6.3	6.0	6.7	6.7	5.3	5.0	6.3	6.0	6.7	6.2
AQUADUCT	6.7	6.0	6.0	5.3	6.7	6.7	5.3	6.7	6.0	5.3	4.7	5.7	6.7	8.0	6.1
RZ2	7.0	5.0	6.0	5.3	7.3	6.3	6.0	6.3	6.7	5.3	4.7	6.7	6.3	6.7	6.1
PSG-GSD	6.3	5.3	5.7	5.7	7.0	7.0	6.0	6.7	6.3	4.7	4.7	7.0	6.3	7.0	6.1
204 RES. BLK4	6.3	5.3	6.0	5.3	6.0	7.0	6.0	7.3	6.3	4.3	5.0	6.3	6.7	7.3	6.1
ATF 1736	6.7	4.7	6.0	5.3	7.0	6.7	5.7	6.7	6.7	5.7	5.0	6.0	6.3	7.0	6.1
MET 6 SEL	7.0	5.0	6.0	5.3	6.7	6.7	6.0	6.3	6.3	5.0	4.7	7.0	6.0	7.3	6.1
PST-5EV2	7.0	5.0	6.5	5.7	6.3	6.3	6.0	5.7	6.3	5.3	4.7	6.7	6.7	7.0	6.1
ATF 1704	6.7	6.0	6.7	6.0	6.3	6.3	5.0	6.3	6.0	5.3	3.7	6.7	7.0	6.7	6.0
PST-5BRK	6.3	5.0	6.0	6.0	6.0	6.0	5.3	6.7	6.0	5.0	4.3	7.3	7.7	7.0	6.0
PST-5BPO	6.3	5.3	6.3	5.0	6.7	6.0	5.7	6.3	6.7	5.0	4.7	7.0	6.0	7.0	6.0
RAIN DANCE (PST-5SDT)	6.3	4.3	6.7	4.7	6.3	6.7	5.7	7.0	6.3	5.7	4.7	5.7	5.7	7.0	5.9
ATF 1754	6.7	5.3	6.0	5.3	6.7	6.3	5.3	5.7	5.7	4.7	4.7	6.0	7.0	7.3	5.9
PST-5EX2	6.0	6.0	6.0	5.3	6.7	5.0	5.0	6.3	6.3	3.7	3.7	7.0	6.7	6.0	5.7
BAR FA 120878	5.3	4.7	6.0	6.0	5.7	5.7	5.0	6.3	6.0	3.7	4.3	5.3	5.0	7.7	5.5
KY-31	3.3	2.0	5.0	3.0	4.0	4.0	4.0	3.0	4.0	1.0	3.0	3.7	2.7	7.0	3.5
LSD VALUE	0.7	1.2	1.4	1.0	0.9	1.1	0.5	0.9	0.8	1.4	1.4	1.1	0.9	0.8	0.3
C.V. (%)	6.1	12.2	9.8	10.8	8.1	9.9	5.3	7.8	8.0	12.9	18.1	9.5	8.6	7.5	9.7

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

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

TABLE 16.   SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
                                                  2013 DATA

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

NAME	IL1	NE1	NJ1	MEAN	NAME	IL1	NE1	NJ1	MEAN
RAD-TF-83	7.3	7.0	7.7	7.3	PST-5EV2	7.0	6.0	7.0	6.7
PPG-TF-148	7.0	6.3	8.3	7.2	PST-5RO5	7.3	6.3	6.3	6.7
PPG-TF-170	6.3	6.7	8.7	7.2	T31	6.3	6.3	7.3	6.7
FALCON V	7.7	6.0	7.7	7.1	IS-TF 307 SEL	7.0	7.0	5.7	6.6
LTP-TWUU	6.7	6.7	8.0	7.1	U45	6.7	7.0	6.0	6.6
PSG-GSD	6.7	6.3	8.3	7.1	ATF 1704	6.3	6.0	7.3	6.6
BIZEM	6.7	6.7	7.7	7.0	F711	7.0	6.3	6.3	6.6
BULLSEYE	6.7	6.7	7.7	7.0	FAITH	6.3	6.3	7.0	6.6
PPG-TF-157	7.3	7.0	6.7	7.0	LTP-FSD	6.3	6.3	7.0	6.6
REGENERATE	6.7	7.0	7.3	7.0	MET-3	6.3	6.0	7.3	6.6
RZ2	6.7	7.0	7.3	7.0	PPG-TF-139	6.3	7.0	6.3	6.6
CATALYST	7.7	5.7	7.3	6.9	PST-5EX2	7.3	5.3	7.0	6.6
PPG-TF-156	5.7	6.7	8.3	6.9	BURL TF-69	5.7	7.0	6.7	6.4
RAIN DANCE (PST-5SDT)	6.7	6.0	8.0	6.9	B23	6.3	7.0	6.0	6.4
W41	6.7	7.0	7.0	6.9	LTP-F5DPDR	6.3	6.7	6.3	6.4
GTO (BURL TF-2)	6.3	6.3	8.0	6.9	PPG-TF-152	6.3	7.0	6.0	6.4
PST-5GRB	6.0	6.0	8.7	6.9	PPG-TF-172	6.0	7.0	6.3	6.4
U43	7.0	6.3	7.3	6.9	FRONTLINE (EXP TF-09)	5.7	7.0	6.3	6.3
ATF 1612	7.0	6.7	6.7	6.8	IS-TF 282 M2	6.0	7.0	6.0	6.3
PPG-TF-105	6.7	6.7	7.0	6.8	IS-TF 291	6.7	6.7	5.7	6.3
PPG-TF-137	6.7	6.7	7.0	6.8	IS-TF-287	6.7	6.3	6.0	6.3
PPG-TF-151	6.7	7.0	6.7	6.8	KY-31	7.0	3.0	9.0	6.3
PSG-WE1	7.0	6.7	6.7	6.8	PPG-TF-138	5.3	7.0	6.7	6.3
RAD-TF-88	6.7	7.0	6.7	6.8	PST-5BPO	6.7	6.0	6.3	6.3
ATF 1754	6.3	6.0	8.0	6.8	TERRANO	6.0	6.7	6.3	6.3
CCR2	6.0	6.3	8.0	6.8	W45	6.3	6.0	6.7	6.3
FALCON IV	6.3	6.0	8.0	6.8	FESNOVA	5.3	6.7	6.7	6.2
FIREBIRD 2	7.0	7.0	6.3	6.8	INSPIRATION (PST-R5NW)	6.0	6.0	6.7	6.2
GRANDE 3	6.7	6.3	7.3	6.8	IS-TF 310 SEL	6.7	7.0	5.0	6.2
K12-MCD	7.3	6.7	6.3	6.8	PST-5DZP	6.7	6.7	5.3	6.2
PICK-W43	6.7	6.3	7.3	6.8	PST-5MVD	5.7	6.3	6.7	6.2
AQUADUCT	5.7	6.7	7.7	6.7	RHAMBLER 2 SRP (LSD)	6.0	7.0	5.7	6.2
CAESAR (TY 10)	6.3	7.0	6.7	6.7	SRX-TPC	6.0	7.0	5.7	6.2
IS-TF 276 M2	6.3	7.0	6.7	6.7	ATF 1736	6.3	6.0	6.3	6.2
IS-TF 311	7.7	6.7	5.7	6.7	JS 818	6.3	7.0	5.3	6.2
MET 1	7.3	6.3	6.3	6.7	MET 6 SEL	6.3	6.0	6.3	6.2
PPG-TF-115	6.3	7.0	6.7	6.7	ZW 44	5.3	6.0	7.3	6.2
PPG-TF-135	5.7	6.3	8.0	6.7	DZ1	6.0	7.0	5.3	6.1
PPG-TF-150	7.0	6.7	6.3	6.7	IS-TF 308 SEL	6.3	7.0	5.0	6.1
PPG-TF-169	6.0	5.7	8.3	6.7	RAD-TF-89	6.3	7.0	5.0	6.1
PSG-PO1	6.0	6.3	7.7	6.7	RAD-TF-92	6.3	7.0	5.0	6.1
					IS-TF 272	6.3	7.0	4.7	6.0

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

NAME	IL1	NE1	NJ1	MEAN
IS-TF 289	6.3	7.0	4.7	6.0
JS 916	6.0	7.0	5.0	6.0
BAR FA 120878	6.0	5.0	6.7	5.9
BAR FA 121089	5.7	6.3	5.7	5.9
IS-TF 285	6.7	6.7	4.3	5.9
K12-05	5.3	6.7	5.7	5.9
TEMPTATION (OR-21)	6.0	7.0	4.7	5.9
PPG-TF-142	6.3	7.0	4.3	5.9
PST-5BRK	5.3	6.0	6.3	5.9
IS-TF 305 SEL	6.0	6.7	4.7	5.8
GO-DFR	6.0	6.3	5.0	5.8
HEMI	5.7	6.3	5.3	5.8
HOT ROD (BURL TF-136)	5.3	6.7	5.3	5.8
IS-TF 269 SEL	6.3	7.0	4.0	5.8
IS-TF 330	5.3	7.0	5.0	5.8
JS 819	5.3	7.0	5.0	5.8
PSG-8BP2	6.3	6.7	4.3	5.8
COMP. RES. SST	6.7	6.0	4.3	5.7
IS-TF 284 M2	5.3	6.7	5.0	5.7
PPG-TF-145	5.7	7.0	4.3	5.7
BAR FA 121091	6.0	6.7	4.0	5.6
JS 809	5.3	7.0	4.3	5.6
PSG-TT4	5.7	6.0	4.7	5.4
WARHAWK	5.7	6.7	4.0	5.4
SALTILLO (PST-5SALT)	5.7	6.3	4.3	5.4
204 RES. BLK4	5.7	6.0	4.3	5.3
BAR FA 121095	5.0	7.0	4.0	5.3
MARAUDER	4.7	6.0	5.3	5.3
ANNIHILATOR LEDEBOER	5.0	6.0	4.7	5.2
DB1	5.0	7.0	3.3	5.1
JS 825	5.0	7.0	3.3	5.1
TD1	5.0	7.0	3.0	5.0
K12-13	5.3	7.0	2.7	5.0
LSD VALUE	1.7	0.6	1.8	0.9
C.V. (%)	17.1	6.1	18.5	14.8

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.

LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	AR1	CT1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	UT1	MEAN
204 RES. BLK4	8.0	7.0	5.7	7.3	7.3	7.0	7.0	6.0	8.3	4.7	7.3	6.9
PST-5GRB	7.7	7.3	6.3	6.3	6.7	6.7	7.3	6.0	7.7	6.0	6.7	6.8
K12-13	8.0	4.7	6.0	7.7	6.7	8.0	6.0	6.0	8.0	5.7	6.7	6.7
REGENERATE	7.0	6.7	6.3	7.3	7.0	6.0	7.0	6.0	7.7	5.0	7.3	6.7
PPG-TF-170	7.7	7.3	5.7	7.0	6.3	6.0	7.0	5.7	8.3	5.0	6.3	6.6
PPG-TF-139	7.3	4.7	6.7	7.0	6.3	6.3	6.7	6.3	8.3	5.7	6.7	6.5
IS-TF 269 SEL	7.3	6.0	6.3	7.0	6.7	6.0	6.7	6.0	7.7	5.7	6.7	6.5
IS-TF 291	7.0	6.3	6.3	6.3	6.7	6.7	6.7	6.0	7.7	5.0	6.7	6.5
K12-05	7.7	5.3	7.0	6.7	6.7	6.3	6.3	6.0	7.0	6.0	6.3	6.5
CCR2	7.0	6.7	5.7	6.7	6.7	6.0	6.7	5.7	7.7	5.3	7.0	6.5
COMP. RES. SST	7.7	4.7	6.0	6.7	6.7	6.7	7.0	6.0	8.0	4.3	7.3	6.5
IS-TF 310 SEL	7.3	5.7	6.3	6.3	6.3	6.3	6.3	5.7	8.0	5.7	7.0	6.5
PICK-W43	7.0	6.0	6.0	7.3	6.3	6.0	6.3	6.0	7.7	5.3	7.0	6.5
W45	7.0	6.0	6.3	6.3	7.0	6.0	7.0	5.7	7.7	5.0	7.0	6.5
B23	7.0	6.3	5.7	7.0	7.0	6.3	6.7	5.7	7.3	5.0	6.7	6.4
DB1	7.7	6.0	6.3	7.0	6.7	6.0	6.0	6.0	7.3	5.0	6.7	6.4
WARHAWK	7.7	5.7	5.3	6.7	6.0	7.0	7.7	6.0	6.7	5.3	6.7	6.4
IS-TF 308 SEL	7.3	5.3	6.7	7.0	5.7	6.0	6.7	5.7	7.7	5.3	7.0	6.4
PPG-TF-142	7.3	5.0	5.7	7.0	6.3	6.0	7.0	6.0	7.3	5.7	7.0	6.4
RAD-TF-88	7.7	6.3	6.0	7.3	6.3	6.0	7.3	5.7	8.0	3.3	6.3	6.4
W41	7.0	6.0	7.0	6.7	6.0	6.0	6.3	5.7	7.7	5.7	6.3	6.4
ZW 44	7.0	6.3	6.0	7.0	6.0	6.0	7.0	5.7	7.7	5.0	6.7	6.4
BURL TF-69	7.7	6.3	6.7	7.7	6.7	6.0	6.3	6.0	7.3	3.3	6.0	6.4
IS-TF 272	7.7	5.7	5.7	7.0	6.3	6.0	6.0	6.0	7.3	5.3	7.0	6.4
IS-TF 289	7.3	6.0	6.0	6.7	6.7	6.0	7.3	5.7	6.7	5.7	6.0	6.4
IS-TF 307 SEL	7.3	5.3	6.0	7.3	6.3	6.0	6.7	6.0	7.0	5.3	6.7	6.4
IS-TF 330	7.0	6.7	5.7	7.0	6.3	6.0	6.7	5.7	7.0	5.7	6.3	6.4
MARAUDER	8.0	5.3	6.3	6.7	6.0	6.0	7.3	5.3	8.0	4.0	7.0	6.4
MET 1	7.0	5.3	6.0	6.3	7.0	6.0	7.0	6.0	7.7	5.0	6.7	6.4
PPG-TF-137	7.0	6.7	6.3	6.3	6.3	6.0	7.0	5.7	7.3	5.0	6.3	6.4
PPG-TF-152	7.3	6.0	5.7	6.3	6.3	6.0	7.3	5.7	7.3	5.7	6.3	6.4
U43	7.0	6.3	5.3	6.7	6.7	6.0	7.0	5.7	7.0	5.0	7.3	6.4
PPG-TF-105	6.7	7.0	6.0	6.3	6.3	6.3	6.7	5.3	7.3	5.0	6.3	6.3
FIREBIRD 2	7.7	5.0	6.0	6.7	7.0	6.0	6.7	5.7	7.3	5.0	6.3	6.3
PPG-TF-172	7.0	6.3	6.3	6.7	6.3	6.0	7.3	6.0	6.7	4.7	6.0	6.3
GTO (BURL TF-2)	7.0	6.0	5.7	6.7	7.0	6.0	6.7	5.7	7.3	5.0	6.0	6.3
IS-TF 285	7.0	5.3	6.7	6.7	6.0	6.0	6.7	5.3	7.3	5.7	6.3	6.3
MET-3	7.0	6.3	6.0	6.3	6.0	6.0	6.3	5.3	7.3	5.3	7.0	6.3
PPG-TF-138	7.0	6.0	6.3	6.7	6.7	6.0	5.7	6.0	7.7	5.3	5.7	6.3
PPG-TF-145	7.0	5.3	6.3	7.0	6.0	6.0	6.3	5.7	6.7	6.0	6.7	6.3
PPG-TF-157	7.3	6.3	6.3	6.7	5.3	6.0	7.0	5.7	6.7	5.3	6.3	6.3

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

NAME	AR1	CT1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	UT1	MEAN
PSG-WE1	7.0	7.0	5.7	6.3	6.0	6.0	6.3	5.7	7.7	5.0	6.3	6.3
RAD-TF-92	7.3	5.3	6.0	7.3	6.7	6.0	6.0	6.0	8.0	3.7	6.7	6.3
RZ2	7.0	6.0	5.7	6.3	6.3	6.0	7.0	6.0	7.3	5.0	6.3	6.3
PPG-TF-150	7.0	6.0	6.0	6.3	6.0	6.0	7.0	5.7	8.0	4.7	6.3	6.3
IS-TF 284 M2	8.0	4.7	6.0	7.0	5.7	6.0	6.3	5.7	7.0	6.0	6.3	6.2
LTP-F5DPDR	7.3	6.7	5.7	6.7	6.3	6.3	6.7	5.7	6.0	4.7	6.7	6.2
PPG-TF-135	7.0	6.3	6.0	7.0	6.3	6.0	7.0	5.3	7.0	4.3	6.3	6.2
PPG-TF-151	7.0	5.3	5.7	6.3	6.3	6.3	7.0	6.0	7.3	5.3	6.0	6.2
RHAMBLER 2 SRP (LSD)	7.7	5.7	6.3	6.7	6.7	6.0	6.3	5.7	6.0	5.7	6.0	6.2
IS-TF 305 SEL	7.0	6.0	6.7	6.3	6.5	6.0	5.7	6.0	6.0	5.7	6.7	6.2
CATALYST	7.0	5.7	5.7	6.7	7.0	6.0	6.7	5.3	7.3	4.3	6.7	6.2
IS-TF 311	7.0	6.3	6.7	6.7	5.0	6.0	6.3	5.3	7.0	6.0	6.0	6.2
F711	7.7	6.0	5.7	6.0	6.0	6.0	6.7	5.7	7.0	5.3	6.3	6.2
HEMI	7.0	6.3	6.3	6.7	6.3	6.0	6.0	5.7	7.7	4.0	6.3	6.2
RAD-TF-89	7.0	5.3	6.0	6.7	6.3	6.0	6.7	5.3	8.3	3.7	7.0	6.2
ANNIHILATOR LEDEBOER	8.0	5.0	5.7	6.3	6.0	6.0	7.0	5.0	7.3	4.7	7.0	6.2
ATF 1704	7.0	5.3	6.0	6.3	6.3	6.0	7.3	5.3	6.7	5.7	6.0	6.2
GO-DFR	7.3	5.0	6.3	6.7	6.7	6.0	6.7	5.7	6.3	5.0	6.3	6.2
IS-TF 282 M2	7.3	4.7	5.7	6.7	6.0	6.0	6.3	6.0	6.7	6.0	6.7	6.2
PPG-TF-156	7.0	8.0	5.7	6.0	5.7	6.0	6.7	5.3	7.3	4.3	6.0	6.2
SRX-TPC	7.0	5.0	5.7	6.7	6.0	6.0	6.7	6.0	8.0	5.0	6.0	6.2
BIZEM	7.7	5.7	6.0	6.3	5.7	6.0	6.7	5.3	6.7	5.3	6.3	6.2
TD1	7.0	5.7	6.0	6.7	5.7	6.3	6.7	6.0	6.3	5.3	6.0	6.2
DZ1	7.3	5.7	5.7	6.3	6.3	6.0	6.3	5.3	7.3	4.7	6.3	6.1
FESNOVA	7.3	5.7	5.7	6.3	6.0	6.0	6.7	6.0	6.3	4.7	6.7	6.1
JS 809	7.0	5.3	6.3	6.7	6.3	6.0	6.3	5.0	6.7	5.0	6.7	6.1
FALCON V	7.0	5.3	5.3	6.3	6.3	6.0	6.0	5.3	7.7	5.0	6.7	6.1
K12-MCD	7.7	5.3	5.7	6.3	6.0	6.0	6.0	5.3	6.7	5.3	6.7	6.1
MET 6 SEL	7.3	6.3	5.7	6.3	6.3	6.0	6.3	5.0	7.0	4.7	6.0	6.1
PPG-TF-169	7.0	5.3	6.0	6.7	6.7	6.0	6.7	5.3	6.7	4.7	6.0	6.1
RAD-TF-83	7.3	5.0	6.0	7.0	6.3	6.0	5.3	5.7	7.7	4.3	6.3	6.1
U45	7.3	5.7	5.3	6.7	6.0	6.0	6.3	5.0	7.7	5.0	6.0	6.1
HOT ROD (BURL TF-136)	7.3	6.0	5.0	6.3	6.7	6.0	6.7	5.7	7.0	4.7	5.7	6.1
IS-TF 276 M2	7.3	5.0	5.3	6.0	6.7	6.0	6.7	5.7	6.7	5.3	6.3	6.1
IS-TF-287	7.0	6.3	5.7	6.7	5.7	5.7	6.0	5.3	7.3	5.0	6.0	6.1
BAR FA 121095	7.3	5.0	5.3	7.0	6.0	6.0	6.3	5.7	6.7	5.0	6.3	6.1
PSG-GSD	7.0	5.3	5.3	6.7	7.3	6.0	5.7	5.3	7.0	5.0	6.0	6.1
PST-5RO5	7.0	5.3	5.3	6.7	5.7	6.0	6.7	5.3	7.7	5.0	6.0	6.1
ATF 1736	7.0	5.7	5.7	6.7	5.7	5.7	6.3	5.3	7.0	4.7	6.7	6.0
BULLSEYE	7.0	5.3	5.7	6.7	6.3	6.0	6.0	5.3	7.3	4.7	6.0	6.0
GRANDE 3	7.3	5.7	5.7	6.0	5.7	6.0	6.3	5.0	7.3	5.0	6.3	6.0
PST-5DZP	7.0	5.0	6.3	6.3	5.7	6.0	6.3	6.0	6.3	5.3	6.0	6.0

