

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2017 NATIONAL KENTUCKY BLUEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2018

State	Location	Code
Arkansas	Fayetteville	AR1
Connecticut	Storrs	CT1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Iowa	Ames (Shade)	IA2
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Massachusetts	Amherst (Traffic Stress)	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
North Dakota	Fargo	ND1
Oklahoma	Stillwater	OK1
Tennessee	Knoxville	TN1
Utah	Logan	UT1
Virginia	Blacksburg (Traffic Stress)	VA1

2017 NATIONAL KENTUCKY BLUEGRASS TEST
Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor	Entry	Name	Sponsor
1	A11-40	Landmark Turf & Native Seed	40	NAI-14-178	Columbia River Seed	*79	Kenblue	Standard
2	A13-1	Landmark Turf & Native Seed	41	NAI-14-187	Columbia River Seed	80	PST-K13-139	Pure-Seed Testing, Inc.
3	A99-2897	Turf Merchants, Inc.	42	NAI-15-84	Columbia River Seed	81	PST-K13-141	Pure-Seed Testing, Inc.
4	LTP-11-41	Lebanon Seaboard Corp.	*43	Pivot	Columbia River Seed	82	PST-K11-118	Pure-Seed Testing, Inc.
*5	Blue Knight	Ledeboer Plant Breeding	*44	Blue Devil	Columbia Seeds	83	PST-K15-157	Pure-Seed Testing, Inc.
6	RAD 553	Seeds Inc.	*45	Skye	Standard	84	PST-11-7	DLF-Pickseed USA
*7	Selway	Seeds Inc.	46	GO-22B23	Grassland Oregon	85	PST-K15-167	Pure Seed Testing Inc.
*8	Babe	Seeds Inc.	47	GO-2628	Grassland Oregon	86	PST-K15-177	Pure Seed Testing Inc.
9	AKB3128	Pennington Seed	48	GO-2425	Grassland Oregon	87	PST-K15-172	Pure Seed Testing Inc.
10	AKB3179	Pennington Seed	49	DLFPS-340/3364	DLF Pickseed USA	*88	Midnight	Standard
11	AKB3241	Pennington Seed	50	DLFPS-340/3446	DLF Pickseed USA	89	PST-T14-39	Pure-Seed Testing, Inc.
12	NK-1	Pennington Seed	51	DLFPS-340/3556	DLF Pickseed USA			
13	KH3492	Pennington Seed	52	DLFPS-340/3553	DLF Pickseed USA			
*14	Yellowstone (A12-7)	Landmark Turf & Native Seed	53	DLFPS-340/3494	DLF Pickseed USA			
*15	After Midnight	Jacklin Seed by Simplot	54	DLFPS-340/3500	DLF Pickseed USA			
16	J-1138	Jacklin Seed by Simplot	55	DLFPS-340/3438	DLF Pickseed USA			
17	J-1319	Jacklin Seed by Simplot	56	DLFPS-340/3549	DLF Pickseed USA			
18	J-2726	Jacklin Seed by Simplot	57	DLFPS-340/3548	DLF Pickseed USA			
19	J-3510	Jacklin Seed by Simplot	58	DLFPS-340/3444	DLF Pickseed USA			
20	BAR PP 71213	Barenbrug Research	59	DLFPS-340/3455	DLF Pickseed USA			
21	BAR PP 7309V	Barenbrug Research	60	DLFPS-340/3550	DLF Pickseed USA			
22	BAR PP 79366	Barenbrug Research	61	DLFPS-340/3551	DLF Pickseed USA			
*23	Barvette HGT®	Standard	62	DLFPS-340/3552	DLF Pickseed USA			
24	BAR PP 7K426	Barenbrug Research	63	MVS-130	Mountain View Seeds			
25	BAR PP 7236V	Barenbrug Research	64	A16-1	Mountain View Seeds			
26	BAR PP 79494	Barenbrug Research	65	A16-7	Mountain View Seeds			
*27	Barserati (BAR PP 110358)	Barenbrug Research	66	A12-34	Mountain View Seeds			
28	RAD-1776	Barenbrug Research	67	A11-26	Mountain View Seeds			
29	NAI-A16-3	Novel AG Inc.	68	PPG-KB 1320	Mountain View Seeds			
30	NAI-13-132	SiteOne Landscape Supply	69	A11-38	Peak Plant Genetics			
31	NAI-15-80	SiteOne Landscape Supply	70	PPG-KB 1131	Mountain View Seeds			
32	NAI-13-9	Columbia River Seed	71	A10-280	Mountain View Seeds			
33	NAI-13-14	Columbia River Seed	*72	Shamrock	Standard			
34	NAI-14-122	Columbia River Seed	73	A16-2	The Scotts Company			
*35	Orion (PST-K13-143)	Dye Seed Ranch, Inc.	74	PPG-KB 1304	ProSeeds Marketing			
36	NAI-14-128	Columbia River Seed	75	A15-6	Peak Plant Genetics, LLC			
37	NAI-14-132	Columbia River Seed	76	A16-17	Peak Plant Genetics, LLC			
38	NAI-14-133	Columbia River Seed	*77	Prosperity	Blue Mt. Seeds, Inc.			
39	NAI-14-176	Columbia River Seed	78	A06-8	Blue Mt. Seeds, Inc.			

*COMMERCIALY AVAILABLE IN THE US OR ANY OTHER COUNTRY 2019

TABLE A.

2018 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2017 NATIONAL KENTUCKY BLUEGRASS 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	2.6-3.0	TO PREVENT STRESS
CT1	SANDY LOAM	6.1-6.5	61-150	151-240	-	FULL SUN	1.1-1.5	ONLY DURING SEVERE 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 DORMANCY
IA2	SANDY CLAY	7.1-7.5	0-60	0-150	1.1-2.0	DENSE SHADE	2.6-3.0	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	-	-
KY1	SILT LOAM AND SILT	4.6-5.5	451+	376-500	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
MI1	-	-	-	-	-	-	-	-
MN1	SILTY CLAY LOAM	5.6-6.0	61-150	376-500	1.1-2.0	FULL SUN	1.6-2.0	NO IRRIGATION
NC1	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	1.1-2.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ND1	SILTY CLAY AND CLAY	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NE1	SILTY CLAY AND CLAY	7.1-7.5	0-60	376-500	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NJ2	SANDY LOAM	6.6-7.0	451+	376-500	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
TN1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	3.1-4.0	LIGHT SHADE	1.6-2.0	ONLY DURING SEVERE STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2018

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
CT1						X	X	X	X	X			X		X
IA1					X	X	X	X	X	X			X		
IA2				X	X	X	X	X	X	X	X		X		
IN1				X	X	X	X	X	X	X	X		X	X	
KY1				X	X	X	X	X	X	X	X				
MA1					X	X	X	X	X	X	X				
MD1						X	X	X	X	X					
MI1					X	X	X	X	X	X					
MN1					X	X	X	X	X	X				X	X
NC1			X	X	X	X	X	X	X	X	X		X		X
ND1					X	X	X	X	X	X					
NE1				X	X	X	X	X	X	X			X		
NJ2				X	X	X	X	X	X	X	X				
OK1									X	X	X				X
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1					X	X	X	X	X	X			X		
VA1					X	X	X	X							

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2018

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	STEM RUST	DOLLAR SPOT	SUMMER PATCH	CROWN RUST	PINK SNOW MOLD
AR1													
CT1													
IA1													
IA2		X	X	X	X	X	X						
IN1	X			X					X	X			
KY1	X												
MA1													
MD1													
MI1				X								X	
MN1													X
NC1	X		X		X	X					X		
ND1		X	X	X	X	X	X						
NE1													
NJ2							X				X		
OK1				X			X		X				
TN1		X	X	X	X	X	X	X					
UT1	X												
VA1													

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2018

LOCATION	FALL	FALL	FALL	FALL	SEEDHEAD	POA	MOW	PERCENT	UNIFORMITY	MESOTRIONE	SUMMER		PERCENT ESTABLISHMENT				
	COLOR	COLOR	COLOR	COLOR				ESTABLISH			RATINGS	PATCH	PATCH	DEC	FEB	2	4
	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	RATINGS	ANNUA	QUALITY	MENT	RATINGS	DAMAGE	AUG	SEPT	2017	2018	WKS	WKS	WKS
AR1																	
CT1																	
IA1								X									
IA2	X	X	X					X									
IN1	X				X												
KY1																	
*MA1																	
MD1								X									
MI1																	
MN1								X	X								
NC1											X	X	X	X			
ND1			X														
NE1								X									
NJ2								X		X							
OK1															X	X	X
TN1																	
UT1																	
*VA1								X									

* MORE DATA FOR MA1 AND VA1 IN TABLE 10 AND 11.

TABLE 1.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
 2018 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	NC1	TN1	MI1	IA1	OK1	NE1	ND1	MEAN
* BARVETTE HGT®	23	5.1	6.5	6.7	6.6	5.3	5.3	6.8	6.0
BAR PP 7236V	25	4.8	6.3	6.5	6.3	5.0	5.0	6.6	5.8
GO-2628	47	5.0	6.0	6.3	6.3	5.1	5.1	6.6	5.8
* BARSERATI (BAR PP 110358)	27	5.0	6.1	6.3	6.3	5.1	5.0	6.4	5.8
A10-280	71	4.9	6.3	6.4	6.3	5.2	4.9	6.2	5.7
LTP-11-41	4	4.7	6.3	6.4	6.3	5.0	5.0	6.6	5.7
BAR PP 7309V	21	4.5	6.2	6.4	6.2	4.8	5.0	6.7	5.7
AKB3179	10	4.4	6.1	6.3	6.1	4.7	4.9	6.7	5.6
J-1138	16	4.8	5.7	6.1	6.1	4.8	5.0	6.6	5.6
KH3492	13	4.4	6.0	6.3	6.1	4.7	5.0	6.8	5.6
A16-17	76	4.9	6.0	6.2	6.1	5.0	4.8	6.1	5.6
BAR PP 71213	20	4.4	6.1	6.3	6.1	4.7	4.9	6.5	5.6
* BABE	8	4.2	6.0	6.3	6.1	4.5	5.0	6.9	5.6
PPG-KB 1304	74	5.0	5.8	6.1	6.1	5.0	4.8	6.1	5.6
AKB3128	9	4.5	5.9	6.2	6.0	4.7	4.8	6.5	5.5
GO-22B23	46	4.8	5.6	6.0	6.0	4.8	4.9	6.5	5.5
DLFPS-340/3494	53	4.6	5.8	6.1	6.0	4.8	4.9	6.5	5.5
DLFPS-340/3455	59	4.2	6.1	6.3	6.0	4.6	4.8	6.5	5.5
* YELLOWSTONE (A12-7)	14	4.5	5.9	6.1	6.0	4.7	4.8	6.4	5.5
A16-2	73	4.5	5.9	6.1	6.0	4.7	4.8	6.4	5.5
DLFPS-340/3552	62	4.6	5.9	6.1	6.0	4.8	4.7	6.2	5.5
PST-K11-118	82	4.6	5.7	6.1	6.0	4.6	4.9	6.6	5.5
NAI-A16-3	29	4.5	5.7	6.1	6.0	4.7	4.8	6.5	5.5
GO-2425	48	4.9	5.5	5.9	6.0	4.8	4.8	6.4	5.5
* SELWAY	7	4.1	5.8	6.2	5.9	4.4	4.9	6.9	5.5
BAR PP 7K426	24	4.5	5.8	6.1	6.0	4.7	4.8	6.4	5.5
RAD 553	6	4.1	5.9	6.2	5.9	4.4	4.8	6.7	5.4
PST-K13-141	81	4.4	5.8	6.1	5.9	4.6	4.7	6.4	5.4
DLFPS-340/3549	56	4.2	5.9	6.1	5.9	4.5	4.8	6.6	5.4
RAD-1776	28	4.0	5.8	6.1	5.9	4.3	4.8	6.9	5.4
* ORION (PST-K13-143)	35	4.0	5.7	6.1	5.9	4.3	4.8	6.9	5.4
BAR PP 79366	22	4.7	5.6	5.9	5.9	4.7	4.7	6.2	5.4
DLFPS-340/3551	61	4.6	5.8	6.0	5.9	4.8	4.6	5.9	5.4
A11-26	67	4.7	5.7	5.9	5.9	4.8	4.6	5.9	5.4
PST-11-7	84	4.4	5.5	5.9	5.8	4.5	4.8	6.5	5.3
DLFPS-340/3550	60	4.7	5.6	5.9	5.9	4.7	4.6	6.0	5.3
PST-K13-139	80	4.0	5.7	6.1	5.8	4.3	4.7	6.8	5.3
A11-40	1	4.3	5.6	5.9	5.8	4.5	4.7	6.4	5.3
J-3510	19	4.8	5.4	5.8	5.8	4.7	4.7	6.1	5.3
* KENBLUE	79	3.6	6.1	6.2	5.8	4.2	4.6	6.7	5.3
NAI-13-9	32	4.4	5.4	5.8	5.8	4.4	4.7	6.5	5.3
BAR PP 79494	26	4.3	5.3	5.8	5.7	4.3	4.8	6.7	5.3
A16-1	64	3.9	5.6	6.0	5.8	4.2	4.7	6.7	5.3
DLFPS-340/3556	51	4.7	5.6	5.8	5.8	4.8	4.5	5.7	5.3
A99-2897	3	4.5	5.6	5.8	5.8	4.6	4.5	5.9	5.3
* SKYE	45	4.5	5.3	5.7	5.7	4.5	4.7	6.3	5.3
DLFPS-340/3438	55	4.2	5.6	5.9	5.7	4.4	4.6	6.3	5.2
DLFPS-340/3500	54	4.4	5.5	5.8	5.7	4.5	4.6	6.1	5.2
AKB3241	11	4.1	5.4	5.8	5.7	4.3	4.7	6.6	5.2
A15-6	75	4.2	5.6	5.8	5.7	4.4	4.5	6.2	5.2
A11-38	69	4.0	5.5	5.8	5.7	4.2	4.6	6.4	5.2

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2018 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY	NC1	TN1	MI1	IA1	OK1	NE1	ND1	MEAN
A13-1	2	4.4	5.3	5.7	5.6	4.4	4.5	6.1	5.2
NAI-13-14	33	4.4	5.1	5.6	5.6	4.3	4.6	6.4	5.1
* SHAMROCK	72	4.0	5.4	5.8	5.6	4.2	4.5	6.4	5.1
PST-T14-39	89	4.2	5.3	5.7	5.6	4.2	4.6	6.4	5.1
* MIDNIGHT	88	4.4	5.1	5.6	5.6	4.3	4.6	6.3	5.1
PST-K15-172	87	4.4	5.3	5.6	5.6	4.4	4.5	6.0	5.1
* PIVOT	43	4.1	5.3	5.7	5.6	4.2	4.5	6.3	5.1
DLFPS-340/3548	57	4.1	5.5	5.7	5.6	4.3	4.4	6.1	5.1
A06-8	78	4.3	5.2	5.6	5.6	4.3	4.5	6.1	5.1
NAI-14-176	39	3.9	5.1	5.7	5.5	3.9	4.7	6.9	5.1
DLFPS-340/3446	50	4.0	5.4	5.7	5.6	4.2	4.4	6.2	5.1
NK-1	12	4.1	5.4	5.7	5.6	4.3	4.4	6.1	5.1
* BLUE DEVIL	44	4.3	5.2	5.6	5.5	4.3	4.4	6.1	5.1
A16-7	65	4.1	5.1	5.6	5.5	4.2	4.5	6.3	5.0
NAI-13-132	30	4.4	5.0	5.5	5.5	4.3	4.5	6.2	5.0
PST-K15-167	85	3.9	5.2	5.6	5.5	4.1	4.5	6.4	5.0
PST-K15-157	83	4.0	5.2	5.6	5.5	4.1	4.5	6.4	5.0
PPG-KB 1131	70	4.2	5.0	5.5	5.5	4.2	4.5	6.2	5.0
DLFPS-340/3444	58	3.8	5.3	5.7	5.5	4.0	4.4	6.4	5.0
* PROSPERITY	77	4.2	5.0	5.5	5.4	4.1	4.4	6.2	5.0
DLFPS-340/3553	52	4.3	5.1	5.5	5.5	4.3	4.3	5.8	5.0
J-1319	17	4.3	4.9	5.4	5.4	4.2	4.4	6.0	4.9
J-2726	18	4.3	4.8	5.4	5.4	4.2	4.4	6.1	4.9
NAI-15-84	42	3.8	5.1	5.6	5.4	3.9	4.4	6.4	4.9
NAI-14-133	38	3.9	4.9	5.5	5.4	3.9	4.5	6.6	4.9
A12-34	66	3.9	5.3	5.6	5.4	4.1	4.3	6.0	4.9
MVS-130	63	3.9	5.0	5.5	5.4	3.9	4.4	6.3	4.9
NAI-14-122	34	3.8	4.9	5.4	5.3	3.8	4.4	6.5	4.9
PPG-KB 1320	68	3.6	5.0	5.5	5.3	3.7	4.4	6.7	4.9
* AFTER MIDNIGHT	15	4.2	4.6	5.3	5.3	4.0	4.4	6.3	4.9
NAI-14-187	41	3.7	4.9	5.4	5.3	3.8	4.4	6.5	4.9
PST-K15-177	86	4.1	4.9	5.3	5.3	4.0	4.3	6.0	4.9
NAI-14-128	36	3.8	4.8	5.4	5.3	3.8	4.4	6.5	4.8
NAI-14-178	40	3.6	4.7	5.4	5.3	3.7	4.5	6.8	4.8
NAI-15-80	31	3.7	5.0	5.5	5.3	3.8	4.3	6.3	4.8
NAI-14-132	37	3.8	4.6	5.3	5.2	3.8	4.3	6.4	4.8
DLFPS-340/3364	49	3.0	4.4	4.9	4.7	3.2	3.7	5.9	4.3
* BLUE KNIGHT	5	2.8	4.2	4.8	4.6	3.0	3.8	6.1	4.2
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		12.5	9.7	9.1	9.3	12.1	11.5	8.3	10.1

* COMMERCIALY AVAILABLE IN THE USA IN 2019

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

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

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

TABLE 2. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2018 DATA

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

NAME	CT1	NJ2	KY1	IN1	MEAN
GO-2628	7.1	6.6	7.1	6.9	6.9
GO-2425	7.3	6.6	7.0	6.8	6.9
PPG-KB 1304	7.0	7.1	6.8	6.7	6.9
J-3510	7.2	6.7	6.8	6.7	6.8
GO-22B23	7.1	6.3	7.0	6.8	6.8
BARVETTE HGT®	6.9	6.3	7.1	6.9	6.8
BARSERATI (BAR PP 110358)	6.9	6.6	6.9	6.7	6.8
J-1138	7.1	6.2	7.0	6.8	6.8
A16-17	6.7	6.7	6.7	6.6	6.7
A11-26	6.7	6.8	6.6	6.5	6.6
A10-280	6.5	6.8	6.7	6.5	6.6
DLFPS-340/3556	6.7	6.8	6.5	6.4	6.6
BAR PP 79366	6.8	6.3	6.7	6.5	6.6
DLFPS-340/3550	6.7	6.5	6.6	6.5	6.6
SKYE	7.0	5.9	6.8	6.6	6.6
MIDNIGHT	7.0	5.7	6.8	6.5	6.5
NAI-13-14	7.0	5.6	6.8	6.5	6.5
AFTER MIDNIGHT	7.1	5.5	6.7	6.5	6.5
NAI-13-132	6.9	5.7	6.7	6.4	6.4
BAR PP 7236V	6.5	5.9	6.8	6.6	6.4
J-2726	6.9	5.7	6.6	6.4	6.4
J-1319	6.9	5.9	6.6	6.4	6.4
PST-K11-118	6.7	5.6	6.8	6.5	6.4
DLFPS-340/3552	6.5	6.2	6.6	6.4	6.4
DLFPS-340/3494	6.6	5.8	6.7	6.5	6.4
NAI-A16-3	6.7	5.6	6.8	6.5	6.4
A13-1	6.7	5.9	6.6	6.4	6.4
NAI-13-9	6.8	5.4	6.7	6.5	6.4
PST-11-7	6.7	5.5	6.7	6.5	6.4
A99-2897	6.5	6.2	6.4	6.3	6.3
DLFPS-340/3551	6.4	6.3	6.4	6.3	6.3
LTP-11-41	6.4	5.7	6.7	6.5	6.3
A06-8	6.7	5.8	6.5	6.3	6.3
PST-K15-172	6.6	5.8	6.5	6.3	6.3
DLFPS-340/3500	6.5	5.8	6.5	6.3	6.3
DLFPS-340/3553	6.6	6.0	6.4	6.2	6.3
AKB3128	6.5	5.6	6.6	6.4	6.3
YELLOWSTONE (A12-7)	6.4	5.6	6.6	6.4	6.3
A16-2	6.4	5.6	6.6	6.4	6.2
PPG-KB 1131	6.7	5.4	6.5	6.3	6.2
BAR PP 79494	6.7	4.9	6.8	6.5	6.2
BLUE DEVIL	6.5	5.6	6.5	6.2	6.2
BAR PP 7K426	6.4	5.5	6.6	6.4	6.2
PROSPERITY	6.6	5.3	6.5	6.3	6.2
A11-40	6.4	5.3	6.5	6.3	6.1
BAR PP 7309V	6.2	5.2	6.6	6.4	6.1
PST-K15-177	6.5	5.3	6.4	6.2	6.1
PST-K13-141	6.2	5.3	6.5	6.3	6.1
A16-7	6.5	5.1	6.5	6.2	6.1

TABLE 2. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2018 DATA

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

NAME	CT1	NJ2	KY1	IN1	MEAN
PST-T14-39	6.5	5.0	6.5	6.3	6.1
KH3492	6.3	4.8	6.6	6.4	6.0
BAR PP 71213	6.1	5.2	6.5	6.3	6.0
AKB3179	6.1	5.0	6.5	6.3	6.0
AKB3241	6.4	4.7	6.6	6.3	6.0
A15-6	6.1	5.2	6.3	6.1	5.9
DLFPS-340/3438	6.1	5.1	6.4	6.1	5.9
PIVOT	6.3	5.0	6.4	6.1	5.9
NAI-14-132	6.5	4.3	6.5	6.1	5.9
NAI-14-133	6.4	4.3	6.5	6.2	5.8
NK-1	6.0	5.1	6.2	6.0	5.8
PST-K15-157	6.2	4.5	6.4	6.1	5.8
BABE	6.1	4.3	6.6	6.3	5.8
MVS-130	6.3	4.5	6.4	6.1	5.8
DLFPS-340/3549	6.0	4.6	6.4	6.1	5.8
NAI-14-128	6.4	4.2	6.4	6.1	5.8
DLFPS-340/3446	6.0	4.9	6.2	6.0	5.8
DLFPS-340/3548	6.0	5.0	6.2	6.0	5.8
SELWAY	6.1	4.2	6.5	6.2	5.8
PST-K15-167	6.2	4.4	6.3	6.1	5.8
DLFPS-340/3455	5.8	4.8	6.3	6.1	5.8
NAI-14-176	6.4	3.8	6.6	6.2	5.7
NAI-14-122	6.3	4.1	6.4	6.1	5.7
A11-38	6.0	4.5	6.3	6.0	5.7
RAD 553	5.9	4.4	6.4	6.1	5.7
SHAMROCK	6.0	4.4	6.3	6.0	5.7
A12-34	5.9	4.7	6.1	5.8	5.6
PST-K13-139	5.9	4.0	6.4	6.1	5.6
ORION (PST-K13-143)	5.9	3.8	6.4	6.1	5.6
NAI-14-187	6.1	3.9	6.3	6.0	5.6
A16-1	5.9	4.0	6.3	6.0	5.6
NAI-15-84	6.0	4.1	6.2	5.9	5.6
NAI-14-178	6.3	3.5	6.4	6.0	5.6
RAD-1776	5.8	3.8	6.4	6.1	5.5
DLFPS-340/3444	5.8	4.1	6.2	5.9	5.5
NAI-15-80	5.9	4.0	6.1	5.8	5.5
PPG-KB 1320	5.9	3.3	6.2	5.9	5.3
KENBLUE	4.9	3.1	5.8	5.5	4.8
DLFPS-340/3364	5.1	2.9	5.5	5.2	4.7
BLUE KNIGHT	5.3	2.4	5.6	5.2	4.7
LSD VALUE	0.9	0.9	0.9	0.9	0.9
C.V. (%)	8.3	10.3	8.2	8.5	8.7

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

TABLE 3. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2018 DATA

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

NAME	MD1	MN1	AR1	UT1	MEAN
AFTER MIDNIGHT	7.1	6.6	7.0	6.6	6.8
GO-2425	6.5	6.4	6.8	6.5	6.6
MIDNIGHT	6.6	6.3	6.8	6.5	6.5
NAI-13-14	6.5	6.3	6.8	6.5	6.5
J-1138	6.2	6.2	6.9	6.5	6.5
GO-22B23	6.3	6.3	6.8	6.5	6.5
J-2726	6.5	6.3	6.7	6.4	6.5
SKYE	6.3	6.2	6.7	6.4	6.4
BAR PP 79494	6.3	6.1	6.8	6.5	6.4
NAI-13-132	6.4	6.2	6.7	6.4	6.4
J-3510	6.3	6.3	6.7	6.4	6.4
NAI-14-132	6.4	6.0	6.7	6.3	6.4
GO-2628	6.0	6.2	6.8	6.5	6.4
NAI-14-176	6.2	5.9	6.8	6.4	6.3
NAI-14-178	6.3	5.9	6.8	6.3	6.3
J-1319	6.3	6.1	6.6	6.2	6.3
NAI-13-9	6.1	6.0	6.7	6.3	6.3
NAI-14-128	6.3	5.9	6.7	6.3	6.3
NAI-14-133	6.2	5.9	6.7	6.3	6.3
PST-11-7	6.0	5.9	6.7	6.3	6.2
PROSPERITY	6.1	5.9	6.5	6.2	6.2
PPG-KB 1131	6.1	5.9	6.5	6.2	6.2
PST-K11-118	5.8	5.9	6.6	6.3	6.2
NAI-14-122	6.0	5.8	6.6	6.2	6.1
NAI-A16-3	5.7	5.8	6.6	6.2	6.1
PPG-KB 1304	5.7	5.9	6.4	6.1	6.1
A06-8	5.9	5.8	6.4	6.1	6.1
A16-7	5.9	5.8	6.5	6.1	6.0
PST-K15-177	6.0	5.8	6.4	6.0	6.0
AKB3241	5.7	5.7	6.6	6.2	6.0
BARVETTE HGT®	5.4	5.8	6.6	6.3	6.0
PST-T14-39	5.8	5.7	6.5	6.1	6.0
A13-1	5.8	5.8	6.4	6.1	6.0
BAR PP 79366	5.7	5.8	6.4	6.1	6.0
MVS-130	5.8	5.6	6.4	6.0	6.0
BARSERATI (BAR PP 110358)	5.5	5.8	6.5	6.2	6.0
NAI-14-187	5.8	5.6	6.5	6.0	6.0
DLFPS-340/3494	5.5	5.7	6.5	6.1	5.9
BLUE DEVIL	5.7	5.7	6.3	6.0	5.9
PST-K15-157	5.6	5.5	6.4	6.0	5.9
PST-K15-172	5.6	5.7	6.3	6.0	5.9
DLFPS-340/3550	5.5	5.7	6.3	6.0	5.9
PPG-KB 1320	5.6	5.4	6.4	6.0	5.8
DLFPS-340/3553	5.6	5.7	6.2	5.9	5.8
PST-K15-167	5.5	5.5	6.3	5.9	5.8
A11-40	5.4	5.5	6.3	6.0	5.8
DLFPS-340/3500	5.4	5.6	6.2	5.9	5.8
KH3492	5.2	5.4	6.5	6.1	5.8
AKB3128	5.2	5.5	6.4	6.0	5.8

TABLE 3. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2018 DATA

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

NAME	MD1	MN1	AR1	UT1	MEAN
SELWAY	5.2	5.3	6.5	6.0	5.7
A11-26	5.3	5.6	6.1	5.9	5.7
PIVOT	5.4	5.4	6.3	5.9	5.7
BAR PP 7236V	5.1	5.5	6.4	6.0	5.7
A16-17	5.2	5.6	6.2	5.9	5.7
YELLOWSTONE (A12-7)	5.2	5.4	6.3	5.9	5.7
BAR PP 7K426	5.2	5.4	6.3	5.9	5.7
ORION (PST-K13-143)	5.1	5.2	6.4	6.0	5.7
BABE	5.0	5.2	6.4	6.0	5.6
NAI-15-84	5.3	5.3	6.2	5.8	5.6
A16-2	5.1	5.4	6.2	5.9	5.6
DLFPS-340/3556	5.2	5.5	6.0	5.7	5.6
DLFPS-340/3552	5.0	5.4	6.1	5.8	5.6
LTP-11-41	4.9	5.3	6.3	5.9	5.6
A99-2897	5.1	5.4	6.1	5.7	5.6
BAR PP 7309V	4.9	5.2	6.3	5.9	5.6
PST-K13-141	5.0	5.2	6.2	5.8	5.5
SHAMROCK	5.0	5.2	6.2	5.8	5.5
PST-K13-139	4.9	5.1	6.2	5.8	5.5
NAI-15-80	5.2	5.1	6.1	5.7	5.5
DLFPS-340/3438	5.0	5.2	6.1	5.7	5.5
A11-38	5.0	5.1	6.1	5.7	5.5
A16-1	4.9	5.1	6.2	5.8	5.5
AKB3179	4.8	5.1	6.2	5.8	5.5
A15-6	5.0	5.2	6.1	5.7	5.5
RAD-1776	4.8	5.0	6.3	5.8	5.5
DLFPS-340/3444	5.0	5.1	6.1	5.7	5.5
DLFPS-340/3549	4.8	5.1	6.2	5.8	5.5
DLFPS-340/3446	4.9	5.1	6.0	5.6	5.4
A10-280	4.7	5.2	6.0	5.7	5.4
NK-1	4.9	5.1	6.0	5.6	5.4
RAD 553	4.7	5.0	6.1	5.7	5.4
BAR PP 71213	4.6	5.1	6.1	5.7	5.4
BLUE KNIGHT	5.2	4.9	5.9	5.5	5.4
DLFPS-340/3551	4.8	5.2	5.9	5.6	5.4
DLFPS-340/3548	4.8	5.0	5.9	5.6	5.3
A12-34	4.8	5.0	5.9	5.5	5.3
DLFPS-340/3455	4.3	4.7	5.9	5.5	5.1
DLFPS-340/3364	4.5	4.5	5.6	5.1	4.9
KENBLUE	3.3	3.9	5.5	5.0	4.4
LSD VALUE	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.7	9.6	8.4	8.9	9.1