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

NAME	AR1	CT1	IL1	IN1	MO1	MS1	NC1	NE1	NJ2	OK1	UT1	MEAN
FAITH	7.0	5.7	6.0	6.7	5.7	6.0	6.7	5.3	6.7	4.7	6.0	6.0
LTP-TWUU	7.0	6.3	5.0	6.3	6.0	5.7	6.0	5.7	6.7	5.0	6.3	6.0
PSG-PO1	7.3	6.0	5.0	6.0	6.3	6.0	6.3	5.3	7.0	4.3	6.0	6.0
PST-5BRK	7.3	6.3	5.3	5.7	6.0	6.0	6.3	5.3	7.0	4.7	5.7	6.0
PST-5EV2	7.0	5.0	5.3	6.7	6.3	6.0	6.7	5.3	7.0	5.0	5.3	6.0
JS 916	7.0	4.3	6.0	6.3	5.3	6.0	6.3	5.0	7.3	5.7	6.0	5.9
ATF 1612	7.0	5.0	5.3	6.0	6.3	6.0	6.7	5.3	6.7	5.0	6.0	5.9
ATF 1754	7.0	6.0	5.3	6.0	6.0	5.7	6.3	5.0	6.7	5.0	6.0	5.9
TERRANO	7.3	4.7	6.3	6.0	6.0	6.0	6.3	5.3	6.0	5.0	6.0	5.9
JS 819	7.0	5.0	5.7	6.3	5.7	6.0	5.3	6.0	6.3	5.0	6.0	5.8
PPG-TF-148	7.0	6.0	5.3	6.3	6.0	6.0	6.0	5.0	6.3	4.3	6.0	5.8
SALTILLO (PST-5SALT)	7.0	4.7	6.0	5.3	6.7	5.7	6.0	5.7	5.7	5.0	6.7	5.8
T31	7.0	5.3	5.3	6.0	5.7	6.0	6.3	5.0	6.7	4.7	6.3	5.8
PPG-TF-115	7.0	5.7	5.3	5.7	6.0	6.0	6.3	5.3	5.7	5.3	5.7	5.8
PST-5MVD	7.0	5.0	5.7	6.7	6.3	6.0	6.0	5.0	6.3	4.3	5.7	5.8
JS 818	7.0	5.0	5.7	6.7	6.0	6.0	6.3	5.0	5.3	4.7	6.3	5.8
PSG-8BP2	7.0	5.0	6.0	6.0	5.7	6.0	5.7	5.7	6.0	5.0	6.0	5.8
LTP-FSD	7.0	5.3	5.7	5.3	6.0	6.0	6.3	5.7	5.7	5.3	5.7	5.8
CAESAR (TY 10)	7.0	4.7	6.0	5.7	6.0	6.0	6.3	5.0	6.3	4.7	6.0	5.8
PSG-TT4	7.0	5.3	5.0	6.3	5.3	6.0	6.0	5.3	6.7	5.0	5.7	5.8
TEMPTATION (OR-21)	7.0	4.7	5.7	5.7	5.7	6.0	6.3	5.7	6.0	5.0	6.0	5.8
BAR FA 121089	7.0	4.3	5.3	6.3	5.7	6.0	6.7	5.0	5.7	5.3	6.0	5.8
FRONTLINE (EXP TF-09)	7.0	4.7	5.3	6.7	5.3	6.0	5.7	5.7	6.0	5.0	5.7	5.7
PST-5BPO	7.0	5.3	5.7	5.3	5.7	5.3	6.3	5.7	5.3	5.0	5.7	5.7
RAIN DANCE (PST-5SDT)	7.0	5.0	5.3	6.0	5.7	6.0	5.7	5.3	5.7	5.3	5.3	5.7
FALCON IV	7.0	5.0	5.7	5.7	5.7	5.7	6.0	5.7	5.7	4.7	5.7	5.7
PST-5EX2	7.0	5.3	5.3	5.7	5.7	5.3	5.7	4.7	6.3	4.7	6.7	5.7
AQUADUCT	6.7	4.0	5.7	6.0	6.0	5.3	6.3	5.0	5.0	5.3	5.3	5.5
JS 825	7.0	3.7	5.7	5.7	5.3	6.0	5.7	5.3	4.0	4.7	5.3	5.3
BAR FA 121091	7.0	4.0	5.7	6.0	5.3	6.0	6.0	5.3	2.7	5.0	5.0	5.3
INSPIRATION (PST-R5NW)	6.7	4.3	4.7	5.7	5.0	5.7	6.0	5.3	3.3	5.0	4.7	5.1
BAR FA 120878	6.3	3.3	4.3	4.7	5.7	5.0	6.0	4.7	2.3	5.0	4.7	4.7
KY-31	5.7	2.7	3.0	3.3	2.3	4.0	4.0	4.0	1.0	4.0	3.3	3.4
LSD VALUE	0.6	1.3	1.3	1.1	1.2	0.4	0.8	0.8	1.8	1.2	0.9	0.3
C.V. (%)	5.3	14.9	13.5	10.2	12.2	4.1	7.6	8.4	16.0	14.9	9.1	11.1

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

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

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TABLE 18.          SEEDLING VIGOR RATINGS OF TALL FESCUE CULTIVARS  1/
                                2013 DATA


                   SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR  2/

NAME                   AR1     KY1     MO1     MS1     NC1     NJ1     NJ2     MEAN

KY-31                  7.0     5.7     8.0     8.0     6.0     9.0     7.7     7.3
PPG-TF-169             7.0     5.0     8.0     7.0     7.0     8.0     6.7     7.0
SRX-TPC                7.0     4.3     8.3     7.0     6.0     8.3     6.7     6.8
PPG-TF-170             7.0     4.3     8.3     7.3     4.3     8.7     7.7     6.8
PPG-TF-105             7.0     4.7     7.3     7.0     6.3     7.7     6.3     6.6
F711                   7.0     3.3     8.0     7.3     6.3     8.7     5.3     6.6
TEMPTATION (OR-21)     7.0     4.0     7.3     6.7     6.0     8.3     6.7     6.6
LTP-FSD                7.0     3.3     8.0     7.0     5.3     8.7     6.3     6.5
GRANDE 3               7.0     4.3     7.7     6.7     6.3     8.0     5.7     6.5
PICK-W43               7.0     3.0     8.0     7.0     5.7     8.3     6.3     6.5
W45                    7.0     3.3     8.3     7.7     5.7     8.0     5.3     6.5
IS-TF 285              7.0     4.3     7.7     7.0     5.7     7.0     6.3     6.4
B23                    7.0     3.7     7.7     7.3     5.7     7.7     6.0     6.4
MET 1                  7.0     3.3     8.0     7.3     5.7     7.0     6.7     6.4
PPG-TF-151             7.3     2.7     7.3     7.0     7.0     8.7     5.0     6.4
RZ2                    7.0     4.0     6.7     6.7     6.3     8.3     6.0     6.4
BAR FA 120878          7.0     2.3     8.0     7.0     5.7     7.7     7.0     6.4
JS 809                 6.7     4.3     7.7     7.0     5.3     8.3     5.3     6.4
ANNIHILATOR LEDEBOER   7.0     2.7     7.7     7.0     5.3     8.3     6.3     6.3
PPG-TF-172             7.0     3.3     7.0     7.0     6.7     8.0     5.3     6.3
PST-5BRK               7.0     3.7     7.7     6.7     5.7     8.3     5.3     6.3
RAD-TF-89              7.0     3.3     6.7     7.0     6.3     7.7     6.3     6.3
REGENERATE             7.0     3.3     7.3     7.0     6.7     8.0     5.0     6.3
IS-TF 289              7.0     3.7     7.7     7.3     5.0     7.7     6.0     6.3
RHAMBLER 2 SRP (LSD)   7.0     3.7     8.0     7.0     5.3     7.7     5.7     6.3
FAITH                  7.0     3.7     7.7     7.0     5.3     8.3     5.0     6.3
FALCON IV              6.7     4.0     7.7     6.3     5.3     8.0     6.0     6.3
IS-TF-287              7.0     3.3     7.3     7.0     5.3     8.3     5.7     6.3
TD1                    7.0     4.3     7.3     7.0     5.7     6.7     6.0     6.3
U43                    7.0     2.3     7.7     7.3     6.0     8.3     5.3     6.3
ATF 1704               7.0     3.3     7.3     6.3     5.7     8.7     5.3     6.2
PST-5EX2               7.0     3.3     7.3     6.7     5.0     9.0     5.3     6.2
CAESAR (TY 10)         7.0     2.7     7.3     6.7     6.3     8.0     5.7     6.2
CATALYST               7.0     3.0     7.3     6.3     5.7     8.3     6.0     6.2
HEMI                   7.0     3.7     7.0     6.7     6.3     7.3     5.7     6.2
PST-5GRB               7.0     3.7     8.0     7.0     4.7     9.0     4.3     6.2
PST-5RO5               7.0     3.3     7.7     6.3     4.3     8.7     6.3     6.2
IS-TF 276 M2           7.0     2.7     7.3     6.7     6.7     7.7     5.3     6.2
BULLSEYE               7.0     3.7     7.7     6.7     4.3     8.0     6.0     6.2
PSG-GSD                7.7     2.0     7.3     7.0     5.3     8.3     5.7     6.2
TERRANO                6.7     3.7     7.0     6.7     5.7     7.3     6.0     6.1
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SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	AR1	KY1	MO1	MS1	NC1	NJ1	NJ2	MEAN
FESNOVA	7.0	2.7	7.7	6.7	4.7	8.3	6.0	6.1
JS 818	7.0	3.7	7.0	6.3	5.3	8.3	5.3	6.1
PPG-TF-152	7.0	4.0	6.7	7.0	5.0	7.7	5.7	6.1
RAIN DANCE (PST-5SDT)	7.0	2.7	7.3	7.3	5.3	8.7	4.7	6.1
BURL TF-69	7.0	3.0	7.0	6.7	5.0	8.7	5.3	6.1
FRONTLINE (EXP TF-09)	7.3	3.3	6.7	6.7	5.3	7.7	5.7	6.1
GTO (BURL TF-2)	6.7	2.3	7.3	7.3	5.3	7.7	6.0	6.1
PPG-TF-135	7.0	4.7	6.3	6.3	5.3	7.7	5.3	6.1
PSG-TT4	7.3	2.7	7.3	6.7	5.3	8.7	4.7	6.1
SALTILLO (PST-5SALT)	7.0	3.3	7.7	7.0	5.0	8.0	4.7	6.1
JS 819	7.0	3.0	7.3	6.7	5.0	8.0	5.3	6.0
K12-MCD	7.0	3.0	7.7	6.7	4.0	8.0	6.0	6.0
PPG-TF-148	7.0	3.7	7.3	6.7	4.7	7.7	5.3	6.0
PPG-TF-156	7.0	3.0	7.3	6.7	4.7	7.7	6.0	6.0
T31	7.0	3.0	7.0	6.7	4.7	8.0	6.0	6.0
ZW 44	7.0	2.7	7.3	6.7	5.0	8.3	5.3	6.0
ATF 1754	7.0	3.0	7.3	6.7	5.3	8.0	5.0	6.0
FALCON V	7.0	2.7	7.3	6.3	5.0	8.0	6.0	6.0
IS-TF 291	7.0	3.0	7.7	7.3	4.3	7.3	5.7	6.0
PST-5MVD	7.0	3.7	7.3	7.0	4.3	8.0	5.0	6.0
RAD-TF-88	7.3	2.3	6.7	6.7	5.0	8.7	5.7	6.0
ATF 1612	7.0	2.7	7.7	7.0	5.7	6.3	5.7	6.0
PPG-TF-150	7.0	3.0	7.3	6.7	5.3	7.3	5.3	6.0
LTP-TWUU	7.0	2.7	7.3	6.0	6.3	8.0	4.7	6.0
AQUADUCT	7.0	2.7	7.3	6.7	6.0	8.0	4.0	6.0
LTP-F5DPDR	7.0	3.3	8.0	6.3	4.7	7.0	5.3	6.0
WARHAWK	7.0	2.7	7.5	6.3	5.3	8.0	4.7	5.9
IS-TF 310 SEL	7.0	3.0	7.7	6.7	5.3	7.0	4.7	5.9
MARAUDER	7.0	2.7	7.0	6.7	4.7	8.0	5.3	5.9
PPG-TF-115	7.0	3.7	7.3	6.0	4.7	7.0	5.7	5.9
PPG-TF-157	7.0	3.0	7.0	7.0	4.7	7.3	5.3	5.9
RAD-TF-92	6.7	2.7	6.7	6.7	5.3	7.3	6.0	5.9
HOT ROD (BURL TF-136)	7.0	2.7	7.3	6.7	5.0	7.3	5.0	5.9
IS-TF 330	7.0	3.0	6.7	7.0	5.3	7.3	4.7	5.9
MET-3	7.0	2.7	7.0	6.3	6.0	7.0	5.0	5.9
PST-5EV2	7.0	3.0	7.7	7.0	4.7	7.0	4.7	5.9
RAD-TF-83	7.3	3.0	7.3	6.0	5.0	7.0	5.3	5.9
DZ1	7.0	3.0	7.0	6.7	4.0	8.0	5.0	5.8
DB1	7.0	3.7	7.3	7.0	4.3	6.3	5.0	5.8
MET 6 SEL	7.0	3.3	7.7	6.3	5.0	7.3	4.0	5.8
PPG-TF-137	7.0	3.3	7.7	6.3	4.0	7.3	5.0	5.8
PPG-TF-138	7.0	2.7	7.0	7.0	4.3	7.3	5.3	5.8

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	AR1	KY1	MO1	MS1	NC1	NJ1	NJ2	MEAN
PST-5BPO	7.0	2.7	7.7	6.3	5.0	8.0	4.0	5.8
ATF 1736	6.7	2.7	6.7	6.7	4.3	8.0	5.3	5.8
BIZEM	7.0	3.0	7.0	6.3	5.0	7.7	4.3	5.8
INSPIRATION (PST-R5NW)	7.0	3.0	6.7	7.0	4.7	7.3	4.7	5.8
PSG-WE1	7.0	2.3	7.0	6.3	4.3	8.3	5.0	5.8
W41	7.3	2.7	6.7	7.0	3.7	8.0	5.0	5.8
204 RES. BLK4	7.7	2.7	7.3	6.0	4.3	7.7	4.7	5.8
K12-05	7.0	2.3	7.3	6.7	4.7	6.7	5.3	5.7
CCR2	7.0	2.7	6.7	6.3	4.7	7.3	5.3	5.7
COMP. RES. SST	7.0	3.0	7.3	5.7	5.0	6.3	5.7	5.7
GO-DFR	7.0	3.0	7.0	7.0	5.0	7.0	4.0	5.7
JS 825	7.0	2.7	6.7	6.3	5.0	7.3	5.0	5.7
PPG-TF-139	7.0	2.3	6.7	6.7	5.3	7.7	4.3	5.7
PSG-PO1	7.0	2.7	7.0	6.7	4.3	7.3	5.0	5.7
IS-TF 305 SEL	7.3	2.3	6.5	6.7	4.7	7.3	5.0	5.7
FIREBIRD 2	7.0	2.3	6.7	7.0	5.0	6.7	5.0	5.7
IS-TF 282 M2	7.3	2.0	7.3	6.0	3.7	7.7	5.7	5.7
U45	7.0	2.7	7.0	6.3	4.3	7.3	4.7	5.6
IS-TF 269 SEL	7.0	2.3	7.7	6.0	4.7	6.7	4.7	5.6
PSG-8BP2	7.0	2.3	7.0	6.7	4.0	8.0	4.0	5.6
IS-TF 308 SEL	7.0	3.3	7.0	5.7	5.3	7.0	3.3	5.5
BAR FA 121089	7.0	2.0	6.7	7.0	4.7	6.3	4.7	5.5
PST-5DZP	7.7	2.3	6.3	6.3	4.3	7.0	4.3	5.5
IS-TF 307 SEL	7.0	3.0	6.3	6.7	4.7	6.3	3.7	5.4
JS 916	7.0	2.7	6.3	5.7	3.3	7.7	4.7	5.3
PPG-TF-142	7.3	2.3	6.3	6.7	4.3	6.0	4.0	5.3
BAR FA 121095	7.0	2.0	6.7	6.7	4.0	6.0	4.3	5.2
BAR FA 121091	7.3	2.3	7.3	6.7	5.3	4.7	3.0	5.2
IS-TF 272	7.0	2.7	7.0	6.0	5.0	5.7	3.3	5.2
IS-TF 284 M2	7.0	2.0	6.0	6.3	4.3	7.3	3.7	5.2
PPG-TF-145	6.7	2.3	5.7	6.3	4.3	7.3	4.0	5.2
IS-TF 311	7.0	2.7	5.7	5.3	3.7	6.0	3.7	4.9
K12-13	7.0	2.3	6.3	6.0	4.0	3.3	4.3	4.8
LSD VALUE	0.5	1.4	1.3	0.9	1.5	1.4	1.0	0.5
C.V. (%)	4.3	27.8	10.8	8.2	18.7	11.8	12.1	12.4

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.

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TABLE 19.    SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS  1/
                          2013 DATA

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

     NAME                   AR1    IN1    NC1    OK1    MEAN

     PST-5GRB               8.0    7.7    6.3    7.0    7.3
     PPG-TF-169             7.0    7.0    6.3    6.3    6.7
     MET-3                  7.0    6.7    6.7    6.0    6.6
     CCR2                   7.0    7.3    5.3    6.7    6.6
     IS-TF 276 M2           7.0    6.0    6.3    7.0    6.6
     PICK-W43               7.0    7.0    6.0    6.3    6.6
     PPG-TF-151             6.3    6.3    7.0    6.7    6.6
     SRX-TPC                7.3    6.7    6.0    6.3    6.6
     IS-TF 305 SEL          7.0    6.7    5.7    6.7    6.5
     K12-MCD                6.7    6.7    6.0    6.7    6.5
     ATF 1704               6.7    5.7    6.7    7.0    6.5
     IS-TF 311              7.3    6.3    5.3    7.0    6.5
     K12-05                 7.0    7.0    5.7    6.3    6.5
     LTP-F5DPDR             7.0    6.7    6.3    6.0    6.5
     MET 1                  7.3    6.7    6.0    6.0    6.5
     PPG-TF-145             7.7    7.0    5.0    6.3    6.5
     PPG-TF-152             6.7    6.7    6.7    6.0    6.5
     PSG-GSD                7.0    5.7    6.0    7.3    6.5
     TERRANO                7.0    6.0    6.0    7.0    6.5
     W45                    7.3    7.3    5.0    6.3    6.5
     F711                   6.7    6.3    6.7    6.0    6.4
     FALCON V               6.7    7.0    6.0    6.0    6.4
     GO-DFR                 6.7    7.0    5.0    7.0    6.4
     IS-TF 269 SEL          7.0    6.7    5.3    6.7    6.4
     PPG-TF-105             6.7    7.0    6.7    5.3    6.4
     PPG-TF-135             7.0    7.0    5.7    6.0    6.4
     PPG-TF-172             6.7    6.3    6.7    6.0    6.4
     PST-5EV2               6.3    6.3    6.3    6.7    6.4
     RAD-TF-83              7.7    7.3    5.0    5.7    6.4
     RZ2                    6.7    6.7    6.0    6.3    6.4
     IS-TF 310 SEL          7.7    6.3    5.3    6.3    6.4
     PPG-TF-137             7.3    6.7    6.3    5.3    6.4
     ZW 44                  7.3    7.0    5.3    6.0    6.4
     IS-TF 289              6.3    6.7    5.7    6.7    6.3
     PPG-TF-157             6.7    6.7    5.3    6.7    6.3
     PST-5EX2               7.0    6.0    5.7    6.7    6.3
     RHAMBLER 2 SRP (LSD)   6.7    6.7    6.0    6.0    6.3
     SALTILLO (PST-5SALT)   7.0    5.7    6.0    6.7    6.3
     FESNOVA                7.0    6.3    5.7    6.3    6.3
     FIREBIRD 2             7.0    7.0    5.3    6.0    6.3
     LTP-FSD                6.3    6.3    5.7    7.0    6.3
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DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AR1	IN1	NC1	OK1	MEAN
PPG-TF-142	7.7	7.3	5.0	5.3	6.3
PPG-TF-150	6.7	6.7	5.7	6.3	6.3
T31	6.7	6.3	6.0	6.3	6.3
U43	6.7	7.3	6.0	5.3	6.3
IS-TF 308 SEL	6.7	6.7	6.0	5.7	6.3
W41	7.0	6.7	4.7	6.7	6.3
B23	7.3	6.7	5.7	5.3	6.3
BULLSEYE	7.7	6.7	4.3	6.3	6.3
GRANDE 3	7.0	6.3	5.7	6.0	6.3
IS-TF 272	7.3	5.7	5.3	6.7	6.3
IS-TF 284 M2	7.0	6.0	5.0	7.0	6.3
JS 818	6.3	6.7	5.3	6.7	6.3
K12-13	7.0	7.7	4.3	6.0	6.3
TD1	7.3	6.7	5.0	6.0	6.3
TEMPTATION (OR-21)	6.3	5.3	6.3	7.0	6.3
U45	7.0	6.0	5.3	6.7	6.3
DB1	7.0	7.3	5.3	5.3	6.3
DZ1	7.3	7.0	5.3	5.3	6.3
IS-TF 307 SEL	7.0	6.3	5.3	6.3	6.3
LTP-TWUU	7.3	5.3	6.0	6.3	6.3
PPG-TF-138	7.0	6.3	5.3	6.3	6.3
IS-TF 282 M2	6.7	6.0	4.7	7.3	6.2
JS 916	7.0	6.0	5.0	6.7	6.2
PPG-TF-139	7.0	6.7	5.3	5.7	6.2
PSG-PO1	7.0	6.7	5.0	6.0	6.2
PST-5BRK	6.7	5.7	5.7	6.7	6.2
RAD-TF-92	7.0	7.7	4.7	5.3	6.2
PPG-TF-115	6.3	6.3	5.7	6.3	6.2
PPG-TF-170	6.7	7.3	5.3	5.3	6.2
PSG-WE1	7.0	6.3	5.3	6.0	6.2
CATALYST	7.0	6.0	6.3	5.0	6.1
FAITH	6.7	6.3	5.3	6.0	6.1
GTO (BURL TF-2)	6.3	6.0	6.0	6.0	6.1
HEMI	7.3	7.0	4.7	5.3	6.1
HOT ROD (BURL TF-136)	7.3	5.7	6.0	5.3	6.1
IS-TF 285	7.3	6.3	5.3	5.3	6.1
PSG-TT4	6.3	5.3	6.0	6.7	6.1
PST-5MVD	6.7	6.3	5.0	6.3	6.1
REGENERATE	7.0	7.0	5.3	5.0	6.1
ATF 1612	6.7	5.7	5.0	6.7	6.0
ATF 1754	6.0	6.7	5.7	5.7	6.0
IS-TF-287	6.7	6.7	5.0	5.7	6.0

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

NAME	AR1	IN1	NC1	OK1	MEAN
PPG-TF-148	6.7	6.0	5.7	5.7	6.0
PSG-8BP2	6.7	5.7	5.0	6.7	6.0
204 RES. BLK4	6.3	6.7	5.3	5.7	6.0
BIZEM	7.0	6.0	5.3	5.7	6.0
IS-TF 291	6.7	6.7	4.7	6.0	6.0
JS 819	6.7	5.3	5.0	7.0	6.0
PST-5BPO	6.7	6.0	5.0	6.3	6.0
PST-5DZP	6.3	6.0	5.0	6.7	6.0
RAD-TF-89	8.0	6.3	5.0	4.7	6.0
RAIN DANCE (PST-5SDT)	6.3	5.3	5.3	7.0	6.0
ATF 1736	6.7	6.0	5.0	6.0	5.9
FALCON IV	7.0	6.0	5.0	5.7	5.9
FRONTLINE (EXP TF-09)	6.7	5.7	5.3	6.0	5.9
IS-TF 330	7.0	6.7	5.0	5.0	5.9
JS 809	6.7	6.0	4.7	6.3	5.9
JS 825	6.0	5.7	5.3	6.7	5.9
INSPIRATION (PST-R5NW)	6.3	6.0	5.3	6.0	5.9
MET 6 SEL	6.0	6.3	5.3	6.0	5.9
PST-5RO5	6.3	5.3	5.0	7.0	5.9
RAD-TF-88	7.0	7.3	5.0	4.3	5.9
BAR FA 121095	6.7	6.0	4.7	6.0	5.8
BAR FA 121089	6.0	5.3	5.3	6.7	5.8
BURL TF-69	6.7	7.3	5.0	4.3	5.8
CAESAR (TY 10)	6.7	5.7	5.0	5.7	5.8
AQUADUCT	6.7	5.7	5.3	5.3	5.8
PPG-TF-156	6.7	6.0	5.3	5.0	5.8
WARHAWK	6.3	5.7	5.3	5.7	5.8
BAR FA 121091	6.7	5.7	4.7	5.7	5.7
BAR FA 120878	6.0	5.3	4.7	6.3	5.6
COMP. RES. SST	6.7	6.0	5.3	4.0	5.5
ANNIHILATOR LEDEBOER	6.3	6.0	4.7	4.0	5.3
MARAUDER	6.0	6.0	5.0	4.0	5.3
KY-31	5.3	4.0	4.0	5.7	4.8
LSD VALUE	1.0	1.2	1.4	1.3	0.6
C.V. (%)	9.3	11.7	16.0	13.0	12.4

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 20.

FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NC1	OK1	MEAN	NAME	NC1	OK1	MEAN
IS-TF 269 SEL	8.0	7.0	7.5	TEMPTATION (OR-21)	7.7	6.3	7.0
PST-5GRB	8.0	7.0	7.5	U45	8.0	6.0	7.0
RZ2	8.0	7.0	7.5	ATF 1736	8.0	5.7	6.8
CCR2	8.0	6.7	7.3	CAESAR (TY 10)	7.0	6.7	6.8
IS-TF 272	8.0	6.7	7.3	FALCON V	8.0	5.7	6.8
IS-TF 282 M2	8.0	6.7	7.3	GTO (BURL TF-2)	7.7	6.0	6.8
IS-TF 284 M2	7.7	7.0	7.3	HOT ROD (BURL TF-136)	8.0	5.7	6.8
JS 916	7.7	7.0	7.3	IS-TF 291	8.0	5.7	6.8
K12-05	8.0	6.7	7.3	IS-TF 305 SEL	7.7	6.0	6.8
PICK-W43	8.0	6.7	7.3	IS-TF 307 SEL	8.0	5.7	6.8
BAR FA 121089	7.7	6.7	7.2	IS-TF 308 SEL	8.0	5.7	6.8
IS-TF 276 M2	7.7	6.7	7.2	IS-TF 330	8.0	5.7	6.8
PSG-TT4	7.7	6.7	7.2	LTP-TWUU	8.0	5.7	6.8
TERRANO	7.7	6.7	7.2	MET 1	8.0	5.7	6.8
ATF 1704	8.0	6.3	7.2	PPG-TF-105	8.0	5.7	6.8
IS-TF 310 SEL	8.0	6.3	7.2	PPG-TF-115	7.7	6.0	6.8
LTP-FSD	8.0	6.3	7.2	PPG-TF-135	8.0	5.7	6.8
MET-3	8.0	6.3	7.2	PPG-TF-137	8.0	5.7	6.8
PPG-TF-152	8.0	6.3	7.2	PPG-TF-138	8.0	5.7	6.8
PPG-TF-169	8.0	6.3	7.2	PPG-TF-139	7.7	6.0	6.8
PST-5BPO	8.0	6.3	7.2	PPG-TF-170	8.0	5.7	6.8
PST-5EV2	8.0	6.3	7.2	PST-5BRK	7.7	6.0	6.8
RAIN DANCE (PST-5SDT)	7.3	7.0	7.2	RHAMBLER 2 SRP (LSD)	8.0	5.7	6.8
ZW 44	8.0	6.3	7.2	T31	8.0	5.7	6.8
ATF 1612	7.7	6.3	7.0	U43	8.0	5.7	6.8
BAR FA 121091	7.7	6.3	7.0	W41	7.7	6.0	6.8
F711	8.0	6.0	7.0	BAR FA 121095	7.3	6.3	6.8
FESNOVA	7.7	6.3	7.0	BULLSEYE	7.3	6.3	6.8
INSPIRATION (PST-R5NW)	7.3	6.7	7.0	GO-DFR	7.3	6.3	6.8
IS-TF 289	7.7	6.3	7.0	JS 825	7.3	6.3	6.8
IS-TF 311	7.3	6.7	7.0	PPG-TF-145	7.3	6.3	6.8
K12-MCD	7.7	6.3	7.0	AQUADUCT	6.7	6.7	6.7
MET 6 SEL	8.0	6.0	7.0	DZ1	7.7	5.7	6.7
PPG-TF-157	7.7	6.3	7.0	FAITH	7.7	5.7	6.7
PPG-TF-172	8.0	6.0	7.0	FIREBIRD 2	7.7	5.7	6.7
PSG-8BP2	7.0	7.0	7.0	GRANDE 3	7.7	5.7	6.7
PSG-GSD	7.7	6.3	7.0	JS 818	7.7	5.7	6.7
PSG-WE1	8.0	6.0	7.0	PSG-PO1	7.7	5.7	6.7
PST-5DZP	7.3	6.7	7.0	W45	7.7	5.7	6.7
PST-5EX2	7.3	6.7	7.0	BIZEM	8.0	5.3	6.7
TD1	7.7	6.3	7.0	FALCON IV	7.3	6.0	6.7
				IS-TF-287	8.0	5.3	6.7

TABLE 20.   FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	NC1	OK1	MEAN
PPG-TF-148	8.0	5.3	6.7
PPG-TF-150	8.0	5.3	6.7
PPG-TF-151	8.0	5.3	6.7
SALTILLO (PST-5SALT)	7.3	6.0	6.7
ATF 1754	7.7	5.3	6.5
B23	8.0	5.0	6.5
BAR FA 120878	6.7	6.3	6.5
IS-TF 285	7.7	5.3	6.5
JS 809	7.3	5.7	6.5
K12-13	7.3	5.7	6.5
LTP-F5DPDR	7.3	5.7	6.5
PPG-TF-142	7.3	5.7	6.5
PPG-TF-156	7.7	5.3	6.5
PST-5MVD	7.7	5.3	6.5
PST-5RO5	7.0	6.0	6.5
DB1	7.7	5.0	6.3
WARHAWK	7.0	5.7	6.3
SRX-TPC	7.3	5.3	6.3
204 RES. BLK4	7.7	4.7	6.2
ANNIHILATOR LEDEBOER	7.7	4.7	6.2
FRONTLINE (EXP TF-09)	6.7	5.7	6.2
HEMI	7.7	4.7	6.2
RAD-TF-83	7.7	4.7	6.2
RAD-TF-92	7.7	4.7	6.2
CATALYST	7.3	5.0	6.2
JS 819	7.0	5.3	6.2
REGENERATE	8.0	4.3	6.2
BURL TF-69	8.0	4.0	6.0
RAD-TF-88	8.0	3.7	5.8
COMP. RES. SST	7.7	3.7	5.7
RAD-TF-89	7.7	3.7	5.7
MARAUDER	7.3	4.0	5.7
KY-31	5.0	6.0	5.5
LSD VALUE	0.7	1.3	0.7
C.V. (%)	5.5	13.8	9.6

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.

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
MET 1	92.3	85.0	97.0	96.3	92.7
F711	91.7	81.7	96.0	96.7	91.5
LTP-FSD	91.0	86.7	89.7	97.3	91.2
PPG-TF-169	88.3	81.7	98.3	95.7	91.0
PST-5BRK	89.0	85.0	92.7	96.3	90.8
B23	89.0	83.3	94.3	96.3	90.8
CATALYST	89.7	80.0	96.0	96.3	90.5
FALCON V	92.7	78.3	94.7	96.0	90.4
LTP-TWUU	93.0	76.7	95.3	96.7	90.4
PST-5RO5	89.0	85.0	90.0	97.7	90.4
CAESAR (TY 10)	87.3	81.7	95.3	96.7	90.3
PICK-W43	90.7	76.7	96.0	97.3	90.2
PST-5EX2	92.0	76.7	94.3	96.7	89.9
PPG-TF-105	88.0	78.3	96.0	97.0	89.8
PST-5EV2	90.3	76.7	95.0	97.0	89.8
SRX-TPC	88.0	80.0	93.3	97.3	89.7
KY-31	85.0	85.0	92.7	95.3	89.5
PPG-TF-170	86.7	85.0	90.0	96.3	89.5
MET-3	88.7	75.0	97.3	96.7	89.4
204 RES. BLK4	86.0	78.3	97.0	95.7	89.3
FALCON IV	90.3	78.3	91.7	96.0	89.1
U43	85.7	80.0	94.3	96.3	89.1
W45	84.0	83.3	91.7	97.0	89.0
FAITH	89.0	76.7	93.3	96.7	88.9
PST-5GRB	89.3	76.7	92.7	96.3	88.8
ATF 1704	88.7	75.0	94.7	96.3	88.7
PPG-TF-152	90.7	71.7	96.0	96.3	88.7
FESNOVA	85.7	78.3	94.3	96.3	88.7
GRANDE 3	89.7	73.3	96.0	95.3	88.6
K12-MCD	88.0	76.7	92.7	96.7	88.5
TERRANO	87.0	76.7	93.3	97.0	88.5
ZW 44	90.0	78.3	89.3	96.3	88.5
PPG-TF-172	87.7	73.3	96.3	96.3	88.4
LTP-F5DPDR	87.0	76.7	93.3	96.3	88.3
PSG-PO1	85.7	80.0	91.0	96.3	88.3
REGENERATE	85.0	83.3	88.3	96.3	88.3
PSG-GSD	83.7	80.0	92.7	96.3	88.2
PPG-TF-150	89.3	78.3	90.0	95.0	88.2
AQUADUCT	83.7	75.0	97.7	96.0	88.1
BAR FA 120878	82.7	76.7	97.3	95.7	88.1
IS-TF 269 SEL	87.0	76.7	91.3	97.3	88.1
PPG-TF-148	87.3	78.3	90.0	96.7	88.1

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
T31	88.0	73.3	94.3	96.7	88.1
IS-TF 276 M2	83.0	76.7	95.7	96.7	88.0
PPG-TF-151	88.3	70.0	97.3	96.3	88.0
CCR2	90.0	75.0	90.0	96.3	87.8
FIREBIRD 2	89.0	76.7	90.0	95.3	87.8
IS-TF 308 SEL	88.7	71.7	94.3	96.0	87.7
PPG-TF-139	90.0	71.7	91.7	97.3	87.7
PST-5MVD	89.7	76.7	88.3	96.0	87.7
GTO (BURL TF-2)	90.3	70.0	94.3	96.0	87.7
ATF 1736	89.3	76.7	88.3	96.0	87.6
ATF 1754	90.0	68.3	96.3	95.7	87.6
PSG-TT4	87.0	71.7	95.3	96.3	87.6
MARAUDER	87.0	75.0	91.0	97.0	87.5
PST-5BPO	89.0	75.0	90.0	96.0	87.5
BIZEM	92.0	68.3	93.3	96.3	87.5
IS-TF 310 SEL	88.7	73.3	91.7	96.0	87.4
RAIN DANCE (PST-5SDT)	88.0	68.3	96.0	97.0	87.3
PPG-TF-115	87.0	78.3	86.7	96.7	87.2
PPG-TF-137	85.7	76.7	90.0	96.3	87.2
RAD-TF-89	83.0	78.3	91.0	95.7	87.0
PPG-TF-156	86.7	73.3	91.7	96.0	86.9
RHAMBLER 2 SRP (LSD)	82.7	78.3	89.7	96.7	86.8
ANNIHILATOR LEDEBOER	80.3	78.3	91.7	96.3	86.7
RZ2	90.3	65.0	95.0	96.3	86.7
IS-TF 291	82.7	83.3	83.3	96.7	86.5
BURL TF-69	82.3	75.0	91.7	96.7	86.4
PSG-WE1	88.7	70.0	90.0	97.0	86.4
RAD-TF-83	85.0	75.0	89.3	96.3	86.4
U45	86.0	73.3	90.0	96.3	86.4
IS-TF 289	83.3	76.7	90.0	95.3	86.3
RAD-TF-88	85.7	73.3	90.0	96.3	86.3
ATF 1612	87.3	71.7	90.0	96.0	86.3
HEMI	83.7	73.3	91.7	96.0	86.2
IS-TF 285	81.7	75.0	91.7	96.3	86.2
IS-TF-287	79.7	76.7	91.7	96.7	86.2
K12-05	85.7	71.7	91.7	95.7	86.2
WARHAWK	81.3	70.0	95.7	97.3	86.1
JS 819	82.0	75.0	92.7	94.3	86.0
HOT ROD (BURL TF-136)	84.7	71.7	94.0	93.3	85.9
COMP. RES. SST	76.7	78.3	93.3	95.3	85.9
SALTILLO (PST-5SALT)	84.0	76.7	86.7	96.0	85.8
BAR FA 121091	83.3	73.3	90.0	96.3	85.8

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
FRONTLINE (EXP TF-09)	82.7	68.3	96.0	96.0	85.8
PPG-TF-138	87.0	68.3	90.0	96.7	85.5
MET 6 SEL	86.0	70.0	90.0	95.7	85.4
TEMPTATION (OR-21)	81.7	70.0	93.0	97.0	85.4
PPG-TF-135	88.0	65.0	93.3	95.3	85.4
IS-TF 282 M2	83.7	75.0	85.0	97.0	85.2
JS 809	78.3	75.0	90.0	96.7	85.0
BULLSEYE	84.3	71.7	86.7	97.0	84.9
IS-TF 330	82.7	75.0	85.0	97.0	84.9
JS 825	80.7	75.0	88.3	95.7	84.9
PPG-TF-157	86.3	66.7	90.0	96.7	84.9
DB1	85.3	70.0	88.3	96.0	84.9
PST-5DZP	87.7	66.7	88.3	96.7	84.8
INSPIRATION (PST-R5NW)	87.3	65.0	90.0	97.0	84.8
GO-DFR	83.3	68.3	90.0	97.3	84.8
IS-TF 311	90.0	65.0	87.7	96.0	84.7
PSG-8BP2	84.3	68.3	90.0	96.0	84.7
JS 916	84.7	73.3	85.0	95.3	84.6
W41	87.3	71.7	81.7	96.3	84.3
BAR FA 121089	87.3	68.3	85.0	95.0	83.9
DZ1	76.3	71.7	91.7	95.7	83.8
IS-TF 284 M2	86.3	65.0	90.0	94.0	83.8
IS-TF 307 SEL	85.7	65.0	86.7	97.3	83.7
JS 818	78.7	68.3	91.7	96.0	83.7
IS-TF 272	89.0	61.7	88.3	94.7	83.4
TD1	78.0	73.3	86.7	95.7	83.4
IS-TF 305 SEL	79.7	70.0	88.3	94.7	83.2
RAD-TF-92	79.3	71.7	85.0	95.3	82.8
PPG-TF-142	79.3	66.7	86.7	96.7	82.3
K12-13	81.7	66.7	90.0	90.0	82.1
BAR FA 121095	79.7	66.7	85.0	95.0	81.6
PPG-TF-145	73.0	61.7	88.3	96.0	79.8
LSD VALUE	7.2	11.8	8.1	1.9	4.0
C.V. (%)	5.2	9.8	5.5	1.3	5.7

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

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
B23	83.7	95.7	96.3	97.3	93.3
F711	79.3	96.0	98.7	97.7	92.9
PST-5BRK	83.0	95.0	96.3	96.7	92.8
PPG-TF-105	79.7	94.3	98.3	97.3	92.4
GRANDE 3	79.7	96.7	96.0	96.3	92.2
RHAMBLER 2 SRP (LSD)	77.7	95.0	97.7	97.7	92.0
PICK-W43	80.7	93.3	97.0	97.0	92.0
PPG-TF-172	81.3	91.7	98.7	96.0	91.9
MET 6 SEL	81.3	91.7	96.3	98.0	91.8
PPG-TF-152	77.7	94.0	98.3	97.0	91.8
BIZEM	79.0	93.3	98.3	96.0	91.7
ATF 1704	80.3	91.7	97.7	96.3	91.5
PPG-TF-170	78.3	95.7	95.0	97.0	91.5
U45	80.3	91.7	97.3	96.7	91.5
PSG-PO1	81.0	91.7	95.7	97.3	91.4
FESNOVA	78.7	93.3	97.3	96.3	91.4
W45	76.3	96.0	95.7	97.3	91.3
PPG-TF-148	79.7	95.0	93.3	97.0	91.3
PSG-GSD	78.0	96.0	94.3	96.3	91.2
CCR2	84.0	89.3	94.3	96.7	91.1
MET-3	75.3	93.3	98.7	97.0	91.1
PPG-TF-157	78.0	92.3	96.0	98.0	91.1
MET 1	76.0	95.7	95.7	96.7	91.0
ATF 1612	81.7	90.0	95.0	97.3	91.0
CATALYST	75.7	93.3	98.7	96.3	91.0
LTP-FSD	78.0	96.0	93.0	97.0	91.0
BURL TF-69	78.7	92.3	95.3	97.3	90.9
PST-5RO5	76.0	96.3	94.3	97.0	90.9
IS-TF 276 M2	76.3	91.7	97.7	97.7	90.8
IS-TF-287	76.7	95.0	95.0	96.7	90.8
FALCON V	78.3	92.7	96.3	96.0	90.8
LTP-TWUU	77.0	91.7	97.3	97.0	90.8
PSG-WE1	77.3	91.7	96.0	98.0	90.8
PST-5EV2	77.3	93.3	98.3	94.0	90.8
PPG-TF-150	77.7	94.3	95.3	95.3	90.7
PPG-TF-151	77.7	93.3	97.7	93.7	90.6
PPG-TF-169	80.0	95.7	94.7	92.0	90.6
TERRANO	75.0	95.0	98.3	94.0	90.6
HEMI	76.3	91.7	97.0	97.0	90.5
LTP-F5DPDR	76.3	94.0	98.0	93.7	90.5
COMP. RES. SST	76.7	94.0	94.3	96.7	90.4
PPG-TF-135	76.0	91.7	97.7	96.3	90.4