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

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

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

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2018 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AR1	CT1	IA1	MI1	NC1	ND1	NE1	NJ2	OK1	TN1	MEAN
GO-2628	7.1	7.2	6.4	6.1	5.1	6.2	5.3	6.5	5.2	6.6	6.3
BARVETTE HGT®	6.7	6.6	7.1	6.9	5.1	7.0	5.5	6.5	5.9	5.6	6.3
GO-22B23	6.9	6.9	5.1	6.1	4.9	6.0	5.5	6.2	5.3	6.1	6.2
J-1138	6.6	7.3	5.9	5.9	5.2	7.0	5.5	6.2	4.9	5.4	6.2
GO-2425	7.2	7.5	5.6	5.7	4.4	6.0	5.8	6.7	5.2	5.7	6.2
PPG-KB 1304	6.2	7.0	6.3	6.3	4.4	6.0	4.8	7.2	4.8	6.3	6.1
BARSERATI (BAR PP 110358)	6.2	6.7	6.3	6.9	5.0	6.8	4.8	6.7	5.0	5.9	6.1
BAR PP 7236V	6.3	6.5	5.5	6.7	5.4	7.5	4.7	6.1	5.0	6.1	6.1
J-3510	6.9	7.1	6.2	5.3	5.0	6.0	5.2	6.8	4.3	5.3	6.0
LTP-11-41	6.0	6.7	7.7	6.0	4.1	6.3	5.3	5.9	4.1	6.4	6.0
SKYE	6.6	6.9	5.3	6.4	5.0	6.0	4.3	5.5	5.4	4.9	6.0
PST-K11-118	6.6	6.5	5.9	6.3	4.7	6.2	5.0	5.4	4.4	5.8	6.0
PST-11-7	6.3	7.2	5.7	5.1	4.6	7.0	4.5	5.1	5.2	5.5	6.0
AFTER MIDNIGHT	7.6	7.9	4.6	4.4	5.1	7.0	4.4	5.4	4.4	4.6	6.0
NAI-13-9	6.4	7.2	5.6	5.6	4.8	7.2	4.9	5.7	3.9	5.1	6.0
DLFPS-340/3494	6.2	7.1	6.3	5.9	4.3	6.5	4.8	5.7	5.0	5.8	5.9
A10-280	6.2	6.3	5.7	5.7	5.1	6.6	4.8	6.8	5.4	6.5	5.9
A16-17	6.0	6.7	6.8	6.3	5.1	5.7	4.7	6.5	5.0	6.1	5.9
NAI-A16-3	6.7	6.7	6.1	6.3	4.9	6.4	5.4	5.6	4.7	4.9	5.9
NAI-13-14	6.9	7.5	5.9	4.7	3.9	6.3	5.2	5.7	4.6	5.0	5.9
BAR PP 79366	6.3	6.7	5.5	6.7	4.9	6.0	4.4	6.3	4.4	5.7	5.9
KH3492	6.6	6.9	6.2	6.0	4.3	7.2	5.0	4.8	5.0	5.9	5.9
MIDNIGHT	7.3	7.0	6.1	5.6	4.9	6.3	4.8	5.7	4.2	4.3	5.9
BAR PP 7309V	6.3	6.7	6.6	6.5	4.7	7.0	5.0	5.2	5.0	5.5	5.9
AKB3128	6.1	6.5	5.2	6.8	4.7	7.2	4.9	5.9	4.1	6.0	5.9
NAI-13-132	6.2	7.1	4.9	5.4	4.7	7.0	4.7	6.0	4.0	4.8	5.9
BAR PP 79494	6.8	6.7	5.9	5.6	4.7	7.2	5.0	5.0	4.6	4.8	5.9
A11-26	6.0	6.7	6.7	6.2	4.6	5.6	4.0	6.7	4.4	5.9	5.9
BAR PP 7K426	6.6	6.5	6.1	6.4	4.3	7.0	4.8	5.7	5.2	4.9	5.9
YELLOWSTONE (A12-7)	6.0	6.7	6.1	5.9	4.2	7.0	4.4	5.8	4.8	6.2	5.8
J-2726	6.2	6.9	5.7	4.9	4.5	5.7	4.6	5.3	4.6	5.0	5.8
A16-2	6.2	6.6	6.9	5.6	3.9	6.3	4.8	5.6	4.7	6.4	5.8
J-1319	6.8	7.2	6.8	4.8	4.0	5.5	4.2	5.5	4.4	4.4	5.8
BAR PP 71213	6.4	6.1	5.9	6.9	4.0	7.0	5.1	5.7	4.1	6.1	5.8
DLFPS-340/3552	5.8	6.5	6.5	5.5	4.7	5.5	4.7	5.7	5.4	6.0	5.8
A13-1	7.1	6.7	4.8	6.4	4.3	6.3	4.3	6.2	4.2	5.1	5.8
A11-40	5.7	6.9	5.7	6.6	4.1	6.7	4.2	5.4	3.4	6.4	5.8
DLFPS-340/3550	6.0	7.3	5.8	6.2	5.1	5.6	3.8	6.0	4.6	5.9	5.8
PPG-KB 1131	6.7	6.7	5.6	5.4	4.6	6.1	4.7	5.3	4.3	4.5	5.8

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2018 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AR1	CT1	IA1	MI1	NC1	ND1	NE1	NJ2	OK1	TN1	MEAN
DLFPS-340/3556	6.3	7.0	6.3	5.9	4.3	5.6	3.9	6.8	4.7	5.9	5.8
DLFPS-340/3500	6.4	6.5	5.4	6.6	3.2	6.2	4.1	6.2	4.3	5.8	5.7
A99-2897	6.4	6.0	5.2	5.6	3.8	6.3	4.6	6.6	4.7	5.6	5.7
SELWAY	6.2	6.3	6.1	6.1	4.7	6.2	5.4	3.8	4.2	5.8	5.7
BABE	6.3	6.2	5.8	5.9	3.9	7.2	5.1	4.5	4.4	6.6	5.7
BLUE DEVIL	6.8	6.7	4.9	5.4	4.8	5.5	4.8	5.3	4.4	5.3	5.7
PIVOT	5.9	5.7	5.4	5.4	4.0	6.7	4.5	5.3	3.7	6.1	5.7
PST-T14-39	7.1	5.7	6.1	5.8	4.6	6.7	4.3	5.3	3.7	4.9	5.7
PST-K15-172	6.0	6.1	6.2	6.3	4.1	5.8	4.3	5.9	4.0	5.1	5.7
A06-8	5.8	6.2	5.7	5.4	4.5	6.5	4.5	5.9	3.9	5.3	5.7
PROSPERITY	5.9	7.1	5.7	4.9	4.8	5.7	4.4	4.6	4.7	5.0	5.7
AKB3179	6.0	5.3	6.4	6.3	4.4	7.2	5.5	5.4	4.1	5.5	5.7
DLFPS-340/3551	5.8	6.1	6.3	5.2	4.8	5.5	4.1	5.9	5.3	6.4	5.7
PST-K13-141	6.2	6.2	6.1	5.8	4.9	6.3	5.0	5.3	4.1	5.8	5.7
DLFPS-340/3549	6.0	6.4	5.2	6.6	4.4	6.3	5.3	4.3	5.2	5.7	5.7
A16-7	6.8	6.7	5.4	5.4	4.2	5.7	4.1	4.5	5.0	5.5	5.6
DLFPS-340/3455	6.0	5.9	6.2	6.1	4.0	7.2	4.6	5.2	4.6	5.9	5.6
ORION (PST-K13-143)	6.6	5.7	6.7	6.0	3.6	6.3	4.9	3.8	4.2	5.3	5.6
AKB3241	6.7	5.6	5.7	5.8	3.8	7.2	4.8	5.2	4.0	4.9	5.6
DLFPS-340/3438	6.0	5.9	5.1	6.3	4.0	6.3	4.6	5.3	4.6	5.5	5.6
RAD-1776	5.6	5.7	5.5	6.7	3.8	7.0	4.8	3.8	4.9	5.2	5.6
DLFPS-340/3553	6.6	6.2	5.5	5.4	3.7	5.8	5.0	6.3	4.4	4.8	5.6
RAD 553	6.2	5.7	5.2	6.0	4.8	7.2	4.6	4.5	4.3	6.1	5.6
PST-K15-177	5.9	6.2	5.4	5.8	3.9	5.8	4.8	5.3	4.4	4.4	5.6
PST-K15-157	6.6	5.2	5.2	5.7	4.5	7.0	4.4	5.0	3.2	4.8	5.6
NAI-14-178	7.0	7.0	5.1	5.1	3.5	7.3	4.2	3.6	3.3	5.3	5.6
NAI-14-176	6.9	6.3	6.7	5.6	3.4	7.2	4.1	4.0	3.4	5.1	5.6
A15-6	6.2	6.8	6.1	5.8	4.7	5.5	3.5	4.4	5.0	5.7	5.6
PST-K13-139	6.9	5.9	5.7	5.9	4.1	6.2	4.6	3.8	4.2	6.2	5.6
A11-38	6.4	6.7	5.1	6.3	3.8	6.1	4.4	4.4	3.6	5.9	5.5
NAI-14-133	6.7	6.1	5.4	6.2	3.0	6.2	4.3	4.5	3.9	5.2	5.5
NAI-14-132	6.2	6.4	5.9	6.1	2.9	6.2	4.2	4.5	3.2	4.8	5.5
SHAMROCK	7.2	6.0	5.6	5.0	3.8	6.6	4.7	4.6	4.0	5.7	5.5
NAI-14-128	6.8	5.7	5.8	6.0	3.1	6.2	4.3	4.4	3.8	4.7	5.5
A16-1	6.2	5.9	5.9	6.0	3.9	6.4	4.9	3.9	4.4	5.8	5.5
PST-K15-167	6.0	5.1	5.3	4.8	4.4	6.8	4.9	4.6	4.2	5.3	5.5
DLFPS-340/3446	6.4	5.6	4.4	5.8	3.9	5.6	5.3	5.0	3.2	6.3	5.5
NAI-14-122	6.1	5.9	4.7	6.1	3.6	6.3	4.2	4.0	4.0	5.2	5.5
DLFPS-340/3444	5.9	6.5	5.3	5.4	4.3	5.9	4.5	3.5	4.8	4.9	5.4
MVS-130	6.4	5.8	4.8	6.1	3.4	6.2	3.6	4.6	4.1	5.7	5.4

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2018 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AR1	CT1	IA1	MI1	NC1	ND1	NE1	NJ2	OK1	TN1	MEAN
DLFPS-340/3548	6.0	5.7	4.9	6.0	4.2	6.3	4.4	5.0	5.0	5.0	5.4
NAI-15-84	6.2	6.2	5.1	5.6	3.5	6.3	4.3	4.1	4.0	5.7	5.4
NK-1	6.0	6.4	5.3	5.6	4.6	5.8	4.6	4.8	3.7	5.6	5.4
PPG-KB 1320	5.9	6.1	5.6	4.8	3.8	6.2	4.5	2.8	4.1	5.6	5.4
NAI-14-187	6.6	5.6	5.2	6.2	3.5	6.3	3.7	4.1	3.2	5.5	5.3
A12-34	5.9	5.9	5.0	5.8	3.9	6.2	4.5	4.8	3.7	5.2	5.3
NAI-15-80	6.2	5.5	5.3	6.0	3.1	7.5	4.0	4.9	3.3	4.5	5.3
KENBLUE	5.4	4.9	6.4	5.9	3.7	5.5	4.7	2.5	5.0	6.2	5.2
BLUE KNIGHT	6.3	6.2	4.9	4.5	3.0	5.8	3.8	2.2	2.9	4.1	4.8
DLFPS-340/3364	5.6	4.9	4.6	4.7	3.5	6.2	3.8	2.8	4.0	3.6	4.7
LSD VALUE	0.7	0.7	1.4	0.7	1.1	0.1	0.7	0.8	1.4	1.1	0.2
C.V. (%)	6.4	6.7	15.6	7.5	15.8	0.6	8.9	9.7	19.4	12.1	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.

3/ SCHEDULE A: MEDIUM MAINTENANCE
1.5-2.5 "MOWING HEIGHT, 3-4 LBS/N/1000 FT2/YEAR, IRRIGATION TO PREVENT STRESS OR DORMANCY.

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2018 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	IN1	KY1	MD1	MN1	UT1	MEAN
GO-22B23	6.4	6.8	6.2	6.6	6.9	6.6
J-2726	6.3	6.8	6.7	6.4	6.4	6.5
SKYE	6.6	6.6	6.5	6.3	6.5	6.5
GO-2425	6.0	6.8	6.3	6.3	6.9	6.5
NAI-13-14	6.6	6.9	6.6	5.2	6.9	6.4
J-1138	6.7	7.1	6.8	5.2	6.4	6.4
GO-2628	6.4	6.9	6.3	6.2	6.3	6.4
J-3510	6.6	7.0	6.4	5.6	6.6	6.4
NAI-14-132	6.1	6.3	6.8	6.4	6.3	6.4
J-1319	6.3	7.0	5.4	6.8	6.4	6.4
AFTER MIDNIGHT	6.0	6.8	6.7	6.3	6.2	6.4
MIDNIGHT	6.3	7.0	6.5	5.6	6.5	6.4
NAI-13-132	6.5	6.8	6.7	5.3	6.4	6.4
PST-K11-118	6.7	7.0	6.1	6.2	5.8	6.4
PPG-KB 1304	6.8	6.8	6.2	5.8	6.0	6.3
NAI-14-133	6.3	6.2	6.7	5.9	6.6	6.3
NAI-14-122	6.4	6.3	6.2	6.3	6.3	6.3
PROSPERITY	6.2	6.6	6.0	6.1	6.6	6.3
NAI-14-128	6.3	6.0	6.6	6.2	6.3	6.3
A06-8	6.5	6.5	5.7	6.6	6.2	6.3
PST-11-7	6.8	6.9	5.7	6.6	5.6	6.3
BAR PP 79494	6.5	6.7	6.7	5.4	6.1	6.3
NAI-13-9	6.8	7.0	6.4	4.7	6.6	6.3
NAI-14-176	6.3	6.2	6.4	5.7	6.4	6.2
BAR PP 79366	6.5	6.8	6.1	5.6	6.1	6.2
AKB3241	6.8	6.3	5.3	6.1	6.4	6.2
BARSERATI (BAR PP 110358)	6.8	7.0	6.1	5.4	5.5	6.2
DLFPS-340/3550	6.7	6.5	5.0	6.3	6.2	6.2
MVS-130	6.3	6.2	6.3	5.5	6.4	6.2
PST-K15-172	6.4	6.8	5.9	6.0	5.6	6.1
PPG-KB 1131	6.5	6.8	6.5	4.8	6.1	6.1
BARVETTE HGT®	6.4	6.8	5.7	5.4	6.3	6.1
NAI-A16-3	6.3	7.1	5.7	5.5	6.0	6.1
PST-K15-177	5.9	6.3	6.1	6.4	5.8	6.1
PST-K15-157	6.6	6.4	4.8	6.3	6.3	6.1
DLFPS-340/3494	6.1	6.9	5.0	6.2	6.3	6.1
A16-7	6.3	6.6	6.0	5.9	5.7	6.1
A11-26	6.6	6.3	5.3	6.1	6.0	6.1
NAI-14-187	5.9	6.3	5.9	6.2	6.1	6.1

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2018 DATA

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

NAME	IN1	KY1	MD1	MN1	UT1	MEAN
A13-1	6.6	6.2	5.1	6.0	6.3	6.0
DLFPS-340/3500	6.5	6.9	5.6	5.6	5.6	6.0
PST-T14-39	6.0	6.4	5.3	6.2	6.2	6.0
PST-K15-167	6.1	6.7	5.7	5.8	5.8	6.0
DLFPS-340/3552	6.5	6.5	4.9	5.6	6.6	6.0
NAI-14-178	5.4	6.5	5.9	6.3	5.8	6.0
A16-17	6.3	6.5	5.8	5.1	6.2	6.0
BLUE DEVIL	6.3	6.8	5.7	5.2	5.8	6.0
PIVOT	6.3	6.1	5.5	6.0	5.8	6.0
PPG-KB 1320	6.0	6.1	5.7	5.8	6.2	5.9
A11-40	6.3	6.4	6.1	4.9	5.9	5.9
A99-2897	6.7	6.8	4.5	5.6	6.1	5.9
DLFPS-340/3553	6.3	6.3	5.7	5.4	5.7	5.9
ORION (PST-K13-143)	6.3	6.6	4.4	5.6	6.8	5.9
SELWAY	6.2	6.5	5.0	5.3	6.5	5.9
AKB3128	6.4	6.5	5.2	5.8	5.7	5.9
YELLOWSTONE (A12-7)	6.4	6.2	5.1	5.6	6.1	5.9
BAR PP 7236V	6.4	6.8	5.3	4.9	6.0	5.9
LTP-11-41	6.2	6.8	4.9	5.1	6.2	5.9
DLFPS-340/3556	6.4	6.4	5.0	6.1	5.4	5.8
A10-280	6.7	7.0	4.1	5.7	5.7	5.8
AKB3179	6.8	6.4	4.3	5.9	5.7	5.8
A16-2	6.2	6.6	5.4	5.3	5.5	5.8
DLFPS-340/3551	6.5	5.8	4.7	5.7	6.2	5.8
DLFPS-340/3438	6.5	6.3	5.1	4.8	6.2	5.8
RAD-1776	6.4	6.3	4.9	4.9	6.3	5.8
DLFPS-340/3446	6.3	6.7	4.5	5.7	5.7	5.8
BABE	6.1	6.7	5.3	4.9	5.8	5.8
PST-K13-141	6.1	6.3	4.4	5.7	6.2	5.7
KH3492	6.1	6.5	5.5	4.8	5.7	5.7
A15-6	6.3	6.3	4.6	5.7	5.5	5.7
BAR PP 7K426	6.2	6.5	5.3	5.0	5.4	5.7
NAI-15-84	5.9	6.0	5.4	5.4	5.6	5.7
A11-38	6.1	6.6	4.3	5.6	5.7	5.7
PST-K13-139	5.9	6.7	4.7	5.3	5.7	5.7
NK-1	6.2	6.5	4.3	5.3	5.8	5.6
BAR PP 7309V	6.1	6.6	5.0	4.6	5.8	5.6
A16-1	5.9	6.5	5.7	4.4	5.2	5.5
DLFPS-340/3444	5.9	6.6	4.9	4.7	5.5	5.5
RAD 553	5.7	6.5	4.6	4.8	5.9	5.5

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2018 DATA

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

NAME	IN1	KY1	MD1	MN1	UT1	MEAN
SHAMROCK	6.1	6.1	4.6	4.9	5.8	5.5
DLFPS-340/3549	5.8	6.2	5.2	5.1	5.2	5.5
NAI-15-80	5.7	5.8	5.0	5.0	5.9	5.5
BAR PP 71213	6.3	6.5	5.1	4.6	4.8	5.5
A12-34	6.1	5.8	4.3	5.4	5.7	5.5
DLFPS-340/3548	5.7	6.3	4.8	4.9	5.6	5.5
DLFPS-340/3455	6.1	6.3	4.3	4.3	5.6	5.3
BLUE KNIGHT	4.9	5.7	4.7	4.5	5.9	5.1
DLFPS-340/3364	5.5	5.4	4.5	4.4	4.7	4.9
KENBLUE	5.2	6.0	3.8	3.6	5.2	4.8
LSD VALUE	0.5	0.4	0.9	0.7	0.7	0.3
C.V. (%)	5.4	3.8	9.7	8.3	7.0	6.9

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.

* SCHEDULE B: LOW MAINTENANCE
2.5-3.5" MOWING HEIGHT, 1LB.N/1000 FT²/YEAR, NO IRRIGATION AFTER ESTABLISHMENT (IN UTAH, 50-60% OF ETo)

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2018 DATA

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

NAME	CT1	NJ2	MEAN
GO-2425	7.5	6.7	7.1
PPG-KB 1304	7.0	7.2	7.1
J-3510	7.1	6.8	7.0
DLFPS-340/3556	7.0	6.8	6.9
GO-2628	7.2	6.5	6.8
J-1138	7.3	6.2	6.8
BARSERATI (BAR PP 110358)	6.7	6.7	6.7
A11-26	6.7	6.7	6.7
DLFPS-340/3550	7.3	6.0	6.6
AFTER MIDNIGHT	7.9	5.4	6.6
A16-17	6.7	6.5	6.6
NAI-13-14	7.5	5.7	6.6
GO-22B23	6.9	6.2	6.6
A10-280	6.3	6.8	6.6
NAI-13-132	7.1	6.0	6.5
BARVETTE HGT®	6.6	6.5	6.5
BAR PP 79366	6.7	6.3	6.5
A13-1	6.7	6.2	6.5
NAI-13-9	7.2	5.7	6.4
J-1319	7.2	5.5	6.4
DLFPS-340/3494	7.1	5.7	6.4
MIDNIGHT	7.0	5.7	6.4
DLFPS-340/3500	6.5	6.2	6.3
A99-2897	6.0	6.6	6.3
LTP-11-41	6.7	5.9	6.3
BAR PP 7236V	6.5	6.1	6.3
DLFPS-340/3553	6.2	6.3	6.2
YELLOWSTONE (A12-7)	6.7	5.8	6.2
AKB3128	6.5	5.9	6.2
SKYE	6.9	5.5	6.2
A11-40	6.9	5.4	6.2
PST-11-7	7.2	5.1	6.2
NAI-A16-3	6.7	5.6	6.2
J-2726	6.9	5.3	6.1
A16-2	6.6	5.6	6.1
BAR PP 7K426	6.5	5.7	6.1
DLFPS-340/3552	6.5	5.7	6.1
A06-8	6.2	5.9	6.1
PPG-KB 1131	6.7	5.3	6.0

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2018 DATA

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

NAME	CT1	NJ2	MEAN
PST-K15-172	6.1	5.9	6.0
BLUE DEVIL	6.7	5.3	6.0
DLFPS-340/3551	6.1	5.9	6.0
BAR PP 7309V	6.7	5.2	6.0
PST-K11-118	6.5	5.4	5.9
BAR PP 71213	6.1	5.7	5.9
KH3492	6.9	4.8	5.9
BAR PP 79494	6.7	5.0	5.8
PROSPERITY	7.1	4.6	5.8
PST-K13-141	6.2	5.3	5.8
PST-K15-177	6.2	5.3	5.7
A16-7	6.7	4.5	5.6
NK-1	6.4	4.8	5.6
DLFPS-340/3438	5.9	5.3	5.6
A15-6	6.8	4.4	5.6
A11-38	6.7	4.4	5.5
DLFPS-340/3455	5.9	5.2	5.5
PST-T14-39	5.7	5.3	5.5
NAI-14-132	6.4	4.5	5.5
PIVOT	5.7	5.3	5.5
AKB3241	5.6	5.2	5.4
DLFPS-340/3548	5.7	5.0	5.4
DLFPS-340/3549	6.4	4.3	5.3
A12-34	5.9	4.8	5.3
BABE	6.2	4.5	5.3
DLFPS-340/3446	5.6	5.0	5.3
AKB3179	5.3	5.4	5.3
SHAMROCK	6.0	4.6	5.3
NAI-14-178	7.0	3.6	5.3
NAI-14-133	6.1	4.5	5.3
MVS-130	5.8	4.6	5.2
NAI-15-80	5.5	4.9	5.2
NAI-14-176	6.3	4.0	5.2
NAI-15-84	6.2	4.1	5.1
RAD 553	5.7	4.5	5.1
PST-K15-157	5.2	5.0	5.1
SELWAY	6.3	3.8	5.1
NAI-14-128	5.7	4.4	5.0
DLFPS-340/3444	6.5	3.5	5.0
NAI-14-122	5.9	4.0	5.0

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2018 DATA

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

NAME	CT1	NJ2	MEAN
A16-1	5.9	3.9	4.9
PST-K13-139	5.9	3.8	4.9
NAI-14-187	5.6	4.1	4.8
PST-K15-167	5.1	4.6	4.8
RAD-1776	5.7	3.8	4.8
ORION (PST-K13-143)	5.7	3.8	4.7
PPG-KB 1320	6.1	2.8	4.4
BLUE KNIGHT	6.2	2.2	4.2
DLFPS-340/3364	4.9	2.8	3.8
KENBLUE	4.9	2.5	3.7
LSD VALUE	0.7	0.8	0.5
C.V. (%)	6.7	9.7	8.1

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 7. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE TRANSITION REGION
2018 DATA

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

NAME	AR1	KY1	MD1	NC1	OK1	TN1	MEAN
GO-2628	7.1	6.9	6.3	5.1	5.2	6.6	6.2
GO-22B23	6.9	6.8	6.2	4.9	5.3	6.1	6.0
J-1138	6.6	7.1	6.8	5.2	4.9	5.4	6.0
BARVETTE HGT®	6.7	6.8	5.7	5.1	5.9	5.6	5.9
GO-2425	7.2	6.8	6.3	4.4	5.2	5.7	5.9
AFTER MIDNIGHT	7.6	6.8	6.7	5.1	4.4	4.6	5.9
BARSERATI (BAR PP 110358)	6.2	7.0	6.1	5.0	5.0	5.9	5.9
SKYE	6.6	6.6	6.5	5.0	5.4	4.9	5.8
J-3510	6.9	7.0	6.4	5.0	4.3	5.3	5.8
BAR PP 7236V	6.3	6.8	5.3	5.4	5.0	6.1	5.8
PST-K11-118	6.6	7.0	6.1	4.7	4.4	5.8	5.8
PPG-KB 1304	6.2	6.8	6.2	4.4	4.8	6.3	5.8
A16-17	6.0	6.5	5.8	5.1	5.0	6.1	5.8
A10-280	6.2	7.0	4.1	5.1	5.4	6.5	5.7
PST-11-7	6.3	6.9	5.7	4.6	5.2	5.5	5.7
BAR PP 79366	6.3	6.8	6.1	4.9	4.4	5.7	5.7
BAR PP 79494	6.8	6.7	6.7	4.7	4.6	4.8	5.7
MIDNIGHT	7.3	7.0	6.5	4.9	4.2	4.3	5.7
A16-7	6.8	6.6	6.0	4.2	5.0	5.5	5.7
NAI-A16-3	6.7	7.1	5.7	4.9	4.7	4.9	5.6
NAI-13-14	6.9	6.9	6.6	3.9	4.6	5.0	5.6
BLUE DEVIL	6.8	6.8	5.7	4.8	4.4	5.3	5.6
J-2726	6.2	6.8	6.7	4.5	4.6	5.0	5.6
KH3492	6.6	6.5	5.5	4.3	5.0	5.9	5.6
NAI-13-9	6.4	7.0	6.4	4.8	3.9	5.1	5.6
PPG-KB 1131	6.7	6.8	6.5	4.6	4.3	4.5	5.6
NAI-13-132	6.2	6.8	6.7	4.7	4.0	4.8	5.6
DLFPS-340/3552	5.8	6.5	4.9	4.7	5.4	6.0	5.5
BABE	6.3	6.7	5.3	3.9	4.4	6.6	5.5
DLFPS-340/3494	6.2	6.9	5.0	4.3	5.0	5.8	5.5
BAR PP 7309V	6.3	6.6	5.0	4.7	5.0	5.5	5.5
DLFPS-340/3550	6.0	6.5	5.0	5.1	4.6	5.9	5.5
A16-2	6.2	6.6	5.4	3.9	4.7	6.4	5.5
PROSPERITY	5.9	6.6	6.0	4.8	4.7	5.0	5.5
DLFPS-340/3551	5.8	5.8	4.7	4.8	5.3	6.4	5.5
PST-K13-139	6.9	6.7	4.7	4.1	4.2	6.2	5.5
BAR PP 7K426	6.6	6.5	5.3	4.3	5.2	4.9	5.5
DLFPS-340/3549	6.0	6.2	5.2	4.4	5.2	5.7	5.5
AKB3128	6.1	6.5	5.2	4.7	4.1	6.0	5.4

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE TRANSITION REGION
2018 DATA

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

NAME	AR1	KY1	MD1	NC1	OK1	TN1	MEAN
DLFPS-340/3556	6.3	6.4	5.0	4.3	4.7	5.9	5.4
A15-6	6.2	6.3	4.6	4.7	5.0	5.7	5.4
RAD 553	6.2	6.5	4.6	4.8	4.3	6.1	5.4
A16-1	6.2	6.5	5.7	3.9	4.4	5.8	5.4
A11-26	6.0	6.3	5.3	4.6	4.4	5.9	5.4
SELWAY	6.2	6.5	5.0	4.7	4.2	5.8	5.4
YELLOWSTONE (A12-7)	6.0	6.2	5.1	4.2	4.8	6.2	5.4
DLFPS-340/3500	6.4	6.9	5.6	3.2	4.3	5.8	5.4
LTP-11-41	6.0	6.8	4.9	4.1	4.1	6.4	5.4
PST-K15-167	6.0	6.7	5.7	4.4	4.2	5.3	5.4
BAR PP 71213	6.4	6.5	5.1	4.0	4.1	6.1	5.4
MVS-130	6.4	6.2	6.3	3.4	4.1	5.7	5.4
A11-40	5.7	6.4	6.1	4.1	3.4	6.4	5.4
A13-1	7.1	6.2	5.1	4.3	4.2	5.1	5.3
PST-K15-172	6.0	6.8	5.9	4.1	4.0	5.1	5.3
PST-T14-39	7.1	6.4	5.3	4.6	3.7	4.9	5.3
J-1319	6.8	7.0	5.4	4.0	4.4	4.4	5.3
A99-2897	6.4	6.8	4.5	3.8	4.7	5.6	5.3
PST-K13-141	6.2	6.3	4.4	4.9	4.1	5.8	5.3
NAI-14-133	6.7	6.2	6.7	3.0	3.9	5.2	5.3
A06-8	5.8	6.5	5.7	4.5	3.9	5.3	5.3
NAI-14-178	7.0	6.5	5.9	3.5	3.3	5.3	5.3
DLFPS-340/3553	6.6	6.3	5.7	3.7	4.4	4.8	5.3
DLFPS-340/3444	5.9	6.6	4.9	4.3	4.8	4.9	5.2
NAI-14-176	6.9	6.2	6.4	3.4	3.4	5.1	5.2
NAI-14-122	6.1	6.3	6.2	3.6	4.0	5.2	5.2
SHAMROCK	7.2	6.1	4.6	3.8	4.0	5.7	5.2
DLFPS-340/3438	6.0	6.3	5.1	4.0	4.6	5.5	5.2
DLFPS-340/3548	6.0	6.3	4.8	4.2	5.0	5.0	5.2
PIVOT	5.9	6.1	5.5	4.0	3.7	6.1	5.2
PPG-KB 1320	5.9	6.1	5.7	3.8	4.1	5.6	5.2
PST-K15-177	5.9	6.3	6.1	3.9	4.4	4.4	5.2
NAI-14-128	6.8	6.0	6.6	3.1	3.8	4.7	5.2
AKB3241	6.7	6.3	5.3	3.8	4.0	4.9	5.2
DLFPS-340/3446	6.4	6.7	4.5	3.9	3.2	6.3	5.2
DLFPS-340/3455	6.0	6.3	4.3	4.0	4.6	5.9	5.2
NAI-14-187	6.6	6.3	5.9	3.5	3.2	5.5	5.1
NAI-15-84	6.2	6.0	5.4	3.5	4.0	5.7	5.1
ORION (PST-K13-143)	6.6	6.6	4.4	3.6	4.2	5.3	5.1
AKB3179	6.0	6.4	4.3	4.4	4.1	5.5	5.1

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE TRANSITION REGION
2018 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
	AR1	KY1	MD1	NC1	OK1	TN1	MEAN
A11-38	6.4	6.6	4.3	3.8	3.6	5.9	5.1
RAD-1776	5.6	6.3	4.9	3.8	4.9	5.2	5.1
NK-1	6.0	6.5	4.3	4.6	3.7	5.6	5.1
PST-K15-157	6.6	6.4	4.8	4.5	3.2	4.8	5.0
NAI-14-132	6.2	6.3	6.8	2.9	3.2	4.8	5.0
KENBLUE	5.4	6.0	3.8	3.7	5.0	6.2	5.0
A12-34	5.9	5.8	4.3	3.9	3.7	5.2	4.8
NAI-15-80	6.2	5.8	5.0	3.1	3.3	4.5	4.7
BLUE KNIGHT	6.3	5.7	4.7	3.0	2.9	4.1	4.4
DLFPS-340/3364	5.6	5.4	4.5	3.5	4.0	3.6	4.4
LSD VALUE	0.7	0.4	0.9	1.1	1.4	1.1	0.4
C.V. (%)	6.4	3.8	9.7	15.8	19.4	12.1	11.0

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 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
 GROWN AT SIX LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2018 DATA

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

NAME	IA1	IN1	MI1	MN1	ND1	NE1	MEAN
BARVETTE HGT®	7.1	6.4	6.9	5.4	7.0	5.5	6.4
AKB3179	6.4	6.8	6.3	5.9	7.2	5.5	6.4
BARSERATI (BAR PP 110358)	6.3	6.8	6.9	5.4	6.8	4.8	6.2
LTP-11-41	7.7	6.2	6.0	5.1	6.3	5.3	6.1
GO-2628	6.4	6.4	6.1	6.2	6.2	5.3	6.1
AKB3241	5.7	6.8	5.8	6.1	7.2	4.8	6.1
AKB3128	5.2	6.4	6.8	5.8	7.2	4.9	6.0
PST-K11-118	5.9	6.7	6.3	6.2	6.2	5.0	6.0
J-1138	5.9	6.7	5.9	5.2	7.0	5.5	6.0
NAI-A16-3	6.1	6.3	6.3	5.5	6.4	5.4	6.0
PPG-KB 1304	6.3	6.8	6.3	5.8	6.0	4.8	6.0
DLFPS-340/3494	6.3	6.1	5.9	6.2	6.5	4.8	6.0
BAR PP 71213	5.9	6.3	6.9	4.6	7.0	5.1	6.0
BAR PP 7309V	6.6	6.1	6.5	4.6	7.0	5.0	6.0
ORION (PST-K13-143)	6.7	6.3	6.0	5.6	6.3	4.9	6.0
BAR PP 7236V	5.5	6.4	6.7	4.9	7.5	4.7	6.0
NAI-14-176	6.7	6.3	5.6	5.7	7.2	4.1	5.9
PST-11-7	5.7	6.8	5.1	6.6	7.0	4.5	5.9
BAR PP 79494	5.9	6.5	5.6	5.4	7.2	5.0	5.9
GO-22B23	5.1	6.4	6.1	6.6	6.0	5.5	5.9
BAR PP 7K426	6.1	6.2	6.4	5.0	7.0	4.8	5.9
GO-2425	5.6	6.0	5.7	6.3	6.0	5.8	5.9
YELLOWSTONE (A12-7)	6.1	6.4	5.9	5.6	7.0	4.4	5.9
RAD-1776	5.5	6.4	6.7	4.9	7.0	4.8	5.9
KH3492	6.2	6.1	6.0	4.8	7.2	5.0	5.9
SELWAY	6.1	6.2	6.1	5.3	6.2	5.4	5.9
A06-8	5.7	6.5	5.4	6.6	6.5	4.5	5.9
PST-K15-157	5.2	6.6	5.7	6.3	7.0	4.4	5.9
A10-280	5.7	6.7	5.7	5.7	6.6	4.8	5.9
A11-26	6.7	6.6	6.2	6.1	5.6	4.0	5.9
A16-2	6.9	6.2	5.6	5.3	6.3	4.8	5.8
BABE	5.8	6.1	5.9	4.9	7.2	5.1	5.8
PST-K13-141	6.1	6.1	5.8	5.7	6.3	5.0	5.8
PST-T14-39	6.1	6.0	5.8	6.2	6.7	4.3	5.8
PST-K15-172	6.2	6.4	6.3	6.0	5.8	4.3	5.8
NAI-14-132	5.9	6.1	6.1	6.4	6.2	4.2	5.8
SKYE	5.3	6.6	6.4	6.3	6.0	4.3	5.8
NAI-14-128	5.8	6.3	6.0	6.2	6.2	4.3	5.8
J-3510	6.2	6.6	5.3	5.6	6.0	5.2	5.8

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
 GROWN AT SIX LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2018 DATA

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

NAME	IA1	IN1	MI1	MN1	ND1	NE1	MEAN
A16-17	6.8	6.3	6.3	5.1	5.7	4.7	5.8
BAR PP 79366	5.5	6.5	6.7	5.6	6.0	4.4	5.8
NAI-13-9	5.6	6.8	5.6	4.7	7.2	4.9	5.8
MIDNIGHT	6.1	6.3	5.6	5.6	6.3	4.8	5.8
DLFPS-340/3550	5.8	6.7	6.2	6.3	5.6	3.8	5.7
A11-40	5.7	6.3	6.6	4.9	6.7	4.2	5.7
J-1319	6.8	6.3	4.8	6.8	5.5	4.2	5.7
A13-1	4.8	6.6	6.4	6.0	6.3	4.3	5.7
DLFPS-340/3455	6.2	6.1	6.1	4.3	7.2	4.6	5.7
DLFPS-340/3500	5.4	6.5	6.6	5.6	6.2	4.1	5.7
DLFPS-340/3549	5.2	5.8	6.6	5.1	6.3	5.3	5.7
DLFPS-340/3552	6.5	6.5	5.5	5.6	5.5	4.7	5.7
NAI-14-133	5.4	6.3	6.2	5.9	6.2	4.3	5.7
PIVOT	5.4	6.3	5.4	6.0	6.7	4.5	5.7
PST-K15-177	5.4	5.9	5.8	6.4	5.8	4.8	5.7
DLFPS-340/3556	6.3	6.4	5.9	6.1	5.6	3.9	5.7
NAI-13-14	5.9	6.6	4.7	5.2	6.3	5.2	5.7
A99-2897	5.2	6.7	5.6	5.6	6.3	4.6	5.7
NAI-14-122	4.7	6.4	6.1	6.3	6.3	4.2	5.7
NAI-13-132	4.9	6.5	5.4	5.3	7.0	4.7	5.6
PST-K15-167	5.3	6.1	4.8	5.8	6.8	4.9	5.6
J-2726	5.7	6.3	4.9	6.4	5.7	4.6	5.6
DLFPS-340/3438	5.1	6.5	6.3	4.8	6.3	4.6	5.6
A11-38	5.1	6.1	6.3	5.6	6.1	4.4	5.6
A16-1	5.9	5.9	6.0	4.4	6.4	4.9	5.6
PST-K13-139	5.7	5.9	5.9	5.3	6.2	4.6	5.6
RAD 553	5.2	5.7	6.0	4.8	7.2	4.6	5.6
NAI-15-80	5.3	5.7	6.0	5.0	7.5	4.0	5.6
DLFPS-340/3553	5.5	6.3	5.4	5.4	5.8	5.0	5.6
NAI-14-187	5.2	5.9	6.2	6.2	6.3	3.7	5.6
DLFPS-340/3551	6.3	6.5	5.2	5.7	5.5	4.1	5.6
NAI-14-178	5.1	5.4	5.1	6.3	7.3	4.2	5.6
PPG-KB 1131	5.6	6.5	5.4	4.8	6.1	4.7	5.5
DLFPS-340/3446	4.4	6.3	5.8	5.7	5.6	5.3	5.5
A12-34	5.0	6.1	5.8	5.4	6.2	4.5	5.5
PROSPERITY	5.7	6.2	4.9	6.1	5.7	4.4	5.5
SHAMROCK	5.6	6.1	5.0	4.9	6.6	4.7	5.5
A15-6	6.1	6.3	5.8	5.7	5.5	3.5	5.5
NK-1	5.3	6.2	5.6	5.3	5.8	4.6	5.5
PPG-KB 1320	5.6	6.0	4.8	5.8	6.2	4.5	5.5

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
 (CONT'D) GROWN AT SIX LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2018 DATA

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

NAME	IA1	IN1	MI1	MN1	ND1	NE1	MEAN
A16-7	5.4	6.3	5.4	5.9	5.7	4.1	5.5
NAI-15-84	5.1	5.9	5.6	5.4	6.3	4.3	5.4
AFTER MIDNIGHT	4.6	6.0	4.4	6.3	7.0	4.4	5.4
MVS-130	4.8	6.3	6.1	5.5	6.2	3.6	5.4
DLFPS-340/3548	4.9	5.7	6.0	4.9	6.3	4.4	5.4
BLUE DEVIL	4.9	6.3	5.4	5.2	5.5	4.8	5.4
DLFPS-340/3444	5.3	5.9	5.4	4.7	5.9	4.5	5.3
KENBLUE	6.4	5.2	5.9	3.6	5.5	4.7	5.2
DLFPS-340/3364	4.6	5.5	4.7	4.4	6.2	3.8	4.9
BLUE KNIGHT	4.9	4.9	4.5	4.5	5.8	3.8	4.7
LSD VALUE	1.4	0.5	0.7	0.7	0.1	0.7	0.3
C.V. (%)	15.6	5.4	7.5	8.3	0.6	8.9	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 0.05).

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

TABLE 9. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH MONTH
 GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
 2018 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
GO-22B23	5.7	6.3	7.0	7.7	8.0	7.0	6.9
GO-2425	7.0	7.3	5.7	7.3	7.0	7.3	6.9
NAI-13-14	4.7	8.0	7.3	7.7	7.0	6.7	6.9
ORION (PST-K13-143)	6.3	7.3	6.7	6.3	7.0	7.0	6.8
DLFPS-340/3552	3.7	6.3	7.3	8.3	7.0	7.0	6.6
PROSPERITY	3.3	6.0	7.0	8.0	8.3	7.0	6.6
J-3510	4.7	7.3	6.0	7.7	7.0	6.7	6.6
NAI-13-9	4.3	6.3	6.3	8.3	7.3	6.7	6.6
NAI-14-133	4.0	6.3	7.0	8.3	7.7	6.0	6.6
MIDNIGHT	4.3	6.3	6.3	8.3	7.0	6.7	6.5
SELWAY	6.3	6.3	5.7	6.3	6.3	8.0	6.5
SKYE	7.0	6.3	5.3	7.0	6.7	6.7	6.5
AKB3241	4.3	5.7	6.7	7.7	7.3	7.0	6.4
J-1138	4.0	8.7	5.7	7.0	7.0	6.3	6.4
J-1319	4.0	7.3	6.7	6.7	7.7	6.0	6.4
J-2726	4.7	7.7	6.0	7.0	7.0	6.0	6.4
NAI-13-132	3.7	6.3	6.3	7.7	7.3	7.0	6.4
NAI-14-176	4.0	6.3	6.7	7.7	7.7	6.0	6.4
MVS-130	3.7	5.7	7.7	7.7	7.7	6.0	6.4
BARVETTE HGT®	6.7	6.0	4.7	6.7	6.3	7.7	6.3
NAI-14-122	3.7	5.7	6.3	8.0	8.0	6.3	6.3
PST-K15-157	5.3	6.7	5.3	6.7	7.3	6.7	6.3
RAD-1776	5.7	6.0	6.0	7.3	6.0	7.0	6.3
A13-1	5.7	6.3	5.3	6.7	8.0	5.7	6.3
DLFPS-340/3494	3.7	6.7	6.3	7.7	6.3	7.0	6.3
GO-2628	5.7	7.3	4.7	6.3	6.3	7.3	6.3
NAI-14-128	4.0	6.0	5.7	7.3	8.7	6.0	6.3
NAI-14-132	3.7	5.7	6.3	7.7	8.3	6.0	6.3
A16-17	6.0	5.3	6.0	7.0	6.0	7.0	6.2
DLFPS-340/3550	3.7	6.0	6.3	7.0	8.3	6.0	6.2
LTP-11-41	6.7	6.3	4.7	6.0	6.7	7.0	6.2
PST-K13-141	5.0	6.7	5.3	7.0	6.3	7.0	6.2
A06-8	3.3	6.7	6.3	7.7	7.3	6.0	6.2
DLFPS-340/3438	5.0	7.0	5.7	6.7	7.0	6.0	6.2
AFTER MIDNIGHT	4.7	7.7	5.3	6.0	7.3	6.0	6.2
DLFPS-340/3551	4.0	6.7	6.3	7.0	7.0	6.0	6.2
PPG-KB 1320	4.0	5.7	6.3	7.7	6.3	7.0	6.2
PST-T14-39	5.7	6.0	5.7	7.0	6.0	6.7	6.2
YELLOWSTONE (A12-7)	6.3	6.0	4.7	6.7	6.7	6.3	6.1

TABLE 9. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH MONTH
 CONT'D) GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
 2018 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
A99-2897	4.0	6.7	5.3	6.3	8.3	6.0	6.1
BAR PP 79366	4.0	5.7	5.7	7.3	7.3	6.3	6.1
NAI-14-187	3.3	5.3	6.7	8.7	7.0	5.3	6.1
PPG-KB 1131	4.3	6.3	5.7	7.0	6.7	6.3	6.1
BAR PP 79494	3.3	5.7	6.7	7.7	7.0	6.0	6.1
A11-26	5.3	6.3	5.0	6.3	6.3	6.7	6.0
BAR PP 7236V	6.7	4.7	4.3	7.0	6.7	6.7	6.0
NAI-A16-3	4.3	6.7	5.3	6.7	5.7	7.3	6.0
PPG-KB 1304	5.7	5.7	4.3	6.0	7.7	6.7	6.0
NAI-15-80	3.3	5.3	7.3	6.7	6.0	7.0	5.9
A11-40	6.3	5.3	4.3	6.0	6.7	7.0	5.9
BLUE KNIGHT	4.0	6.3	5.7	6.3	7.0	6.3	5.9
RAD 553	5.3	5.0	5.7	6.0	6.0	7.7	5.9
BABE	6.7	5.3	4.0	6.0	6.3	6.7	5.8
BLUE DEVIL	3.7	6.3	5.0	7.0	6.3	6.7	5.8
NAI-14-178	3.3	4.7	5.3	6.7	7.0	8.0	5.8
PIVOT	5.3	5.7	5.3	6.3	5.7	6.7	5.8
PST-K11-118	5.0	5.7	4.7	6.3	6.7	6.7	5.8
BAR PP 7309V	5.3	4.7	5.0	6.7	6.7	6.3	5.8
NK-1	4.3	6.3	5.3	5.7	7.0	6.0	5.8
PST-K15-167	4.3	6.3	4.7	6.3	7.0	6.0	5.8
PST-K15-177	3.0	5.3	5.7	7.0	7.0	6.7	5.8
SHAMROCK	6.0	6.0	4.3	5.7	6.3	6.3	5.8
AKB3179	4.3	6.3	4.3	5.3	6.7	7.3	5.7
DLFPS-340/3446	5.0	6.0	5.3	5.3	6.3	6.3	5.7
DLFPS-340/3553	5.3	6.3	3.7	6.0	7.0	6.0	5.7
PST-K13-139	4.3	5.7	4.7	6.0	6.7	7.0	5.7
A10-280	5.3	6.0	4.0	6.0	6.7	6.0	5.7
A11-38	4.7	5.0	5.0	6.3	6.7	6.3	5.7
A12-34	3.0	5.0	5.3	7.0	7.7	6.0	5.7
A16-7	4.3	6.0	5.3	6.0	6.3	6.0	5.7
AKB3128	4.3	6.0	5.0	5.7	6.0	7.0	5.7
KH3492	6.3	5.3	3.7	5.3	6.3	7.0	5.7
PST-11-7	4.7	5.7	4.7	6.0	6.7	6.0	5.6
DLFPS-340/3455	6.3	3.3	4.7	5.7	6.7	6.7	5.6
DLFPS-340/3500	3.3	5.0	4.7	7.3	6.7	6.3	5.6
NAI-15-84	4.3	5.3	5.3	6.3	6.0	6.0	5.6
PST-K15-172	4.7	5.3	5.0	6.7	5.7	6.0	5.6
DLFPS-340/3548	4.7	5.0	5.3	6.0	6.3	6.0	5.6
A15-6	3.7	5.3	5.3	6.0	6.7	6.0	5.5

TABLE 9. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH MONTH
 (CONT'D) GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
 2018 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
A16-2	5.0	4.7	4.3	6.3	6.0	6.7	5.5
BARSERATI (BAR PP 110358)	6.0	4.7	4.7	6.0	5.3	6.3	5.5
DLFPS-340/3444	5.7	5.0	4.3	5.7	6.3	6.0	5.5
BAR PP 7K426	4.7	4.7	4.3	6.3	6.3	6.3	5.4
DLFPS-340/3556	3.3	6.0	5.0	6.0	6.3	5.7	5.4
A16-1	4.7	5.0	3.3	5.3	6.0	6.7	5.2
DLFPS-340/3549	5.0	4.0	4.3	5.3	6.0	6.3	5.2
KENBLUE	6.3	3.7	3.3	5.0	5.3	7.3	5.2
BAR PP 71213	5.0	3.7	3.0	5.3	5.7	6.0	4.8
DLFPS-340/3364	2.7	4.0	4.0	6.0	6.0	5.7	4.7
LSD VALUE	1.3	1.6	1.6	1.7	1.3	0.7	0.7
C.V. (%)	17.6	16.5	18.2	16.2	11.5	7.2	7.0

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

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

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2018 DATA

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

NAME	PERCENT ESTABLISHMENT	PERCENT COVER APRIL	QUALITY NOVEMBER 2017	WEAR TOLERANCE RATINGS						QUALITY RATINGS					MEAN
				MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
NAI-14-178	50.0	86.7	4.3	7.0	6.3	6.3	6.0	7.0	7.0	6.7	6.7	6.7	6.0	6.0	6.5
BAR PP 7309V	83.3	91.7	6.7	7.0	6.3	6.3	6.7	6.3	7.0	6.3	6.0	6.0	5.3	5.3	6.1
NAI-13-9	80.0	95.0	5.7	7.0	6.0	6.3	7.0	6.0	5.7	6.0	6.0	6.3	6.0	5.7	6.1
PST-11-7	71.7	86.7	5.7	7.0	6.3	6.3	5.7	6.0	6.7	6.3	6.3	6.7	5.7	5.3	6.1
AFTER MIDNIGHT	83.3	90.0	5.7	7.0	6.3	6.7	6.3	6.0	6.7	6.0	5.3	6.3	5.7	5.3	6.0
BAR PP 71213	81.7	95.0	6.0	4.3	4.7	5.0	6.7	6.7	6.7	6.3	5.3	5.7	5.3	5.7	6.0
BAR PP 79494	75.0	91.7	5.3	6.0	5.3	5.3	6.3	6.7	5.3	6.0	6.0	6.0	6.0	5.7	6.0
GO-2628	80.0	91.7	5.7	8.0	6.3	6.7	6.7	5.7	5.7	6.7	6.0	6.0	6.0	5.3	6.0
J-1138	81.7	91.7	5.7	6.3	5.7	6.0	7.0	6.3	5.7	6.3	5.3	6.0	6.0	5.3	6.0
KH3492	81.7	90.0	5.3	6.7	6.0	6.3	6.7	6.7	5.7	6.0	5.7	6.3	6.0	5.0	6.0
NAI-13-14	71.7	91.7	5.3	7.0	5.7	6.0	6.7	6.3	5.7	6.0	5.7	6.0	6.0	5.7	6.0
A11-38	56.7	88.3	5.0	5.3	5.7	5.3	7.0	6.7	6.3	6.3	5.0	5.7	5.0	5.0	5.9
BAR PP 7236V	76.7	90.0	5.7	4.7	4.3	4.3	6.0	6.7	6.7	6.0	5.3	5.3	5.7	5.7	5.9
BLUE DEVIL	71.7	88.3	5.7	5.0	5.0	5.7	6.0	6.3	6.0	6.0	5.7	5.7	5.7	5.7	5.9
DLFPS-340/3494	70.0	86.7	5.0	6.7	6.7	6.3	6.3	5.7	6.0	6.3	5.7	5.7	5.7	5.7	5.9
J-1319	80.0	90.0	5.0	5.0	5.7	5.0	6.0	6.7	6.7	5.3	5.3	6.0	6.0	5.3	5.9
J-2726	71.7	91.7	6.0	6.7	6.3	6.0	6.7	5.7	5.7	6.3	5.7	5.7	6.0	5.7	5.9
LTP-11-41	76.7	93.3	6.3	7.0	6.7	6.7	7.0	5.3	4.7	6.3	6.0	6.3	6.0	5.7	5.9
NAI-13-132	73.3	93.3	6.0	6.3	5.7	5.7	6.7	6.0	5.3	6.3	5.3	6.0	5.7	5.7	5.9
PST-K11-118	66.7	90.0	6.0	4.7	4.3	4.3	6.3	6.3	5.7	6.0	5.3	6.3	6.0	5.3	5.9
BAR PP 7K426	81.7	93.3	6.0	6.0	5.7	5.7	6.3	5.3	6.3	6.0	5.7	6.0	5.3	5.7	5.8
DLFPS-340/3549	75.0	91.7	5.3	6.0	5.7	5.0	6.7	6.7	6.7	5.7	5.3	5.3	5.0	4.7	5.8
DLFPS-340/3551	70.0	85.0	5.0	5.3	5.3	5.3	5.3	6.7	7.0	6.0	5.7	5.3	5.0	5.3	5.8
GO-22B23	71.7	95.0	6.0	7.0	5.7	6.3	6.7	5.7	5.0	6.0	5.7	6.0	5.7	5.7	5.8
PPG-KB 1131	70.0	85.0	5.0	6.3	5.3	5.7	6.3	5.7	5.7	6.0	5.3	6.3	6.0	5.3	5.8
PROSPERITY	71.7	85.0	4.3	5.7	6.0	6.0	5.3	6.3	6.0	6.3	5.3	5.7	5.7	5.3	5.8
A11-40	73.3	93.3	6.0	5.0	5.3	5.0	6.0	5.7	5.7	6.0	5.3	6.0	5.7	5.0	5.7
BAR PP 79366	66.7	88.3	5.7	5.0	4.3	4.7	6.0	6.0	6.3	6.7	5.0	5.0	5.0	5.3	5.7
DLFPS-340/3444	78.3	88.3	5.3	6.3	5.7	6.0	6.0	6.0	5.3	5.3	6.0	6.3	5.3	5.0	5.7
DLFPS-340/3556	76.7	86.7	5.7	6.0	4.3	5.3	6.0	6.0	6.0	5.3	5.7	5.7	5.3	5.3	5.7
J-3510	78.3	90.0	5.3	5.7	5.3	5.7	6.7	6.0	5.3	5.7	5.3	5.7	5.7	5.3	5.7
PPG-KB 1304	70.0	91.7	6.0	5.0	5.0	4.7	5.7	6.0	6.3	5.7	5.7	5.7	5.3	5.0	5.7
YELLOWSTONE (A12-7)	70.0	90.0	5.7	5.7	6.3	6.0	6.0	6.3	6.7	5.7	5.3	5.3	4.7	4.7	5.6
A16-7	65.0	81.7	4.3	5.3	5.0	5.3	5.0	6.3	6.3	5.7	5.3	5.7	5.3	5.3	5.6
MIDNIGHT	71.7	91.7	5.7	6.3	5.0	6.0	6.3	6.0	5.7	5.3	5.3	5.7	5.3	5.3	5.6
A11-26	70.0	88.3	5.3	4.7	4.3	4.3	6.3	6.0	5.3	6.0	5.0	5.0	5.3	5.0	5.5
A15-6	66.7	86.7	5.7	6.0	5.3	6.0	5.3	5.3	6.3	5.3	5.7	5.7	5.3	5.3	5.5
AKB3128	81.7	88.3	5.0	4.7	4.7	4.3	5.7	6.3	6.0	5.3	5.3	5.3	5.0	5.0	5.5
GO-2425	76.7	91.7	5.3	7.3	6.0	6.3	6.7	5.7	5.0	5.3	5.0	5.7	5.3	5.0	5.5
PIVOT	80.0	90.0	6.0	5.0	5.3	5.3	6.0	5.7	6.0	5.3	5.3	5.3	5.0	5.0	5.5
PST-K13-141	80.0	88.3	5.7	4.7	4.3	5.0	5.7	6.7	6.3	6.0	4.7	5.3	5.0	4.7	5.5
PST-T14-39	63.3	88.3	5.0	4.7	4.3	4.3	6.0	6.0	6.7	5.3	5.0	5.0	5.0	5.3	5.5

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2018 DATA

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

NAME	PERCENT ESTABLISHMENT	PERCENT COVER APRIL	QUALITY NOVEMBER 2017	WEAR TOLERANCE RATINGS			QUALITY RATINGS							MEAN	
				MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
SKYE	71.7	90.0	5.0	6.3	5.3	5.7	6.3	5.7	5.3	5.3	5.3	5.7	5.3	5.3	5.5
A16-2	66.7	86.7	5.0	6.3	6.0	6.7	6.0	5.3	5.0	5.3	5.0	6.0	5.3	5.0	5.4
A99-2897	76.7	83.3	5.0	4.3	4.3	4.3	5.7	6.0	5.3	5.3	5.0	5.3	5.0	5.7	5.4
BABE	78.3	90.0	5.3	6.3	5.3	6.0	6.7	5.7	5.0	5.3	5.0	5.3	5.0	5.3	5.4
DLFPS-340/3500	53.3	83.3	4.7	5.3	3.7	5.0	5.3	5.7	6.0	5.7	5.0	5.3	5.3	5.0	5.4
NAI-A16-3	75.0	90.0	6.0	6.7	6.3	6.0	6.3	5.0	4.0	5.3	6.0	6.0	5.7	4.7	5.4
PST-K13-139	70.0	88.3	5.3	5.3	5.7	5.7	6.0	5.3	5.7	5.3	5.0	5.3	5.3	5.0	5.4
PST-K15-157	73.3	91.7	5.0	5.0	5.0	5.7	5.0	5.3	5.3	5.7	5.3	5.7	5.7	5.0	5.4
SHAMROCK	73.3	90.0	4.3	6.7	6.3	6.0	5.7	5.7	5.0	5.3	5.3	6.0	5.3	5.0	5.4
A06-8	53.3	81.7	4.7	5.3	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.7	5.3	5.3	5.3
A10-280	56.7	85.0	4.0	4.3	4.3	4.7	5.7	5.3	5.7	5.3	5.0	5.0	5.0	5.0	5.3
A13-1	71.7	90.0	6.0	4.7	4.0	4.0	5.3	5.7	5.7	5.0	5.0	5.0	5.3	5.0	5.3
A16-1	56.7	86.7	5.0	5.7	5.7	5.7	5.7	5.3	5.0	5.3	5.3	5.3	5.7	5.0	5.3
BARVETTE HGT®	78.3	91.7	5.3	5.3	5.3	5.3	6.7	5.7	6.0	4.7	5.0	5.0	4.7	4.3	5.3
BLUE KNIGHT	70.0	86.7	5.0	6.0	5.7	6.0	5.3	6.0	5.7	5.3	5.3	5.3	5.0	4.7	5.3
DLFPS-340/3446	71.7	86.7	5.7	4.3	4.0	4.0	5.3	6.0	5.7	5.3	5.0	5.0	4.7	5.0	5.3
DLFPS-340/3552	78.3	85.0	5.0	5.0	4.7	4.7	5.0	6.7	6.3	5.3	5.0	5.0	5.0	4.3	5.3
RAD 553	85.0	93.3	6.3	5.3	5.0	5.3	6.7	6.3	5.3	5.3	5.0	4.7	4.3	4.7	5.3
DLFPS-340/3550	68.3	86.7	5.0	4.0	3.7	4.3	4.7	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.2
NAI-15-84	61.7	78.3	4.7	4.0	4.7	4.0	5.7	5.7	5.3	5.0	5.0	5.0	5.0	4.7	5.2
PST-K15-167	70.0	81.7	4.3	4.7	5.0	4.7	5.3	6.0	6.7	5.0	5.0	5.0	4.3	4.0	5.2
PST-K15-172	73.3	86.7	5.3	5.0	5.0	4.3	6.3	5.7	5.3	4.3	5.0	5.0	5.0	5.0	5.2
A16-17	83.3	91.7	6.3	4.7	4.7	4.7	5.0	5.3	6.0	5.3	5.3	5.0	4.7	4.0	5.1
DLFPS-340/3455	80.0	95.0	6.0	4.0	4.0	4.3	6.0	5.3	6.3	5.7	4.7	5.0	4.0	4.0	5.1
KENBLUE	91.7	91.7	6.7	4.0	4.0	4.0	5.0	5.3	4.7	5.3	5.3	5.3	5.0	4.7	5.1
ORION (PST-K13-143)	68.3	90.0	5.7	5.0	4.7	4.7	5.7	5.7	5.3	5.0	4.7	5.0	4.7	4.7	5.1
PST-K15-177	70.0	83.3	4.3	6.0	5.7	5.0	4.7	5.7	5.7	5.7	5.0	5.0	4.7	4.7	5.1
RAD-1776	81.7	93.3	5.7	4.7	4.7	5.0	6.0	6.3	5.0	5.0	4.0	5.0	4.7	5.0	5.1
SELWAY	76.7	90.0	5.3	5.7	4.7	6.3	5.7	5.0	4.7	5.0	5.3	5.7	5.0	4.7	5.1
A12-34	55.0	75.0	4.0	3.7	3.0	3.7	4.7	5.3	5.7	5.3	5.0	5.0	5.0	4.3	5.0
DLFPS-340/3553	65.0	86.7	4.7	3.7	3.0	4.0	5.7	5.0	4.3	5.0	4.7	5.0	5.0	5.0	5.0
PPG-KB 1320	43.3	76.7	4.3	5.0	4.3	4.7	5.0	5.7	5.0	5.0	4.7	5.0	4.7	5.0	5.0
DLFPS-340/3438	66.7	86.7	5.0	3.3	4.0	4.0	5.0	6.3	5.7	4.0	4.3	4.3	4.7	5.0	4.9
DLFPS-340/3548	66.7	88.3	4.7	5.3	4.3	4.7	6.0	5.0	4.3	5.0	5.0	5.0	4.3	4.3	4.9
NAI-15-80	28.3	68.3	3.7	4.0	4.0	3.7	5.0	5.3	5.0	5.0	5.0	4.7	4.7	4.3	4.9
BARSERATI (BAR PP 110358)	80.0	91.7	5.0	2.7	3.3	2.7	5.7	5.0	4.7	4.7	4.0	4.7	4.7	5.0	4.8
AKB3241	53.3	80.0	4.0	3.7	3.3	4.0	5.3	5.0	4.3	5.0	4.7	5.0	4.0	3.7	4.6
DLFPS-340/3364	20.0	53.3	3.3	3.3	3.3	4.0	4.0	4.7	5.3	5.0	4.0	4.7	4.7	4.7	4.6
NK-1	73.3	83.3	4.3	3.0	3.3	3.0	4.0	5.0	5.0	5.0	4.7	5.0	4.3	4.0	4.6
MVS-130	66.7	76.7	5.0	5.0	5.3	5.0	5.3	4.3	4.3	4.3	5.0	4.0	4.3	4.3	4.5
NAI-14-132	63.3	78.3	5.0	5.0	5.3	5.0	5.7	4.3	4.3	4.3	4.7	4.3	4.0	4.0	4.5
AKB3179	58.3	78.3	3.7	2.0	2.7	2.7	5.0	6.0	5.3	4.0	3.3	4.0	3.7	3.7	4.4

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2018 DATA

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

NAME	PERCENT ESTABLISHMENT	PERCENT COVER APRIL	QUALITY NOVEMBER 2017	WEAR TOLERANCE RATINGS			QUALITY RATINGS							MEAN	
				MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
NAI-14-128	70.0	85.0	5.0	5.0	4.3	5.3	5.0	4.3	4.0	4.3	4.7	4.7	4.0	4.0	4.4
NAI-14-122	61.7	83.3	5.3	5.3	6.0	5.7	5.0	4.3	4.0	4.0	4.7	4.3	4.3	4.0	4.3
NAI-14-133	63.3	81.7	4.0	5.0	5.0	4.3	5.0	4.3	4.0	4.0	4.7	4.0	4.0	4.0	4.3
NAI-14-176	56.7	75.0	4.7	5.0	4.7	5.0	5.0	4.0	4.0	4.3	4.3	4.0	4.0	3.7	4.2
NAI-14-187	58.3	71.7	4.7	4.7	4.7	4.7	4.3	4.0	4.0	4.3	4.0	4.0	4.0	4.0	4.1
LSD VALUE	12.4	7.1	1.0	0.9	0.8	0.7	0.9	1.0	0.9	0.9	0.7	0.7	0.8	0.9	0.5
C.V. (%)	11.4	5.3	11.3	11.6	10.5	9.5	9.4	10.4	10.6	9.8	8.6	8.8	9.5	10.7	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.