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
RZ2	75.7	93.3	98.7	94.0	90.4
U43	75.7	93.7	97.3	94.7	90.3
DZ1	76.7	93.3	96.0	95.3	90.3
HOT ROD (BURL TF-136)	76.0	91.7	97.3	96.3	90.3
JS 916	78.3	93.3	94.7	94.7	90.3
GTO (BURL TF-2)	74.7	91.7	97.3	97.0	90.2
PST-5BPO	79.7	90.7	96.0	94.3	90.2
ATF 1754	76.0	91.7	96.3	96.3	90.1
FALCON IV	77.3	93.3	94.7	95.0	90.1
REGENERATE	79.7	96.0	88.3	96.3	90.1
IS-TF 289	78.3	91.0	96.0	94.7	90.0
IS-TF 291	77.0	93.3	92.7	97.0	90.0
SALTILLO (PST-5SALT)	77.7	95.0	93.0	94.3	90.0
PPG-TF-145	78.0	90.7	93.3	97.3	89.8
RAD-TF-88	73.7	93.3	95.0	97.3	89.8
TD1	77.3	90.0	95.3	96.7	89.8
PPG-TF-156	73.0	93.3	96.0	96.7	89.8
PST-5EX2	75.0	94.0	95.3	94.7	89.8
204 RES. BLK4	73.0	94.0	96.3	95.3	89.7
IS-TF 330	75.7	91.7	94.3	96.3	89.5
PPG-TF-115	75.3	94.0	91.3	97.0	89.4
ZW 44	71.0	94.3	94.3	98.0	89.4
IS-TF 269 SEL	70.7	94.3	94.7	97.7	89.3
PPG-TF-142	74.7	91.7	93.3	97.7	89.3
DB1	75.3	93.3	94.3	94.3	89.3
RAD-TF-92	76.0	91.7	94.7	94.7	89.3
ATF 1736	78.3	91.7	90.0	97.0	89.3
IS-TF 284 M2	75.0	90.0	95.3	96.7	89.3
IS-TF 305 SEL	73.7	90.0	96.0	97.3	89.3
RAIN DANCE (PST-5SDT)	79.0	88.3	97.0	92.7	89.3
MARAUDER	75.0	93.3	93.3	95.0	89.2
PST-5MVD	77.7	93.3	91.7	93.7	89.1
SRX-TPC	68.7	92.3	97.3	97.7	89.0
T31	75.3	88.3	96.3	96.0	89.0
IS-TF 282 M2	79.0	91.7	88.3	96.7	88.9
K12-MCD	73.0	92.7	94.7	95.0	88.8
PPG-TF-138	75.0	91.7	94.3	94.3	88.8
WARHAWK	74.0	90.0	96.0	95.3	88.8
IS-TF 272	77.3	86.7	94.3	96.7	88.8
IS-TF 308 SEL	68.7	91.7	97.3	97.3	88.8
CAESAR (TY 10)	71.0	94.3	95.0	93.7	88.5
PPG-TF-139	71.3	93.3	91.7	97.7	88.5

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	MO1	NC1	TN1	MEAN
PST-5GRB	72.3	91.7	97.0	92.7	88.4
TEMPTATION (OR-21)	69.7	91.7	97.3	94.7	88.3
BAR FA 121089	77.3	90.0	90.0	96.0	88.3
BAR FA 121095	76.7	90.0	91.7	94.7	88.3
PST-5DZP	76.0	91.0	95.0	90.3	88.1
FIREBIRD 2	68.3	93.3	93.3	97.0	88.0
IS-TF 285	63.7	95.0	96.3	97.0	88.0
IS-TF 307 SEL	70.7	91.7	93.3	96.3	88.0
JS 825	73.3	94.0	91.7	93.0	88.0
BAR FA 120878	75.7	93.3	90.0	92.3	87.8
JS 819	73.3	93.3	96.3	88.3	87.8
FAITH	65.7	93.3	96.0	95.7	87.7
ANNIHILATOR LEDEBOER	70.3	92.3	91.7	96.3	87.7
JS 818	75.0	90.0	93.0	92.0	87.5
RAD-TF-83	70.3	90.0	93.3	96.0	87.4
PPG-TF-137	62.7	93.3	97.3	96.0	87.3
INSPIRATION (PST-R5NW)	71.0	91.7	93.3	93.0	87.3
RAD-TF-89	64.3	94.7	94.7	94.7	87.1
GO-DFR	71.0	92.7	93.3	91.3	87.1
BULLSEYE	70.0	91.7	90.0	96.3	87.0
IS-TF 310 SEL	60.7	93.3	97.0	97.0	87.0
K12-05	71.0	91.7	95.0	89.7	86.8
FRONTLINE (EXP TF-09)	68.3	91.0	93.3	93.0	86.4
AQUADUCT	61.3	95.0	93.3	95.7	86.3
PSG-TT4	66.7	91.7	92.7	92.0	85.8
JS 809	69.0	95.0	93.0	85.7	85.7
IS-TF 311	64.3	88.3	93.0	97.0	85.7
W41	62.7	93.3	90.0	95.3	85.3
K12-13	66.0	90.0	93.3	91.7	85.3
PSG-8BP2	64.7	86.7	93.3	95.3	85.0
BAR FA 121091	71.3	90.0	88.3	87.3	84.3
KY-31	71.7	95.0	81.7	84.0	83.1
LSD VALUE	12.0	5.2	5.9	5.2	3.8
C.V. (%)	10.0	3.5	3.9	3.4	5.3

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.

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	GA1	NC1	OK1	TN1	MEAN
PICK-W43	70.0	99.0	91.7	95.3	89.0
K12-05	70.0	98.3	90.0	95.0	88.3
ATF 1736	73.3	96.3	86.7	96.0	88.1
CAESAR (TY 10)	70.0	98.3	88.3	94.3	87.8
IS-TF-287	80.0	97.3	78.3	95.3	87.8
RAIN DANCE (PST-5SDT)	63.3	98.7	92.7	96.0	87.7
PPG-TF-151	63.3	98.7	91.7	95.7	87.3
PST-5BRK	66.7	98.3	86.7	97.0	87.2
PPG-TF-152	66.7	99.0	86.7	96.0	87.1
TERRANO	65.0	99.0	90.0	94.0	87.0
ZW 44	70.0	98.7	83.3	95.0	86.8
PPG-TF-169	66.7	98.7	86.7	94.3	86.6
BIZEM	66.7	98.7	85.0	95.7	86.5
RHAMBLER 2 SRP (LSD)	66.7	98.7	85.0	95.7	86.5
PST-5GRB	60.0	97.7	91.7	96.3	86.4
SRX-TPC	66.7	98.7	85.0	95.0	86.3
GRANDE 3	63.3	99.0	86.7	95.7	86.2
INSPIRATION (PST-R5NW)	63.3	96.3	88.3	95.7	85.9
LTP-F5DPDR	60.0	99.0	88.3	95.7	85.8
IS-TF 310 SEL	60.0	99.0	88.3	95.0	85.6
IS-TF 276 M2	60.0	99.0	87.7	95.0	85.4
MET 1	70.0	99.0	76.7	95.7	85.3
IS-TF 308 SEL	65.0	99.0	81.7	95.0	85.2
W45	66.7	97.7	81.7	94.7	85.2
FRONTLINE (EXP TF-09)	60.0	97.0	88.3	95.0	85.1
K12-13	66.7	93.3	85.0	95.3	85.1
PPG-TF-156	66.7	99.0	78.3	95.7	84.9
GTO (BURL TF-2)	60.0	99.0	85.0	95.3	84.8
MET-3	60.0	99.0	85.0	95.3	84.8
JS 809	70.0	96.3	81.7	90.7	84.7
ATF 1612	56.7	97.7	88.3	95.3	84.5
PPG-TF-170	70.0	98.7	73.3	95.7	84.4
F711	60.0	99.0	83.3	95.3	84.4
BAR FA 120878	53.3	96.0	91.7	96.3	84.3
K12-MCD	55.0	97.7	88.3	96.3	84.3
IS-TF 305 SEL	53.3	98.3	90.0	95.3	84.3
AQUADUCT	55.0	95.0	91.7	95.0	84.2
TD1	53.3	98.7	90.0	94.7	84.2
PST-5MVD	56.7	97.3	86.7	95.7	84.1
CCR2	56.7	97.7	86.7	95.3	84.1
LTP-FSD	56.7	97.7	86.7	95.3	84.1
IS-TF 284 M2	53.3	97.0	90.0	95.0	83.8

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PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	GA1	NC1	OK1	TN1	MEAN
IS-TF 285	56.7	97.7	85.0	95.7	83.8
RZ2	50.0	99.0	90.0	96.0	83.8
PPG-TF-105	53.3	99.0	86.7	95.7	83.7
PST-5DZP	56.7	96.0	86.0	95.3	83.5
IS-TF 282 M2	53.3	94.7	90.0	95.7	83.4
IS-TF 330	53.3	96.3	88.7	95.3	83.4
IS-TF 272	50.0	97.7	90.0	95.7	83.3
IS-TF 269 SEL	53.3	96.3	88.3	95.0	83.3
IS-TF 311	50.0	97.7	90.0	95.3	83.3
FIREBIRD 2	56.7	97.3	83.3	95.3	83.2
BAR FA 121089	50.0	95.3	91.7	95.3	83.1
IS-TF 289	46.7	97.3	93.3	95.0	83.1
DZ1	56.7	98.3	81.7	95.3	83.0
PST-5EX2	46.7	98.7	90.0	96.7	83.0
U45	53.3	99.0	83.3	95.7	82.8
JS 825	50.0	96.0	90.0	95.3	82.8
KY-31	55.0	91.7	88.3	96.3	82.8
PPG-TF-138	56.7	98.3	80.0	96.3	82.8
FAITH	53.3	98.7	83.3	95.3	82.7
PSG-WE1	53.3	98.3	83.3	95.0	82.5
PPG-TF-137	50.0	99.0	85.0	95.7	82.4
FALCON IV	50.0	97.7	86.7	95.0	82.3
PSG-GSD	50.0	96.3	86.7	96.0	82.3
IS-TF 291	53.3	96.0	83.3	95.3	82.0
PSG-TT4	50.0	98.3	83.3	96.3	82.0
PPG-TF-115	46.7	94.7	90.0	96.3	81.9
W41	50.0	94.3	88.3	95.0	81.9
PPG-TF-150	50.0	98.7	82.7	95.7	81.8
PST-5EV2	43.3	97.7	90.0	96.0	81.8
PST-5RO5	46.7	97.3	86.7	96.3	81.8
HOT ROD (BURL TF-136)	50.0	98.7	81.7	96.3	81.7
PPG-TF-139	45.0	98.7	86.7	96.0	81.6
TEMPTATION (OR-21)	43.3	98.7	90.0	94.3	81.6
FESNOVA	46.7	97.7	86.7	95.0	81.5
MET 6 SEL	50.0	98.7	81.7	95.3	81.4
PST-5BPO	43.3	97.3	88.3	96.7	81.4
DB1	56.7	96.0	76.7	95.0	81.1
GO-DFR	46.7	96.0	86.7	95.0	81.1
ATF 1754	53.3	97.7	76.7	96.0	80.9
RAD-TF-92	66.7	98.7	65.0	93.3	80.9
BAR FA 121091	46.7	94.3	87.7	94.3	80.8
IS-TF 307 SEL	40.0	97.3	90.0	95.0	80.6

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	GA1	NC1	OK1	TN1	MEAN
BAR FA 121095	43.3	95.0	87.7	95.3	80.3
PPG-TF-145	40.0	96.3	89.3	95.7	80.3
SALTILLO (PST-5SALT)	36.7	95.7	92.7	96.3	80.3
B23	60.0	98.0	66.7	95.7	80.1
BULLSEYE	50.0	96.3	78.3	95.7	80.1
PPG-TF-135	43.3	99.0	82.7	95.3	80.1
RAD-TF-83	60.0	96.0	71.7	92.3	80.0
REGENERATE	60.0	99.0	66.7	94.3	80.0
FALCON V	43.3	97.3	83.3	95.3	79.8
U43	53.3	99.0	71.7	94.3	79.6
ATF 1704	33.3	99.0	90.0	95.7	79.5
T31	40.0	98.3	85.0	94.7	79.5
PPG-TF-172	36.7	99.0	86.0	95.7	79.3
PSG-8BP2	36.7	92.7	91.0	95.7	79.0
HEMI	50.0	98.3	71.7	95.7	78.9
LTP-TWUU	35.0	99.0	86.7	95.0	78.9
PPG-TF-142	36.7	97.0	86.7	95.0	78.8
WARHAWK	46.7	96.0	78.3	93.3	78.6
PSG-PO1	43.3	97.7	76.7	96.0	78.4
PPG-TF-157	33.3	98.7	86.0	95.3	78.3
JS 916	36.7	97.3	83.3	95.3	78.2
JS 819	46.7	96.3	76.7	92.7	78.1
JS 818	40.0	97.3	80.0	94.3	77.9
BURL TF-69	53.3	98.7	66.7	91.3	77.5
PPG-TF-148	45.0	98.7	70.0	96.0	77.4
RAD-TF-89	63.3	98.7	51.7	92.7	76.6
204 RES. BLK4	55.0	94.7	58.3	93.7	75.4
CATALYST	35.0	99.0	68.3	95.7	74.5
MARAUDER	56.7	97.0	53.3	78.3	71.3
RAD-TF-88	53.3	98.7	40.0	91.3	70.8
ANNIHILATOR LEDEBOER	53.3	94.7	60.0	71.3	69.8
COMP. RES. SST	53.3	97.7	40.0	77.3	67.1
LSD VALUE	28.9	3.1	12.6	4.9	7.7
C.V. (%)	32.2	2.0	9.5	3.2	11.6

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.

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TABLE 24.   WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
                                         2013 DATA

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

NAME	MS1	TN1	MEAN	NAME	MS1	TN1	MEAN
PPG-TF-139	7.3	8.3	7.8	RHAMBLER 2 SRP (LSD)	7.0	7.3	7.2
TEMPTATION (OR-21)	7.3	8.3	7.8	SRX-TPC	7.0	7.3	7.2
PPG-TF-151	7.0	8.3	7.7	U45	7.0	7.3	7.2
PPG-TF-157	7.0	8.3	7.7	AQUADUCT	7.3	6.7	7.0
RAD-TF-83	7.3	8.0	7.7	ATF 1704	7.0	7.0	7.0
BURL TF-69	7.0	8.0	7.5	ATF 1754	7.0	7.0	7.0
IS-TF 282 M2	7.0	8.0	7.5	B23	7.0	7.0	7.0
IS-TF 291	7.3	7.7	7.5	CATALYST	7.0	7.0	7.0
PPG-TF-172	7.0	8.0	7.5	COMP. RES. SST	7.0	7.0	7.0
T31	7.0	8.0	7.5	DZ1	7.0	7.0	7.0
W41	7.0	8.0	7.5	FALCON V	7.0	7.0	7.0
ANNIHILATOR LEDEBOER	7.0	7.7	7.3	FRONTLINE (EXP TF-09)	7.3	6.7	7.0
BAR FA 121091	7.0	7.7	7.3	GTO (BURL TF-2)	7.0	7.0	7.0
DB1	7.0	7.7	7.3	INSPIRATION (PST-R5NW)	7.0	7.0	7.0
GRANDE 3	7.0	7.7	7.3	IS-TF 307 SEL	7.0	7.0	7.0
HEMI	7.0	7.7	7.3	LTP-TWUU	7.0	7.0	7.0
IS-TF 269 SEL	7.0	7.7	7.3	PPG-TF-142	7.3	6.7	7.0
IS-TF 276 M2	7.0	7.7	7.3	PSG-PO1	7.0	7.0	7.0
IS-TF 310 SEL	7.0	7.7	7.3	PSG-WE1	7.0	7.0	7.0
MET 1	7.0	7.7	7.3	PST-5BRK	7.0	7.0	7.0
PPG-TF-138	7.0	7.7	7.3	RAD-TF-88	7.0	7.0	7.0
PPG-TF-148	7.0	7.7	7.3	RAD-TF-89	7.0	7.0	7.0
PST-5BPO	7.0	7.7	7.3	W45	7.0	7.0	7.0
TD1	7.0	7.7	7.3	ZW 44	7.0	7.0	7.0
U43	7.0	7.7	7.3	204 RES. BLK4	7.0	6.7	6.8
IS-TF 308 SEL	7.3	7.3	7.3	ATF 1736	7.0	6.7	6.8
PPG-TF-115	7.3	7.3	7.3	F711	7.0	6.7	6.8
CAESAR (TY 10)	7.7	6.7	7.2	FALCON IV	7.0	6.7	6.8
WARHAWK	6.7	7.7	7.2	GO-DFR	7.0	6.7	6.8
ATF 1612	7.0	7.3	7.2	IS-TF 305 SEL	7.0	6.7	6.8
CCR2	7.0	7.3	7.2	PICK-W43	7.0	6.7	6.8
FIREBIRD 2	7.0	7.3	7.2	PPG-TF-105	7.0	6.7	6.8
IS-TF 311	7.0	7.3	7.2	PPG-TF-135	7.0	6.7	6.8
K12-MCD	7.0	7.3	7.2	PST-5EV2	7.0	6.7	6.8
LTP-FSD	7.0	7.3	7.2	REGENERATE	7.0	6.7	6.8
MARAUDER	7.0	7.3	7.2	BAR FA 121095	7.0	6.3	6.7
PPG-TF-145	7.0	7.3	7.2	FAITH	7.0	6.3	6.7
PPG-TF-156	7.0	7.3	7.2	IS-TF 272	7.0	6.3	6.7
PPG-TF-169	7.0	7.3	7.2	IS-TF 289	7.0	6.3	6.7
PPG-TF-170	7.3	7.0	7.2	IS-TF 330	7.3	6.0	6.7
PSG-GSD	7.0	7.3	7.2	JS 809	7.0	6.3	6.7
				JS 825	7.0	6.3	6.7

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

NAME	MS1	TN1	MEAN
LTP-F5DPDR	7.0	6.3	6.7
MET-3	7.0	6.3	6.7
PPG-TF-137	7.0	6.3	6.7
PPG-TF-150	7.0	6.3	6.7
PSG-8BP2	7.0	6.3	6.7
PST-5MVD	7.0	6.3	6.7
PST-5RO5	7.0	6.3	6.7
RZ2	7.0	6.3	6.7
TERRANO	7.0	6.3	6.7
BAR FA 120878	7.0	6.0	6.5
BAR FA 121089	7.0	6.0	6.5
BIZEM	7.0	6.0	6.5
FESNOVA	7.0	6.0	6.5
IS-TF 285	7.0	6.0	6.5
JS 916	7.0	6.0	6.5
MET 6 SEL	7.0	6.0	6.5
PSG-TT4	7.0	6.0	6.5
PST-5GRB	7.0	6.0	6.5
RAIN DANCE (PST-5SDT)	7.0	6.0	6.5
SALTILLO (PST-5SALT)	7.0	6.0	6.5
IS-TF 284 M2	7.0	5.7	6.3
IS-TF-287	7.0	5.7	6.3
PPG-TF-152	6.7	6.0	6.3
PST-5DZP	7.0	5.7	6.3
RAD-TF-92	7.0	5.7	6.3
BULLSEYE	7.0	5.3	6.2
HOT ROD (BURL TF-136)	7.0	5.3	6.2
JS 818	7.0	5.3	6.2
JS 819	7.0	5.3	6.2
K12-05	7.0	5.3	6.2
PST-5EX2	7.0	5.3	6.2
K12-13	7.0	4.0	5.5
KY-31	5.3	5.3	5.3
LSD VALUE	0.3	1.9	1.0
C.V. (%)	3.0	17.6	12.5

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

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

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TABLE 25.              TYPHULA BLIGHT RATINGS OF TALL FESCUE CULTIVARS  1/
                                      2013 DATA