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/									QUALITY RATINGS				
	QUALITY	QUALITY	QUALITY	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT						
	PRE	MID SEASON	2WK POST	GREEN	GREEN	BARE	GREEN	BARE	MAY	JUN	JUL	AUG	MEAN	
TRAFFIC	TRAFFIC	TRAFFIC	COVER	COVER	GROUND	COVER	GROUND							
OCTOBER	NOVEMBER	DECEMBER	PRE	POST	COVER	2 WEEKS	2 WEEKS							
			TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC							
DLFPS-340/3455	9.0	8.7	8.7	99	97.7	1.7	99.0	0.0	8.3	8.7	8.7	9.0	8.7	
GO-22B23	9.0	9.0	9.0	99	95.0	5.0	97.7	1.7	8.3	8.7	8.7	9.0	8.7	
LTP-11-41	9.0	9.0	9.0	99	97.7	1.7	99.0	0.0	8.3	8.7	8.7	9.0	8.7	
PIVOT	9.0	9.0	9.0	99	97.7	1.7	97.7	1.7	8.3	8.7	8.7	9.0	8.7	
RAD-1776	9.0	8.3	8.7	99	95.0	5.0	95.0	5.0	7.3	8.7	8.7	9.0	8.4	
BAR PP 7236V	9.0	8.7	8.7	99	93.3	6.7	97.7	1.7	7.7	8.0	8.3	9.0	8.3	
KENBLUE	9.0	8.7	8.7	99	95.0	5.0	97.7	1.7	8.0	8.0	8.3	9.0	8.3	
PPG-KB 1304	9.0	8.3	8.7	99	95.0	5.0	97.7	1.7	7.0	8.3	8.3	9.0	8.2	
BARVETTE HGT®	8.3	8.3	8.3	99	95.0	5.0	99.0	0.0	8.3	7.7	8.0	8.3	8.1	
GO-2628	8.7	8.0	8.3	99	93.3	6.7	97.7	1.7	7.0	8.3	8.3	8.7	8.1	
J-1138	9.0	8.0	8.7	99	91.7	8.3	95.0	5.0	6.0	8.7	8.7	9.0	8.1	
ORION (PST-K13-143)	8.7	8.3	8.3	99	93.3	6.7	96.0	3.3	7.3	8.0	8.3	8.7	8.1	
A11-40	8.7	8.0	8.3	99	95.0	5.0	95.0	5.0	6.7	8.3	8.3	8.7	8.0	
DLFPS-340/3438	8.7	8.0	8.3	99	94.7	5.0	97.7	1.7	6.7	8.3	8.3	8.7	8.0	
BAR PP 7K426	9.0	8.0	8.3	99	91.7	8.3	96.3	3.3	6.0	8.3	8.3	9.0	7.9	
SKYE	8.3	8.0	8.0	99	95.0	5.0	97.7	1.7	7.3	8.0	8.0	8.3	7.9	
BAR PP 71213	8.7	7.7	8.3	99	93.3	6.7	93.3	6.7	6.0	8.3	8.3	8.7	7.8	
BARSERATI (BAR PP 110358)	8.7	8.0	8.0	99	91.7	8.3	94.7	5.0	6.7	8.0	8.0	8.7	7.8	
SELWAY	8.7	8.0	8.0	99	95.0	5.0	96.3	3.3	6.7	7.7	8.0	8.7	7.8	
DLFPS-340/3444	8.3	8.0	8.0	99	96.3	3.3	97.7	1.7	7.3	7.3	7.7	8.3	7.7	
PST-11-7	8.3	7.7	8.0	99	93.3	6.7	96.3	3.3	6.3	8.0	8.0	8.3	7.7	
RAD 553	8.0	7.7	7.7	99	94.7	5.0	96.3	3.3	7.7	7.3	7.7	8.0	7.7	
YELLOWSTONE (A12-7)	8.7	8.0	8.0	99	93.3	6.7	95.0	5.0	6.3	7.7	7.7	8.7	7.6	
A13-1	8.7	7.7	8.0	99	91.7	8.3	95.0	5.0	5.7	8.0	7.7	8.7	7.5	
BAR PP 7309V	8.3	7.7	8.0	99	93.3	6.7	97.7	1.7	6.3	7.7	7.7	8.3	7.5	
GO-2425	8.0	7.3	7.7	99	91.7	8.3	93.3	6.7	6.7	7.7	7.7	8.0	7.5	
PPG-KB 1131	8.7	7.7	8.0	99	91.7	8.3	95.0	5.0	5.3	8.0	8.0	8.7	7.5	
DLFPS-340/3549	8.3	7.3	7.7	99	91.7	8.3	93.3	6.7	6.0	7.7	7.7	8.3	7.4	
NAI-A16-3	8.3	7.7	7.7	99	93.3	6.7	95.0	5.0	6.7	7.3	7.3	8.3	7.4	
PST-K11-118	8.3	7.7	7.7	99	90.0	10.0	91.7	8.3	6.0	7.7	7.7	8.3	7.4	
SHAMROCK	8.3	8.0	8.0	99	94.7	5.0	94.7	5.0	6.7	7.3	7.3	8.3	7.4	
DLFPS-340/3494	8.3	7.3	7.7	99	91.7	8.3	93.3	6.7	5.3	7.7	7.7	8.3	7.3	
DLFPS-340/3548	8.3	7.3	7.7	99	91.7	8.3	93.3	6.7	5.3	7.7	7.7	8.3	7.3	
KH3492	8.0	7.3	7.3	99	93.3	6.7	95.0	5.0	6.7	7.0	7.3	8.0	7.3	
PST-K13-139	8.3	7.3	7.7	99	93.3	6.7	95.0	5.0	5.7	7.7	7.3	8.3	7.3	
PST-K15-157	8.3	7.3	7.3	99	90.0	10.0	95.0	5.0	6.0	7.3	7.3	8.3	7.3	
A11-26	8.0	7.3	7.7	99	93.3	6.7	96.3	3.3	6.0	7.3	7.3	8.0	7.2	
A11-38	8.0	7.7	7.7	99	93.3	6.7	96.3	3.3	6.7	7.0	7.0	8.0	7.2	
A16-17	8.0	7.3	7.3	99	93.3	6.7	95.0	5.0	6.0	7.3	7.3	8.0	7.2	
A99-2897	8.3	7.3	7.3	99	91.7	8.3	95.0	5.0	5.7	7.3	7.3	8.3	7.2	
AFTER MIDNIGHT	8.3	7.3	7.3	99	91.7	8.3	95.0	5.0	5.7	7.3	7.3	8.3	7.2	
AKB3128	8.3	7.3	7.3	99	91.7	8.3	94.7	5.0	5.7	7.3	7.3	8.3	7.2	

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

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

NAME	QUALITY	QUALITY	QUALITY	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	MAY	JUN	JUL	AUG	MEAN
	PRE	MID SEASON	2WK POST	GREEN	GREEN	BARE	GREEN	BARE					
	TRAFFIC	TRAFFIC	TRAFFIC	COVER	COVER	GROUND	COVER	GROUND					
	OCTOBER	NOVEMBER	DECEMBER	PRE	POST	POST	2 WEEKS	2 WEEKS					
				TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC					
DLFPS-340/3553	8.0	7.3	7.3	99.0	95.0	5.0	95.0	5.0	6.0	7.3	7.3	8.0	7.2
PST-K15-172	8.3	7.3	7.3	99.0	93.3	6.7	93.3	6.7	5.7	7.3	7.3	8.3	7.2
A10-280	8.3	7.3	7.3	99.0	91.7	8.3	95.0	5.0	5.3	7.3	7.3	8.3	7.1
BLUE DEVIL	8.3	7.3	7.3	99.0	93.3	6.7	93.3	6.7	5.3	7.3	7.3	8.3	7.1
PPG-KB 1320	8.3	7.3	7.7	99.0	91.7	8.3	91.7	8.3	4.7	7.7	7.7	8.3	7.1
A16-2	8.0	7.3	7.3	99.0	90.0	10.0	93.3	6.7	6.0	7.0	7.0	8.0	7.0
NAI-13-9	8.0	7.0	7.3	99.0	91.7	8.3	93.3	6.7	5.3	7.3	7.3	8.0	7.0
PST-T14-39	8.3	7.3	7.3	99.0	95.0	5.0	95.0	5.0	5.0	7.3	7.3	8.3	7.0
A16-1	7.7	7.3	7.3	99.0	91.7	8.3	93.3	6.7	6.3	6.7	7.0	7.7	6.9
NAI-13-132	8.3	7.3	7.3	99.0	90.0	10.0	93.3	6.7	4.7	7.3	7.3	8.3	6.9
PST-K15-177	8.0	7.0	7.3	99.0	91.7	8.3	93.3	6.7	5.0	7.3	7.3	8.0	6.9
BABE	8.0	7.0	7.0	99.0	91.7	8.3	94.7	5.0	5.3	7.0	7.0	8.0	6.8
DLFPS-340/3500	8.0	7.0	7.3	99.0	93.3	6.7	93.3	6.7	4.7	7.3	7.0	8.0	6.8
MIDNIGHT	8.0	7.0	7.0	99.0	91.7	8.3	95.0	5.0	5.0	7.0	7.0	8.0	6.8
NAI-15-84	8.0	7.0	7.0	99.0	90.0	10.0	93.3	6.7	5.3	7.0	7.0	8.0	6.8
AKB3179	8.0	7.0	7.0	99.0	91.7	8.3	93.3	6.7	4.7	7.0	7.0	8.0	6.7
BAR PP 79366	8.0	7.0	7.0	99.0	91.7	8.3	93.3	6.7	4.7	7.0	7.0	8.0	6.7
DLFPS-340/3552	8.0	7.0	7.0	99.0	91.7	8.3	93.3	6.7	4.7	7.0	7.0	8.0	6.7
J-1319	7.7	7.0	7.0	99.0	91.7	8.3	95.0	5.0	5.7	6.7	6.7	7.7	6.7
NAI-14-132	8.0	7.0	7.0	99.0	90.0	10.0	91.7	8.3	4.7	7.0	7.0	8.0	6.7
DLFPS-340/3446	7.7	7.0	7.0	99.0	91.7	8.3	93.3	6.7	5.3	6.7	6.7	7.7	6.6
J-2726	8.0	7.0	7.3	99.0	88.3	11.7	91.7	8.3	4.0	7.3	7.0	8.0	6.6
NAI-14-122	8.0	7.0	7.0	99.0	88.3	11.7	93.3	6.7	4.3	7.0	7.0	8.0	6.6
NAI-14-178	8.0	7.0	7.0	99.0	88.3	11.7	90.0	10.0	4.3	7.0	7.0	8.0	6.6
NAI-15-80	8.0	7.0	7.0	99.0	90.0	10.0	95.0	5.0	4.3	7.0	7.0	8.0	6.6
PST-K15-167	8.0	7.0	7.0	99.0	90.0	10.0	95.0	5.0	4.3	7.0	7.0	8.0	6.6
A15-6	7.7	6.7	7.0	99.0	90.0	10.0	93.3	6.7	4.7	7.0	6.7	7.7	6.5
A16-7	7.7	7.0	7.0	94.3	81.7	18.3	87.3	12.7	4.3	6.7	7.0	7.7	6.4
J-3510	7.7	6.7	7.0	99.0	91.7	8.3	91.7	8.3	4.3	7.0	6.7	7.7	6.4
PROSPERITY	7.7	6.7	6.7	99.0	90.0	10.0	91.7	8.3	4.7	6.7	6.7	7.7	6.4
AKB3241	7.7	6.7	6.7	99.0	90.0	10.0	91.7	8.3	4.3	6.7	6.7	7.7	6.3
DLFPS-340/3364	7.7	6.7	6.7	99.0	90.0	10.0	93.3	6.7	4.3	6.3	6.7	7.7	6.3
MVS-130	7.7	6.3	6.7	99.0	88.3	11.7	91.7	8.3	4.0	7.0	6.7	7.7	6.3
NAI-13-14	7.7	6.7	6.7	99.0	88.3	11.7	91.7	8.3	4.3	6.7	6.7	7.7	6.3
NAI-14-128	7.7	6.7	6.7	96.0	83.3	16.7	88.3	11.7	4.0	6.7	6.7	7.7	6.3
NAI-14-133	7.7	6.7	6.7	99.0	90.0	10.0	93.3	6.7	4.3	6.7	6.7	7.7	6.3
A12-34	7.3	6.3	6.3	99.0	90.0	10.0	93.3	6.7	5.0	6.0	6.3	7.3	6.2
NAI-14-176	7.7	6.7	6.7	99.0	86.7	13.3	90.0	10.0	3.7	6.7	6.7	7.7	6.2
NK-1	7.3	6.7	6.7	99.0	90.0	10.0	95.0	5.0	4.7	6.3	6.3	7.3	6.2
DLFPS-340/3550	7.3	6.3	6.3	99.0	88.3	11.7	93.3	6.7	4.7	6.0	6.3	7.3	6.1
NAI-14-187	7.3	6.3	6.3	99.0	90.0	10.0	93.3	6.7	4.3	6.3	6.3	7.3	6.1
PST-K13-141	7.3	6.3	6.3	96.0	85.0	15.0	88.3	11.7	4.7	6.0	6.3	7.3	6.1

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

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

NAME NAME	QUALITY	QUALITY	QUALITY	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	MAY	JUN	JUL	AUG	MEAN
	PRE	MID SEASON	2WK POST	GREEN	GREEN	BARE	GREEN	BARE					
	TRAFFIC	TRAFFIC	TRAFFIC	COVER	COVER	GROUND	COVER	GROUND					
	OCTOBER	NOVEMBER	DECEMBER	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	MAY	JUN	JUL	AUG	MEAN
	QOCTPRET	QNOVTRF1	QDECTRF2	COVPTRF	COVTRF1	BARETRF1	COVTRF2	BARETRF2	MAY	JUN	JUL	AUG	MEAN
BAR PP 79494	7.3	6.3	6.3	99.0	86.7	13.3	91.7	8.3	4.3	6.0	6.3	7.3	6.0
BLUE KNIGHT	7.3	6.3	6.7	99.0	88.3	11.7	91.7	8.3	3.7	6.7	6.3	7.3	6.0
DLFPS-340/3551	7.3	6.3	6.3	97.7	88.3	11.7	90.0	10.0	4.3	6.0	6.3	7.3	6.0
DLFPS-340/3556	7.0	6.3	6.3	97.7	85.0	15.0	90.7	9.3	4.7	6.0	6.3	7.0	6.0
A06-8	7.0	6.3	6.3	92.7	81.7	18.3	86.7	13.3	3.7	6.0	6.3	7.0	5.8
LSD VALUE	2.4	1.7	2.0	6.9	6.9	7.0	6.9	6.8	2.0	2.5	2.1	2.4	1.7
C.V. (%)	9.6	11.4	12.3	1.7	3.9	43.0	3.4	57.8	20.7	13.5	12.3	9.6	12.2

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
AFTER MIDNIGHT	5.7	6.7	6.0	6.0	7.3	7.0	7.0	6.7	7.3	6.8
J-2726	6.3	6.0	6.0	6.0	6.7	6.7	6.3	7.0	6.7	6.4
KH3492	6.3	5.3	5.7	5.0	7.3	6.7	7.0	7.0	7.3	6.4
AKB3128	5.7	5.7	4.7	5.0	6.7	7.3	6.7	7.0	7.0	6.3
J-1319	7.0	5.7	6.0	5.3	6.7	6.3	6.7	6.7	6.7	6.3
NAI-13-132	6.3	5.7	5.3	5.3	7.3	6.3	6.7	6.7	6.7	6.3
NAI-13-14	6.0	5.3	5.7	5.3	6.3	7.0	6.7	7.0	7.0	6.3
NAI-13-9	5.3	5.7	6.0	4.7	6.7	6.3	7.0	7.0	7.3	6.3
NAI-14-128	5.7	5.7	5.3	5.0	6.7	7.0	6.7	7.0	7.3	6.3
BAR PP 79494	7.0	6.0	5.7	6.0	6.3	6.3	6.7	6.3	6.3	6.2
DLFPS-340/3500	7.3	5.0	5.3	6.0	7.0	6.3	7.0	6.3	6.7	6.2
DLFPS-340/3556	5.7	5.7	5.3	5.0	7.0	6.7	6.3	7.0	6.3	6.2
PIVOT	7.0	5.3	5.7	5.7	6.7	6.0	6.3	6.7	7.0	6.2
A06-8	6.3	5.0	5.0	6.0	6.3	6.3	7.0	6.7	6.3	6.1
A10-280	6.3	5.0	4.3	5.0	6.7	6.7	6.7	7.3	7.0	6.1
A16-2	5.0	5.0	5.3	4.7	6.7	6.3	7.0	7.0	6.7	6.1
J-3510	7.3	6.3	6.0	5.3	6.3	6.3	6.3	6.0	6.3	6.1
AKB3241	6.7	4.7	5.0	6.0	6.3	6.3	6.7	6.7	6.3	6.0
BAR PP 79366	7.0	5.3	5.3	5.0	6.7	6.3	6.3	6.3	6.7	6.0
BARSERATI (BAR PP 110358)	6.7	5.3	6.0	5.3	6.0	6.0	6.3	6.3	6.7	6.0
BARVETTE HGT®	8.0	5.3	4.7	5.3	6.7	6.3	6.3	6.7	6.3	6.0
DLFPS-340/3438	6.7	5.3	6.3	5.0	6.7	6.0	6.0	6.3	6.3	6.0
DLFPS-340/3444	6.7	5.3	6.3	5.0	6.3	6.0	6.0	6.3	6.7	6.0
DLFPS-340/3446	5.7	5.3	6.0	5.0	6.3	6.3	6.3	6.3	6.7	6.0
DLFPS-340/3455	6.0	6.0	6.0	4.7	6.3	6.3	6.3	6.3	6.0	6.0
GO-22B23	6.0	6.0	6.0	5.0	6.0	6.0	6.7	6.3	6.0	6.0
GO-2425	6.7	6.0	5.7	5.0	6.7	6.0	6.3	6.3	6.3	6.0
PST-11-7	6.7	5.0	5.3	5.0	6.3	6.3	6.3	7.0	7.0	6.0
A12-34	6.0	5.3	4.7	6.3	6.3	6.0	6.0	6.3	6.3	5.9
A15-6	8.0	5.7	5.0	5.7	6.3	6.0	6.0	6.0	6.7	5.9
A16-7	7.7	5.0	4.7	5.0	6.3	6.3	6.3	6.7	6.7	5.9
A99-2897	7.3	5.3	5.3	5.0	6.3	6.3	6.7	6.0	6.3	5.9
BAR PP 7K426	6.3	5.7	5.0	5.0	6.3	6.0	6.0	6.3	6.7	5.9
BLUE DEVIL	7.3	5.3	5.7	5.3	6.3	5.7	6.0	6.0	6.7	5.9
DLFPS-340/3494	6.3	5.3	5.0	5.7	6.0	6.0	6.3	6.3	6.7	5.9
DLFPS-340/3552	6.0	5.3	5.3	4.7	6.7	6.0	6.0	6.7	6.3	5.9
J-1138	4.7	5.7	5.7	4.3	6.3	6.0	6.3	6.3	6.7	5.9
NAI-14-176	7.0	5.7	4.7	5.3	6.3	6.0	6.3	6.3	6.7	5.9
NAI-14-187	7.0	5.7	5.3	4.7	6.3	6.0	6.3	6.0	7.0	5.9
PST-K11-118	8.0	5.3	5.7	5.7	6.0	6.0	6.0	6.0	6.3	5.9
PST-T14-39	6.7	5.0	5.0	5.7	6.3	6.3	6.0	6.0	7.0	5.9
A11-26	7.3	5.7	4.3	5.0	6.7	6.0	6.0	6.3	6.7	5.8

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS									MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
A13-1	5.7	4.7	4.7	6.3	6.0	5.7	6.3	6.0	6.3	5.8	
A16-1	6.3	4.7	5.7	4.7	6.3	6.0	6.0	6.0	6.7	5.8	
A16-17	6.3	4.7	5.3	5.0	6.7	6.0	6.3	5.7	6.3	5.8	
BABE	6.3	5.0	5.3	5.3	6.0	6.0	6.0	6.3	6.3	5.8	
BAR PP 71213	7.3	5.7	5.0	5.0	6.0	6.0	5.7	6.0	7.0	5.8	
BLUE KNIGHT	7.0	5.0	5.0	5.0	6.3	6.0	6.0	6.3	7.0	5.8	
DLFPS-340/3364	6.7	4.7	5.0	4.7	7.0	5.7	5.7	6.3	7.0	5.8	
DLFPS-340/3551	7.3	4.7	5.3	5.0	6.3	6.0	6.3	6.0	6.3	5.8	
GO-2628	6.0	4.3	5.3	4.7	6.0	6.0	7.0	6.7	6.3	5.8	
KENBLUE	6.3	5.0	4.7	5.0	6.3	6.0	6.0	6.0	7.0	5.8	
LTP-11-41	6.3	5.0	5.7	4.7	6.0	6.3	6.0	6.3	6.3	5.8	
NAI-14-132	7.0	5.0	5.0	5.7	6.0	6.0	6.0	6.7	6.3	5.8	
NAI-14-133	7.7	5.7	4.7	5.0	6.3	6.0	6.7	6.0	6.3	5.8	
NAI-14-178	7.3	4.7	4.7	5.3	6.3	6.0	6.3	6.7	6.3	5.8	
NK-1	7.3	5.0	4.7	5.3	6.3	6.3	6.3	6.3	6.3	5.8	
PPG-KB 1131	6.3	5.3	5.3	5.0	6.3	6.0	6.0	6.0	6.0	5.8	
PPG-KB 1304	6.0	4.7	4.7	5.0	6.7	6.0	6.0	6.7	6.7	5.8	
PPG-KB 1320	6.3	5.0	4.7	5.0	6.7	6.7	6.3	6.0	6.3	5.8	
PROSPERITY	6.7	5.0	5.0	5.0	6.0	6.0	6.0	6.7	7.0	5.8	
PST-K13-141	5.0	5.3	4.7	5.0	6.3	6.0	6.3	6.3	6.7	5.8	
PST-K15-172	6.0	5.0	4.7	5.3	6.0	6.0	6.0	6.7	6.3	5.8	
PST-K15-177	6.7	4.7	4.7	5.0	6.0	6.3	6.0	6.3	7.0	5.8	
RAD-1776	6.0	5.3	5.0	5.0	6.0	6.0	6.3	6.3	6.0	5.8	
SELWAY	6.7	4.7	5.3	5.0	6.7	6.0	6.3	6.3	6.3	5.8	
SKYE	6.3	5.3	5.0	4.3	6.0	6.3	6.3	6.3	6.3	5.8	
A11-38	6.0	4.7	5.0	5.3	6.3	6.0	6.0	6.3	6.0	5.7	
YELLOWSTONE (A12-7)	4.0	5.0	5.0	4.3	6.0	6.3	6.0	6.3	6.7	5.7	
AKB3179	6.3	4.3	4.3	5.0	6.3	6.0	6.3	6.3	6.7	5.7	
BAR PP 7236V	6.0	5.0	5.0	4.7	6.3	6.0	6.0	6.3	6.3	5.7	
BAR PP 7309V	6.7	4.7	5.7	5.0	6.0	6.0	6.3	6.0	6.0	5.7	
DLFPS-340/3549	6.7	5.3	4.7	5.0	6.0	6.0	6.7	5.7	6.3	5.7	
DLFPS-340/3550	5.7	5.0	5.0	4.7	6.0	6.0	6.3	6.3	6.3	5.7	
DLFPS-340/3553	6.0	5.0	5.0	4.7	6.0	6.0	6.0	6.0	6.7	5.7	
MVS-130	7.3	5.3	5.0	5.0	5.7	6.0	6.0	6.0	6.3	5.7	
NAI-14-122	5.7	5.0	4.7	4.7	6.0	6.0	6.0	6.7	6.3	5.7	
NAI-15-80	7.7	4.7	4.7	5.0	6.3	6.3	6.0	6.0	6.3	5.7	
NAI-15-84	7.3	5.0	4.7	5.0	6.7	5.7	5.7	6.3	6.7	5.7	
ORION (PST-K13-143)	7.3	5.0	4.3	5.7	6.0	6.0	6.0	6.3	6.3	5.7	
PST-K15-157	5.7	4.7	4.7	4.7	6.0	6.0	6.7	6.7	6.3	5.7	
PST-K15-167	6.3	4.7	5.3	5.0	6.0	6.0	6.0	6.3	6.3	5.7	
SHAMROCK	6.3	4.7	4.7	5.0	6.3	6.0	6.0	6.3	6.3	5.7	
A11-40	7.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	5.6	

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
MIDNIGHT	6.3	5.3	5.0	4.7	6.0	6.0	6.3	5.7	6.0	5.6
NAI-A16-3	5.3	4.0	5.0	4.3	6.0	6.3	6.3	6.7	6.3	5.6
PST-K13-139	6.7	4.7	5.3	5.0	6.0	6.0	6.0	5.7	6.0	5.6
RAD 553	5.7	4.7	4.7	4.7	6.0	6.3	6.0	6.0	6.7	5.6
DLFPS-340/3548	6.3	5.0	4.0	4.7	6.0	6.3	6.0	6.0	6.3	5.5
LSD VALUE	3.7	2.0	3.5	2.5	1.8	1.6	3.3	2.1	2.4	1.3
C.V. (%)	17.8	13.4	16.7	13.8	8.5	7.6	10.1	9.1	8.9	6.1

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

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

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT ESTABLISHMENT
				SPRING	SUMMER	FALL				
AFTER MIDNIGHT	7.3	6.3	6.0	28.3	35.0	16.7	7.0	7.0	7.0	50.0
J-2726	6.7	4.7	5.0	28.3	23.3	16.7	7.0	7.0	6.0	48.3
KH3492	5.7	5.3	6.0	20.0	31.7	25.0	6.7	7.0	7.0	36.7
AKB3128	5.7	5.3	5.3	18.3	31.7	18.3	7.3	7.7	7.0	40.0
J-1319	6.0	4.7	4.7	23.3	20.0	13.3	7.0	7.0	6.7	63.3
NAI-13-132	5.7	5.3	5.3	16.7	20.0	15.0	6.3	7.0	7.0	40.0
NAI-13-14	6.3	5.3	5.0	16.7	23.3	15.0	7.3	7.3	6.7	40.0
NAI-13-9	5.3	5.0	5.3	26.7	26.7	18.3	7.3	6.7	7.3	56.7
NAI-14-128	6.3	5.0	5.0	16.7	31.7	13.3	7.0	7.3	8.0	21.7
BAR PP 79494	5.7	4.7	5.0	8.3	18.3	11.7	7.0	6.0	6.0	23.3
DLFPS-340/3500	4.7	5.3	5.7	15.0	26.7	18.3	7.0	5.0	6.3	15.0
DLFPS-340/3556	6.3	4.7	5.3	20.0	28.3	11.7	6.3	6.7	5.3	36.7
PIVOT	6.7	5.0	4.7	23.3	16.7	13.3	6.7	6.3	6.7	46.7
A06-8	5.0	5.0	5.7	15.0	25.0	20.0	6.7	6.3	5.3	33.3
A10-280	5.3	4.7	4.7	10.0	26.7	21.7	6.7	6.0	7.3	25.0
A16-2	5.7	4.7	5.0	15.0	20.0	16.7	7.3	7.3	6.3	21.7
J-3510	5.7	4.0	4.3	13.3	15.0	10.0	7.7	5.3	6.7	43.3
AKB3241	5.0	4.7	4.3	11.7	21.7	11.7	7.3	6.3	5.7	31.7
BAR PP 79366	5.3	4.3	4.3	11.7	15.0	10.0	7.0	6.0	6.7	26.7
BARSERATI (BAR PP 110358)	5.7	4.3	4.0	15.0	10.0	8.3	6.7	7.0	7.0	43.3
BARVETTE HGT®	5.0	4.7	4.7	8.3	13.3	11.7	6.0	6.0	6.3	20.0
DLFPS-340/3438	5.7	4.3	4.3	13.3	10.0	8.3	6.3	6.0	7.0	43.3
DLFPS-340/3444	5.3	4.3	4.3	16.7	11.7	11.7	7.0	7.7	7.0	25.0
DLFPS-340/3446	6.0	4.7	5.0	20.0	21.7	13.3	6.7	4.7	6.0	40.0
DLFPS-340/3455	6.7	4.7	5.0	25.0	21.7	11.7	7.3	6.0	5.3	40.0
GO-22B23	6.7	4.7	5.0	25.0	20.0	11.7	7.3	6.3	5.3	46.7
GO-2425	6.0	4.3	5.0	13.3	16.7	13.3	7.0	5.3	6.7	38.3
PST-11-7	5.0	4.3	4.3	13.3	18.3	16.7	6.7	8.0	6.7	38.3
A12-34	5.0	4.3	4.7	8.3	16.7	11.7	6.0	6.0	5.7	11.7
A15-6	5.3	4.3	4.3	5.0	10.0	10.0	5.7	5.7	6.7	10.0
A16-7	4.7	4.7	4.0	6.7	10.0	10.0	8.0	7.3	7.7	11.7
A99-2897	5.0	4.3	4.7	16.7	13.3	15.0	7.0	6.0	5.7	28.3
BAR PP 7K426	6.0	5.0	4.3	18.3	13.3	11.7	7.0	6.7	6.7	23.3
BLUE DEVIL	5.0	4.7	4.3	11.7	8.3	10.0	6.3	6.7	7.3	36.7
DLFPS-340/3494	5.0	4.7	4.3	13.3	11.7	13.3	7.0	5.7	6.3	25.0
DLFPS-340/3552	5.0	4.3	4.3	10.0	15.0	6.7	6.7	6.7	5.7	38.3
J-1138	6.3	5.0	5.0	23.3	18.3	16.7	7.0	6.3	6.7	56.7
NAI-14-176	5.0	4.3	4.0	5.0	10.0	8.7	7.3	6.7	7.7	9.0
NAI-14-187	5.0	4.7	4.3	8.3	10.0	13.3	7.3	5.7	7.7	31.7
PST-K11-118	5.3	4.3	4.3	10.0	11.7	10.0	7.0	6.3	7.0	40.0
PST-T14-39	5.3	4.3	4.7	13.3	18.3	16.7	7.0	5.3	6.3	46.7
A11-26	5.0	4.3	4.7	8.3	10.0	10.0	5.0	7.0	7.0	15.0

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT ESTABLISHMENT
				SPRING	SUMMER	FALL				
A13-1	5.0	4.3	4.7	6.7	13.3	11.7	7.3	5.3	5.3	25.0
A16-1	5.0	4.0	4.3	10.0	11.7	10.0	6.3	7.0	7.0	18.3
A16-17	5.0	4.7	5.0	15.0	18.3	13.3	6.7	4.3	4.7	30.0
BABE	5.0	4.3	4.0	13.3	13.3	10.0	6.3	6.7	6.3	33.3
BAR PP 71213	5.0	4.3	5.0	6.7	10.0	11.7	6.3	6.0	7.3	25.0
BLUE KNIGHT	5.3	4.3	4.3	8.3	10.0	11.7	7.0	6.0	7.3	23.3
DLFPS-340/3364	5.0	5.0	4.7	10.0	5.0	11.7	4.7	6.7	7.3	20.0
DLFPS-340/3551	4.7	4.3	4.0	11.7	13.3	11.7	7.3	6.0	6.7	35.0
GO-2628	5.3	4.3	5.7	21.7	20.0	13.3	6.7	6.3	5.0	28.3
KENBLUE	5.0	4.7	4.0	8.3	10.0	15.0	5.7	5.7	7.3	28.3
LTP-11-41	6.0	4.7	4.3	16.7	13.3	8.3	6.3	6.0	6.7	51.7
NAI-14-132	5.0	4.3	4.0	8.3	10.0	5.0	7.0	7.0	6.7	20.0
NAI-14-133	5.0	4.7	4.3	6.7	11.7	6.7	7.3	6.0	7.0	11.7
NAI-14-178	4.7	4.3	4.0	5.0	11.7	8.3	7.0	7.3	6.0	8.3
NK-1	4.7	4.7	5.0	6.7	21.7	10.0	5.7	6.0	6.3	15.0
PPG-KB 1131	5.7	4.3	4.0	8.3	10.0	6.7	7.3	6.0	6.7	35.0
PPG-KB 1304	6.0	4.3	4.7	6.7	13.3	8.3	6.3	7.3	7.0	16.7
PPG-KB 1320	5.7	4.3	4.0	11.7	13.3	8.3	7.7	6.7	6.3	21.7
PROSPERITY	5.0	4.7	4.0	10.0	13.3	6.7	7.0	6.3	7.3	50.0
PST-K13-141	5.7	4.7	4.3	10.0	16.7	10.0	6.0	6.7	6.7	48.3
PST-K15-172	5.0	4.3	4.3	8.3	11.7	8.3	6.7	7.0	6.7	35.0
PST-K15-177	5.0	4.3	4.7	5.0	10.0	10.0	6.3	7.0	8.0	18.3
RAD-1776	5.3	5.0	5.3	8.3	13.3	10.0	6.0	6.0	5.3	46.7
SELWAY	5.3	5.0	4.0	16.7	10.0	8.3	7.0	6.7	6.7	40.0
SKYE	5.0	4.0	4.0	10.0	15.0	6.7	7.3	6.3	6.7	43.3
A11-38	4.7	4.3	4.0	8.3	8.3	6.7	6.7	5.7	6.0	10.0
YELLOWSTONE (A12-7)	5.0	4.3	4.3	8.3	11.7	8.3	6.3	6.3	7.3	18.3
AKB3179	4.7	4.3	4.7	5.0	10.0	10.0	6.0	6.7	7.0	20.0
BAR PP 7236V	4.7	4.7	4.7	13.3	10.0	8.3	5.7	6.0	5.7	28.3
BAR PP 7309V	5.3	4.7	4.3	20.0	18.3	11.7	7.0	4.7	5.0	35.0
DLFPS-340/3549	5.3	4.0	5.0	6.7	13.3	11.7	6.3	5.3	6.7	20.0
DLFPS-340/3550	5.3	4.3	4.0	7.3	15.0	8.3	7.3	6.7	6.7	18.3
DLFPS-340/3553	5.0	4.3	4.0	10.0	11.7	10.0	7.3	6.3	6.7	41.7
MVS-130	5.3	4.3	4.3	8.3	10.0	10.0	6.7	6.3	6.3	20.0
NAI-14-122	4.7	4.3	4.0	5.0	11.7	6.7	5.7	7.3	7.0	30.0
NAI-15-80	4.7	4.3	4.3	8.3	10.0	10.0	6.0	7.0	6.7	10.0
NAI-15-84	5.0	4.3	4.3	6.7	8.3	6.7	6.0	7.0	7.7	13.3
ORION (PST-K13-143)	4.3	4.3	4.7	5.0	13.3	8.3	5.7	6.7	6.3	58.3
PST-K15-157	5.0	4.0	4.0	5.0	10.0	6.7	8.0	6.7	7.3	30.0
PST-K15-167	5.7	4.0	4.0	11.7	8.3	5.0	6.7	7.0	7.0	31.7
SHAMROCK	5.7	4.0	4.0	6.7	11.7	11.7	7.0	6.0	6.3	30.0
A11-40	5.0	4.0	4.0	10.0	10.0	6.7	6.3	6.3	6.3	13.3

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2018 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	PERCENT ESTABLISHMENT
				SPRING	SUMMER	FALL				
MIDNIGHT	5.3	4.0	5.7	10.0	8.3	8.3	6.7	6.0	7.0	40.0
NAI-A16-3	4.7	4.7	4.7	21.7	18.3	13.3	7.0	6.3	6.0	43.3
PST-K13-139	4.7	4.0	4.0	8.3	13.3	6.7	6.7	4.3	6.0	16.7
RAD 553	5.0	4.3	4.7	13.3	20.0	8.3	6.0	5.0	7.0	36.7
DLFPS-340/3548	4.7	4.0	4.7	5.0	15.0	5.0	6.0	6.7	7.3	26.7
LSD VALUE	2.8	3.4	4.4	24.8	42.8	33.8	4.3	4.0	3.4	22.4
C.V. (%)	16.7	15.8	20.5	71.5	69.5	63.3	15.7	18.5	16.4	41.9

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 13.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	AR1	CT1	IA1	IN1	MI1	MN1	NC1	ND1	NE1	NJ2	OK1	TN1	UT1	MEAN
NAI-14-176	7.0	7.7	7.3	7.0	7.3	7.7	7.3	6.0	6.0	9.0	8.3	6.7	8.3	7.4
NAI-14-187	6.7	8.7	7.0	7.7	7.3	8.0	7.3	4.0	6.0	8.7	8.3	5.0	8.3	7.2
NAI-14-133	7.3	7.7	6.7	7.0	7.3	7.3	6.7	5.0	6.0	8.3	8.0	6.7	8.7	7.1
AFTER MIDNIGHT	7.7	7.3	6.0	8.0	7.0	7.7	8.3	5.0	5.7	9.0	8.0	6.0	6.3	7.1
MVS-130	6.7	8.3	6.0	7.0	7.3	7.7	7.7	5.0	6.0	8.7	8.0	6.3	7.0	7.1
NAI-14-122	6.3	8.0	7.0	7.0	8.0	8.0	7.7	5.3	5.7	8.0	7.7	4.3	7.7	7.0
NAI-14-132	6.3	7.0	7.3	7.3	7.3	7.0	7.3	4.3	5.7	9.0	8.7	5.3	8.0	7.0
J-1319	7.3	8.7	7.0	8.0	6.7	7.0	8.0	2.0	6.0	9.0	8.7	6.0	6.0	6.9
NAI-14-128	7.0	6.7	7.0	7.0	7.3	7.3	7.0	4.0	6.0	8.7	7.7	5.3	8.3	6.9
J-3510	7.0	7.0	6.0	7.7	7.0	6.0	6.7	5.0	5.0	8.0	8.0	6.3	6.7	6.6
NAI-13-9	6.7	7.7	6.0	8.0	7.0	6.0	7.0	6.0	5.7	7.3	7.7	5.3	6.0	6.6
BAR PP 79494	7.0	7.3	6.0	7.7	7.0	6.7	7.0	5.0	5.3	8.0	7.3	5.3	6.3	6.6
NAI-13-132	6.3	7.7	6.0	7.7	7.0	5.0	7.0	6.0	5.3	8.3	7.7	5.3	6.3	6.6
PROSPERITY	6.0	7.3	6.3	7.3	6.3	5.3	7.0	4.3	6.0	7.0	8.3	6.7	7.7	6.6
PPG-KB 1131	6.7	7.7	5.7	7.0	7.0	6.7	6.7	5.3	5.3	7.7	7.7	5.0	7.0	6.6
MIDNIGHT	7.7	7.0	6.0	8.0	7.0	6.3	6.7	5.3	5.0	7.3	7.3	5.7	5.7	6.5
PST-K15-157	7.0	7.0	6.7	7.0	7.0	6.7	6.3	5.7	5.3	8.7	7.3	5.3	5.0	6.5
PST-K15-177	6.0	6.7	7.3	7.0	7.3	5.7	7.0	4.0	5.7	8.7	8.0	4.7	7.0	6.5
PST-T14-39	7.3	6.7	7.0	7.0	7.0	7.0	6.3	5.7	5.0	7.0	7.3	6.0	5.3	6.5
PPG-KB 1304	6.3	6.0	7.0	7.3	7.3	5.0	7.3	4.7	5.0	7.7	8.0	7.0	5.7	6.5
A99-2897	6.7	6.7	6.0	7.0	6.3	6.0	6.7	5.0	5.3	8.7	8.0	5.7	6.0	6.5
J-1138	6.7	8.0	6.3	7.7	6.3	5.7	7.0	5.0	5.0	7.7	7.7	4.7	6.3	6.5
BLUE DEVIL	6.7	7.7	5.3	7.3	6.7	5.7	7.0	3.0	5.0	8.0	8.3	7.0	6.3	6.5
A11-26	6.0	6.7	7.3	7.0	7.3	6.3	6.7	4.7	5.3	7.0	7.0	6.7	5.0	6.4
DLFPS-340/3550	6.0	7.0	6.3	8.0	6.7	5.3	7.0	4.3	5.0	7.7	7.7	5.0	6.7	6.4
A12-34	6.3	6.3	5.0	7.3	7.0	5.0	7.0	5.0	5.0	8.0	8.0	6.3	6.3	6.4
NAI-13-14	7.0	7.0	6.0	7.3	6.3	6.0	7.0	5.0	5.3	7.3	7.7	5.3	5.3	6.4
A10-280	6.3	6.0	6.0	6.7	7.3	6.0	6.7	5.3	4.7	9.0	7.7	6.0	4.7	6.3
AKB3128	6.3	6.0	5.7	7.0	7.3	6.0	6.3	6.0	5.0	7.7	7.7	6.3	4.7	6.3
DLFPS-340/3364	7.7	5.0	5.3	7.3	7.0	5.0	7.0	5.3	5.7	7.7	8.0	4.0	6.7	6.3
GO-2628	7.3	7.0	7.0	6.7	6.3	4.0	6.3	5.0	5.0	7.0	7.3	6.7	6.0	6.3
DLFPS-340/3548	6.3	5.7	6.3	6.7	7.0	4.0	7.0	5.3	5.3	8.0	8.0	5.0	6.0	6.2
GO-2425	7.7	6.0	6.3	7.0	6.3	4.0	6.3	5.0	4.7	6.7	7.0	7.3	6.0	6.2
PST-K13-139	7.0	5.7	7.3	6.7	6.7	4.3	6.0	5.0	4.7	8.0	7.7	6.3	5.0	6.2
A15-6	6.0	5.7	7.0	7.0	6.7	6.0	6.7	3.0	5.3	8.0	6.7	7.3	4.7	6.2
PST-K15-167	6.0	6.3	5.7	7.0	6.7	5.3	6.7	5.3	5.0	5.7	8.0	6.0	6.3	6.2
A16-7	7.0	6.3	6.0	7.3	6.7	5.0	6.0	4.3	4.7	7.3	8.3	5.7	5.0	6.1
NAI-15-84	6.3	6.7	6.7	7.0	6.3	4.0	6.3	5.0	5.0	8.3	8.0	5.0	5.0	6.1
PPG-KB 1320	6.0	7.3	6.0	7.3	6.3	4.0	6.7	5.0	5.0	5.0	8.0	6.0	7.0	6.1
AKB3241	6.7	6.0	6.7	6.7	6.7	4.7	6.0	5.0	5.3	7.0	7.3	5.3	6.0	6.1
GO-22B23	7.3	6.3	5.3	7.0	6.3	4.0	6.3	5.3	4.7	6.0	7.3	7.0	5.7	6.1

TABLE 13.
(CONT'D)

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	AR1	CT1	IA1	IN1	MI1	MN1	NC1	ND1	NE1	NJ2	OK1	TN1	UT1	MEAN
PIVOT	6.0	6.7	6.3	7.0	6.7	5.0	6.7	5.3	5.0	6.0	7.7	6.0	4.3	6.1
DLFPS-340/3553	7.3	5.7	5.7	7.0	6.0	4.0	7.0	5.3	4.0	6.7	7.7	6.3	5.7	6.0
A06-8	6.3	6.3	6.0	7.0	6.7	4.7	7.0	5.3	5.0	6.7	6.7	5.0	5.7	6.0
J-2726	6.3	6.7	5.7	7.7	6.0	5.3	6.7	3.0	5.7	6.0	8.0	5.0	6.3	6.0
PST-K15-172	6.0	6.0	7.3	7.0	7.0	6.0	6.7	4.0	5.0	5.7	8.0	3.7	6.0	6.0
A13-1	7.0	5.7	6.0	7.0	7.3	3.3	6.3	5.0	5.7	7.7	7.0	5.0	5.0	6.0
DLFPS-340/3556	6.3	6.7	6.3	8.0	7.0	4.3	6.3	3.0	5.3	5.7	8.0	6.0	5.0	6.0
PST-K13-141	6.3	6.0	5.3	7.0	6.0	4.3	6.0	5.3	4.7	7.7	7.3	7.0	4.7	6.0
DLFPS-340/3446	6.3	5.7	5.3	6.7	6.3	5.3	6.7	4.0	5.0	7.7	7.7	5.7	5.3	6.0
DLFPS-340/3551	5.7	6.0	6.7	7.0	6.7	4.3	6.0	3.0	5.3	6.3	8.0	7.0	5.0	5.9
SKYE	6.7	6.3	5.3	6.7	6.3	4.3	6.7	5.0	5.0	6.7	7.3	5.7	5.0	5.9
DLFPS-340/3500	6.7	5.7	6.0	7.3	6.3	4.0	6.3	5.0	5.3	6.7	7.0	5.7	4.3	5.9
ORION (PST-K13-143)	6.7	6.0	7.0	6.7	7.0	5.7	6.0	4.7	4.7	6.0	7.7	3.7	4.7	5.9
LTP-11-41	6.0	6.3	7.0	7.0	6.0	2.7	6.0	4.0	4.3	7.3	7.3	7.0	5.3	5.9
PST-11-7	6.3	7.0	6.7	7.0	6.0	4.0	7.0	5.3	5.0	4.3	7.7	5.0	4.7	5.8
NK-1	6.7	5.7	5.0	7.0	6.0	5.3	6.0	4.0	4.7	7.3	7.7	5.7	4.7	5.8
DLFPS-340/3494	6.3	6.3	6.7	6.7	7.0	3.7	6.7	5.3	5.3	4.0	7.7	5.3	4.7	5.8
AKB3179	6.0	6.0	6.0	7.0	6.0	5.7	5.0	5.0	5.0	5.7	7.7	4.3	6.0	5.8
BLUE KNIGHT	6.7	6.7	5.0	7.7	6.3	5.0	6.3	3.0	5.3	6.0	7.7	5.3	4.0	5.8
DLFPS-340/3438	6.0	5.3	6.0	6.7	6.3	4.0	5.3	5.3	5.0	7.3	7.3	4.7	5.3	5.7
NAI-14-178	7.3	5.0	5.3	6.7	5.7	3.3	6.7	5.0	5.0	5.7	7.7	5.3	6.0	5.7
YELLOWSTONE (A12-7)	6.0	5.3	5.7	6.7	6.7	3.0	5.7	5.0	5.0	7.0	7.0	5.7	5.3	5.7
DLFPS-340/3552	5.7	6.3	6.3	7.3	5.7	4.7	5.3	4.0	5.0	6.0	7.7	5.3	4.3	5.7
BAR PP 79366	6.3	5.7	5.3	7.7	7.0	2.3	6.7	4.0	4.7	6.3	7.0	5.7	4.7	5.6
NAI-15-80	7.7	5.3	6.0	6.7	6.0	2.3	5.7	6.0	4.7	6.7	7.0	5.0	4.3	5.6
A16-2	6.7	6.0	6.3	6.3	6.0	3.0	6.0	5.3	4.0	6.0	7.3	7.0	3.0	5.6
KH3492	6.7	5.3	6.7	6.3	6.3	3.0	6.0	6.0	4.3	4.7	7.3	6.3	3.7	5.6
A11-38	6.7	5.0	5.3	6.7	6.3	3.3	5.3	5.0	4.7	5.0	7.3	6.0	5.7	5.6
NAI-A16-3	6.7	6.0	5.3	7.0	6.7	4.3	6.0	5.3	4.3	4.7	7.0	5.0	3.7	5.5
SHAMROCK	7.7	5.3	6.3	6.7	5.0	2.3	6.3	5.3	4.3	5.7	7.0	5.3	4.0	5.5
DLFPS-340/3444	6.3	6.0	5.3	6.3	6.0	3.3	6.3	5.0	4.7	4.7	8.0	5.3	3.7	5.5
PST-K11-118	6.7	5.0	6.7	7.0	6.7	3.3	6.0	4.7	4.7	3.7	6.0	6.0	4.7	5.5
A16-1	6.3	5.3	6.0	6.3	6.3	2.7	6.0	5.3	4.0	5.3	8.0	5.3	3.7	5.4
BAR PP 7K426	6.7	5.0	6.3	5.7	6.0	2.7	6.3	6.0	4.0	4.7	7.0	6.0	4.0	5.4
BABE	6.3	5.7	5.7	6.3	6.0	2.7	5.7	5.0	4.3	6.0	7.3	5.0	4.0	5.4
BARSERATI (BAR PP 110358)	6.3	5.3	7.0	7.0	6.0	3.0	6.0	5.7	4.7	3.3	6.7	5.3	3.7	5.4
RAD-1776	6.0	5.3	5.7	7.0	6.0	3.0	5.0	5.7	4.3	5.0	7.0	4.3	4.7	5.3
BARVETTE HGT®	6.7	5.0	7.3	6.0	6.0	2.7	5.7	6.0	4.0	4.0	6.3	5.0	4.3	5.3
DLFPS-340/3455	6.0	5.0	5.7	5.3	6.3	1.7	6.3	6.0	4.0	6.0	7.0	5.3	4.0	5.3
A11-40	6.0	5.3	6.0	6.3	6.0	1.3	6.0	6.0	4.0	6.0	7.0	4.3	4.0	5.3
BAR PP 7236V	5.3	5.7	6.0	6.3	6.0	2.3	6.0	6.0	4.7	3.3	6.3	6.0	4.0	5.2
SELWAY	6.0	6.3	6.3	6.3	6.0	3.0	6.7	3.0	4.3	4.0	6.7	5.7	3.3	5.2

TABLE 13.
(CONT'D)

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/													MEAN
	AR1	CT1	IA1	IN1	MI1	MN1	NC1	ND1	NE1	NJ2	OK1	TN1	UT1	
A16-17	6.0	4.7	6.7	7.0	6.0	1.0	6.0	4.0	4.3	4.0	7.0	6.0	3.7	5.1
BAR PP 7309V	6.3	4.7	5.0	6.0	6.0	2.3	6.3	6.0	4.0	4.7	7.0	4.0	4.0	5.1
DLFPS-340/3549	6.0	5.0	5.3	6.0	6.0	2.3	6.0	5.0	4.0	4.7	7.3	4.7	3.7	5.1
RAD 553	6.0	5.7	6.7	5.7	6.0	2.3	5.7	5.0	4.0	4.3	7.0	4.3	3.3	5.1
BAR PP 71213	6.7	5.0	6.3	6.0	6.0	1.7	5.0	5.0	4.3	2.0	7.3	6.3	3.7	5.0
KENBLUE	5.3	5.0	7.0	5.0	5.0	2.0	5.3	3.0	4.0	2.7	6.0	5.3	4.3	4.6
LSD VALUE	0.9	1.5	1.4	0.7	0.7	1.4	0.9	0.6	0.8	1.6	1.0	2.5	1.8	0.4
C.V. (%)	8.4	15.1	14.3	6.1	7.1	18.7	8.4	7.3	9.7	15.0	8.5	28.2	20.4	13.7

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

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

TABLE 14.

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MN1	NE1	TN1	MEAN
BARVETTE HGT®	7.7	7.0	5.7	5.0	6.3
A10-280	8.0	6.3	4.0	6.7	6.3
KENBLUE	6.7	7.7	5.3	5.0	6.2
A11-40	6.0	6.7	5.0	6.3	6.0
PPG-KB 1304	6.7	7.0	3.7	6.3	5.9
BAR PP 71213	7.3	5.0	5.0	5.7	5.8
DLFPS-340/3551	6.0	6.7	4.0	5.7	5.6
DLFPS-340/3446	5.3	6.3	4.0	6.7	5.6
BARSERATI (BAR PP 110358)	6.7	5.7	4.7	5.0	5.5
KH3492	6.0	5.7	5.0	5.3	5.5
A16-17	5.7	6.3	4.7	5.0	5.4
A99-2897	7.7	5.7	3.3	5.0	5.4
LTP-11-41	6.3	5.0	4.3	6.0	5.4
BABE	5.7	4.3	4.7	6.7	5.3
GO-2628	5.7	5.7	4.0	6.0	5.3
PST-K11-118	5.7	6.3	4.7	4.7	5.3
YELLOWSTONE (A12-7)	6.3	4.7	4.3	6.0	5.3
BAR PP 7236V	6.3	5.0	4.7	5.3	5.3
GO-22B23	5.7	6.0	4.0	5.3	5.3
NK-1	7.0	5.0	4.0	5.0	5.3
RAD-1776	5.3	6.7	4.7	4.3	5.3
AKB3128	6.3	4.7	4.3	5.3	5.2
SHAMROCK	6.0	6.0	4.3	4.3	5.2
DLFPS-340/3438	5.7	6.0	3.7	5.0	5.1
PST-11-7	6.3	5.0	3.0	6.0	5.1
RAD 553	5.7	4.3	4.3	6.0	5.1
SELWAY	5.3	5.3	5.3	4.3	5.1
A15-6	6.0	6.0	4.0	4.0	5.0
NAI-14-178	4.3	6.3	4.3	5.0	5.0
AKB3179	6.3	4.3	3.3	5.7	4.9
ORION (PST-K13-143)	5.7	5.3	3.3	5.3	4.9
PIVOT	5.3	6.0	3.7	4.7	4.9
A11-38	4.7	6.0	3.3	5.3	4.8
DLFPS-340/3552	6.0	4.7	3.7	5.0	4.8
PST-K13-141	6.0	5.7	4.0	3.7	4.8
A11-26	5.3	5.0	4.0	5.0	4.8
A16-2	5.3	5.0	4.0	5.0	4.8
BAR PP 7309V	6.3	3.3	4.7	5.0	4.8
DLFPS-340/3444	5.3	5.7	4.3	4.0	4.8
DLFPS-340/3455	5.3	5.0	3.7	5.3	4.8
GO-2425	4.0	5.7	4.7	4.7	4.8

TABLE 14.
(CONT'D)

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MN1	NE1	TN1	MEAN
DLFPS-340/3494	5.0	4.7	3.0	6.3	4.8
NAI-15-84	5.3	5.0	3.3	5.3	4.8
PPG-KB 1320	5.7	4.7	3.3	5.3	4.8
PST-K15-177	5.3	5.0	3.7	5.0	4.8
PST-T14-39	4.7	6.7	3.3	4.3	4.8
A13-1	6.0	5.7	3.3	3.7	4.7
A06-8	5.3	6.0	3.7	3.7	4.7
DLFPS-340/3550	6.3	4.3	3.0	5.0	4.7
SKYE	6.3	5.3	3.7	3.3	4.7
A16-1	5.7	3.7	4.3	4.7	4.6
DLFPS-340/3549	5.7	3.7	4.0	5.0	4.6
DLFPS-340/3500	5.7	4.7	3.7	4.3	4.6
NAI-14-122	5.0	4.3	3.7	5.3	4.6
A12-34	5.7	5.3	3.0	4.0	4.5
AKB3241	6.0	5.3	3.3	3.3	4.5
BAR PP 79366	5.7	4.7	3.7	4.0	4.5
NAI-15-80	6.0	5.7	3.3	3.0	4.5
NAI-A16-3	5.7	4.7	4.0	3.7	4.5
PST-K15-157	5.7	5.3	3.3	3.3	4.4
PROSPERITY	6.0	5.3	3.0	3.3	4.4
DLFPS-340/3553	4.7	6.0	4.0	2.7	4.3
DLFPS-340/3556	5.7	3.7	3.0	5.0	4.3
NAI-14-187	4.0	4.3	3.7	5.3	4.3
PST-K15-172	5.0	4.3	3.3	4.7	4.3
DLFPS-340/3548	4.7	5.0	3.7	3.7	4.3
MVS-130	5.0	5.0	3.3	3.7	4.3
PST-K13-139	4.0	4.3	3.3	5.3	4.3
NAI-14-176	5.0	4.7	3.3	3.7	4.2
A16-7	4.3	5.3	3.0	4.0	4.2
J-1319	5.3	5.0	3.3	3.0	4.2
BAR PP 7K426	6.3	3.7	3.7	2.7	4.1
NAI-13-14	5.7	4.3	3.0	3.0	4.0
NAI-14-132	4.7	4.7	3.3	3.3	4.0
NAI-14-133	5.0	4.0	3.7	3.3	4.0
BLUE DEVIL	5.3	4.3	3.0	3.0	3.9
J-2726	5.7	3.7	3.3	2.7	3.8
DLFPS-340/3364	4.3	5.0	3.3	2.7	3.8
NAI-13-132	5.3	4.3	3.0	2.7	3.8
NAI-14-128	5.0	4.3	3.0	3.0	3.8
AFTER MIDNIGHT	4.7	4.7	3.0	2.7	3.8
J-1138	5.0	3.0	3.3	3.7	3.8
J-3510	5.3	3.0	3.3	3.0	3.7

TABLE 14.
(CONT'D)

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MN1	NE1	TN1	MEAN
PST-K15-167	5.0	3.0	3.0	3.3	3.6
NAI-13-9	5.0	2.7	3.0	3.7	3.6
BAR PP 79494	4.7	3.7	3.0	2.7	3.5
MIDNIGHT	4.7	3.7	3.0	2.7	3.5
BLUE KNIGHT	3.7	4.7	3.0	2.3	3.4
PPG-KB 1131	5.3	3.0	3.0	2.0	3.3
LSD VALUE	1.4	1.4	0.8	2.7	0.8
C.V. (%)	15.3	16.9	13.9	37.2	22.4

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 15.