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

NAME                     CT1                      NAME                     CT1

IS-TF 308 SEL            6.7                      PST-5RO5                 5.3
JS 916                   6.7                      REGENERATE               5.3
MET-3                    6.7                      SRX-TPC                  5.3
F711                     6.3                      T31                      5.3
GTO (BURL TF-2)          6.3                      ATF 1612                 5.0
IS-TF 282 M2             6.3                      CATALYST                 5.0
IS-TF 291                6.3                      INSPIRATION (PST-R5NW)   5.0
IS-TF 307 SEL            6.3                      IS-TF 272                5.0
PPG-TF-148               6.3                      IS-TF 285                5.0
PPG-TF-156               6.3                      MET 1                    5.0
BIZEM                    6.0                      PPG-TF-115               5.0
FIREBIRD 2               6.0                      PPG-TF-135               5.0
LTP-F5DPDR               6.0                      PPG-TF-150               5.0
PPG-TF-137               6.0                      PSG-PO1                  5.0
PPG-TF-152               6.0                      PST-5DZP                 5.0
U45                      6.0                      TERRANO                  5.0
ZW 44                    6.0                      U43                      5.0
ATF 1704                 5.7                      W45                      5.0
ATF 1754                 5.7                      AQUADUCT                 4.7
CCR2                     5.7                      BAR FA 120878            4.7
DZ1                      5.7                      BULLSEYE                 4.7
FALCON V                 5.7                      FESNOVA                  4.7
HEMI                     5.7                      IS-TF 284 M2             4.7
IS-TF 330                5.7                      IS-TF 289                4.7
IS-TF-287                5.7                      LTP-FSD                  4.7
PST-5EV2                 5.7                      PPG-TF-139               4.7
PST-5GRB                 5.7                      PPG-TF-157               4.7
RZ2                      5.7                      PPG-TF-172               4.7
ATF 1736                 5.3                      PSG-TT4                  4.7
HOT ROD (BURL TF-136)    5.3                      PST-5BPO                 4.7
IS-TF 311                5.3                      PST-5EX2                 4.7
KY-31                    5.3                      W41                      4.7
LTP-TWUU                 5.3                      FALCON IV                4.3
MET 6 SEL                5.3                      FRONTLINE (EXP TF-O9)    4.3
PPG-TF-105               5.3                      GRANDE 3                 4.3
PPG-TF-138               5.3                      IS-TF 269 SEL            4.3
PPG-TF-145               5.3                      IS-TF 305 SEL            4.3
PPG-TF-151               5.3                      JS 809                   4.3
PPG-TF-170               5.3                      JS 825                   4.3
PSG-8BP2                 5.3                      K12-MCD                  4.3
PSG-WE1                  5.3                      PICK-W43                 4.3
                                                  PPG-TF-142               4.3
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TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	CT1
PPG-TF-169	4.3
PSG-GSD	4.3
PST-5BRK	4.3
RHAMBLER 2 SRP (LSD)	4.3
TD1	4.3
B23	4.0
BAR FA 121091	4.0
CAESAR (TY 10)	4.0
COMP. RES. SST	4.0
GO-DFR	4.0
JS 818	4.0
JS 819	4.0
PST-5MVD	4.0
RAD-TF-92	4.0
BURL TF-69	3.7
DB1	3.7
FAITH	3.7
IS-TF 276 M2	3.7
RAD-TF-83	3.7
RAD-TF-88	3.7
RAIN DANCE (PST-5SDT)	3.7
SALTILLO (PST-5SALT)	3.7
TEMPTATION (OR-21)	3.7
BAR FA 121089	3.3
BAR FA 121095	3.3
IS-TF 310 SEL	3.3
K12-05	3.3
MARAUDER	3.3
RAD-TF-89	3.3
ANNIHILATOR LEDEBOER	3.0
204 RES. BLK4	2.3
K12-13	2.3
WARHAWK	2.3
LSD VALUE	1.7
C.V. (%)	22.3

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.

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

NAME	AR1	MD1	NC1	NJ2	TN1	MEAN
W45	9.0	8.3	8.0	7.7	8.7	8.3
F711	8.7	8.3	8.7	5.7	9.0	8.1
RZ2	8.3	7.7	8.7	6.7	8.7	8.0
ZW 44	7.7	8.7	8.0	7.0	8.7	8.0
U43	7.7	8.7	8.0	7.0	8.3	7.9
PPG-TF-156	9.0	7.7	7.7	6.3	8.7	7.9
MET 6 SEL	8.3	7.7	8.0	6.3	8.7	7.8
MET-3	8.7	6.7	8.7	6.3	8.7	7.8
PICK-W43	8.7	8.7	8.0	5.7	8.0	7.8
PPG-TF-137	8.0	8.3	8.0	6.0	8.7	7.8
RHAMBLER 2 SRP (LSD)	8.3	7.7	8.3	5.7	9.0	7.8
B23	7.0	8.0	8.0	7.0	8.7	7.7
CCR2	8.7	7.0	8.0	7.0	8.0	7.7
LTP-TWUU	7.3	8.0	7.7	7.3	8.3	7.7
IS-TF 285	9.0	7.3	7.7	5.7	8.7	7.7
IS-TF 291	8.3	8.3	7.7	5.3	8.7	7.7
SRX-TPC	9.0	8.0	7.7	5.3	8.3	7.7
ATF 1704	8.7	7.0	8.7	5.7	8.0	7.6
FESNOVA	8.0	8.0	8.0	6.0	8.0	7.6
IS-TF-287	9.0	8.0	7.7	5.0	8.3	7.6
PPG-TF-150	8.0	7.7	8.3	5.7	8.3	7.6
HEMI	8.0	7.0	8.0	5.7	9.0	7.5
PPG-TF-105	5.3	8.3	8.3	6.7	9.0	7.5
PST-5EV2	8.3	7.3	7.7	6.0	8.3	7.5
ATF 1736	8.7	7.7	8.3	4.3	8.7	7.5
IS-TF 311	8.3	7.3	8.0	5.3	8.7	7.5
U45	7.3	8.0	7.7	6.0	8.7	7.5
IS-TF 330	9.0	6.0	8.3	5.7	8.3	7.5
PST-5EX2	8.0	7.0	8.3	5.7	8.3	7.5
IS-TF 305 SEL	8.7	6.7	8.0	5.0	9.0	7.5
REGENERATE	7.0	8.3	7.7	6.3	8.0	7.5
HOT ROD (BURL TF-136)	7.0	7.0	8.0	6.3	8.7	7.4
LTP-F5DPDR	8.0	7.0	8.3	5.7	8.0	7.4
MET 1	6.0	8.7	8.0	5.7	8.7	7.4
PPG-TF-135	7.3	8.0	7.7	5.3	8.7	7.4
BIZEM	8.0	7.7	7.7	5.3	8.0	7.3
LTP-FSD	7.7	7.7	8.0	4.7	8.7	7.3
PPG-TF-152	5.3	7.7	8.3	6.3	9.0	7.3
PSG-PO1	6.7	8.0	7.7	5.7	8.7	7.3
FIREBIRD 2	7.3	7.0	8.0	6.0	8.3	7.3
PPG-TF-139	8.7	7.0	7.7	5.0	8.3	7.3

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

NAME	AR1	MD1	NC1	NJ2	TN1	MEAN
PPG-TF-157	6.7	7.0	8.0	6.3	8.7	7.3
PST-5MVD	8.0	7.3	7.7	5.3	8.3	7.3
FALCON V	6.7	7.0	8.0	5.7	9.0	7.3
GTO (BURL TF-2)	6.7	7.7	7.7	5.7	8.7	7.3
FAITH	7.0	7.3	7.3	6.0	8.7	7.3
CATALYST	6.0	7.7	8.0	5.7	8.7	7.2
GRANDE 3	7.3	7.7	7.3	5.0	8.7	7.2
PPG-TF-172	6.3	7.3	8.0	5.7	8.7	7.2
T31	7.0	7.7	7.7	5.3	8.3	7.2
PPG-TF-170	5.3	7.7	8.3	6.3	8.0	7.1
BULLSEYE	8.0	7.3	7.3	4.7	8.3	7.1
K12-MCD	8.7	6.7	7.7	4.0	8.7	7.1
PSG-WE1	6.7	7.3	8.0	5.0	8.7	7.1
PPG-TF-115	7.0	7.3	8.7	3.7	8.7	7.1
PST-5GRB	7.3	6.7	7.7	5.3	8.3	7.1
ATF 1612	5.3	7.0	8.0	5.7	9.0	7.0
ATF 1754	7.3	7.3	7.0	4.7	8.7	7.0
IS-TF 289	6.7	7.7	7.3	5.0	8.3	7.0
IS-TF 307 SEL	6.7	7.0	8.0	4.7	8.7	7.0
IS-TF 308 SEL	6.3	7.7	7.7	4.7	8.7	7.0
IS-TF 310 SEL	6.7	6.7	7.3	5.7	8.7	7.0
JS 916	6.7	7.3	7.7	5.3	8.0	7.0
PPG-TF-148	3.3	7.7	8.3	6.7	9.0	7.0
PST-5BPO	7.3	7.3	8.0	4.3	8.0	7.0
TERRANO	7.3	7.7	8.0	4.3	7.7	7.0
IS-TF 284 M2	7.0	7.0	7.7	4.7	8.3	6.9
IS-TF 282 M2	8.7	7.0	7.7	3.3	8.0	6.9
PST-5BRK	6.0	7.3	8.0	5.3	8.0	6.9
PSG-GSD	7.0	7.0	7.7	4.3	8.3	6.9
CAESAR (TY 10)	9.0	6.7	7.0	3.7	7.7	6.8
PPG-TF-169	6.0	7.0	7.7	5.7	7.7	6.8
W41	6.3	7.0	7.3	5.0	8.3	6.8
RAD-TF-89	6.7	6.7	6.7	5.7	8.0	6.7
SALTILLO (PST-5SALT)	5.3	7.7	8.0	4.3	8.3	6.7
FALCON IV	7.7	6.3	7.3	3.7	8.3	6.7
PPG-TF-145	7.3	6.3	7.3	4.0	8.3	6.7
BAR FA 121095	7.3	6.0	7.3	4.3	8.3	6.7
KY-31	9.0	6.3	7.3	3.7	7.0	6.7
FRONTLINE (EXP TF-09)	7.7	7.0	6.7	3.7	8.0	6.6
IS-TF 269 SEL	5.7	7.0	7.7	4.3	8.3	6.6
PPG-TF-151	4.3	7.7	8.0	5.0	8.0	6.6
DZ1	6.0	6.0	8.0	4.3	8.3	6.5

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

NAME	AR1	MD1	NC1	NJ2	TN1	MEAN
INSPIRATION (PST-R5NW)	6.3	7.0	7.3	3.7	8.3	6.5
IS-TF 272	4.0	7.3	7.7	5.0	8.7	6.5
PST-5RO5	6.7	7.3	7.3	3.0	8.3	6.5
RAD-TF-92	6.3	6.0	7.0	5.0	8.3	6.5
PSG-8BP2	6.3	6.3	7.3	3.3	9.0	6.5
RAD-TF-88	3.7	7.3	7.7	5.3	8.0	6.4
TD1	5.0	5.3	7.3	5.7	8.7	6.4
BAR FA 121089	6.3	5.7	7.3	4.7	7.7	6.3
PPG-TF-138	4.7	7.0	7.7	4.7	7.7	6.3
PPG-TF-142	5.7	6.3	7.0	4.7	8.0	6.3
TEMPTATION (OR-21)	5.3	5.7	8.0	4.3	8.3	6.3
IS-TF 276 M2	4.7	6.3	7.7	4.0	8.7	6.3
JS 825	6.7	5.7	7.7	3.7	7.7	6.3
RAD-TF-83	5.7	5.0	7.7	4.7	8.3	6.3
PSG-TT4	5.0	7.0	7.3	3.7	8.0	6.2
BURL TF-69	3.0	6.7	7.7	5.0	8.3	6.1
AQUADUCT	5.7	7.3	6.7	3.0	8.0	6.1
K12-13	6.0	6.3	7.7	3.0	7.7	6.1
PST-5DZP	4.3	7.0	7.7	3.3	8.3	6.1
JS 819	4.7	6.0	6.7	4.0	8.3	5.9
BAR FA 120878	6.7	6.7	6.0	2.7	7.3	5.9
RAIN DANCE (PST-5SDT)	3.7	6.3	7.3	4.3	7.7	5.9
DB1	3.7	5.3	7.3	4.3	8.3	5.8
GO-DFR	2.7	5.7	7.7	4.0	8.3	5.7
JS 818	2.3	7.0	7.3	3.7	8.0	5.7
JS 809	2.0	6.3	8.0	4.0	7.3	5.5
K12-05	3.3	4.3	7.7	4.3	8.0	5.5
WARHAWK	4.0	5.0	7.0	2.3	8.3	5.3
ANNIHILATOR LEDEBOER	5.0	4.7	6.3	2.3	8.0	5.3
BAR FA 121091	2.7	6.0	6.3	2.3	7.7	5.0
COMP. RES. SST	2.0	5.0	6.7	3.3	8.0	5.0
MARAUDER	3.0	3.7	6.7	2.7	8.3	4.9
204 RES. BLK4	0.7	6.0	6.0	3.0	8.3	4.8
LSD VALUE	3.9	1.4	1.1	1.8	0.8	0.9
C.V. (%)	36.9	12.7	8.7	22.2	6.1	18.9

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 27.
PYTHIUM BLIGHT RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	OK1	TN1	MEAN	NAME	OK1	TN1	MEAN
IS-TF 289	8.7	9.0	8.8	GO-DFR	7.0	9.0	8.0
RZ2	8.7	9.0	8.8	IS-TF 272	7.3	8.7	8.0
ATF 1704	8.3	9.0	8.7	IS-TF 305 SEL	7.0	9.0	8.0
GTO (BURL TF-2)	9.0	8.3	8.7	IS-TF 310 SEL	7.0	9.0	8.0
PST-5R05	8.3	9.0	8.7	MET 1	8.0	8.0	8.0
SALTILLO (PST-5SALT)	8.3	9.0	8.7	PPG-TF-152	7.0	9.0	8.0
PPG-TF-148	8.7	8.7	8.7	PSG-PO1	7.7	8.3	8.0
ATF 1736	8.3	8.7	8.5	PST-5BRK	7.0	9.0	8.0
BULLSEYE	8.3	8.7	8.5	TERRANO	7.7	8.3	8.0
IS-TF 282 M2	8.3	8.7	8.5	ATF 1754	7.3	8.3	7.8
PPG-TF-137	8.0	9.0	8.5	F711	7.7	8.0	7.8
PST-5BPO	8.0	9.0	8.5	IS-TF 285	6.7	9.0	7.8
PST-5EV2	8.0	9.0	8.5	KY-31	7.3	8.3	7.8
PST-5GRB	8.0	9.0	8.5	PPG-TF-138	6.7	9.0	7.8
REGENERATE	8.3	8.7	8.5	PST-5MVD	6.7	9.0	7.8
SRX-TPC	8.3	8.7	8.5	RAIN DANCE (PST-5SDT)	6.7	9.0	7.8
ATF 1612	7.7	9.0	8.3	TEMPTATION (OR-21)	7.3	8.3	7.8
IS-TF 284 M2	7.7	9.0	8.3	W41	7.7	8.0	7.8
IS-TF 307 SEL	7.7	9.0	8.3	BAR FA 120878	7.0	8.7	7.8
IS-TF-287	8.3	8.3	8.3	IS-TF 269 SEL	7.0	8.7	7.8
PPG-TF-135	7.7	9.0	8.3	IS-TF 308 SEL	7.0	8.7	7.8
PST-5EX2	7.7	9.0	8.3	LTP-FSD	7.0	8.7	7.8
RHAMBLER 2 SRP (LSD)	7.7	9.0	8.3	PICK-W43	7.0	8.7	7.8
CATALYST	8.0	8.7	8.3	PPG-TF-156	7.0	8.7	7.8
INSPIRATION (PST-R5NW)	8.0	8.7	8.3	T31	7.0	8.7	7.8
IS-TF 330	8.0	8.7	8.3	FALCON V	7.0	8.3	7.7
LTP-TWUU	8.0	8.7	8.3	BAR FA 121089	6.7	8.7	7.7
PSG-GSD	8.0	8.7	8.3	CCR2	6.3	9.0	7.7
ZW 44	8.0	8.7	8.3	IS-TF 291	6.7	8.7	7.7
FESNOVA	8.0	8.3	8.2	LTP-F5DPDR	6.7	8.7	7.7
U43	8.3	8.0	8.2	PPG-TF-105	6.7	8.7	7.7
FAITH	7.7	8.7	8.2	PPG-TF-170	6.7	8.7	7.7
FIREBIRD 2	7.7	8.7	8.2	AQUADUCT	6.7	8.3	7.5
GRANDE 3	7.7	8.7	8.2	HOT ROD (BURL TF-136)	6.7	8.3	7.5
IS-TF 311	7.3	9.0	8.2	JS 809	6.7	8.3	7.5
JS 916	7.3	9.0	8.2	K12-05	6.0	9.0	7.5
K12-MCD	7.7	8.7	8.2	PPG-TF-151	6.7	8.3	7.5
PPG-TF-157	7.3	9.0	8.2	B23	6.3	8.3	7.3
PSG-8BP2	7.7	8.7	8.2	IS-TF 276 M2	6.3	8.3	7.3
BIZEM	7.0	9.0	8.0	MET 6 SEL	5.7	9.0	7.3
CAESAR (TY 10)	7.7	8.3	8.0	PPG-TF-172	6.3	8.3	7.3
				FRONTLINE (EXP TF-09)	6.0	8.7	7.3

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

NAME	OK1	TN1	MEAN
PPG-TF-139	6.0	8.7	7.3
PPG-TF-169	6.7	7.7	7.2
PST-5DZP	6.0	8.3	7.2
W45	6.0	8.3	7.2
JS 818	6.3	8.0	7.2
K12-13	5.7	8.7	7.2
MET-3	5.7	8.7	7.2
PPG-TF-145	5.3	9.0	7.2
PPG-TF-150	5.3	9.0	7.2
JS 825	5.7	8.3	7.0
PSG-TT4	5.3	8.7	7.0
FALCON IV	5.7	8.0	6.8
PPG-TF-115	5.3	8.3	6.8
PPG-TF-142	4.7	9.0	6.8
U45	5.7	8.0	6.8
RAD-TF-89	6.3	7.3	6.8
PSG-WE1	5.0	8.3	6.7
DB1	5.3	8.0	6.7
JS 819	5.3	8.0	6.7
BAR FA 121091	4.7	8.3	6.5
TD1	5.0	8.0	6.5
BURL TF-69	5.7	7.0	6.3
HEMI	4.7	8.0	6.3
DZ1	4.3	8.0	6.2
BAR FA 121095	4.0	8.0	6.0
RAD-TF-88	5.3	6.7	6.0
RAD-TF-92	4.7	7.3	6.0
WARHAWK	4.0	7.3	5.7
204 RES. BLK4	4.0	7.0	5.5
RAD-TF-83	3.3	7.3	5.3
ANNIHILATOR LEDEBOER	5.0	4.7	4.8
MARAUDER	3.7	5.0	4.3
COMP. RES. SST	3.3	3.7	3.5
LSD VALUE	2.7	1.0	1.4
C.V. (%)	24.9	7.4	16.7

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.   FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
                                        2013 DATA

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

NAME	IL1	NE1	MEAN	NAME	IL1	NE1	MEAN
TD1	7.0	6.0	6.5	CCR2	6.0	5.7	5.8
PPG-TF-105	7.0	5.7	6.3	F711	6.0	5.7	5.8
PPG-TF-157	6.7	6.0	6.3	FRONTLINE (EXP TF-09)	6.0	5.7	5.8
PPG-TF-170	6.7	6.0	6.3	GRANDE 3	6.0	5.7	5.8
TEMPTATION (OR-21)	6.7	6.0	6.3	HOT ROD (BURL TF-136)	6.0	5.7	5.8
BIZEM	6.3	6.3	6.3	IS-TF 276 M2	5.7	6.0	5.8
IS-TF 284 M2	6.3	6.3	6.3	IS-TF 310 SEL	5.7	6.0	5.8
PPG-TF-115	6.7	5.7	6.2	LTP-FSD	6.0	5.7	5.8
PST-5DZP	6.7	5.7	6.2	PICK-W43	5.7	6.0	5.8
B23	6.3	6.0	6.2	PPG-TF-135	6.0	5.7	5.8
DB1	6.3	6.0	6.2	PSG-PO1	5.7	6.0	5.8
K12-13	6.3	6.0	6.2	PST-5GRB	6.0	5.7	5.8
PPG-TF-138	6.3	6.0	6.2	PST-5MVD	6.0	5.7	5.8
PPG-TF-142	6.3	6.0	6.2	RAD-TF-83	5.7	6.0	5.8
PPG-TF-150	6.3	6.0	6.2	RAD-TF-89	5.7	6.0	5.8
PPG-TF-152	6.3	6.0	6.2	W45	6.0	5.7	5.8
PPG-TF-169	6.3	6.0	6.2	DZ1	6.3	5.3	5.8
PPG-TF-172	6.3	6.0	6.2	FIREBIRD 2	6.3	5.3	5.8
ATF 1612	6.0	6.0	6.0	PPG-TF-137	6.3	5.3	5.8
ATF 1736	5.7	6.3	6.0	PPG-TF-145	6.3	5.3	5.8
FALCON V	6.0	6.0	6.0	PPG-TF-151	6.3	5.3	5.8
FESNOVA	6.3	5.7	6.0	SALTILLO (PST-5SALT)	6.3	5.3	5.8
HEMI	6.0	6.0	6.0	T31	6.3	5.3	5.8
IS-TF 289	6.7	5.3	6.0	W41	6.3	5.3	5.8
IS-TF 291	6.3	5.7	6.0	204 RES. BLK4	5.7	5.7	5.7
IS-TF 330	6.3	5.7	6.0	IS-TF 269 SEL	5.7	5.7	5.7
JS 818	6.3	5.7	6.0	K12-MCD	5.7	5.7	5.7
JS 916	6.0	6.0	6.0	PPG-TF-148	5.7	5.7	5.7
K12-05	6.0	6.0	6.0	PSG-GSD	5.7	5.7	5.7
MET 1	5.7	6.3	6.0	PSG-TT4	5.7	5.7	5.7
MET-3	6.0	6.0	6.0	SRX-TPC	5.7	5.7	5.7
PPG-TF-139	6.0	6.0	6.0	U43	5.7	5.7	5.7
PPG-TF-156	6.0	6.0	6.0	ANNIHILATOR LEDEBOER	6.3	5.0	5.7
PSG-WE1	6.3	5.7	6.0	FAITH	6.0	5.3	5.7
RAD-TF-88	6.0	6.0	6.0	FALCON IV	6.0	5.3	5.7
RAD-TF-92	6.0	6.0	6.0	GO-DFR	6.0	5.3	5.7
REGENERATE	6.0	6.0	6.0	INSPIRATION (PST-R5NW)	6.0	5.3	5.7
RHAMBLER 2 SRP (LSD)	6.3	5.7	6.0	IS-TF 282 M2	6.0	5.3	5.7
BULLSEYE	6.0	5.7	5.8	IS-TF 285	6.0	5.3	5.7
BURL TF-69	5.7	6.0	5.8	IS-TF 307 SEL	6.0	5.3	5.7
CATALYST	6.0	5.7	5.8	IS-TF 308 SEL	6.0	5.3	5.7
				IS-TF-287	5.3	6.0	5.7

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

NAME	IL1	NE1	MEAN
JS 809	6.0	5.3	5.7
LTP-TWUU	5.3	6.0	5.7
MARAUDER	6.0	5.3	5.7
PSG-8BP2	6.0	5.3	5.7
PST-5BRK	6.0	5.3	5.7
PST-5RO5	6.0	5.3	5.7
RAIN DANCE (PST-5SDT)	6.0	5.3	5.7
RZ2	6.3	5.0	5.7
TERRANO	5.3	6.0	5.7
U45	5.3	6.0	5.7
ZW 44	5.3	6.0	5.7
ATF 1754	5.7	5.3	5.5
BAR FA 121089	5.7	5.3	5.5
BAR FA 121091	6.0	5.0	5.5
BAR FA 121095	6.0	5.0	5.5
COMP. RES. SST	5.3	5.7	5.5
GTO (BURL TF-2)	5.7	5.3	5.5
IS-TF 272	5.7	5.3	5.5
IS-TF 305 SEL	5.7	5.3	5.5
IS-TF 311	6.0	5.0	5.5
PST-5BPO	5.3	5.7	5.5
PST-5EV2	6.0	5.0	5.5
WARHAWK	5.7	5.3	5.5
PST-5EX2	5.7	5.0	5.3
CAESAR (TY 10)	5.3	5.3	5.3
LTP-F5DPDR	5.3	5.3	5.3
JS 819	5.7	4.7	5.2
JS 825	5.7	4.7	5.2
MET 6 SEL	4.7	5.7	5.2
AQUADUCT	6.0	4.3	5.2
ATF 1704	5.3	5.0	5.2
BAR FA 120878	6.0	4.3	5.2
KY-31	3.0	4.0	3.5
LSD VALUE	1.1	1.0	0.8
C.V. (%)	11.6	11.6	11.6

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.

NAME	AR1	NAME	AR1
TERRANO	8.0	HEMI	6.7
IS-TF 269 SEL	7.7	IS-TF 276 M2	6.7
FIREBIRD 2	7.3	IS-TF 305 SEL	6.7
INSPIRATION (PST-R5NW)	7.3	IS-TF 308 SEL	6.7
JS 818	7.3	IS-TF 311	6.7
PPG-TF-138	7.3	PPG-TF-150	6.7
PPG-TF-139	7.3	PPG-TF-151	6.7
PPG-TF-142	7.3	PPG-TF-152	6.7
PST-5EX2	7.3	PPG-TF-157	6.7
RAD-TF-92	7.3	PPG-TF-170	6.7
RHAMBLER 2 SRP (LSD)	7.3	PPG-TF-172	6.7
ATF 1754	7.0	PSG-PO1	6.7
COMP. RES. SST	7.0	PST-5BPO	6.7
FESNOVA	7.0	PST-5EV2	6.7
FRONTLINE (EXP TF-09)	7.0	PST-5GRB	6.7
HOT ROD (BURL TF-136)	7.0	PST-5MVD	6.7
IS-TF 272	7.0	RAD-TF-89	6.7
IS-TF 282 M2	7.0	RAIN DANCE (PST-5SDT)	6.7
IS-TF 284 M2	7.0	REGENERATE	6.7
K12-05	7.0	RZ2	6.7
MET 1	7.0	SALTILLO (PST-5SALT)	6.7
PPG-TF-105	7.0	SRX-TPC	6.7
PPG-TF-115	7.0	TD1	6.7
PPG-TF-169	7.0	U45	6.7
PSG-8BP2	7.0	W45	6.7
PST-5DZP	7.0	204 RES. BLK4	6.3
RAD-TF-83	7.0	ANNIHILATOR LEDEBOER	6.3
RAD-TF-88	7.0	ATF 1704	6.3
W41	7.0	ATF 1736	6.3
WARHAWK	7.0	BAR FA 120878	6.3
AQUADUCT	6.7	BIZEM	6.3
ATF 1612	6.7	BULLSEYE	6.3
B23	6.7	BURL TF-69	6.3
BAR FA 121089	6.7	CATALYST	6.3
BAR FA 121091	6.7	CCR2	6.3
BAR FA 121095	6.7	FAITH	6.3
CAESAR (TY 10)	6.7	GRANDE 3	6.3
DB1	6.7	GTO (BURL TF-2)	6.3
F711	6.7	IS-TF 285	6.3
FALCON V	6.7	IS-TF 330	6.3
GO-DFR	6.7	IS-TF-287	6.3
		JS 819	6.3

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        TABLE 29.      FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS  1/
        (CONT'D)                           2013 DATA

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


                         NAME                        AR1

                         JS 825                      6.3
                         JS 916                      6.3
                         K12-13                      6.3
                         LTP-TWUU                    6.3
                         MARAUDER                    6.3
                         MET 6 SEL                   6.3
                         MET-3                       6.3
                         PPG-TF-135                  6.3
                         PPG-TF-137                  6.3
                         PPG-TF-145                  6.3
                         PPG-TF-148                  6.3
                         PPG-TF-156                  6.3
                         PSG-GSD                     6.3
                         PSG-TT4                     6.3
                         PST-5BRK                    6.3
                         PST-5RO5                    6.3
                         T31                         6.3
                         TEMPTATION (OR-21)          6.3
                         U43                         6.3
                         ZW 44                       6.3
                         IS-TF 289                   6.0
                         IS-TF 291                   6.0
                         IS-TF 307 SEL               6.0
                         IS-TF 310 SEL               6.0
                         LTP-F5DPDR                  6.0
                         LTP-FSD                     6.0
                         PICK-W43                    6.0
                         PSG-WE1                     6.0
                         DZ1                         5.7
                         JS 809                      5.7
                         K12-MCD                     5.7
                         FALCON IV                   5.3
                         KY-31                       4.7


                         LSD VALUE                   1.3
                         C.V. (%)                   12.1
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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 30. FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

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

NAME	GA1	MS1	MEAN	NAME	GA1	MS1	MEAN
RAD-TF-88	7.0	6.7	6.8	PPG-TF-169	5.5	7.0	6.3
MET-3	6.5	7.0	6.8	RZ2	5.5	7.0	6.3
JS 818	.	6.7	6.7	W45	5.5	7.0	6.3
T31	6.3	7.0	6.7	ATF 1612	5.7	6.7	6.2
REGENERATE	6.5	6.7	6.6	ATF 1704	5.7	6.7	6.2
B23	6.0	7.0	6.5	DB1	5.7	6.7	6.2
BIZEM	6.0	7.0	6.5	IS-TF 276 M2	5.7	6.7	6.2
CAESAR (TY 10)	6.0	7.0	6.5	IS-TF 282 M2	5.7	6.7	6.2
CATALYST	6.0	7.0	6.5	IS-TF 289	5.7	6.7	6.2
CCR2	6.0	7.0	6.5	JS 916	5.7	6.7	6.2
COMP. RES. SST	7.0	6.0	6.5	LTP-F5DPDR	5.7	6.7	6.2
FAITH	6.0	7.0	6.5	PPG-TF-151	5.7	6.7	6.2
GTO (BURL TF-2)	6.3	6.7	6.5	PPG-TF-156	5.7	6.7	6.2
PPG-TF-137	6.0	7.0	6.5	FALCON V	6.0	6.3	6.2
PPG-TF-152	6.0	7.0	6.5	GO-DFR	6.0	6.3	6.2
RAD-TF-89	6.0	7.0	6.5	INSPIRATION (PST-R5NW)	6.0	6.3	6.2
ZW 44	6.0	7.0	6.5	IS-TF 269 SEL	6.0	6.3	6.2
ANNIHILATOR LEDEBOER	6.5	6.3	6.4	IS-TF 291	5.3	7.0	6.2
ATF 1736	5.7	7.0	6.3	LTP-FSD	5.3	7.0	6.2
BULLSEYE	6.0	6.7	6.3	MARAUDER	6.0	6.3	6.2
BURL TF-69	6.0	6.7	6.3	PPG-TF-142	6.0	6.3	6.2
DZ1	6.0	6.7	6.3	PST-5MVD	6.0	6.3	6.2
FRONTLINE (EXP TF-09)	6.0	6.7	6.3	RAD-TF-83	6.0	6.3	6.2
GRANDE 3	6.0	6.7	6.3	TD1	6.0	6.3	6.2
IS-TF 310 SEL	6.0	6.7	6.3	W41	6.0	6.3	6.2
PICK-W43	6.0	6.7	6.3	FESNOVA	5.5	6.7	6.1
PPG-TF-135	6.0	6.7	6.3	HOT ROD (BURL TF-136)	5.5	6.7	6.1
PPG-TF-150	6.0	6.7	6.3	LTP-TWUU	5.5	6.7	6.1
PPG-TF-172	6.0	6.7	6.3	PPG-TF-105	5.5	6.7	6.1
PSG-GSD	6.0	6.7	6.3	PPG-TF-139	5.5	6.7	6.1
PSG-PO1	6.0	6.7	6.3	PST-5RO5	5.5	6.7	6.1
PST-5DZP	6.0	6.7	6.3	AQUADUCT	6.0	6.0	6.0
PST-5EX2	5.7	7.0	6.3	F711	5.0	7.0	6.0
RHAMBLER 2 SRP (LSD)	6.0	6.7	6.3	FALCON IV	6.0	6.0	6.0
TERRANO	6.0	6.7	6.3	FIREBIRD 2	5.0	7.0	6.0
U43	6.0	6.7	6.3	IS-TF 305 SEL	5.7	6.3	6.0
U45	6.0	6.7	6.3	IS-TF 307 SEL	5.0	7.0	6.0
204 RES. BLK4	.	6.3	6.3	IS-TF 308 SEL	5.3	6.7	6.0
IS-TF 272	5.5	7.0	6.3	IS-TF 330	5.7	6.3	6.0
MET 1	5.5	7.0	6.3	K12-05	5.3	6.7	6.0
PPG-TF-148	5.5	7.0	6.3	K12-MCD	6.0	6.0	6.0
				PPG-TF-115	5.7	6.3	6.0

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

NAME	GA1	MS1	MEAN
PPG-TF-145	.	6.0	6.0
PPG-TF-157	5.7	6.3	6.0
PPG-TF-170	5.3	6.7	6.0
PSG-TT4	5.3	6.7	6.0
PSG-WE1	5.0	7.0	6.0
PST-5BPO	5.7	6.3	6.0
PST-5EV2	5.3	6.7	6.0
RAD-TF-92	6.0	6.0	6.0
RAIN DANCE (PST-5SDT)	5.7	6.3	6.0
SALTILLO (PST-5SALT)	5.3	6.7	6.0
SRX-TPC	5.0	7.0	6.0
TEMPTATION (OR-21)	5.0	7.0	6.0
JS 819	5.5	6.3	5.9
PPG-TF-138	5.5	6.3	5.9
ATF 1754	5.7	6.0	5.8
IS-TF 285	5.0	6.7	5.8
IS-TF 311	5.7	6.0	5.8
K12-13	6.0	5.7	5.8
MET 6 SEL	5.0	6.7	5.8
WARHAWK	5.7	6.0	5.8
HEMI	5.3	6.3	5.8
IS-TF 284 M2	5.3	6.3	5.8
JS 825	5.5	6.0	5.8
BAR FA 120878	5.3	6.0	5.7
BAR FA 121095	5.3	6.0	5.7
PST-5BRK	5.0	6.3	5.7
BAR FA 121089	5.0	6.0	5.5
BAR FA 121091	5.0	6.0	5.5
IS-TF-287	5.0	6.0	5.5
JS 809	5.0	6.0	5.5
PSG-8BP2	4.7	6.3	5.5
PST-5GRB	4.0	6.3	5.2
KY-31	4.0	5.3	4.7
LSD VALUE	1.3	0.7	0.7
C.V. (%)	11.2	6.9	8.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).

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

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TABLE 31.      PERCENT ESTABLISHMENT RATINGS OF TALL FESCUE CULTIVARS  1/
                            2013 DATA  2/


NAME                     CT1    IL1    MO1    MS1    NE1    OK1    UT1    MEAN

LTP-FSD                  68.3   68.3   83.3   90.0   43.3   81.7   60.0   70.7
W45                      61.7   80.0   81.7   93.3   50.0   81.7   46.7   70.7
KY-31                    73.3   80.0   75.0   94.3   40.0   65.0   63.3   70.1
LTP-F5DPDR               61.7   63.3   73.3   86.7   46.7   88.3   66.7   69.5
PICK-W43                 61.7   75.0   78.3   90.0   43.3   80.0   53.3   68.8
PST-5BRK                 68.3   71.7   76.7   88.3   36.7   81.7   56.7   68.6
CATALYST                 63.3   80.0   75.0   86.7   33.3   80.0   60.0   68.3
U43                      65.0   73.3   75.0   91.7   46.7   78.3   46.7   68.1
FAITH                    58.3   83.3   81.7   90.0   33.3   81.7   46.7   67.9
PPG-TF-170               68.3   70.0   81.7   91.7   26.7   76.7   60.0   67.9
PST-5RO5                 56.7   70.0   81.7   86.7   36.7   80.0   63.3   67.9
PST-5EX2                 65.0   83.3   75.0   88.3   33.3   66.7   63.3   67.9
RAD-TF-92                58.3   81.7   75.0   88.3   30.0   83.3   56.7   67.6
RAIN DANCE (PST-5SDT)    63.3   78.3   78.3   91.7   36.7   68.3   56.7   67.6
B23                      66.7   70.0   83.3   91.7   30.0   83.3   46.7   67.4
F711                     68.3   76.7   76.7   91.7   33.3   65.0   60.0   67.4
SRX-TPC                  60.0   60.0   73.3   90.0   50.0   78.3   60.0   67.4
FALCON IV                65.0   83.3   78.3   86.7   26.7   76.7   53.3   67.1
ZW 44                    61.7   71.7   75.0   88.3   40.0   70.0   63.3   67.1
PPG-TF-105               61.7   76.7   73.3   90.0   30.0   83.3   53.3   66.9
PST-5MVD                 60.0   80.0   76.7   90.0   33.3   75.0   53.3   66.9
WARHAWK                  61.7   71.7   72.5   86.7   36.7   78.7   60.0   66.8
RAD-TF-89                63.3   75.0   81.7   90.0   30.0   86.7   40.0   66.7
IS-TF-287                63.3   80.0   76.7   90.0   40.0   63.3   53.3   66.7
HOT ROD (BURL TF-136)    62.7   66.7   78.3   88.3   30.0   80.0   60.0   66.6
PST-5BPO                 55.0   81.7   80.0   86.7   36.7   75.0   50.0   66.4
K12-MCD                  61.7   68.3   76.7   88.3   33.3   83.3   53.3   66.4
BAR FA 120878            58.3   86.7   76.7   90.0   30.0   58.3   63.3   66.2
GRANDE 3                 63.3   60.0   80.0   88.3   36.7   81.7   53.3   66.2
MET 1                    66.7   75.0   78.3   91.7   30.0   58.3   63.3   66.2
PSG-TT4                  58.3   81.7   75.0   88.3   26.7   70.0   63.3   66.2
ANNIHILATOR LEDEBOER     63.3   81.7   70.0   90.0   43.3   56.7   56.7   66.0
FESNOVA                  58.3   73.3   76.7   88.3   36.7   73.3   53.3   65.7
IS-TF 305 SEL            63.3   63.3   75.0   88.3   36.7   80.0   53.3   65.7
PPG-TF-156               60.0   78.3   80.0   88.3   26.7   76.7   50.0   65.7
PST-5EV2                 55.0   70.0   78.3   90.0   26.7   86.7   53.3   65.7
ATF 1612                 64.3   75.0   78.3   90.0   30.0   68.3   53.3   65.6
IS-TF 285                56.7   71.7   76.7   90.0   33.3   76.7   53.3   65.5
GTO (BURL TF-2)          55.0   70.0   70.0   91.7   30.0   83.3   56.7   65.2
IS-TF 310 SEL            65.0   60.0   73.3   88.3   36.7   76.7   56.7   65.2
PPG-TF-135               60.0   76.7   75.0   86.7   30.0   75.0   53.3   65.2
BULLSEYE                 61.7   80.0   76.7   88.3   26.7   73.3   50.0   65.2
RAD-TF-88                63.3   75.0   71.7   88.3   30.0   78.3   50.0   65.2
RZ2                      60.0   73.3   75.0   88.3   26.7   83.3   50.0   65.2
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TABLE 31.      PERCENT ESTABLISHMENT RATINGS OF TALL FESCUE CULTIVARS  1/
(CONT'D)                            2013 DATA  2/