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	AR1	CT1	MI1	NC1	OK1	TN1	MEAN
KENBLUE	6.0	5.0	7.0	7.7	6.7	6.3	6.4
BARVETTE HGT®	6.7	4.3	6.7	7.0	7.3	6.3	6.4
RAD 553	6.7	4.3	7.0	7.7	6.7	6.0	6.4
NAI-14-178	6.7	4.7	6.3	7.7	6.0	6.7	6.3
SELWAY	6.7	3.7	6.7	8.0	6.7	6.3	6.3
NAI-15-80	5.7	5.7	6.3	7.7	6.0	6.3	6.3
NAI-14-187	6.7	6.3	5.7	7.0	6.3	5.7	6.3
NAI-14-132	6.0	6.0	6.0	7.0	6.7	5.7	6.2
A16-2	6.0	6.3	5.3	7.0	6.3	6.0	6.2
J-2726	6.0	6.3	6.0	6.7	6.3	5.7	6.2
KH3492	6.3	6.0	5.7	7.0	6.0	6.0	6.2
ORION (PST-K13-143)	6.3	5.7	5.7	7.7	6.3	5.3	6.2
BLUE DEVIL	6.7	6.0	5.3	7.0	5.7	6.0	6.1
GO-2425	6.7	4.7	5.7	7.0	6.7	6.0	6.1
A16-17	6.0	5.7	5.7	7.3	6.3	5.7	6.1
BABE	6.3	5.7	6.0	7.3	6.0	5.3	6.1
PST-T14-39	7.0	5.0	6.0	7.3	5.7	5.7	6.1
AKB3241	6.0	5.3	5.7	7.7	6.0	5.7	6.1
GO-22B23	6.7	4.7	6.0	7.0	6.0	6.0	6.1
MVS-130	6.0	6.0	5.7	7.0	5.7	6.0	6.1
PROSPERITY	5.7	6.0	5.7	7.0	6.0	6.0	6.1
PST-11-7	6.3	6.0	5.7	6.7	6.3	5.3	6.1
A11-26	6.0	5.3	6.0	7.3	6.3	5.3	6.1
J-3510	6.7	5.0	5.3	7.0	6.3	6.0	6.1
NAI-14-128	6.3	5.3	6.0	7.0	6.3	5.3	6.1
NAI-14-133	6.0	5.3	5.7	7.0	6.3	6.0	6.1
NAI-14-176	6.3	6.3	5.0	7.0	6.0	5.7	6.1
A13-1	6.7	6.0	5.0	7.0	5.7	5.7	6.0
AKB3179	6.0	5.0	5.7	8.0	5.7	5.7	6.0
DLFPS-340/3446	6.7	6.0	4.7	7.3	5.7	5.7	6.0
DLFPS-340/3494	6.3	6.0	5.3	7.0	5.7	5.7	6.0
DLFPS-340/3549	6.0	5.3	5.7	7.0	6.0	6.0	6.0
DLFPS-340/3550	6.0	6.0	5.3	7.0	5.7	6.0	6.0
NAI-13-14	6.7	5.0	5.7	7.0	5.7	6.0	6.0
NAI-13-9	6.0	5.7	5.7	7.0	5.7	6.0	6.0
PPG-KB 1320	5.7	6.0	6.3	7.0	5.3	5.7	6.0
PST-K13-139	6.7	5.3	6.0	7.3	5.7	5.0	6.0
PST-K13-141	6.0	5.3	6.3	7.0	5.3	6.0	6.0
RAD-1776	5.3	5.7	5.3	7.7	6.0	6.0	6.0
SKYE	6.3	5.0	5.7	6.7	6.0	6.3	6.0
A99-2897	6.0	6.0	4.7	7.0	5.7	6.3	5.9

TABLE 15.
(CONT'D)

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	AR1	CT1	MI1	NC1	OK1	TN1	MEAN
AFTER MIDNIGHT	6.7	6.0	5.0	6.7	6.3	5.0	5.9
BLUE KNIGHT	5.7	5.7	6.0	7.0	5.7	5.7	5.9
MIDNIGHT	7.3	4.7	5.7	6.7	6.3	5.0	5.9
A10-280	6.0	6.3	4.3	7.0	6.0	6.0	5.9
DLFPS-340/3552	5.7	5.7	4.7	7.3	6.3	6.0	5.9
J-1138	6.3	5.3	5.7	7.0	6.3	5.0	5.9
PPG-KB 1131	6.7	5.3	5.3	6.7	6.3	5.3	5.9
PST-K15-167	6.0	6.3	5.3	7.0	6.3	4.7	5.9
A11-38	6.0	4.7	5.0	7.7	6.0	6.0	5.9
BAR PP 79494	6.3	4.7	5.3	6.7	5.7	6.7	5.9
BARSERATI (BAR PP 110358)	6.0	5.3	5.7	6.7	6.0	5.7	5.9
GO-2628	6.7	4.7	5.7	7.0	6.0	5.3	5.9
PST-K15-157	6.0	5.7	5.0	7.3	5.7	5.7	5.9
DLFPS-340/3455	6.0	5.0	5.3	7.3	6.0	5.7	5.9
A16-1	6.0	5.0	5.3	7.0	6.3	5.3	5.8
A16-7	6.0	5.7	5.3	7.0	5.7	5.3	5.8
BAR PP 7236V	6.3	5.7	5.3	7.0	5.7	5.0	5.8
BAR PP 79366	6.3	5.0	5.0	7.0	6.0	5.7	5.8
BAR PP 7K426	6.0	5.0	5.3	7.0	6.0	5.7	5.8
J-1319	6.3	6.0	5.3	6.3	5.7	5.3	5.8
NAI-13-132	6.0	5.0	5.7	7.0	6.0	5.3	5.8
NAI-14-122	6.0	5.3	5.0	7.0	5.7	6.0	5.8
NAI-15-84	5.7	6.0	5.3	7.0	6.0	5.0	5.8
PST-K11-118	6.3	5.0	5.7	6.0	6.3	5.7	5.8
SHAMROCK	6.7	5.3	5.7	7.0	5.3	5.0	5.8
YELLOWSTONE (A12-7)	6.0	5.7	5.0	7.0	6.0	5.0	5.8
A11-40	5.3	5.0	6.0	7.3	5.0	6.0	5.8
LTP-11-41	6.0	4.3	6.0	7.0	6.0	5.3	5.8
PIVOT	5.3	6.0	5.3	7.0	6.3	4.7	5.8
AKB3128	5.7	5.3	5.7	7.3	5.7	4.7	5.7
BAR PP 71213	6.3	5.7	4.7	6.3	6.0	5.3	5.7
DLFPS-340/3553	6.0	6.0	4.3	7.0	5.7	5.3	5.7
NAI-A16-3	6.7	4.7	5.0	7.3	5.7	5.0	5.7
NK-1	5.7	5.7	4.7	7.0	5.7	5.7	5.7
PST-K15-177	5.7	6.0	5.0	7.0	5.7	5.0	5.7
BAR PP 7309V	6.3	5.0	5.0	7.3	6.0	4.7	5.7
PPG-KB 1304	6.0	5.3	4.7	7.0	5.3	6.0	5.7
A06-8	5.3	6.0	4.0	7.0	6.0	5.7	5.7
A12-34	5.3	6.3	4.3	7.0	5.3	5.7	5.7
A15-6	6.3	5.3	4.3	6.7	5.3	6.0	5.7
DLFPS-340/3364	4.7	7.3	4.7	7.0	5.3	5.0	5.7
DLFPS-340/3548	5.3	6.7	5.0	7.0	5.0	5.0	5.7

TABLE 15.
(CONT'D)

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	AR1	CT1	MI1	NC1	OK1	TN1	MEAN
DLFPS-340/3500	6.0	5.3	4.7	7.0	5.7	5.0	5.6
DLFPS-340/3444	5.7	5.0	5.0	7.0	5.7	5.0	5.6
DLFPS-340/3438	6.0	5.3	4.3	7.0	5.3	5.0	5.5
DLFPS-340/3551	5.3	5.3	4.0	7.0	5.7	5.7	5.5
DLFPS-340/3556	5.7	5.3	4.0	7.0	5.3	5.3	5.4
PST-K15-172	6.0	5.3	4.0	6.7	5.0	5.3	5.4
LSD VALUE	0.8	1.1	0.8	0.7	0.9	1.1	0.4
C.V. (%)	8.4	12.2	9.4	5.8	9.7	12.0	9.5

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

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

TABLE 16.

SEEDLING VIGOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	KY1	NC1	UT1	MEAN
GO-2628	5.7	5.7	6.0	6.0	5.8
BAR PP 7309V	6.0	5.0	6.7	5.0	5.7
KENBLUE	6.0	5.0	6.7	5.0	5.7
J-1138	6.0	5.0	5.7	5.7	5.6
SELWAY	5.3	4.7	6.3	6.0	5.6
BAR PP 7236V	5.0	5.3	5.7	6.0	5.5
DLFPS-340/3552	5.3	5.7	6.0	5.0	5.5
RAD-1776	5.7	5.3	5.7	5.0	5.4
GO-22B23	5.7	5.7	6.0	4.0	5.3
A16-17	5.3	5.0	6.0	5.0	5.3
DLFPS-340/3455	5.0	5.3	5.3	5.7	5.3
ORION (PST-K13-143)	5.0	5.0	5.3	6.0	5.3
LTP-11-41	4.7	5.7	5.7	5.0	5.3
SKYE	4.7	5.7	5.7	5.0	5.3
BARSERATI (BAR PP 110358)	5.0	5.7	6.0	4.0	5.2
J-3510	6.3	5.0	4.7	4.7	5.2
NAI-A16-3	4.7	5.3	6.0	4.7	5.2
PROSPERITY	5.0	5.0	5.7	5.0	5.2
A99-2897	6.3	5.0	4.0	5.0	5.1
DLFPS-340/3444	4.0	5.0	6.0	5.3	5.1
BABE	4.3	5.0	4.7	6.0	5.0
GO-2425	3.7	5.3	5.7	5.3	5.0
J-1319	6.0	4.3	5.0	4.7	5.0
KH3492	4.3	4.0	5.7	6.0	5.0
NAI-13-132	4.7	4.7	5.3	5.3	5.0
AKB3128	3.7	4.3	6.0	5.7	4.9
AFTER MIDNIGHT	4.0	5.0	5.3	5.3	4.9
NAI-13-14	5.7	4.7	4.3	4.7	4.8
PST-K11-118	4.7	4.7	6.3	3.7	4.8
PST-K15-172	5.3	4.7	4.7	4.7	4.8
BARVETTE HGT®	5.3	4.0	5.7	4.3	4.8
DLFPS-340/3446	3.3	6.0	4.7	5.3	4.8
DLFPS-340/3556	4.3	4.0	4.7	6.3	4.8
MIDNIGHT	4.0	4.7	5.3	5.3	4.8
NK-1	4.7	5.0	5.3	4.3	4.8
PST-K13-139	4.3	5.3	5.7	4.0	4.8
DLFPS-340/3438	5.3	4.7	4.3	4.7	4.8
DLFPS-340/3550	4.3	4.3	5.0	5.3	4.8
PIVOT	4.7	4.0	6.0	4.3	4.8
PPG-KB 1304	4.0	5.7	5.0	4.3	4.8
A16-2	4.0	5.0	5.0	4.7	4.7

TABLE 16.
(CONT'D)

SEEDLING VIGOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	KY1	NC1	UT1	MEAN
BLUE DEVIL	5.0	4.7	5.0	4.0	4.7
SHAMROCK	3.7	5.0	5.3	4.7	4.7
A06-8	4.3	4.7	5.7	3.7	4.6
RAD 553	4.7	4.7	5.3	3.7	4.6
A11-26	5.0	3.7	5.3	4.3	4.6
A15-6	3.7	5.0	5.3	4.3	4.6
A16-1	3.7	5.3	5.3	4.0	4.6
AKB3179	4.7	4.3	5.3	4.0	4.6
J-2726	4.3	4.0	5.3	4.7	4.6
PPG-KB 1131	5.7	4.3	4.3	4.0	4.6
NAI-13-9	4.0	4.7	4.7	4.7	4.5
YELLOWSTONE (A12-7)	5.0	4.0	5.0	4.0	4.5
BAR PP 71213	4.3	4.7	5.0	4.0	4.5
PST-11-7	4.7	4.7	4.7	4.0	4.5
PST-K15-167	4.0	5.0	4.7	4.3	4.5
NAI-14-133	5.3	5.0	4.3	3.3	4.5
A10-280	5.0	4.7	4.3	3.7	4.4
A11-40	4.0	5.0	4.7	4.0	4.4
BAR PP 79494	3.3	6.0	5.3	3.0	4.4
PST-K13-141	3.7	4.7	4.7	4.7	4.4
PST-T14-39	3.3	4.3	5.3	4.7	4.4
PST-K15-157	4.3	4.3	5.0	4.0	4.4
BAR PP 79366	4.0	5.0	5.7	2.7	4.3
A13-1	4.3	3.3	5.7	4.0	4.3
BAR PP 7K426	3.7	5.3	5.3	3.0	4.3
DLFPS-340/3494	4.7	4.3	4.3	4.0	4.3
DLFPS-340/3551	4.3	3.0	5.7	4.3	4.3
MVS-130	4.3	4.7	5.3	3.0	4.3
DLFPS-340/3549	3.7	3.3	5.7	4.3	4.3
DLFPS-340/3553	3.7	4.0	5.0	4.3	4.3
NAI-14-128	4.0	4.3	4.7	4.0	4.3
NAI-14-176	3.7	4.3	5.3	3.7	4.3
PPG-KB 1320	4.0	4.7	4.7	3.3	4.2
A11-38	3.7	5.0	5.0	2.7	4.1
DLFPS-340/3548	3.0	4.7	5.0	3.3	4.0
BLUE KNIGHT	3.7	3.3	5.0	3.7	3.9
NAI-15-84	3.0	4.0	5.3	3.0	3.8
AKB3241	4.0	3.7	4.7	2.7	3.8
A16-7	3.0	4.0	4.3	3.3	3.7
NAI-14-132	3.0	4.3	4.3	3.0	3.7
NAI-14-122	2.3	5.0	4.7	2.3	3.6
DLFPS-340/3500	4.0	3.7	4.0	2.7	3.6

TABLE 16.
(CONT'D)

SEEDLING VIGOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	KY1	NC1	UT1	MEAN
PST-K15-177	3.7	3.0	5.0	2.7	3.6
NAI-14-178	2.7	4.7	4.0	2.3	3.4
NAI-14-187	2.3	4.3	4.3	2.0	3.3
A12-34	2.7	3.0	4.3	2.0	3.0
NAI-15-80	3.0	2.7	4.3	1.7	2.9
DLFPS-340/3364	2.0	3.0	3.7	1.3	2.5
LSD VALUE	2.1	1.5	1.6	1.3	0.8
C.V. (%)	29.4	20.7	19.3	19.3	22.4

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 17.

 SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 2018 DATA

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

NAME	ND1	TN1	MEAN
BAR PP 7236V	6.0	7.7	6.8
GO-22B23	5.3	8.3	6.8
RAD 553	5.0	8.3	6.7
A11-40	6.0	7.3	6.7
KH3492	6.0	7.3	6.7
RAD-1776	6.0	7.3	6.7
AKB3128	6.0	7.0	6.5
AKB3179	5.0	8.0	6.5
DLFPS-340/3455	6.0	7.0	6.5
NAI-13-9	6.0	7.0	6.5
ORION (PST-K13-143)	5.0	8.0	6.5
PIVOT	5.3	7.7	6.5
PST-K13-139	5.0	8.0	6.5
A16-1	6.0	6.7	6.3
DLFPS-340/3548	5.7	7.0	6.3
NAI-14-176	6.0	6.7	6.3
PST-K15-157	6.0	6.7	6.3
PST-K15-167	6.0	6.7	6.3
PST-T14-39	6.0	6.7	6.3
GO-2425	4.7	7.7	6.2
KENBLUE	4.0	8.3	6.2
A10-280	5.3	7.0	6.2
A11-26	5.0	7.3	6.2
A99-2897	5.0	7.3	6.2
BABE	5.0	7.3	6.2
BAR PP 71213	5.0	7.3	6.2
BAR PP 7309V	6.0	6.3	6.2
BARSERATI (BAR PP 110358)	6.0	6.3	6.2
BARVETTE HGT®	6.0	6.3	6.2
J-1138	5.0	7.3	6.2
MIDNIGHT	6.0	6.3	6.2
PPG-KB 1304	5.0	7.3	6.2
PPG-KB 1320	6.0	6.3	6.2
PST-11-7	6.0	6.3	6.2
YELLOWSTONE (A12-7)	5.0	7.0	6.0
A16-17	5.0	7.0	6.0
A16-2	5.0	7.0	6.0
AFTER MIDNIGHT	5.0	7.0	6.0
DLFPS-340/3549	5.0	7.0	6.0
GO-2628	5.0	7.0	6.0
NAI-13-14	5.0	7.0	6.0

TABLE 17.
(CONT'D)

SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	ND1	TN1	MEAN
NAI-14-122	5.7	6.3	6.0
NAI-14-133	5.3	6.7	6.0
NAI-A16-3	5.7	6.3	6.0
SELWAY	4.0	8.0	6.0
A11-38	5.0	6.7	5.8
A16-7	5.0	6.7	5.8
BAR PP 79494	5.0	6.7	5.8
DLFPS-340/3438	5.7	6.0	5.8
DLFPS-340/3446	4.0	7.7	5.8
DLFPS-340/3551	5.0	6.7	5.8
J-3510	5.0	6.7	5.8
LTP-11-41	4.0	7.7	5.8
PST-K15-177	5.0	6.7	5.8
SHAMROCK	5.3	6.3	5.8
NAI-14-187	4.7	6.7	5.7
NAI-15-84	4.7	6.7	5.7
A06-8	6.0	5.3	5.7
AKB3241	5.0	6.3	5.7
BAR PP 7K426	6.0	5.3	5.7
MVS-130	5.0	6.3	5.7
NAI-15-80	6.0	5.3	5.7
PROSPERITY	5.0	6.3	5.7
PST-K11-118	5.0	6.3	5.7
PST-K13-141	5.0	6.3	5.7
SKYE	5.0	6.3	5.7
DLFPS-340/3494	5.0	6.0	5.5
DLFPS-340/3550	5.0	6.0	5.5
DLFPS-340/3553	5.0	6.0	5.5
NAI-14-128	5.0	6.0	5.5
A12-34	5.0	5.7	5.3
BAR PP 79366	4.0	6.7	5.3
DLFPS-340/3444	5.0	5.7	5.3
DLFPS-340/3500	5.0	5.7	5.3
NAI-13-132	5.0	5.7	5.3
NAI-14-132	4.3	6.3	5.3
PPG-KB 1131	5.3	5.3	5.3
NAI-14-178	4.7	5.7	5.2
A13-1	5.0	5.3	5.2
PST-K15-172	5.0	5.3	5.2
A15-6	4.0	6.0	5.0
DLFPS-340/3552	4.0	6.0	5.0
DLFPS-340/3556	4.0	6.0	5.0

TABLE 17.
(CONT'D)

SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	ND1	TN1	MEAN
BLUE DEVIL	3.3	6.0	4.7
J-2726	3.0	6.3	4.7
NK-1	4.0	5.3	4.7
BLUE KNIGHT	3.0	6.0	4.5
DLFPS-340/3364	5.0	4.0	4.5
J-1319	3.0	6.0	4.5
LSD VALUE	0.4	1.8	0.9
C.V. (%)	4.8	17.2	14.1

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

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

TABLE 18.

SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	ND1	TN1	MEAN
AKB3179	6.3	7	3.7	5.7
BAR PP 7236V	6.7	7	3.3	5.7
BARVETTE HGT®	6.3	7	3.7	5.7
J-1138	6.3	7	3.7	5.7
NAI-13-9	6.0	7	4.0	5.7
AFTER MIDNIGHT	6.0	7	3.7	5.6
DLFPS-340/3549	6.7	6	4.0	5.6
BAR PP 79494	5.7	7	3.7	5.4
GO-22B23	6.7	6	3.7	5.4
GO-2425	6.3	6	4.0	5.4
RAD 553	6.0	7	3.3	5.4
SELWAY	6.3	6	4.0	5.4
J-3510	6.3	6	3.7	5.3
SKYE	7.0	6	3.0	5.3
YELLOWSTONE (A12-7)	5.7	7	3.0	5.2
BAR PP 7K426	5.7	7	3.0	5.2
J-2726	6.0	6	3.7	5.2
NAI-13-132	5.3	7	3.3	5.2
PST-11-7	6.0	7	2.7	5.2
BAR PP 71213	5.0	7	3.3	5.1
BARSERATI (BAR PP 110358)	5.7	7	2.7	5.1
DLFPS-340/3455	4.7	7	3.7	5.1
DLFPS-340/3548	5.7	6	3.7	5.1
GO-2628	6.0	6	3.3	5.1
MIDNIGHT	6.7	6	2.7	5.1
PST-K15-167	5.7	7	2.7	5.1
BAR PP 7309V	5.3	7	3.0	5.1
KH3492	6.3	6	3.0	5.1
A10-280	6.7	6	2.3	5.0
DLFPS-340/3550	6.0	6	3.0	5.0
DLFPS-340/3552	6.0	6	3.0	5.0
AKB3128	5.3	7	2.7	5.0
NAI-A16-3	6.3	6	2.7	5.0
PROSPERITY	6.3	6	2.7	5.0
PST-K15-157	5.3	7	2.7	5.0
NAI-15-84	4.7	6	4.0	4.9
A16-17	7.0	6	1.7	4.9
AKB3241	4.3	7	3.3	4.9
DLFPS-340/3438	6.0	6	2.7	4.9
DLFPS-340/3494	5.3	6	3.3	4.9
NAI-14-178	4.0	7	3.7	4.9

TABLE 18.
(CONT'D)

SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	ND1	TN1	MEAN
NAI-14-187	5.0	6	3.7	4.9
PPG-KB 1304	6.0	6	2.7	4.9
PST-K11-118	6.3	6	2.3	4.9
A06-8	5.3	7	2.0	4.8
A11-40	5.3	6	3.0	4.8
BABE	4.7	7	2.7	4.8
BLUE DEVIL	6.0	5	3.3	4.8
MVS-130	5.0	6	3.3	4.8
NAI-15-80	4.0	7	3.3	4.8
PST-K13-141	6.3	6	2.0	4.8
PST-K15-172	5.7	6	2.7	4.8
RAD-1776	4.7	7	2.7	4.8
A11-38	5.0	6	3.0	4.7
A15-6	6.0	6	2.0	4.7
DLFPS-340/3553	4.7	6	3.3	4.7
LTP-11-41	4.7	6	3.3	4.7
NAI-14-176	4.7	6	3.3	4.7
PIVOT	4.7	6	3.3	4.7
DLFPS-340/3551	5.3	6	2.7	4.7
PST-T14-39	6.3	6	1.7	4.7
DLFPS-340/3444	5.7	5	3.0	4.6
NK-1	5.7	5	3.0	4.6
PPG-KB 1320	4.7	6	3.0	4.6
A13-1	4.0	6	3.7	4.6
NAI-14-122	4.0	6	3.7	4.6
NAI-14-128	3.7	6	4.0	4.6
A11-26	5.0	6	2.3	4.4
BAR PP 79366	5.7	5	2.7	4.4
ORION (PST-K13-143)	4.0	6	3.3	4.4
A12-34	5.3	6	2.0	4.4
PPG-KB 1131	5.3	6	2.0	4.4
PST-K13-139	5.3	6	2.0	4.4
A16-7	4.7	6	2.3	4.3
KENBLUE	5.7	5	2.3	4.3
A16-1	4.0	7	2.0	4.3
A16-2	5.3	6	1.7	4.3
A99-2897	3.3	6	3.7	4.3
DLFPS-340/3364	3.7	6	3.3	4.3
DLFPS-340/3500	3.7	6	3.3	4.3
NAI-13-14	3.7	6	3.3	4.3
NAI-14-133	3.3	6	3.7	4.3
PST-K15-177	5.0	6	2.0	4.3

TABLE 18.
(CONT'D)

SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	ND1	TN1	MEAN
SHAMROCK	5.3	6	1.7	4.3
DLFPS-340/3556	4.0	6	2.7	4.2
NAI-14-132	3.0	6	3.7	4.2
DLFPS-340/3446	3.7	6	2.7	4.1
J-1319	4.0	5	2.7	3.9
BLUE KNIGHT	2.0	6	3.3	3.8
LSD VALUE	2.0	0	2.7	1.1
C.V. (%)	24.1	0	54.8	24.8

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 19.

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MI1	ND1	OK1	TN1	MEAN
BARVETTE HGT®	7.0	9.0	7.0	7.0	5.0	7.0
BAR PP 7236V	6.7	9.0	7.0	6.7	5.0	6.9
ORION (PST-K13-143)	6.7	8.7	7.0	6.3	5.7	6.9
NAI-14-122	8.0	8.3	7.0	5.7	4.7	6.7
RAD-1776	6.7	9.0	7.0	6.0	5.0	6.7
BAR PP 7309V	6.3	8.7	7.0	7.0	4.7	6.7
GO-2628	7.0	8.0	6.0	7.7	4.7	6.7
BARSERATI (BAR PP 110358)	7.0	9.0	7.0	6.3	4.0	6.7
BAR PP 79366	6.3	9.0	6.0	6.7	5.0	6.6
BAR PP 7K426	6.3	9.0	7.0	6.7	4.0	6.6
J-1138	7.3	8.3	6.0	7.0	4.3	6.6
PST-K15-167	6.7	8.0	7.0	6.3	5.0	6.6
SKYE	7.0	8.7	6.0	7.0	4.3	6.6
A11-40	7.0	8.3	7.0	6.0	4.3	6.5
NAI-A16-3	6.7	9.0	6.0	6.7	4.3	6.5
AKB3179	7.0	9.0	6.0	6.3	4.3	6.5
BAR PP 79494	7.7	7.0	7.0	6.7	4.0	6.5
BAR PP 71213	7.0	8.7	6.0	5.7	5.0	6.5
YELLOWSTONE (A12-7)	7.0	7.7	6.0	6.0	5.3	6.4
A99-2897	6.7	7.7	7.0	7.0	3.7	6.4
AKB3128	6.7	9.0	6.0	6.3	4.0	6.4
NAI-14-176	8.0	8.3	7.0	4.3	4.3	6.4
PST-K15-172	7.3	8.7	6.0	6.3	3.7	6.4
A10-280	6.3	9.0	6.0	5.7	4.7	6.3
A11-26	6.7	8.3	6.0	5.7	5.0	6.3
A15-6	6.7	7.7	6.0	6.3	5.0	6.3
A16-7	7.0	6.7	6.0	6.3	5.7	6.3
DLFPS-340/3494	6.7	8.3	6.0	7.0	3.7	6.3
DLFPS-340/3550	6.7	9.0	6.0	5.7	4.3	6.3
DLFPS-340/3553	7.0	8.0	6.0	6.0	4.7	6.3
PPG-KB 1304	6.7	8.3	6.0	6.0	4.7	6.3
PST-K13-139	6.7	9.0	6.0	5.7	4.3	6.3
DLFPS-340/3500	6.7	8.7	6.0	6.0	4.3	6.3
PST-11-7	7.3	6.3	7.0	7.3	3.7	6.3
BLUE DEVIL	6.7	7.7	6.0	6.0	5.0	6.3
RAD 553	5.7	9.0	7.0	5.7	4.0	6.3
A13-1	7.0	9.0	7.0	5.3	3.0	6.3
GO-2425	6.7	8.7	6.0	6.7	3.3	6.3
NAI-13-9	7.7	7.3	7.0	6.3	3.0	6.3
NAI-14-133	7.3	8.7	6.0	5.0	4.3	6.3
PST-K13-141	6.3	8.3	6.0	5.3	5.3	6.3

TABLE 19.
(CONT'D)

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MI1	ND1	OK1	TN1	MEAN
DLFPS-340/3438	6.7	8.3	6.0	6.0	4.0	6.2
DLFPS-340/3549	6.0	9.0	6.0	6.0	4.0	6.2
GO-22B23	7.0	8.0	6.0	5.7	4.3	6.2
MVS-130	7.7	9.0	6.0	5.0	3.3	6.2
NAI-13-14	7.3	6.0	7.0	6.0	4.7	6.2
NAI-14-128	7.7	8.3	7.0	4.7	3.3	6.2
PST-T14-39	6.3	9.0	7.0	5.3	3.3	6.2
A16-17	6.7	8.0	6.0	6.0	4.0	6.1
BABE	6.0	8.0	6.0	7.0	3.7	6.1
DLFPS-340/3446	7.0	8.3	6.0	6.0	3.3	6.1
DLFPS-340/3556	6.3	8.3	5.0	5.7	5.3	6.1
PST-K11-118	6.7	8.3	6.0	6.0	3.7	6.1
NAI-14-132	7.3	9.0	6.3	4.3	3.7	6.1
A12-34	6.3	8.3	6.0	5.7	4.0	6.1
DLFPS-340/3551	6.3	7.0	5.0	7.3	4.7	6.1
MIDNIGHT	7.3	7.3	7.0	5.7	3.0	6.1
NAI-14-187	6.7	8.7	6.0	4.7	4.3	6.1
NAI-15-84	5.3	8.0	6.0	5.7	5.3	6.1
SELWAY	6.0	8.7	6.0	5.7	4.0	6.1
LTP-11-41	5.7	7.7	7.0	6.0	3.7	6.0
KH3492	7.0	7.7	6.0	6.3	3.0	6.0
AKB3241	7.0	8.3	6.0	4.7	3.7	5.9
A11-38	6.3	8.3	6.0	5.7	3.3	5.9
DLFPS-340/3455	6.0	8.0	6.0	6.0	3.3	5.9
PST-K15-177	6.0	8.3	6.0	6.0	2.7	5.8
DLFPS-340/3548	6.0	8.0	6.0	5.7	3.3	5.8
DLFPS-340/3552	6.3	7.7	5.0	6.7	3.3	5.8
J-3510	7.3	7.0	6.0	5.0	3.7	5.8
NAI-13-132	7.0	6.0	7.0	4.7	4.0	5.7
A16-2	6.3	7.3	6.0	5.7	3.3	5.7
NK-1	7.0	8.0	6.0	4.3	3.3	5.7
SHAMROCK	6.3	5.0	7.0	5.0	5.3	5.7
AFTER MIDNIGHT	7.3	5.0	6.0	6.3	3.7	5.7
KENBLUE	5.0	8.7	5.0	5.3	4.3	5.7
PIVOT	6.3	7.0	6.0	4.7	4.3	5.7
PPG-KB 1131	7.0	6.3	6.0	5.7	3.3	5.7
PST-K15-157	6.7	8.0	6.0	4.3	3.3	5.7
DLFPS-340/3444	6.7	5.0	6.0	6.3	4.0	5.6
J-2726	7.3	5.7	6.0	5.0	4.0	5.6
PROSPERITY	6.7	5.3	6.0	6.3	3.7	5.6
A06-8	6.7	6.7	6.0	5.0	3.3	5.5
BLUE KNIGHT	5.7	5.0	7.0	6.0	4.0	5.5