NAME                       CT1     IL1     MO1     MS1     NE1     OK1     UT1     MEAN

PPG-TF-152                 65.0    70.0    76.7    90.0    26.7    76.7    50.0    65.0
PPG-TF-139                 53.3    71.7    78.3    88.3    20.0    86.7    56.7    65.0
IS-TF 291                  55.0    66.7    75.0    91.7    40.0    81.7    43.3    64.8
PSG-WE1                    58.3    66.7    71.7    86.7    40.0    76.7    53.3    64.8
PPG-TF-157                 60.0    75.0    70.0    90.0    30.0    78.3    50.0    64.8
DB1                        56.7    73.3    76.7    90.0    33.3    71.7    50.0    64.5
IS-TF 282 M2               55.0    70.0    73.3    85.0    36.7    85.0    46.7    64.5
JS 819                     61.7    68.3    71.7    88.3    30.0    81.7    50.0    64.5
PPG-TF-115                 58.3    68.3    78.3    85.0    33.3    81.7    46.7    64.5
REGENERATE                 61.7    71.7    75.0    90.0    33.3    60.0    60.0    64.5
SALTILLO (PST-5SALT)       63.3    80.0    73.3    90.0    36.7    61.7    46.7    64.5
PPG-TF-169                 71.7    63.3    83.3    90.0    23.3    66.7    53.3    64.5
PPG-TF-137                 60.0    63.3    75.0    86.7    23.3    81.7    60.0    64.3
PPG-TF-138                 56.7    70.0    76.7    90.0    20.0    76.7    60.0    64.3
PST-5GRB                   70.0    68.3    76.7    90.0    33.3    65.0    46.7    64.3
JS 818                     60.0    66.7    71.7    86.7    33.3    78.3    53.3    64.3
204 RES. BLK4              58.3    60.0    75.0    85.0    40.0    80.0    50.0    64.0
HEMI                       60.0    63.3    75.0    88.3    26.7    81.7    53.3    64.0
INSPIRATION (PST-R5NW)     56.7    68.3    66.7    90.0    26.7    80.0    60.0    64.0
PPG-TF-150                 65.0    65.0    76.7    88.3    23.3    73.3    56.7    64.0
COMP. RES. SST             56.7    73.3    75.0    81.7    30.0    73.3    56.7    63.8
K12-05                     60.0    70.0    80.0    88.3    30.0    75.0    43.3    63.8
BIZEM                      56.7    78.3    73.3    86.7    26.7    76.7    46.7    63.6
MET 6 SEL                  55.0    60.0    78.3    86.7    40.0    78.3    46.7    63.6
RHAMBLER 2 SRP (LSD)       60.0    81.7    78.3    90.0    26.7    58.3    50.0    63.6
TEMPTATION (OR-21)         55.0    73.3    71.7    88.3    30.0    76.7    50.0    63.6
IS-TF 307 SEL              53.3    65.0    76.7    88.3    26.7    80.0    53.3    63.3
RAD-TF-83                  55.0    73.3    81.7    85.0    26.7    78.3    43.3    63.3
MARAUDER                   53.3    70.0    73.3    88.3    36.7    63.3    56.7    63.1
TD1                        56.7    70.0    76.7    90.0    36.7    61.7    50.0    63.1
ATF 1736                   56.7    75.0    78.3    88.3    23.3    61.7    56.7    62.9
FRONTLINE (EXP TF-09)      56.7    71.7    73.3    88.3    30.0    80.0    40.0    62.9
IS-TF 330                  56.7    56.7    78.3    90.0    33.3    81.7    43.3    62.9
PPG-TF-151                 60.0    66.7    76.7    90.0    26.7    78.3    40.0    62.6
AQUADUCT                   58.3    70.0    78.3    88.3    30.0    63.3    50.0    62.6
FIREBIRD 2                 53.3    63.3    75.0    90.0    23.3    83.3    50.0    62.6
IS-TF 311                  56.7    55.0    71.7    81.7    43.3    86.7    43.3    62.6
LTP-TWUU                   55.0    53.3    81.7    85.0    36.7    73.3    53.3    62.6
IS-TF 289                  61.7    66.7    76.7    91.7    40.0    50.0    50.0    62.4
W41                        63.3    73.3    70.0    90.0    23.3    73.3    43.3    62.4
DZ1                        51.7    66.7    75.0    88.3    30.0    73.3    50.0    62.1
JS 809                     56.7    66.7    78.3    90.0    30.0    65.0    46.7    61.9
BAR FA 121089              53.3    70.0    78.3    90.0    33.3    65.0    43.3    61.9
BURL TF-69                 53.3    73.3    73.3    88.3    30.0    75.0    40.0    61.9
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TABLE 31.      PERCENT ESTABLISHMENT RATINGS OF TALL FESCUE CULTIVARS  1/
(CONT'D)                           2013 DATA  2/

NAME                CT1    IL1    MO1    MS1    NE1    OK1    UT1    MEAN

PSG-GSD             58.3   63.3   73.3   90.0   33.3   71.7   43.3   61.9
TERRANO             53.3   71.7   75.0   88.3   26.7   78.3   40.0   61.9
PPG-TF-148          58.3   63.3   70.0   88.3   26.7   75.0   50.0   61.7
IS-TF 308 SEL       50.0   83.3   75.0   83.3   30.0   70.0   40.0   61.7
PSG-PO1             58.3   56.7   76.7   88.3   33.3   75.0   43.3   61.7
GO-DFR              56.7   73.3   76.7   90.0   23.3   63.3   46.7   61.4
IS-TF 276 M2        55.0   76.7   73.3   88.3   40.0   46.7   50.0   61.4
PPG-TF-172          56.7   60.0   78.3   90.0   33.3   65.0   46.7   61.4
T31                 56.7   70.0   78.3   88.3   30.0   70.0   36.7   61.4
MET-3               56.7   63.3   76.7   86.7   23.3   75.0   46.7   61.2
IS-TF 272           51.7   68.3   73.3   85.0   30.0   76.7   43.3   61.2
CCR2                56.7   66.7   76.7   86.7   26.7   63.3   50.0   61.0
PSG-8BP2            56.7   63.3   76.7   88.3   30.0   66.7   43.3   60.7
CAESAR (TY 10)      53.3   56.7   75.0   88.3   33.3   75.0   43.3   60.7
ATF 1704            56.7   80.0   71.7   86.7   33.3   48.3   46.7   60.5
BAR FA 121091       51.7   75.0   73.3   88.3   30.0   58.3   46.7   60.5
BAR FA 121095       51.7   60.0   68.3   88.3   30.0   71.7   53.3   60.5
U45                 53.3   63.3   71.7   86.7   33.3   68.3   46.7   60.5
IS-TF 269 SEL       58.3   73.3   75.0   85.0   36.7   50.0   43.3   60.2
FALCON V            53.3   75.0   75.0   86.7   23.3   60.0   46.7   60.0
PPG-TF-142          53.3   60.0   71.7   88.3   30.0   65.0   50.0   59.8
JS 825              56.7   60.0   70.0   86.7   30.0   66.7   46.7   59.5
K12-13              50.0   65.0   75.0   85.0   30.0   71.7   40.0   59.5
IS-TF 284 M2        51.7   60.0   70.0   86.7   36.7   66.7   40.0   58.8
PPG-TF-145          43.3   71.7   70.0   86.7   16.7   73.3   50.0   58.8
ATF 1754            53.3   63.3   75.0   88.3   26.7   60.0   43.3   58.6
PST-5DZP            53.3   61.7   71.7   86.7   30.0   46.7   50.0   57.1
JS 916              53.3   53.3   75.0   83.3   23.3   66.7   40.0   56.4

LSD VALUE            9.2   16.5    9.2    4.4   11.9   26.4   14.0    5.5
C.V. (%)             9.7   14.6    7.5    3.1   23.1   22.6   17.1   14.2
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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

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TABLE 32.              RELATIVE GROWTH RATE OF TALL FESCUE CULTIVARS  1/
                                    2013 DATA


                       RELATIVE GROWTH RATE 1-4; 4=FAST GROWING  2/


      NAME                    IN1                    NAME                    IN1


      AQUADUCT                4.0                    ATF 1736                2.7
      KY-31                   4.0                    B23                     2.7
      PSG-TT4                 4.0                    BIZEM                   2.7
      IS-TF 285               3.7                    CATALYST                2.7
      T31                     3.7                    DZ1                     2.7
      TD1                     3.7                    FAITH                   2.7
      ATF 1704                3.3                    FIREBIRD 2              2.7
      BAR FA 120878           3.3                    FRONTLINE (EXP TF-O9)   2.7
      CAESAR (TY 10)          3.3                    GO-DFR                  2.7
      F711                    3.3                    GRANDE 3                2.7
      JS 825                  3.3                    HEMI                    2.7
      LTP-FSD                 3.3                    IS-TF 269 SEL           2.7
      PPG-TF-115              3.3                    IS-TF 282 M2            2.7
      PPG-TF-148              3.3                    IS-TF 310 SEL           2.7
      PSG-8BP2                3.3                    JS 809                  2.7
      PSG-GSD                 3.3                    JS 818                  2.7
      PST-5RO5                3.3                    JS 819                  2.7
      RAIN DANCE (PST-5SDT)   3.3                    JS 916                  2.7
      RZ2                     3.3                    LTP-TWUU                2.7
      SALTILLO (PST-5SALT)    3.3                    MET 6 SEL               2.7
      SRX-TPC                 3.3                    MET-3                   2.7
      TEMPTATION (OR-21)      3.3                    PPG-TF-105              2.7
      ANNIHILATOR LEDEBOER    3.0                    PPG-TF-135              2.7
      ATF 1612                3.0                    PPG-TF-137              2.7
      BULLSEYE                3.0                    PPG-TF-138              2.7
      COMP. RES. SST          3.0                    PPG-TF-150              2.7
      FALCON IV               3.0                    PPG-TF-170              2.7
      GTO (BURL TF-2)         3.0                    PSG-PO1                 2.7
      INSPIRATION (PST-R5NW)  3.0                    PSG-WE1                 2.7
      IS-TF 276 M2            3.0                    PST-5BPO                2.7
      IS-TF 291               3.0                    WARHAWK                 2.7
      IS-TF 311               3.0                    ATF 1754                2.3
      K12-MCD                 3.0                    BURL TF-69              2.3
      MET 1                   3.0                    CCR2                    2.3
      PPG-TF-156              3.0                    DB1                     2.3
      PST-5DZP                3.0                    FESNOVA                 2.3
      PST-5EV2                3.0                    HOT ROD (BURL TF-136)   2.3
      PST-5EX2                3.0                    IS-TF 272               2.3
      PST-5MVD                3.0                    IS-TF 289               2.3
      U43                     3.0                    IS-TF 305 SEL           2.3
      U45                     3.0                    IS-TF 308 SEL           2.3
                                                     IS-TF 330               2.3
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RELATIVE GROWTH RATE 1-4; 4=FAST GROWING 2/

NAME	IN1
IS-TF-287	2.3
LTP-F5DPDR	2.3
MARAUDER	2.3
PPG-TF-152	2.3
PPG-TF-157	2.3
PPG-TF-169	2.3
PST-5BRK	2.3
PST-5GRB	2.3
RAD-TF-88	2.3
REGENERATE	2.3
W41	2.3
W45	2.3
204 RES. BLK4	2.0
BAR FA 121091	2.0
BAR FA 121095	2.0
FALCON V	2.0
IS-TF 284 M2	2.0
IS-TF 307 SEL	2.0
PICK-W43	2.0
PPG-TF-151	2.0
PPG-TF-172	2.0
RAD-TF-89	2.0
RHAMBLER 2 SRP (LSD)	2.0
ZW 44	2.0
BAR FA 121089	1.7
PPG-TF-142	1.7
PPG-TF-145	1.7
RAD-TF-83	1.7
RAD-TF-92	1.7
TERRANO	1.7
PPG-TF-139	1.3
K12-05	1.0
K12-13	1.0
LSD VALUE	1.4
C.V. (%)	33.0

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 O.05).

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

TABLE 33.   NET BLOTCH RATINGS OF TALL FESCUE CULTIVARS 1/
2013 DATA

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2	NAME	NJ2
TD1	7.3	PSG-WE1	5.7
IS-TF 289	7.0	RAD-TF-88	5.7
RHAMBLER 2 SRP (LSD)	7.0	SALTILLO (PST-5SALT)	5.7
IS-TF 269 SEL	6.7	TEMPTATION (OR-21)	5.7
IS-TF 285	6.7	TERRANO	5.7
IS-TF 330	6.7	ZW 44	5.7
JS 818	6.7	B23	5.3
PPG-TF-115	6.7	CCR2	5.3
PPG-TF-157	6.7	COMP. RES. SST	5.3
DB1	6.3	IS-TF 272	5.3
FIREBIRD 2	6.3	IS-TF 276 M2	5.3
IS-TF 284 M2	6.3	IS-TF 308 SEL	5.3
IS-TF 291	6.3	IS-TF 311	5.3
PPG-TF-105	6.3	LTP-FSD	5.3
PPG-TF-145	6.3	LTP-TWUU	5.3
PPG-TF-150	6.3	MARAUDER	5.3
PPG-TF-152	6.3	PICK-W43	5.3
SRX-TPC	6.3	PPG-TF-170	5.3
BULLSEYE	6.0	PPG-TF-172	5.3
DZ1	6.0	PSG-8BP2	5.3
FRONTLINE (EXP TF-09)	6.0	RAD-TF-83	5.3
IS-TF 282 M2	6.0	RAD-TF-89	5.3
IS-TF 307 SEL	6.0	RAD-TF-92	5.3
IS-TF 310 SEL	6.0	REGENERATE	5.3
JS 809	6.0	RZ2	5.3
JS 819	6.0	U45	5.3
K12-05	6.0	BAR FA 121089	5.0
K12-MCD	6.0	BURL TF-69	5.0
PPG-TF-139	6.0	F711	5.0
PST-5DZP	6.0	FALCON IV	5.0
W45	6.0	HEMI	5.0
BAR FA 121095	5.7	INSPIRATION (PST-R5NW)	5.0
FESNOVA	5.7	JS 916	5.0
GO-DFR	5.7	MET-3	5.0
HOT ROD (BURL TF-136)	5.7	PPG-TF-151	5.0
IS-TF 305 SEL	5.7	PST-5BRK	5.0
IS-TF-287	5.7	W41	5.0
JS 825	5.7	CAESAR (TY 10)	4.7
K12-13	5.7	GTO (BURL TF-2)	4.7
PPG-TF-138	5.7	PPG-TF-156	4.7
PPG-TF-142	5.7	PSG-GSD	4.7
		PST-5GRB	4.7

NET BLOTCH RATINGS 1-9; 9=LEAST DISEASE 2/

NAME	NJ2
U43	4.7
ANNIHILATOR LEDEBOER	4.3
BIZEM	4.3
FAITH	4.3
LTP-F5DPDR	4.3
MET 6 SEL	4.3
PPG-TF-135	4.3
PPG-TF-137	4.3
PPG-TF-148	4.3
PSG-PO1	4.3
PST-5EV2	4.3
PST-5RO5	4.3
WARHAWK	4.3
204 RES. BLK4	4.0
ATF 1612	4.0
BAR FA 121091	4.0
MET 1	4.0
PST-5MVD	4.0
T31	4.0
ATF 1736	3.7
ATF 1754	3.7
PSG-TT4	3.7
PST-5BPO	3.7
ATF 1704	3.3
FALCON V	3.3
PPG-TF-169	3.3
PST-5EX2	3.3
AQUADUCT	3.0
BAR FA 120878	3.0
GRANDE 3	3.0
CATALYST	2.7
RAIN DANCE (PST-5SDT)	2.7
KY-31	1.0
LSD VALUE	1.3
C.V. (%)	15.3

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 O.05).

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

TABLE 34.   BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
                                        AT WEST LAFAYETTE, IN 1/
                                              2013 DATA

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

NAME	JUL	AUG	MEAN	NAME	JUL	AUG	MEAN
ATF 1754	9.0	9.0	9.0	BURL TF-69	9.0	8.3	8.7
BIZEM	9.0	9.0	9.0	CATALYST	8.3	9.0	8.7
GRANDE 3	9.0	9.0	9.0	FALCON V	8.7	8.7	8.7
HEMI	9.0	9.0	9.0	IS-TF 269 SEL	8.7	8.7	8.7
IS-TF 305 SEL	9.0	9.0	9.0	IS-TF 307 SEL	9.0	8.3	8.7
KY-31	9.0	9.0	9.0	IS-TF 310 SEL	9.0	8.3	8.7
LTP-F5DPDR	9.0	9.0	9.0	PPG-TF-135	9.0	8.3	8.7
LTP-FSD	9.0	9.0	9.0	PPG-TF-138	9.0	8.3	8.7
MET-3	9.0	9.0	9.0	PPG-TF-142	9.0	8.3	8.7
PPG-TF-139	9.0	9.0	9.0	PPG-TF-151	9.0	8.3	8.7
PPG-TF-148	9.0	9.0	9.0	PPG-TF-170	8.7	8.7	8.7
PPG-TF-152	9.0	9.0	9.0	PSG-GSD	9.0	8.3	8.7
PPG-TF-156	9.0	9.0	9.0	PSG-TT4	8.7	8.7	8.7
PSG-WE1	9.0	9.0	9.0	PST-5MVD	9.0	8.3	8.7
RAD-TF-89	9.0	9.0	9.0	SRX-TPC	9.0	8.3	8.7
RHAMBLER 2 SRP (LSD)	9.0	9.0	9.0	T31	9.0	8.3	8.7
RZ2	9.0	9.0	9.0	TERRANO	9.0	8.3	8.7
ATF 1736	9.0	8.7	8.8	W41	9.0	8.3	8.7
F711	9.0	8.7	8.8	ATF 1612	9.0	8.0	8.5
INSPIRATION (PST-R5NW)	9.0	8.7	8.8	BULLSEYE	8.7	8.3	8.5
IS-TF 285	9.0	8.7	8.8	CCR2	9.0	8.0	8.5
IS-TF 291	9.0	8.7	8.8	DZ1	8.7	8.3	8.5
IS-TF 330	9.0	8.7	8.8	FAITH	9.0	8.0	8.5
IS-TF-287	9.0	8.7	8.8	FALCON IV	9.0	8.0	8.5
JS 916	9.0	8.7	8.8	HOT ROD (BURL TF-136)	9.0	8.0	8.5
PICK-W43	8.7	9.0	8.8	IS-TF 276 M2	9.0	8.0	8.5
PPG-TF-105	9.0	8.7	8.8	LTP-TWUU	9.0	8.0	8.5
PPG-TF-115	9.0	8.7	8.8	MET 1	8.7	8.3	8.5
PPG-TF-137	8.7	9.0	8.8	MET 6 SEL	8.7	8.3	8.5
PPG-TF-145	8.7	9.0	8.8	PST-5EV2	9.0	8.0	8.5
PPG-TF-150	9.0	8.7	8.8	PST-5GRB	9.0	8.0	8.5
PPG-TF-157	9.0	8.7	8.8	REGENERATE	8.7	8.3	8.5
PPG-TF-169	9.0	8.7	8.8	SALTILLO (PST-5SALT)	9.0	8.0	8.5
PPG-TF-172	8.7	9.0	8.8	ZW 44	9.0	8.0	8.5
PSG-8BP2	9.0	8.7	8.8	BAR FA 120878	9.0	7.7	8.3
PSG-PO1	9.0	8.7	8.8	BAR FA 121095	9.0	7.7	8.3
PST-5BPO	9.0	8.7	8.8	IS-TF 272	9.0	7.7	8.3
PST-5BRK	9.0	8.7	8.8	K12-05	8.7	8.0	8.3
PST-5EX2	9.0	8.7	8.8	PST-5DZP	9.0	7.7	8.3
PST-5RO5	9.0	8.7	8.8	RAD-TF-83	9.0	7.7	8.3
RAD-TF-88	9.0	8.7	8.8	W45	8.7	8.0	8.3
RAD-TF-92	9.0	8.7	8.8	FIREBIRD 2	9.0	7.3	8.2
U43	9.0	8.7	8.8	GO-DFR	9.0	7.3	8.2
U45	9.0	8.7	8.8	GTO (BURL TF-2)	8.7	7.7	8.2
B23	9.0	8.3	8.7	IS-TF 289	9.0	7.3	8.2

TABLE 34.   BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
(CONT'D)   AT WEST LAFAYETTE, IN 1/
                                2013 DATA

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

NAME	JUL	AUG	MEAN
IS-TF 308 SEL	9.0	7.3	8.2
JS 818	9.0	7.3	8.2
K12-MCD	9.0	7.3	8.2
RAIN DANCE (PST-5SDT)	8.3	8.0	8.2
WARHAWK	9.0	7.3	8.2
ATF 1704	8.7	7.3	8.0
BAR FA 121089	8.3	7.7	8.0
FESNOVA	9.0	7.0	8.0
IS-TF 311	8.7	7.3	8.0
IS-TF 282 M2	9.0	6.7	7.8
AQUADUCT	9.0	6.3	7.7
IS-TF 284 M2	9.0	6.3	7.7
TD1	8.3	7.0	7.7
CAESAR (TY 10)	7.7	7.3	7.5
JS 825	8.0	7.0	7.5
DB1	8.7	6.0	7.3
FRONTLINE (EXP TF-09)	7.3	7.3	7.3
JS 809	8.7	6.0	7.3
JS 819	8.0	6.7	7.3
ANNIHILATOR LEDEBOER	8.3	6.0	7.2
COMP. RES. SST	8.7	5.7	7.2
MARAUDER	8.0	6.3	7.2
BAR FA 121091	7.7	6.0	6.8
K12-13	7.7	5.3	6.5
204 RES. BLK4	7.0	5.7	6.3
TEMPTATION (OR-21)	6.7	6.0	6.3
LSD VALUE	1.5	2.1	1.4
C.V. (%)	6.8	13.2	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 35.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
AT NORTH BRUNSWICK, NJ 1/
2013 DATA