TABLE 19.
(CONT'D)

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1	MI1	ND1	OK1	TN1	MEAN
DLFPS-340/3364	6.0	7.7	6.0	3.7	4.3	5.5
NAI-14-178	6.0	6.7	6.0	5.0	4.0	5.5
A16-1	6.0	7.0	6.0	5.0	3.3	5.5
J-1319	6.0	5.7	6.0	5.3	4.0	5.4
NAI-15-80	5.0	8.3	7.0	3.7	2.7	5.3
PPG-KB 1320	6.0	5.3	6.0	5.3	4.0	5.3
LSD VALUE	0.9	1.4	0.1	2.1	2.7	0.8
C.V. (%)	8.7	11.4	1.0	22.5	40.9	17.3

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 20.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
A11-40	78.3	95.0	98.0	90.4
DLFPS-340/3551	86.7	85.0	98.3	90.0
AKB3128	81.7	90.0	95.3	89.0
BAR PP 7236V	85.0	90.0	92.0	89.0
A16-1	83.3	90.0	92.7	88.7
DLFPS-340/3550	85.0	85.0	96.0	88.7
KH3492	80.0	90.0	96.0	88.7
RAD-1776	83.3	90.0	92.3	88.6
LTP-11-41	85.0	85.0	95.0	88.3
PST-K11-118	85.0	85.0	95.0	88.3
A06-8	76.7	95.0	92.3	88.0
A16-17	81.7	85.0	97.3	88.0
DLFPS-340/3549	86.7	83.3	93.3	87.8
ORION (PST-K13-143)	78.3	90.0	95.0	87.8
BARSERATI (BAR PP 110358)	78.3	90.0	94.7	87.7
NAI-A16-3	81.7	91.7	89.0	87.4
DLFPS-340/3438	80.0	88.3	94.0	87.4
PST-K13-139	81.7	85.0	95.3	87.3
RAD 553	73.3	90.0	98.7	87.3
PST-11-7	80.0	95.0	85.7	86.9
AKB3179	80.0	86.7	92.7	86.4
BAR PP 7309V	76.7	90.0	92.7	86.4
A99-2897	75.0	90.0	94.3	86.4
NAI-13-9	76.7	90.0	92.3	86.3
GO-22B23	80.0	85.0	92.7	85.9
BAR PP 71213	78.3	85.0	94.3	85.9
PST-K13-141	75.0	86.7	95.7	85.8
MIDNIGHT	78.3	91.7	87.3	85.8
A11-38	75.0	85.0	97.0	85.7
A13-1	75.0	90.0	92.0	85.7
PIVOT	75.0	88.3	93.7	85.7
A16-2	73.3	85.0	98.3	85.6
DLFPS-340/3455	73.3	90.0	93.3	85.6
A10-280	80.0	86.7	89.3	85.3
BAR PP 7K426	80.0	90.0	85.7	85.2
PROSPERITY	81.7	85.0	88.7	85.1
A11-26	80.0	80.0	95.0	85.0
SHAMROCK	78.3	85.0	91.3	84.9
DLFPS-340/3552	76.7	80.0	97.3	84.7
GO-2425	75.0	83.3	95.7	84.7
PST-K15-167	70.0	90.0	93.7	84.6
BAR PP 79366	80.0	80.0	93.3	84.4

TABLE 20.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
NAI-15-80	73.3	90.0	89.7	84.3
DLFPS-340/3548	76.7	88.3	87.7	84.2
DLFPS-340/3556	78.3	80.0	94.3	84.2
BARVETTE HGT®	78.3	90.0	83.7	84.0
KENBLUE	75.0	80.0	97.0	84.0
SKYE	81.7	85.0	85.3	84.0
SELWAY	76.7	81.7	93.3	83.9
A15-6	78.3	80.0	93.3	83.9
J-3510	75.0	85.0	91.0	83.7
PST-K15-157	71.7	95.0	84.3	83.7
NAI-14-122	76.7	90.0	83.7	83.4
AKB3241	70.0	90.0	90.3	83.4
BABE	66.7	88.3	95.3	83.4
PPG-KB 1320	78.3	90.0	82.0	83.4
DLFPS-340/3444	81.7	85.0	82.3	83.0
MVS-130	71.7	85.0	92.3	83.0
J-1138	71.7	85.0	92.0	82.9
GO-2628	75.0	85.0	88.3	82.8
PPG-KB 1304	75.0	85.0	88.3	82.8
PPG-KB 1131	73.3	86.7	88.0	82.7
BAR PP 79494	70.0	86.7	91.0	82.6
DLFPS-340/3500	66.7	85.0	95.7	82.4
NAI-14-128	71.7	90.0	85.7	82.4
J-2726	80.0	80.0	86.7	82.2
YELLOWSTONE (A12-7)	78.3	85.0	83.3	82.2
NAI-15-84	75.0	85.0	86.3	82.1
NAI-14-176	65.0	90.0	90.7	81.9
NAI-14-187	76.7	88.3	79.0	81.3
PST-T14-39	78.3	95.0	70.7	81.3
A16-7	70.0	80.0	93.3	81.1
DLFPS-340/3494	70.0	85.0	88.3	81.1
BLUE DEVIL	73.3	81.7	88.0	81.0
DLFPS-340/3446	78.3	80.0	83.7	80.7
NAI-13-14	68.3	85.0	88.0	80.4
NK-1	73.3	80.0	87.7	80.3
NAI-14-133	70.0	85.0	84.7	79.9
A12-34	71.7	80.0	85.7	79.1
NAI-14-132	68.3	81.7	86.0	78.7
PST-K15-172	73.3	85.0	77.3	78.6
DLFPS-340/3553	73.3	80.0	81.0	78.1
PST-K15-177	68.3	85.0	78.0	77.1
BLUE KNIGHT	70.0	80.0	80.3	76.8

TABLE 20.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
J-1319	70.0	80.0	79.0	76.3
NAI-14-178	68.3	85.0	72.3	75.2
NAI-13-132	75.0	85.0	61.3	73.8
AFTER MIDNIGHT	70.0	85.0	58.3	71.1
DLFPS-340/3364	60.0	80.0	71.0	70.3
LSD VALUE	13.5	2.0	16.0	7.0
C.V. (%)	11.1	1.5	11.2	9.0

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

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

TABLE 21.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
A15-6	96.3	86.7	72.7	85.2
A16-2	97.7	90.0	66.0	84.6
BARVETTE HGT®	96.3	95.0	59.3	83.6
GO-22B23	97.0	90.0	60.3	82.4
GO-2628	97.7	90.0	59.7	82.4
PST-K13-139	96.3	90.0	60.7	82.3
PST-K13-141	97.7	91.7	57.7	82.3
A16-17	97.0	93.3	56.3	82.2
PPG-KB 1304	97.0	93.3	54.3	81.6
DLFPS-340/3551	99.0	90.0	55.3	81.4
A16-1	97.0	95.0	51.7	81.2
PST-K11-118	97.7	95.0	50.3	81.0
PST-K15-167	96.3	95.0	51.3	80.9
AKB3128	97.7	95.0	49.7	80.8
A06-8	97.0	96.3	48.7	80.7
LTP-11-41	96.3	90.0	55.3	80.6
PST-T14-39	94.7	95.0	50.7	80.1
PIVOT	97.0	93.3	50.0	80.1
BAR PP 7236V	97.7	95.0	47.3	80.0
NAI-14-133	93.3	90.0	56.3	79.9
NAI-14-176	94.0	95.0	50.3	79.8
KH3492	97.7	93.3	48.0	79.7
PPG-KB 1320	97.0	95.0	47.0	79.7
PROSPERITY	97.0	93.3	48.3	79.6
PST-K15-157	97.0	95.0	46.7	79.6
DLFPS-340/3552	95.7	90.0	52.3	79.3
A10-280	98.3	91.7	48.0	79.3
BLUE DEVIL	97.0	86.7	54.0	79.2
BAR PP 71213	92.3	93.3	51.3	79.0
A12-34	96.3	90.0	50.7	79.0
MVS-130	91.3	90.0	55.7	79.0
J-3510	97.7	80.0	59.0	78.9
BARSERATI (BAR PP 110358)	94.3	95.0	47.0	78.8
PST-11-7	97.7	96.3	42.0	78.7
NAI-14-128	93.3	95.0	47.7	78.7
NK-1	93.7	86.7	55.3	78.6
BAR PP 7K426	97.7	95.0	42.7	78.4
J-1138	95.7	90.0	49.7	78.4
DLFPS-340/3549	98.3	91.7	45.0	78.3
A11-26	97.7	90.0	47.0	78.2
NAI-13-132	97.0	93.3	44.3	78.2
SELWAY	97.0	86.7	50.3	78.0

TABLE 21.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
PPG-KB 1131	94.0	91.7	48.0	77.9
A11-40	97.0	95.0	41.7	77.9
A13-1	92.3	95.0	46.0	77.8
NAI-A16-3	97.7	95.0	40.3	77.7
DLFPS-340/3556	96.3	85.0	51.3	77.6
SKYE	98.3	90.0	44.0	77.4
DLFPS-340/3550	98.3	90.0	43.7	77.3
GO-2425	97.0	88.3	46.3	77.2
KENBLUE	94.7	85.0	51.7	77.1
AKB3241	96.3	95.0	40.0	77.1
J-2726	97.7	88.3	45.0	77.0
NAI-13-9	94.0	95.0	42.0	77.0
DLFPS-340/3494	95.0	93.3	42.3	76.9
DLFPS-340/3500	90.0	93.3	47.3	76.9
NAI-15-84	93.0	90.0	47.3	76.8
SHAMROCK	94.0	90.0	46.3	76.8
YELLOWSTONE (A12-7)	97.0	93.3	39.7	76.7
A11-38	97.0	90.0	42.7	76.6
NAI-14-122	94.7	95.0	40.0	76.6
BAR PP 79366	96.3	85.0	47.7	76.3
A16-7	96.3	90.0	42.3	76.2
DLFPS-340/3455	92.3	95.0	41.3	76.2
A99-2897	93.0	95.0	40.0	76.0
BAR PP 79494	91.7	93.3	42.3	75.8
BABE	94.0	93.3	39.3	75.6
NAI-14-187	97.0	93.3	36.3	75.6
DLFPS-340/3446	93.0	85.0	48.3	75.4
DLFPS-340/3444	95.7	90.0	40.3	75.3
DLFPS-340/3438	97.0	93.3	35.7	75.3
DLFPS-340/3548	95.7	93.3	34.0	74.3
PST-K15-177	96.3	90.0	36.7	74.3
RAD-1776	95.7	95.0	31.3	74.0
NAI-14-132	86.7	88.3	47.0	74.0
AFTER MIDNIGHT	91.7	91.7	38.3	73.9
RAD 553	94.7	95.0	32.0	73.9
NAI-15-80	90.0	95.0	36.7	73.9
NAI-14-178	95.0	90.0	36.0	73.7
PST-K15-172	97.0	90.0	34.0	73.7
J-1319	94.0	85.0	41.7	73.6
NAI-13-14	92.3	90.0	38.0	73.4
DLFPS-340/3553	91.7	85.0	43.3	73.3
BAR PP 7309V	97.0	95.0	27.7	73.2

TABLE 21.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	NC1	ND1	TN1	MEAN
MIDNIGHT	96.3	95.0	27.0	72.8
AKB3179	99.0	93.3	24.0	72.1
BLUE KNIGHT	93.3	85.0	37.3	71.9
ORION (PST-K13-143)	90.0	95.0	21.0	68.7
DLFPS-340/3364	91.7	85.0	24.0	66.9
LSD VALUE	5.6	4.7	28.2	9.7
C.V. (%)	3.6	3.2	38.3	13.5

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

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

TABLE 22.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ2	OK1	TN1	MEAN
BARVETTE HGT®	99.0	99.0	80.0	77.7	88.9
A15-6	95.0	88.3	73.3	96.3	88.3
DLFPS-340/3551	95.0	93.3	66.7	96.3	87.8
GO-2425	95.0	97.7	60.0	92.3	86.3
A99-2897	99.0	97.7	53.3	94.7	86.2
A16-17	95.0	96.0	61.7	90.3	85.8
AFTER MIDNIGHT	97.7	91.7	63.3	89.7	85.6
SKYE	95.0	92.7	58.3	96.0	85.5
BAR PP 7309V	97.7	88.3	58.3	96.3	85.2
BAR PP 7K426	99.0	96.0	46.7	98.0	84.9
A10-280	95.0	96.3	51.7	96.3	84.8
A16-2	95.0	85.0	61.7	95.0	84.2
YELLOWSTONE (A12-7)	93.3	88.3	60.0	94.3	84.0
MIDNIGHT	99.0	91.7	51.7	90.7	83.3
BAR PP 7236V	99.0	97.7	40.0	95.7	83.1
BARSERATI (BAR PP 110358)	99.0	99.0	43.3	91.0	83.1
DLFPS-340/3552	95.0	94.7	51.7	90.3	82.9
J-1138	96.3	94.7	56.7	83.7	82.8
BAR PP 79366	95.0	97.7	40.0	97.3	82.5
A11-26	95.0	95.0	51.7	88.0	82.4
DLFPS-340/3550	95.0	95.0	46.7	87.7	81.1
PST-11-7	99.0	86.7	53.3	84.3	80.8
BLUE DEVIL	93.3	90.0	41.7	98.0	80.8
PPG-KB 1304	95.0	95.0	43.3	89.3	80.7
PST-K11-118	95.0	93.3	45.0	88.7	80.5
LTP-11-41	95.0	83.3	46.7	96.3	80.3
GO-2628	95.0	97.7	43.3	84.0	80.0
MVS-130	95.0	85.0	45.0	94.7	79.9
NAI-13-9	99.0	91.7	41.7	85.0	79.3
DLFPS-340/3500	95.0	99.0	26.7	96.7	79.3
AKB3128	99.0	95.0	30.0	92.0	79.0
NAI-13-14	95.0	93.0	46.7	80.7	78.8
SELWAY	93.3	78.3	43.3	98.7	78.4
BABE	95.0	78.3	45.3	94.3	78.3
A06-8	99.0	86.7	30.0	96.7	78.1
DLFPS-340/3455	97.7	83.3	40.0	91.3	78.1
DLFPS-340/3553	95.0	85.0	35.0	97.3	78.1
GO-22B23	95.0	94.7	43.3	77.3	77.6
KH3492	95.0	73.3	46.7	95.3	77.6
PST-K13-141	95.0	95.0	23.3	96.7	77.5
PST-T14-39	99.0	95.0	23.3	92.3	77.4
A16-7	95.0	75.0	51.7	86.7	77.1

TABLE 22.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ2	OK1	TN1	MEAN
J-3510	96.3	96.3	32.3	82.7	76.9
AKB3241	96.3	93.3	25.0	93.0	76.9
NAI-13-132	95.0	88.3	33.3	90.0	76.7
J-2726	91.7	85.0	35.0	94.3	76.5
BAR PP 79494	97.7	81.7	35.0	91.3	76.4
RAD-1776	99.0	71.7	43.3	89.3	75.8
DLFPS-340/3494	95.0	97.7	30.0	79.3	75.5
DLFPS-340/3548	97.7	70.0	41.7	92.7	75.5
PST-K15-172	95.0	96.3	30.0	80.7	75.5
PST-K15-167	99.0	90.0	23.3	89.3	75.4
PIVOT	95.0	86.7	21.7	98.0	75.3
DLFPS-340/3364	95.0	85.0	28.3	92.7	75.3
DLFPS-340/3446	95.0	86.7	25.0	94.3	75.3
BAR PP 71213	96.3	95.0	23.3	86.0	75.2
DLFPS-340/3556	95.0	93.3	28.3	84.0	75.2
PROSPERITY	95.0	68.3	50.0	84.7	74.5
RAD 553	97.7	83.3	28.3	88.0	74.3
DLFPS-340/3549	95.0	71.7	56.7	73.3	74.2
ORION (PST-K13-143)	99.0	80.0	30.0	85.7	73.7
PPG-KB 1131	95.0	90.0	21.7	87.0	73.4
A13-1	99.0	96.3	21.7	76.3	73.3
DLFPS-340/3438	96.3	85.0	21.7	89.0	73.0
A16-1	97.7	65.0	36.7	91.3	72.7
NAI-14-122	99.0	68.3	35.0	87.7	72.5
SHAMROCK	96.3	70.0	28.3	95.3	72.5
AKB3179	96.3	80.0	20.0	93.0	72.3
NAI-14-178	95.0	86.7	11.7	92.0	71.3
A11-38	95.0	75.0	25.0	90.3	71.3
J-1319	95.0	80.0	25.0	85.0	71.3
NAI-14-132	93.3	75.0	35.0	81.7	71.3
NAI-14-133	95.0	73.3	20.0	96.7	71.3
NK-1	93.3	91.7	20.0	79.3	71.1
NAI-A16-3	95.0	81.7	43.3	62.7	70.7
PST-K15-177	95.0	91.7	38.3	57.3	70.6
DLFPS-340/3444	95.0	61.7	33.3	90.7	70.2
NAI-15-80	99.0	85.0	23.3	72.7	70.0
A12-34	95.0	88.3	15.0	80.7	69.8
A11-40	97.7	68.3	11.7	94.7	68.1
NAI-14-128	96.3	71.7	45.0	57.7	67.7
NAI-14-176	99.0	61.7	13.3	95.7	67.4
NAI-14-187	95.0	66.7	10.0	96.0	66.9
KENBLUE	90.0	33.3	46.7	94.3	66.1

TABLE 22.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ2	OK1	TN1	MEAN
PST-K15-157	99.0	78.3	10.0	76.7	66.0
NAI-15-84	95.0	51.7	31.7	83.0	65.3
PST-K13-139	95.0	45.0	28.3	84.0	63.1
PPG-KB 1320	95.0	40.0	23.3	78.7	59.3
BLUE KNIGHT	95.0	40.0	10.0	78.0	55.8
LSD VALUE	2.0	13.5	32.8	21.7	10.4
C.V. (%)	1.3	10.0	54.2	15.2	16.9

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 23.

WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	TN1
MVS-130	6.3
A15-6	6.0
DLFPS-340/3556	6.0
GO-2628	6.0
NAI-14-187	6.0
PST-K11-118	6.0
YELLOWSTONE (A12-7)	5.7
A16-7	5.7
A99-2897	5.7
BAR PP 79494	5.7
DLFPS-340/3549	5.7
DLFPS-340/3551	5.7
GO-22B23	5.7
PPG-KB 1304	5.7
A12-34	5.3
A16-17	5.3
DLFPS-340/3500	5.3
DLFPS-340/3552	5.3
J-1138	5.3
LTP-11-41	5.3
NAI-14-122	5.3
NAI-14-133	5.3
NAI-15-84	5.3
ORION (PST-K13-143)	5.3
PST-11-7	5.3
PST-K13-141	5.3
PST-K15-167	5.3
A10-280	5.0
A16-2	5.0
BARVETTE HGT®	5.0
BLUE DEVIL	5.0
DLFPS-340/3438	5.0
DLFPS-340/3548	5.0
GO-2425	5.0
KENBLUE	5.0
NAI-14-128	5.0
NAI-14-132	5.0
NAI-14-176	5.0
PIVOT	5.0
PST-K13-139	5.0
SELWAY	5.0

TABLE 23.
(CONT'D)

WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	TN1
A11-26	4.7
A11-40	4.7
AFTER MIDNIGHT	4.7
AKB3179	4.7
AKB3241	4.7
BABE	4.7
BAR PP 79366	4.7
DLFPS-340/3550	4.7
J-2726	4.7
J-3510	4.7
NAI-13-14	4.7
NAI-14-178	4.7
SKYE	4.7
A06-8	4.3
A13-1	4.3
A16-1	4.3
AKB3128	4.3
BAR PP 71213	4.3
BAR PP 7236V	4.3
BAR PP 7K426	4.3
DLFPS-340/3364	4.3
DLFPS-340/3494	4.3
NAI-13-9	4.3
PST-K15-157	4.3
PST-K15-177	4.3
RAD 553	4.3
RAD-1776	4.3
SHAMROCK	4.3
A11-38	4.0
BARSERATI (BAR PP 110358)	4.0
DLFPS-340/3444	4.0
DLFPS-340/3446	4.0
DLFPS-340/3455	4.0
DLFPS-340/3553	4.0
J-1319	4.0
KH3492	4.0
MIDNIGHT	4.0
NAI-15-80	4.0
NAI-A16-3	4.0
NK-1	4.0
PROSPERITY	4.0
BAR PP 7309V	3.7

TABLE 23.
(CONT'D)

WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	TN1
BLUE KNIGHT	3.7
NAI-13-132	3.7
PPG-KB 1131	3.7
PST-K15-172	3.7
PPG-KB 1320	3.3
PST-T14-39	3.3
LSD VALUE	1.5
C.V. (%)	19.8

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 24.

STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	OK1	MEAN
A13-1	8.3	9.0	8.7
NAI-14-132	8.0	9.0	8.5
DLFPS-340/3446	7.7	9.0	8.3
RAD-1776	9.0	7.7	8.3
A10-280	8.0	8.7	8.3
PST-K11-118	8.0	8.7	8.3
A11-26	8.3	8.0	8.2
AKB3241	8.3	8.0	8.2
BABE	8.0	8.3	8.2
A12-34	7.7	8.7	8.2
DLFPS-340/3500	7.3	9.0	8.2
NAI-14-122	7.3	9.0	8.2
PST-11-7	7.7	8.7	8.2
A11-38	7.7	8.3	8.0
AKB3128	8.0	8.0	8.0
AKB3179	8.0	8.0	8.0
BAR PP 79366	8.0	8.0	8.0
KH3492	7.7	8.3	8.0
MIDNIGHT	7.3	8.7	8.0
PST-K13-141	7.3	8.7	8.0
SKYE	7.7	8.3	8.0
A16-17	7.3	8.3	7.8
BARVETTE HGT®	8.0	7.7	7.8
DLFPS-340/3438	7.3	8.3	7.8
NAI-A16-3	7.3	8.3	7.8
PST-K15-157	7.7	8.0	7.8
PST-K15-172	8.0	7.7	7.8
SELWAY	7.3	8.3	7.8
J-3510	7.0	8.7	7.8
NAI-14-187	7.0	8.7	7.8
PST-K13-139	7.0	8.7	7.8
PST-T14-39	7.0	8.7	7.8
A15-6	7.0	8.3	7.7
A99-2897	7.0	8.3	7.7
BAR PP 7K426	7.0	8.3	7.7
DLFPS-340/3551	7.0	8.3	7.7
J-1138	7.7	7.7	7.7
NAI-14-176	7.0	8.3	7.7
YELLOWSTONE (A12-7)	7.3	8.0	7.7
MVS-130	7.3	8.0	7.7
NAI-13-132	6.7	8.7	7.7

TABLE 24.
(CONT'D)

STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	OK1	MEAN
PPG-KB 1131	6.3	9.0	7.7
PPG-KB 1304	7.3	8.0	7.7
A06-8	7.0	8.0	7.5
A16-7	7.0	8.0	7.5
BAR PP 79494	6.7	8.3	7.5
DLFPS-340/3549	7.0	8.0	7.5
DLFPS-340/3553	7.0	8.0	7.5
DLFPS-340/3556	6.3	8.7	7.5
NAI-14-128	7.3	7.7	7.5
NAI-14-133	7.3	7.7	7.5
NK-1	6.7	8.3	7.5
A16-2	7.7	7.0	7.3
DLFPS-340/3550	6.7	8.0	7.3
GO-2425	6.7	8.0	7.3
GO-2628	6.7	8.0	7.3
NAI-13-14	6.3	8.3	7.3
NAI-13-9	7.0	7.7	7.3
RAD 553	7.3	7.3	7.3
SHAMROCK	6.0	8.7	7.3
BLUE DEVIL	6.0	8.3	7.2
DLFPS-340/3494	6.7	7.7	7.2
A11-40	7.0	7.3	7.2
BARSERATI (BAR PP 110358)	7.3	7.0	7.2
DLFPS-340/3455	8.0	6.3	7.2
A16-1	6.0	8.0	7.0
BAR PP 7309V	7.7	6.3	7.0
DLFPS-340/3364	5.7	8.3	7.0
DLFPS-340/3444	6.7	7.3	7.0
GO-22B23	6.7	7.3	7.0
ORION (PST-K13-143)	6.7	7.3	7.0
J-2726	5.7	8.0	6.8
DLFPS-340/3548	5.7	7.7	6.7
BAR PP 71213	7.0	6.3	6.7
DLFPS-340/3552	6.3	7.0	6.7
BAR PP 7236V	5.0	8.0	6.5
NAI-15-80	4.3	8.7	6.5
PIVOT	5.7	7.3	6.5
PST-K15-167	5.3	7.7	6.5
NAI-14-178	5.5	7.3	6.4
J-1319	4.0	8.7	6.3
PPG-KB 1320	4.0	8.7	6.3
BLUE KNIGHT	3.3	8.7	6.0

TABLE 24.
(CONT'D)

STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	OK1	MEAN
NAI-15-84	5.3	6.7	6.0
LTP-11-41	4.0	7.7	5.8
PROSPERITY	3.7	7.7	5.7
PST-K15-177	3.7	7.7	5.7
KENBLUE	5.0	5.3	5.2
AFTER MIDNIGHT	3.3	6.7	5.0
LSD VALUE	1.5	1.8	1.2
C.V. (%)	13.7	14.2	14.1

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

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

TABLE 25.

DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
DLFPS-340/3550	8.3
NK-1	8.3
AKB3179	8.0
AKB3241	8.0
DLFPS-340/3551	8.0
PROSPERITY	8.0
RAD-1776	8.0
A11-40	7.7
AKB3128	7.7
DLFPS-340/3552	7.7
GO-22B23	7.7
PST-K11-118	7.7
A06-8	7.3
A16-7	7.3
BARSERATI (BAR PP 110358)	7.3
DLFPS-340/3364	7.3
DLFPS-340/3438	7.3
DLFPS-340/3455	7.3
DLFPS-340/3553	7.3
ORION (PST-K13-143)	7.3
PPG-KB 1304	7.3
PST-K15-157	7.3
A12-34	7.0
YELLOWSTONE (A12-7)	7.0
A13-1	7.0
A15-6	7.0
A99-2897	7.0
DLFPS-340/3446	7.0
DLFPS-340/3494	7.0
GO-2425	7.0
J-3510	7.0
NAI-14-176	7.0
PIVOT	7.0
PPG-KB 1131	7.0
PST-K13-141	7.0
PST-K15-167	7.0
A11-38	6.7
BAR PP 7309V	6.7
BARVETTE HGT®	6.7
DLFPS-340/3444	6.7
DLFPS-340/3556	6.7

TABLE 25.
(CONT'D)

DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
J-1138	6.7
KH3492	6.7
MVS-130	6.7
NAI-13-9	6.7
NAI-14-132	6.7
NAI-14-133	6.7
NAI-15-84	6.7
PPG-KB 1320	6.7
PST-11-7	6.7
PST-K15-172	6.7
PST-K15-177	6.7
SKYE	6.7
A11-26	6.3
A16-2	6.3
AFTER MIDNIGHT	6.3
BAR PP 79494	6.3
GO-2628	6.3
LTP-11-41	6.3
MIDNIGHT	6.3
NAI-14-122	6.3
NAI-14-128	6.3
NAI-14-187	6.3
A10-280	6.0
BLUE DEVIL	6.0
DLFPS-340/3500	6.0
J-1319	6.0
J-2726	6.0
NAI-13-132	6.0
NAI-13-14	6.0
NAI-14-178	6.0
PST-T14-39	6.0
SHAMROCK	6.0
A16-1	5.7
BAR PP 71213	5.7
BLUE KNIGHT	5.7
NAI-A16-3	5.7
PST-K13-139	5.7
BABE	5.3
BAR PP 7236V	5.3
BAR PP 79366	5.3
BAR PP 7K426	5.3
A16-17	4.7

TABLE 25.
(CONT'D)

DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
DLFPS-340/3548	4.7
NAI-15-80	4.7
SELWAY	4.7
DLFPS-340/3549	4.0
KENBLUE	3.3
RAD 553	3.3
LSD VALUE	1.4
C.V. (%)	13.4

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 26.