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

NAME	JUL_3	JUL_25	MEAN	NAME	JUL_3	JUL_25	MEAN
MET 6 SEL	8.3	7.0	7.7	U43	7.7	4.3	6.0
PPG-TF-150	8.0	7.3	7.7	ZW 44	7.7	4.3	6.0
PPG-TF-172	8.7	6.7	7.7	IS-TF 284 M2	7.3	4.3	5.8
PSG-WE1	8.3	7.0	7.7	IS-TF 305 SEL	7.7	4.0	5.8
BULLSEYE	8.7	6.3	7.5	PPG-TF-151	7.0	4.7	5.8
ATF 1612	8.0	6.7	7.3	TERRANO	8.0	3.7	5.8
BIZEM	8.7	6.0	7.3	ATF 1704	7.3	4.0	5.7
CCR2	8.3	6.3	7.3	GRANDE 3	7.3	4.0	5.7
IS-TF 307 SEL	8.7	6.0	7.3	JS 916	7.7	3.7	5.7
PPG-TF-105	7.7	7.0	7.3	LTP-FSD	7.3	4.0	5.7
PSG-GSD	8.0	6.7	7.3	PPG-TF-135	7.0	4.3	5.7
RHAMBLER 2 SRP (LSD)	8.0	6.7	7.3	PPG-TF-170	8.0	3.3	5.7
RZ2	8.3	6.3	7.3	ATF 1736	7.7	3.3	5.5
FALCON V	8.3	6.0	7.2	FALCON IV	8.0	3.0	5.5
IS-TF 289	8.7	5.7	7.2	KY-31	6.0	5.0	5.5
MET-3	8.0	6.3	7.2	PPG-TF-169	7.0	4.0	5.5
REGENERATE	8.3	6.0	7.2	PST-5DZP	7.7	3.3	5.5
IS-TF 311	8.0	6.0	7.0	RAIN DANCE (PST-5SDT)	7.3	3.7	5.5
LTP-TWUU	8.3	5.7	7.0	ATF 1754	7.0	3.7	5.3
MET 1	8.0	6.0	7.0	CAESAR (TY 10)	6.7	4.0	5.3
PST-5EV2	8.7	5.3	7.0	IS-TF 282 M2	7.0	3.7	5.3
SRX-TPC	8.3	5.7	7.0	PPG-TF-148	7.3	3.3	5.3
HEMI	8.0	5.7	6.8	PST-5MVD	6.7	4.0	5.3
F711	8.0	5.3	6.7	RAD-TF-92	7.7	3.0	5.3
LTP-F5DPDR	7.7	5.7	6.7	BURL TF-69	7.3	3.0	5.2
PPG-TF-142	7.3	6.0	6.7	CATALYST	6.7	3.7	5.2
PPG-TF-156	8.3	5.0	6.7	PSG-TT4	6.7	3.7	5.2
U45	8.3	5.0	6.7	DZ1	7.0	3.0	5.0
FIREBIRD 2	8.3	4.7	6.5	GO-DFR	6.7	3.3	5.0
GTO (BURL TF-2)	8.0	5.0	6.5	IS-TF 285	7.3	2.7	5.0
RAD-TF-89	7.7	5.3	6.5	IS-TF 308 SEL	7.3	2.7	5.0
W41	8.3	4.7	6.5	PST-5BRK	6.7	3.3	5.0
PICK-W43	8.7	4.0	6.3	ANNIHILATOR LEDEBOER	7.0	2.7	4.8
B23	7.7	4.7	6.2	BAR FA 121095	6.7	3.0	4.8
FAITH	7.0	5.3	6.2	IS-TF 269 SEL	6.7	3.0	4.8
FESNOVA	7.3	5.0	6.2	IS-TF 330	7.3	2.3	4.8
PPG-TF-152	8.0	4.3	6.2	JS 825	6.3	3.3	4.8
W45	7.3	5.0	6.2	PST-5BPO	6.0	3.7	4.8
HOT ROD (BURL TF-136)	8.0	4.0	6.0	PST-5RO5	6.7	3.0	4.8
IS-TF 291	8.0	4.0	6.0	BAR FA 121089	6.3	3.0	4.7
PPG-TF-137	7.7	4.3	6.0	FRONTLINE (EXP TF-09)	6.0	3.3	4.7
PPG-TF-139	8.0	4.0	6.0	T31	6.3	3.0	4.7
PPG-TF-157	8.0	4.0	6.0	IS-TF 310 SEL	6.3	2.7	4.5
PST-5EX2	7.3	4.7	6.0	IS-TF-287	7.0	2.0	4.5
SALTILLO (PST-5SALT)	7.7	4.3	6.0	PPG-TF-145	7.0	2.0	4.5

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

NAME	JUL_3	JUL_25	MEAN
PST-5GRB	5.7	3.3	4.5
TEMPTATION (OR-21)	5.3	3.7	4.5
AQUADUCT	5.3	3.3	4.3
INSPIRATION (PST-R5NW)	5.7	3.0	4.3
K12-MCD	6.0	2.7	4.3
MARAUDER	6.3	2.3	4.3
PSG-PO1	6.3	2.3	4.3
BAR FA 120878	5.7	2.7	4.2
JS 809	5.7	2.7	4.2
JS 818	5.3	3.0	4.2
PPG-TF-115	6.3	2.0	4.2
PSG-8BP2	6.3	2.0	4.2
RAD-TF-88	6.3	2.0	4.2
BAR FA 121091	6.3	1.7	4.0
DB1	6.0	2.0	4.0
IS-TF 276 M2	6.3	1.3	3.8
COMP. RES. SST	5.3	2.0	3.7
PPG-TF-138	6.0	1.3	3.7
TD1	5.7	1.7	3.7
204 RES. BLK4	5.0	2.0	3.5
JS 819	5.3	1.3	3.3
RAD-TF-83	5.3	1.3	3.3
IS-TF 272	5.3	1.0	3.2
WARHAWK	5.3	1.0	3.2
K12-05	3.3	1.0	2.2
K12-13	3.0	1.0	2.0
LSD VALUE	3.0	5.0	3.3
C.V. (%)	19.8	54.5	28.5

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 36.   BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS
                         AT STILLWATER, OK 1/
                             2013 DATA

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

NAME	AUG_13	AUG_29	SEP_10	MEAN
BAR FA 120878	7.7	7.3	7.3	7.4
BAR FA 121089	7.7	7.0	7.7	7.4
KY-31	7.7	7.0	7.7	7.4
TERRANO	7.7	6.7	7.7	7.3
K12-MCD	8.0	6.7	7.0	7.2
RAIN DANCE (PST-5SDT)	8.0	6.7	7.0	7.2
AQUADUCT	7.3	6.3	7.3	7.0
PPG-TF-145	7.3	6.7	7.0	7.0
SALTILLO (PST-5SALT)	8.0	6.3	6.7	7.0
IS-TF 282 M2	8.0	6.0	6.7	6.9
PPG-TF-115	7.3	6.7	6.7	6.9
PST-5BPO	8.0	6.0	6.7	6.9
PST-5DZP	7.3	6.7	6.7	6.9
FRONTLINE (EXP TF-09)	7.7	6.3	6.3	6.8
INSPIRATION (PST-R5NW)	6.7	6.7	7.0	6.8
PSG-8BP2	6.0	6.7	7.7	6.8
IS-TF 276 M2	7.7	6.0	6.3	6.7
IS-TF 311	7.0	6.3	6.7	6.7
JS 825	7.0	6.0	7.0	6.7
PST-5GRB	7.0	6.3	6.7	6.7
PST-5RO5	7.3	6.0	6.7	6.7
TEMPTATION (OR-21)	7.3	6.3	6.3	6.7
GO-DFR	7.3	6.0	6.3	6.6
IS-TF 284 M2	7.0	6.0	6.7	6.6
IS-TF 305 SEL	7.0	6.0	6.7	6.6
PPG-TF-138	7.3	6.0	6.3	6.6
PST-5EV2	6.7	6.3	6.7	6.6
BIZEM	7.3	5.3	6.7	6.4
CCR2	7.0	6.0	6.3	6.4
PPG-TF-157	7.3	5.7	6.3	6.4
PST-5EX2	7.0	6.0	6.3	6.4
SRX-TPC	7.3	5.7	6.3	6.4
W41	7.0	5.7	6.7	6.4
CAESAR (TY 10)	6.3	6.0	6.7	6.3
IS-TF 285	7.7	6.0	5.3	6.3
LTP-FSD	8.0	5.7	5.3	6.3
PPG-TF-151	6.0	6.0	7.0	6.3
PSG-TT4	6.0	6.3	6.7	6.3
PST-5BRK	6.7	6.0	6.3	6.3
BAR FA 121095	5.7	5.7	7.3	6.2
IS-TF 289	7.0	5.7	6.0	6.2
IS-TF 307 SEL	7.0	5.3	6.3	6.2
PPG-TF-142	7.3	5.7	5.7	6.2
PSG-GSD	7.0	5.7	6.0	6.2
RHAMBLER 2 SRP (LSD)	7.3	5.3	6.0	6.2

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

NAME	AUG_13	AUG_29	SEP_10	MEAN
ATF 1704	6.7	5.7	6.0	6.1
BAR FA 121091	5.7	6.0	6.7	6.1
FALCON IV	6.7	5.3	6.3	6.1
PPG-TF-139	6.7	6.0	5.7	6.1
PPG-TF-152	6.3	6.0	6.0	6.1
IS-TF 330	6.7	5.3	6.0	6.0
JS 916	6.3	5.3	6.3	6.0
LTP-F5DPDR	6.7	5.7	5.7	6.0
PICK-W43	6.3	5.7	6.0	6.0
K12-05	5.7	5.7	6.3	5.9
PPG-TF-172	6.3	5.3	6.0	5.9
FAITH	6.7	5.0	5.7	5.8
GTO (BURL TF-2)	6.7	5.3	5.3	5.8
IS-TF 269 SEL	6.3	5.0	6.0	5.8
IS-TF 310 SEL	6.0	5.3	6.0	5.8
MET-3	5.3	6.0	6.0	5.8
RZ2	6.3	5.0	6.0	5.8
F711	6.3	5.3	5.3	5.7
FESNOVA	6.0	5.0	6.0	5.7
JS 809	6.3	5.3	5.3	5.7
JS 818	6.7	5.0	5.3	5.7
LTP-TWUU	6.0	5.0	6.0	5.7
MET 1	6.7	5.0	5.3	5.7
PPG-TF-150	6.0	5.3	5.7	5.7
WARHAWK	6.3	4.7	6.0	5.7
ATF 1612	5.7	5.3	5.7	5.6
DZ1	6.7	5.0	5.0	5.6
PPG-TF-105	6.7	5.0	5.0	5.6
TD1	4.7	5.7	6.3	5.6
FALCON V	6.3	5.0	5.0	5.4
GRANDE 3	6.0	4.7	5.7	5.4
JS 819	6.7	5.0	4.7	5.4
IS-TF 272	5.0	5.3	5.7	5.3
IS-TF 308 SEL	5.7	5.0	5.3	5.3
PPG-TF-170	6.7	5.0	4.3	5.3
T31	6.0	5.0	5.0	5.3
W45	5.7	4.7	5.7	5.3
FIREBIRD 2	6.3	4.3	5.0	5.2
IS-TF-287	5.7	4.7	5.3	5.2
U45	5.3	5.0	5.3	5.2
IS-TF 291	6.0	5.0	4.3	5.1
PPG-TF-137	6.0	5.0	4.3	5.1
PST-5MVD	5.3	5.0	5.0	5.1
ATF 1754	5.7	4.7	4.7	5.0
PPG-TF-169	5.7	4.7	4.7	5.0

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

NAME	AUG_13	AUG_29	SEP_10	MEAN
ATF 1736	5.7	4.3	4.7	4.9
HOT ROD (BURL TF-136)	6.0	4.3	4.3	4.9
K12-13	3.7	5.3	5.7	4.9
ZW 44	5.0	4.7	5.0	4.9
MET 6 SEL	5.7	4.3	4.3	4.8
PSG-WE1	5.0	4.3	5.0	4.8
B23	5.7	4.3	4.0	4.7
PPG-TF-156	5.7	4.0	4.3	4.7
BULLSEYE	5.0	4.3	4.3	4.6
DB1	4.0	4.7	5.0	4.6
HEMI	5.0	4.0	4.3	4.4
PPG-TF-148	5.0	4.0	4.3	4.4
PPG-TF-135	4.7	4.3	4.0	4.3
PSG-PO1	4.7	3.7	4.7	4.3
REGENERATE	4.7	4.3	4.0	4.3
U43	4.3	3.7	4.3	4.1
CATALYST	4.0	3.7	3.7	3.8
RAD-TF-92	4.3	2.7	4.3	3.8
RAD-TF-83	3.7	3.3	3.7	3.6
BURL TF-69	3.7	3.0	3.3	3.3
ANNIHILATOR LEDEBOER	4.3	3.0	2.3	3.2
COMP. RES. SST	4.0	3.7	2.0	3.2
RAD-TF-89	3.3	2.7	2.3	2.8
204 RES. BLK4	3.3	2.3	2.3	2.7
MARAUDER	3.3	2.3	2.3	2.7
RAD-TF-88	2.3	2.3	2.0	2.2
LSD VALUE	1.9	1.2	1.6	1.2
C.V. (%)	18.3	15.0	18.0	13.8

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

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

TABLE 37.   EARLY SPRING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/
                            2013 DATA

              EARLY SPRING GROUND COVER RATINGS 1-9; 9=100% COVER, 1=NONE 2/

NAME	MD1		NAME	MD1
BAR FA 120878	8.3		DZ1	7.0
KY-31	8.3		K12-MCD	7.0
PPG-TF-169	8.3		MET 6 SEL	7.0
B23	8.0		PPG-TF-105	7.0
INSPIRATION (PST-R5NW)	8.0		PPG-TF-137	7.0
LTP-FSD	8.0		PPG-TF-148	7.0
PPG-TF-135	8.0		PPG-TF-151	7.0
PST-5BRK	8.0		PPG-TF-156	7.0
RAIN DANCE (PST-5SDT)	8.0		PPG-TF-157	7.0
REGENERATE	8.0		T31	7.0
F711	7.7		ATF 1754	6.7
FESNOVA	7.7		BURL TF-69	6.7
JS 818	7.7		CCR2	6.7
LTP-F5DPDR	7.7		COMP. RES. SST	6.7
MET 1	7.7		DB1	6.7
MET-3	7.7		FAITH	6.7
PICK-W43	7.7		FALCON IV	6.7
PST-5EV2	7.7		FIREBIRD 2	6.7
PST-5EX2	7.7		FRONTLINE (EXP TF-09)	6.7
PST-5GRB	7.7		GRANDE 3	6.7
RHAMBLER 2 SRP (LSD)	7.7		GTO (BURL TF-2)	6.7
U43	7.7		HEMI	6.7
ZW 44	7.7		IS-TF 276 M2	6.7
AQUADUCT	7.3		IS-TF 285	6.7
ATF 1704	7.3		IS-TF 291	6.7
BULLSEYE	7.3		IS-TF 308 SEL	6.7
CATALYST	7.3		IS-TF-287	6.7
FALCON V	7.3		JS 809	6.7
PPG-TF-170	7.3		K12-05	6.7
PSG-GSD	7.3		LTP-TWUU	6.7
PSG-TT4	7.3		PPG-TF-139	6.7
PSG-WE1	7.3		PPG-TF-172	6.7
PST-5BPO	7.3		PST-5MVD	6.7
RZ2	7.3		PST-5RO5	6.7
SRX-TPC	7.3		RAD-TF-89	6.7
W45	7.3		SALTILLO (PST-5SALT)	6.7
ANNIHILATOR LEDEBOER	7.0		TEMPTATION (OR-21)	6.7
ATF 1736	7.0		TERRANO	6.7
BAR FA 121089	7.0		W41	6.7
BIZEM	7.0		WARHAWK	6.7
CAESAR (TY 10)	7.0		204 RES. BLK4	6.3
			ATF 1612	6.3

EARLY SPRING GROUND COVER RATINGS 1-9; 9=100% COVER, 1=NONE 2/

NAME	MD1
BAR FA 121095	6.3
GO-DFR	6.3
HOT ROD (BURL TF-136)	6.3
IS-TF 269 SEL	6.3
IS-TF 284 M2	6.3
JS 819	6.3
JS 825	6.3
MARAUDER	6.3
PPG-TF-138	6.3
PPG-TF-150	6.3
PPG-TF-152	6.3
RAD-TF-83	6.3
U45	6.3
BAR FA 121091	6.0
IS-TF 272	6.0
IS-TF 282 M2	6.0
IS-TF 289	6.0
IS-TF 305 SEL	6.0
IS-TF 330	6.0
PPG-TF-115	6.0
PPG-TF-142	6.0
PPG-TF-145	6.0
PSG-8BP2	6.0
PSG-PO1	6.0
RAD-TF-88	6.0
RAD-TF-92	6.0
TD1	6.0
IS-TF 307 SEL	5.7
IS-TF 310 SEL	5.7
IS-TF 311	5.7
JS 916	5.7
PST-5DZP	5.7
K12-13	5.0
LSD VALUE	1.0
C.V. (%)	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.

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
204 RES. BLK4	5.6	11.1	IS-TF 310 SEL	6.2	38.9
ANNIHILATOR LEDEBOER	5.4	0.0	IS-TF 311	6.1	0.0
AQUADUCT	5.6	5.6	IS-TF 330	6.2	44.4
ATF 1612	6.3	11.1	IS-TF-287	6.2	22.2
ATF 1704	6.1	16.7	JS 809	5.7	5.6
ATF 1736	6.1	11.1	JS 818	6.0	5.6
ATF 1754	6.1	22.2	JS 819	5.7	0.0
B23	6.5	61.1	JS 825	5.6	5.6
BAR FA 120878	5.1	5.6	JS 916	6.0	5.6
BAR FA 121089	5.6	5.6	K12-05	5.9	5.6
BAR FA 121091	5.5	0.0	K12-13	5.4	0.0
BAR FA 121095	5.8	5.6	K12-MCD	6.2	33.3
BIZEM	6.3	38.9	KY-31	4.0	5.6
BULLSEYE	6.2	16.7	LTP-F5DPDR	6.3	38.9
BURL TF-69	6.0	11.1	LTP-FSD	6.2	16.7
CAESAR (TY 10)	6.0	22.2	LTP-TWUU	6.3	38.9
CATALYST	6.2	38.9	MARAUDER	5.3	0.0
CCR2	6.5	61.1	MET 1	6.5	61.1
COMP. RES. SST	5.5	0.0	MET 6 SEL	6.1	27.8
DB1	6.1	22.2	MET-3	6.4	33.3
DZ1	6.2	11.1	PICK-W43	6.5	61.1
F711	6.4	44.4	PPG-TF-105	6.5	61.1
FAITH	6.2	11.1	PPG-TF-115	6.0	5.6
FALCON IV	6.0	5.6	PPG-TF-135	6.3	33.3
FALCON V	6.2	16.7	PPG-TF-137	6.5	66.7
FESNOVA	6.4	50.0	PPG-TF-138	6.2	22.2
FIREBIRD 2	6.2	16.7	PPG-TF-139	6.1	16.7
FRONTLINE (EXP TF-09)	5.9	16.7	PPG-TF-142	5.9	16.7
GO-DFR	6.0	5.6	PPG-TF-145	6.0	22.2
GRANDE 3	6.2	27.8	PPG-TF-148	6.1	22.2
GTO (BURL TF-2)	6.3	27.8	PPG-TF-150	6.5	50.0
HEMI	6.3	22.2	PPG-TF-151	6.3	22.2
HOT ROD (BURL TF-136)	6.3	33.3	PPG-TF-152	6.5	66.7
INSPIRATION (PST-R5NW)	5.8	5.6	PPG-TF-156	6.4	61.1
IS-TF 269 SEL	6.1	16.7	PPG-TF-157	6.4	44.4
IS-TF 272	6.1	33.3	PPG-TF-169	6.2	27.8
IS-TF 276 M2	6.0	16.7	PPG-TF-170	6.3	33.3
IS-TF 282 M2	6.1	33.3	PPG-TF-172	6.4	33.3
IS-TF 284 M2	6.1	16.7	PSG-8BP2	5.8	11.1
IS-TF 285	6.2	27.8	PSG-GSD	6.0	11.1
IS-TF 289	6.3	27.8	PSG-PO1	6.2	38.9
IS-TF 291	6.4	50.0	PSG-TT4	5.7	0.0
IS-TF 305 SEL	6.1	11.1	PSG-WE1	6.3	27.8
IS-TF 307 SEL	6.3	44.4	PST-5BPO	6.0	11.1
IS-TF 308 SEL	6.1	27.8	PST-5BRK	6.1	16.7

APPENDIX TABLE.   SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS
2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
PST-5DZP	5.9	11.1
PST-5EV2	6.2	16.7
PST-5EX2	5.8	5.6
PST-5GRB	6.2	22.2
PST-5MVD	6.0	5.6
PST-5RO5	6.0	22.2
RAD-TF-83	5.8	0.0
RAD-TF-88	6.0	33.3
RAD-TF-89	6.1	22.2
RAD-TF-92	5.9	11.1
RAIN DANCE (PST-5SDT)	5.9	16.7
REGENERATE	6.6	55.6
RHAMBLER 2 SRP (LSD)	6.4	61.1
RZ2	6.3	38.9
SALTILLO (PST-5SALT)	6.0	16.7
SRX-TPC	6.4	61.1
T31	6.1	27.8
TD1	6.1	22.2
TEMPTATION (OR-21)	6.1	27.8
TERRANO	6.2	27.8
U43	6.6	72.2
U45	6.3	27.8
W41	6.2	27.8
W45	6.5	50.0
WARHAWK	5.4	0.0
ZW 44	6.6	61.1
LSD VALUE	0.2	
C.V. (%)	8.0	

*/ 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.