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	NJ2	MEAN
A10-280	8.0	9.0	8.5
BAR PP 7236V	7.7	9.0	8.3
PPG-KB 1304	8.0	8.0	8.0
J-3510	8.0	7.7	7.8
DLFPS-340/3550	7.7	7.7	7.7
AFTER MIDNIGHT	8.0	7.3	7.7
DLFPS-340/3552	8.0	7.3	7.7
GO-2628	7.3	8.0	7.7
J-1138	8.0	7.3	7.7
A16-17	7.7	7.3	7.5
DLFPS-340/3500	7.3	7.7	7.5
DLFPS-340/3551	7.0	8.0	7.5
PST-K11-118	8.0	7.0	7.5
A06-8	7.7	7.0	7.3
NK-1	7.7	7.0	7.3
SKYE	7.7	7.0	7.3
A13-1	6.0	8.7	7.3
BARSERATI (BAR PP 110358)	6.0	8.7	7.3
MIDNIGHT	7.3	7.3	7.3
PST-K13-141	7.3	7.3	7.3
GO-22B23	7.7	6.7	7.2
NAI-13-132	7.7	6.7	7.2
BAR PP 7309V	8.0	6.3	7.2
DLFPS-340/3553	7.3	7.0	7.2
PPG-KB 1131	7.3	7.0	7.2
PST-K15-167	7.0	7.3	7.2
A11-26	7.0	7.0	7.0
BAR PP 71213	7.3	6.7	7.0
BAR PP 79494	8.0	6.0	7.0
BARVETTE HGT®	6.0	8.0	7.0
GO-2425	7.3	6.7	7.0
PST-K15-172	6.3	7.7	7.0
PST-T14-39	6.7	7.3	7.0
A99-2897	5.7	8.0	6.8
BAR PP 79366	6.0	7.7	6.8
BLUE DEVIL	7.3	6.3	6.8
DLFPS-340/3494	6.3	7.3	6.8
DLFPS-340/3548	7.7	5.7	6.7
A15-6	8.0	5.3	6.7
AKB3128	7.0	6.3	6.7
DLFPS-340/3556	6.0	7.3	6.7

TABLE 26.
(CONT'D)

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	NJ2	MEAN
J-1319	8.0	5.3	6.7
NAI-13-9	7.0	6.3	6.7
NAI-13-14	6.0	7.0	6.5
PIVOT	6.0	7.0	6.5
PST-11-7	6.7	6.3	6.5
RAD 553	6.7	6.3	6.5
A12-34	6.7	6.0	6.3
DLFPS-340/3446	6.0	6.7	6.3
J-2726	7.0	5.7	6.3
LTP-11-41	6.7	6.0	6.3
KH3492	7.3	5.3	6.3
PST-K15-177	6.3	6.3	6.3
DLFPS-340/3438	5.7	6.7	6.2
PROSPERITY	7.7	4.7	6.2
A16-7	7.0	5.3	6.2
BAR PP 7K426	4.3	8.0	6.2
DLFPS-340/3364	6.3	6.0	6.2
DLFPS-340/3455	6.0	6.3	6.2
A11-38	6.7	5.3	6.0
AKB3241	4.3	7.7	6.0
PST-K15-157	6.3	5.7	6.0
A11-40	6.7	5.0	5.8
BABE	6.0	5.7	5.8
A16-2	5.7	5.7	5.7
SELWAY	6.7	4.7	5.7
DLFPS-340/3444	7.3	4.0	5.7
NAI-14-178	6.0	5.3	5.7
ORION (PST-K13-143)	6.0	5.3	5.7
SHAMROCK	7.3	4.0	5.7
AKB3179	5.3	5.7	5.5
YELLOWSTONE (A12-7)	4.7	6.0	5.3
DLFPS-340/3549	6.0	4.7	5.3
MVS-130	5.0	5.7	5.3
NAI-15-80	4.7	6.0	5.3
NAI-A16-3	5.7	5.0	5.3
NAI-15-84	6.3	4.3	5.3
NAI-14-133	4.0	5.7	4.8
NAI-14-187	4.7	4.3	4.5
NAI-14-122	4.0	4.7	4.3
NAI-14-132	4.0	4.7	4.3
NAI-14-176	4.7	4.0	4.3
A16-1	5.3	3.3	4.3

TABLE 26.
(CONT'D)

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	NC1	NJ2	MEAN
RAD-1776	3.7	5.0	4.3
NAI-14-128	4.0	4.3	4.2
PST-K13-139	3.3	3.7	3.5
BLUE KNIGHT	3.0	3.0	3.0
KENBLUE	4.0	2.0	3.0
PPG-KB 1320	3.3	1.7	2.5
LSD VALUE	2.2	1.4	1.3
C.V. (%)	21.1	13.8	18.0

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 27.

CROWN RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	MI1
A10-280	9.0
A11-26	9.0
A11-38	9.0
A11-40	9.0
A12-34	9.0
A13-1	9.0
A16-17	9.0
A16-7	9.0
AKB3128	9.0
AKB3179	9.0
AKB3241	9.0
BAR PP 71213	9.0
BAR PP 7236V	9.0
BAR PP 7309V	9.0
BAR PP 79366	9.0
BAR PP 7K426	9.0
BARSERATI (BAR PP 110358)	9.0
BARVETTE HGT®	9.0
DLFPS-340/3438	9.0
DLFPS-340/3446	9.0
DLFPS-340/3455	9.0
DLFPS-340/3494	9.0
DLFPS-340/3500	9.0
DLFPS-340/3549	9.0
DLFPS-340/3553	9.0
GO-22B23	9.0
GO-2628	9.0
KENBLUE	9.0
MVS-130	9.0
NAI-14-122	9.0
NAI-14-128	9.0
NAI-14-132	9.0
NAI-14-133	9.0
NAI-14-176	9.0
NAI-14-187	9.0
NAI-15-80	9.0
NAI-A16-3	9.0
NK-1	9.0
ORION (PST-K13-143)	9.0
PPG-KB 1304	9.0
PST-K11-118	9.0

TABLE 27.
(CONT'D)

CROWN RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	MI1
PST-K13-139	9.0
PST-K13-141	9.0
PST-K15-157	9.0
PST-K15-177	9.0
PST-T14-39	9.0
RAD 553	9.0
RAD-1776	9.0
A99-2897	8.7
DLFPS-340/3548	8.7
LTP-11-41	8.7
PST-K15-172	8.7
SELWAY	8.7
SKYE	8.7
A06-8	8.3
A16-1	8.3
DLFPS-340/3364	8.3
DLFPS-340/3550	8.3
J-1138	8.3
KH3492	8.3
MIDNIGHT	8.3
PST-K15-167	8.3
YELLOWSTONE (A12-7)	8.0
A16-2	8.0
BABE	8.0
DLFPS-340/3444	8.0
DLFPS-340/3551	8.0
GO-2425	8.0
NAI-13-9	8.0
NAI-15-84	8.0
PIVOT	8.0
PPG-KB 1131	8.0
A15-6	7.7
BAR PP 79494	7.7
BLUE DEVIL	7.7
DLFPS-340/3552	7.3
DLFPS-340/3556	7.3
J-3510	7.3
NAI-13-132	7.0
NAI-13-14	7.0
NAI-14-178	7.0
PROSPERITY	6.3
J-1319	5.7

TABLE 27.
(CONT'D)

CROWN RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	MI1
PPG-KB 1320	5.7
PST-11-7	5.3
SHAMROCK	5.3
BLUE KNIGHT	5.0
J-2726	4.7
AFTER MIDNIGHT	3.3
LSD VALUE	1.4
C.V. (%)	10.4

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

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

TABLE 28.

PINK SNOW MOLD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
A06-8	9.0
A10-280	9.0
A11-26	9.0
A11-38	9.0
A11-40	9.0
A12-34	9.0
A13-1	9.0
A15-6	9.0
A16-17	9.0
A16-7	9.0
AFTER MIDNIGHT	9.0
BAR PP 71213	9.0
BAR PP 7309V	9.0
BAR PP 7K426	9.0
BARSERATI (BAR PP 110358)	9.0
BLUE KNIGHT	9.0
DLFPS-340/3364	9.0
DLFPS-340/3438	9.0
DLFPS-340/3444	9.0
DLFPS-340/3446	9.0
DLFPS-340/3548	9.0
DLFPS-340/3551	9.0
DLFPS-340/3556	9.0
GO-22B23	9.0
GO-2425	9.0
GO-2628	9.0
J-2726	9.0
LTP-11-41	9.0
MVS-130	9.0
NAI-14-122	9.0
NAI-14-128	9.0
NAI-14-132	9.0
NAI-14-133	9.0
NAI-14-176	9.0
NAI-14-178	9.0
NAI-14-187	9.0
NAI-15-84	9.0
NK-1	9.0
PIVOT	9.0
PPG-KB 1304	9.0
PPG-KB 1320	9.0

TABLE 28.
(CONT'D)

PINK SNOW MOLD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
PROSPERITY	9.0
PST-11-7	9.0
PST-K13-139	9.0
PST-K13-141	9.0
PST-K15-172	9.0
PST-K15-177	9.0
PST-T14-39	9.0
SHAMROCK	9.0
SKYE	9.0
A16-2	8.7
BARVETTE HGT®	8.7
DLFPS-340/3455	8.7
DLFPS-340/3553	8.7
KENBLUE	8.7
ORION (PST-K13-143)	8.7
PST-K11-118	8.7
RAD 553	8.7
RAD-1776	8.7
SELWAY	8.7
YELLOWSTONE (A12-7)	8.3
BAR PP 79366	8.3
DLFPS-340/3494	8.3
J-1319	8.3
NAI-A16-3	8.3
AKB3241	8.0
BABE	8.0
DLFPS-340/3500	8.0
DLFPS-340/3550	8.0
NAI-15-80	8.0
PST-K15-157	8.0
PST-K15-167	8.0
AKB3179	7.7
BAR PP 7236V	7.7
A99-2897	7.3
AKB3128	7.3
DLFPS-340/3552	7.3
KH3492	7.0
BAR PP 79494	6.3
BLUE DEVIL	6.3
DLFPS-340/3549	6.3
A16-1	5.3
J-3510	5.3

TABLE 28.
(CONT'D)

PINK SNOW MOLD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
NAI-13-132	5.3
MIDNIGHT	5.0
NAI-13-14	5.0
PPG-KB 1131	5.0
J-1138	4.0
NAI-13-9	3.7
LSD VALUE	1.8
C.V. (%)	13.2

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 29.

FALL COLOR (SEPTEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
AKB3128	7.3
ORION (PST-K13-143)	7.3
PST-K15-157	7.3
RAD-1776	7.3
A06-8	7.0
A16-7	7.0
AFTER MIDNIGHT	7.0
AKB3241	7.0
DLFPS-340/3364	7.0
DLFPS-340/3500	7.0
J-1319	7.0
NAI-13-9	7.0
NAI-14-128	7.0
NAI-14-176	7.0
PPG-KB 1304	7.0
PROSPERITY	7.0
A10-280	6.7
A12-34	6.7
YELLOWSTONE (A12-7)	6.7
A13-1	6.7
A99-2897	6.7
BLUE KNIGHT	6.7
DLFPS-340/3446	6.7
DLFPS-340/3550	6.7
DLFPS-340/3551	6.7
J-1138	6.7
J-2726	6.7
MVS-130	6.7
NAI-13-132	6.7
NAI-14-122	6.7
NAI-14-132	6.7
NAI-15-84	6.7
PIVOT	6.7
PPG-KB 1131	6.7
PPG-KB 1320	6.7
PST-K13-141	6.7
PST-K15-167	6.7
PST-K15-177	6.7
A11-26	6.3
A11-38	6.3
A16-1	6.3

TABLE 29.
(CONT'D)

FALL COLOR (SEPTEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
A16-2	6.3
BAR PP 79366	6.3
BAR PP 79494	6.3
BARSERATI (BAR PP 110358)	6.3
DLFPS-340/3553	6.3
DLFPS-340/3556	6.3
GO-22B23	6.3
J-3510	6.3
LTP-11-41	6.3
MIDNIGHT	6.3
NAI-13-14	6.3
NAI-14-187	6.3
PST-K13-139	6.3
PST-K15-172	6.3
PST-T14-39	6.3
SKYE	6.3
A11-40	6.0
A15-6	6.0
AKB3179	6.0
BAR PP 71213	6.0
BAR PP 7236V	6.0
BAR PP 7309V	6.0
BLUE DEVIL	6.0
DLFPS-340/3438	6.0
DLFPS-340/3444	6.0
DLFPS-340/3455	6.0
DLFPS-340/3494	6.0
DLFPS-340/3548	6.0
DLFPS-340/3552	6.0
GO-2425	6.0
GO-2628	6.0
KH3492	6.0
NAI-14-133	6.0
NAI-14-178	6.0
NAI-15-80	6.0
NAI-A16-3	6.0
NK-1	6.0
PST-11-7	6.0
PST-K11-118	6.0
SHAMROCK	6.0
BAR PP 7K426	5.7
BARVETTE HGT®	5.7

TABLE 29.
(CONT'D)

FALL COLOR (SEPTEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	IN1
SELWAY	5.7
BABE	5.3
DLFPS-340/3549	5.3
KENBLUE	5.3
A16-17	5.0
RAD 553	5.0
LSD VALUE	0.8
C.V. (%)	7.6

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

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

TABLE 30.

FALL COLOR (NOVEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	ND1
A16-2	6.0
BARSERATI (BAR PP 110358)	6.0
KH3492	6.0
NAI-14-176	6.0
PST-K15-157	6.0
BARVETTE HGT®	5.7
NAI-15-80	5.7
PST-T14-39	5.7
RAD-1776	5.7
YELLOWSTONE (A12-7)	5.3
AKB3128	5.3
AKB3179	5.3
BAR PP 7236V	5.3
BAR PP 7K426	5.3
MIDNIGHT	5.3
NAI-13-132	5.3
NAI-14-122	5.3
NAI-A16-3	5.3
PIVOT	5.3
SKYE	5.3
A06-8	5.0
A10-280	5.0
A11-38	5.0
A11-40	5.0
A12-34	5.0
A16-1	5.0
AKB3241	5.0
BABE	5.0
BAR PP 71213	5.0
BAR PP 7309V	5.0
BAR PP 79494	5.0
DLFPS-340/3364	5.0
DLFPS-340/3438	5.0
DLFPS-340/3455	5.0
DLFPS-340/3494	5.0
DLFPS-340/3500	5.0
DLFPS-340/3548	5.0
DLFPS-340/3549	5.0
DLFPS-340/3550	5.0
DLFPS-340/3553	5.0
GO-22B23	5.0

TABLE 30.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	ND1
GO-2425	5.0
GO-2628	5.0
J-1138	5.0
J-3510	5.0
MVS-130	5.0
NAI-14-133	5.0
NAI-14-178	5.0
NAI-15-84	5.0
PPG-KB 1131	5.0
PPG-KB 1320	5.0
PST-11-7	5.0
PST-K13-141	5.0
PST-K15-167	5.0
RAD 553	5.0
SHAMROCK	5.0
A99-2897	4.3
NAI-14-132	4.3
PST-K11-118	4.3
A11-26	4.0
A13-1	4.0
A16-17	4.0
A16-7	4.0
AFTER MIDNIGHT	4.0
BAR PP 79366	4.0
DLFPS-340/3444	4.0
DLFPS-340/3446	4.0
DLFPS-340/3551	4.0
DLFPS-340/3552	4.0
LTP-11-41	4.0
NAI-13-14	4.0
NAI-14-187	4.0
NK-1	4.0
ORION (PST-K13-143)	4.0
PPG-KB 1304	4.0
PROSPERITY	4.0
PST-K13-139	4.0
PST-K15-172	4.0
PST-K15-177	4.0
A15-6	3.0
BLUE DEVIL	3.0
BLUE KNIGHT	3.0
DLFPS-340/3556	3.0

TABLE 30.
(CONT'D)

FALL COLOR (NOVEMBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	ND1
J-2726	3.0
KENBLUE	3.0
NAI-13-9	3.0
NAI-14-128	3.0
J-1319	2.0
SELWAY	2.0
LSD VALUE	0.4
C.V. (%)	5.6

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 31.

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	IN1
BAR PP 7236V	9.0
BARVETTE HGT®	9.0
A16-17	8.3
LTP-11-41	8.3
A13-1	8.0
DLFPS-340/3455	8.0
KENBLUE	8.0
RAD 553	8.0
A11-40	7.7
NAI-14-178	7.7
NK-1	7.7
PIVOT	7.7
A10-280	7.3
YELLOWSTONE (A12-7)	7.3
BAR PP 7309V	7.3
DLFPS-340/3549	7.3
PPG-KB 1304	7.3
RAD-1776	7.3
SELWAY	7.3
AKB3241	7.0
DLFPS-340/3548	7.0
DLFPS-340/3553	7.0
NAI-A16-3	7.0
BABE	6.7
BAR PP 71213	6.7
BARSERATI (BAR PP 110358)	6.7
DLFPS-340/3438	6.7
ORION (PST-K13-143)	6.7
PST-K13-139	6.7
PST-T14-39	6.7
A11-38	6.3
AKB3179	6.3
BAR PP 7K426	6.3
DLFPS-340/3364	6.3
DLFPS-340/3444	6.3
KH3492	6.3
NAI-14-133	6.3
PST-K15-157	6.3
SKYE	6.3
A11-26	6.0
A16-1	6.0

TABLE 31.
(CONT'D)

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	IN1
BLUE KNIGHT	6.0
GO-2425	6.0
MIDNIGHT	6.0
NAI-14-176	6.0
NAI-15-84	6.0
PST-11-7	6.0
A16-2	5.7
GO-22B23	5.7
J-1138	5.7
J-3510	5.7
NAI-13-132	5.7
PPG-KB 1320	5.7
PST-K11-118	5.7
PST-K13-141	5.7
SHAMROCK	5.7
A99-2897	5.3
DLFPS-340/3446	5.3
DLFPS-340/3551	5.3
DLFPS-340/3556	5.3
GO-2628	5.3
J-2726	5.3
MVS-130	5.3
NAI-13-9	5.3
NAI-14-128	5.3
NAI-14-132	5.3
NAI-15-80	5.3
PPG-KB 1131	5.3
BLUE DEVIL	5.0
DLFPS-340/3500	5.0
NAI-13-14	5.0
A16-7	4.7
BAR PP 79366	4.7
BAR PP 79494	4.7
NAI-14-122	4.7
NAI-14-187	4.7
A12-34	4.3
AFTER MIDNIGHT	4.3
PST-K15-172	4.3
A06-8	4.0
DLFPS-340/3550	4.0
PROSPERITY	4.0
A15-6	3.7

TABLE 31.
(CONT'D)

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	IN1
J-1319	3.7
PST-K15-177	3.7
PST-K15-167	3.3
DLFPS-340/3494	2.7
AKB3128	2.3
DLFPS-340/3552	2.3
LSD VALUE	1.7
C.V. (%)	18.2

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 32.

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA 2/

NAME	IA1	MD1	MI1	MN1	NE1	NJ2	MEAN
BARSERATI (BAR PP 110358)	50.0	99.0	71.7	5.7	50.0	83.7	60.0
KENBLUE	36.7	99.0	73.3	5.7	46.7	93.7	59.2
BAR PP 7236V	46.7	96.0	63.3	5.0	43.3	84.0	56.4
BARVETTE HGT®	46.7	86.7	65.0	5.3	50.0	83.7	56.2
BABE	40.0	96.3	66.7	5.3	46.7	78.3	55.6
BAR PP 7309V	50.0	93.3	66.7	6.0	50.0	67.3	55.6
LTP-11-41	53.3	91.7	55.0	5.7	46.7	81.0	55.6
J-3510	30.0	93.0	60.0	4.7	50.0	94.0	55.3
J-1138	33.3	93.3	61.7	5.3	46.7	90.7	55.2
AFTER MIDNIGHT	40.0	90.0	56.7	4.0	60.0	79.3	55.0
RAD 553	36.7	93.0	56.7	5.0	60.0	78.0	54.9
AKB3128	26.7	96.3	70.0	4.3	46.7	85.0	54.8
MIDNIGHT	28.3	90.0	65.0	5.0	46.7	93.7	54.8
BAR PP 71213	53.3	91.7	65.0	5.0	56.7	56.0	54.6
A11-40	33.3	88.3	70.0	5.0	50.0	79.7	54.4
DLFPS-340/3455	40.0	90.0	63.3	5.3	46.7	80.7	54.3
NAI-A16-3	46.7	88.3	55.0	5.3	50.0	80.0	54.2
J-1319	33.3	93.3	60.0	4.0	46.7	87.7	54.2
PROSPERITY	36.7	85.0	48.3	4.7	56.7	93.3	54.1
NAI-13-14	30.0	91.7	56.7	4.7	53.3	87.3	53.9
BAR PP 7K426	40.0	96.3	50.0	4.7	53.3	79.0	53.9
NAI-13-9	30.0	90.0	55.0	5.0	53.3	88.0	53.6
AKB3179	43.3	91.7	60.0	4.3	50.0	71.3	53.4
GO-2628	28.3	91.7	61.7	4.3	60.0	73.0	53.2
DLFPS-340/3550	36.7	88.3	53.3	5.0	60.0	75.3	53.1
J-2726	33.3	91.7	55.0	5.7	56.7	75.0	52.9
KH3492	50.0	86.7	56.7	6.0	46.7	69.3	52.6
ORION (PST-K13-143)	50.0	94.7	63.3	5.3	46.7	54.3	52.4
A16-17	43.3	96.3	50.0	5.0	53.3	65.0	52.2
GO-22B23	26.7	93.3	63.3	5.0	56.7	67.0	52.0
PST-K13-141	40.0	88.3	51.7	4.7	46.7	80.0	51.9
A16-2	50.0	90.0	60.0	4.3	46.7	59.7	51.8
NK-1	40.0	85.0	50.0	4.7	56.7	74.3	51.8
PST-K15-172	36.7	90.0	56.7	5.0	46.7	75.7	51.8
NAI-13-132	21.7	90.0	56.7	4.7	50.0	87.0	51.7
A11-26	36.7	88.3	50.0	5.3	50.0	78.3	51.4
PPG-KB 1304	33.3	88.3	61.7	4.7	50.0	69.0	51.2
GO-2425	33.3	91.7	53.3	5.3	56.7	65.0	50.9
PST-11-7	36.7	88.3	46.7	5.0	56.7	70.0	50.6
BLUE DEVIL	23.3	93.0	55.0	4.0	46.7	81.0	50.5
SELWAY	33.3	91.7	55.0	4.7	53.3	62.3	50.1
PIVOT	30.0	93.0	48.3	6.0	53.3	67.0	49.6

TABLE 32.
(CONT'D)

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA 2/

NAME	IA1	MD1	MI1	MN1	NE1	NJ2	MEAN
RAD-1776	33.3	91.7	65.0	5.3	40.0	61.7	49.5
A99-2897	23.3	86.7	45.0	5.7	56.7	79.0	49.4
SHAMROCK	30.0	90.0	43.3	5.7	50.0	73.7	48.8
DLFPS-340/3552	33.3	88.3	43.3	5.0	56.7	66.0	48.8
DLFPS-340/3551	43.3	86.7	38.3	5.0	53.3	65.0	48.6
PPG-KB 1131	33.3	83.3	56.7	4.7	50.0	63.0	48.5
PST-K11-118	33.3	93.3	50.0	5.0	43.3	65.0	48.3
DLFPS-340/3549	40.0	93.3	56.7	4.7	50.0	45.3	48.3
BAR PP 79494	43.3	86.7	48.3	5.0	46.7	59.3	48.2
DLFPS-340/3494	33.3	91.7	43.3	4.3	53.3	62.7	48.1
DLFPS-340/3556	25.0	93.3	45.0	4.3	50.0	68.0	47.6
DLFPS-340/3446	33.3	90.0	41.7	5.0	46.7	68.7	47.6
A16-1	35.0	83.3	46.7	4.0	53.3	62.3	47.4
PST-K15-167	28.3	88.3	40.0	4.0	50.0	73.0	47.3
DLFPS-340/3553	50.0	85.0	31.7	4.7	46.7	64.3	47.1
SKYE	33.3	93.3	50.0	4.3	43.3	56.7	46.8
A15-6	40.0	90.0	50.0	5.0	56.7	38.7	46.7
DLFPS-340/3444	25.0	86.7	45.0	5.3	50.0	64.0	46.0
BLUE KNIGHT	36.7	93.3	46.7	4.0	43.3	51.7	45.9
DLFPS-340/3438	30.0	88.3	45.0	4.7	46.7	61.0	45.9
PPG-KB 1320	40.0	81.7	35.0	4.3	46.7	66.7	45.7
PST-T14-39	33.3	91.7	51.7	5.0	43.3	49.3	45.7
PST-K15-157	26.7	83.3	46.7	4.7	40.0	72.7	45.7
NAI-15-84	30.0	76.7	41.7	4.3	53.3	65.0	45.2
YELLOWSTONE (A12-7)	33.3	88.3	40.0	4.7	53.3	51.0	45.1
A10-280	23.3	81.7	40.0	4.0	56.7	64.0	44.9
A16-7	40.0	85.0	41.7	4.3	43.3	49.3	43.9
NAI-14-133	23.3	86.7	48.3	3.3	50.0	50.7	43.7
A13-1	23.3	85.0	48.3	4.0	40.0	55.0	42.6
DLFPS-340/3548	43.3	63.3	46.7	4.3	36.7	61.0	42.6
AKB3241	30.0	80.0	46.7	4.3	43.3	49.3	42.3
A06-8	18.3	86.7	31.7	4.3	50.0	61.7	42.1
NAI-14-128	23.3	85.0	46.7	3.7	46.7	47.3	42.1
PST-K15-177	30.0	75.0	40.0	4.3	40.0	54.3	40.6
PST-K13-139	33.3	83.3	43.3	4.3	36.7	41.0	40.3
BAR PP 79366	31.7	78.3	45.0	5.0	43.3	37.0	40.1
NAI-14-132	26.7	73.3	41.7	3.0	50.0	45.0	39.9
A11-38	23.3	66.7	43.3	4.7	43.3	54.3	39.3
NAI-14-176	43.3	63.3	38.3	2.3	43.3	39.3	38.3
DLFPS-340/3500	31.7	81.7	41.7	3.7	40.0	28.3	37.8
NAI-14-122	20.0	78.3	41.7	3.7	40.0	39.3	37.2
MVS-130	16.7	80.0	45.0	2.7	43.3	35.0	37.1

TABLE 32.
(CONT'D)

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA 2/

NAME	IA1	MD1	MI1	MN1	NE1	NJ2	MEAN
A12-34	26.7	68.3	26.7	3.7	53.3	33.7	35.4
NAI-14-187	23.3	61.7	36.7	2.7	46.7	29.3	33.4
NAI-15-80	16.7	50.0	33.3	3.7	33.3	36.7	28.9
NAI-14-178	21.7	56.7	33.3	4.0	36.7	17.3	28.3
DLFPS-340/3364	15.0	46.7	13.3	2.7	33.3	38.7	24.9
LSD VALUE	22.5	8.0	15.2	1.1	15.0	16.4	6.0
C.V. (%)	41.3	5.8	18.7	15.2	19.1	15.7	19.0

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 33.

TURF UNIFORMITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
NAI-14-178	8.0
AFTER MIDNIGHT	7.7
BAR PP 7236V	7.7
DLFPS-340/3549	7.7
NAI-14-128	7.7
NAI-14-132	7.7
NAI-14-187	7.7
NAI-15-80	7.7
NAI-15-84	7.7
PST-K15-177	7.7
A11-40	7.3
DLFPS-340/3494	7.3
DLFPS-340/3552	7.3
DLFPS-340/3556	7.3
GO-22B23	7.3
J-2726	7.3
J-3510	7.3
MVS-130	7.3
PST-K11-118	7.3
A11-26	7.0
BAR PP 7309V	7.0
BLUE DEVIL	7.0
BLUE KNIGHT	7.0
DLFPS-340/3364	7.0
DLFPS-340/3446	7.0
DLFPS-340/3455	7.0
DLFPS-340/3553	7.0
GO-2425	7.0
LTP-11-41	7.0
MIDNIGHT	7.0
NAI-14-133	7.0
PPG-KB 1131	7.0
PPG-KB 1304	7.0
PPG-KB 1320	7.0
PST-11-7	7.0
PST-K15-157	7.0
PST-K15-172	7.0
PST-T14-39	7.0
RAD-1776	7.0
SELWAY	7.0
A13-1	6.7

TABLE 33.
(CONT'D)

TURF UNIFORMITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
A16-17	6.7
AKB3128	6.7
AKB3179	6.7
BABE	6.7
BARVETTE HGT®	6.7
DLFPS-340/3500	6.7
NK-1	6.7
PIVOT	6.7
PROSPERITY	6.7
SKYE	6.7
A11-38	6.3
YELLOWSTONE (A12-7)	6.3
A15-6	6.3
A99-2897	6.3
AKB3241	6.3
DLFPS-340/3551	6.3
J-1138	6.3
KENBLUE	6.3
KH3492	6.3
NAI-13-9	6.3
NAI-14-122	6.3
ORION (PST-K13-143)	6.3
PST-K13-141	6.3
BAR PP 71213	6.0
BAR PP 7K426	6.0
BARSERATI (BAR PP 110358)	6.0
NAI-13-14	6.0
PST-K13-139	6.0
RAD 553	6.0
A10-280	5.7
A12-34	5.7
A16-1	5.7
A16-2	5.7
BAR PP 79366	5.7
BAR PP 79494	5.7
DLFPS-340/3444	5.7
DLFPS-340/3550	5.7
J-1319	5.7
PST-K15-167	5.7
A16-7	5.3
NAI-13-132	5.3
NAI-14-176	5.3

TABLE 33.
(CONT'D)

TURF UNIFORMITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

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

NAME	MN1
A06-8	5.0
DLFPS-340/3548	5.0
GO-2628	5.0
NAI-A16-3	5.0
SHAMROCK	5.0
DLFPS-340/3438	4.7
LSD VALUE	2.2
C.V. (%)	20.7

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

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

TABLE 34.

MESOTRIONE DAMAGE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

MESOTRIONE DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ2
J-3510	9.0
MIDNIGHT	9.0
NAI-13-9	9.0
PPG-KB 1304	9.0
DLFPS-340/3553	8.7
LTP-11-41	8.7
NAI-13-132	8.7
PROSPERITY	8.7
BLUE DEVIL	8.3
J-1138	8.3
NAI-13-14	8.3
PPG-KB 1320	8.3
J-1319	8.0
AFTER MIDNIGHT	7.7
PST-11-7	7.7
A11-26	7.0
BARVETTE HGT®	7.0
AKB3179	6.7
DLFPS-340/3550	6.7
PPG-KB 1131	6.7
PST-K13-141	6.7
PIVOT	6.3
A10-280	6.0
A99-2897	6.0
BABE	6.0
BAR PP 79494	6.0
PST-K15-157	6.0
AKB3128	5.7
KENBLUE	5.7
SHAMROCK	5.7
A11-40	5.3
A16-7	5.3
DLFPS-340/3455	5.3
J-2726	5.3
PST-K11-118	5.3
PST-K15-177	5.3
AKB3241	5.0
DLFPS-340/3556	5.0
MVS-130	5.0
NAI-14-122	5.0
NAI-14-128	5.0

TABLE 34.
(CONT'D)

MESOTRIONE DAMAGE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

MESOTRIONE DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ2
NAI-14-132	5.0
NAI-14-176	5.0
NAI-14-187	5.0
NAI-15-84	5.0
NAI-A16-3	5.0
PST-K15-167	5.0
BARSERATI (BAR PP 110358)	4.7
DLFPS-340/3494	4.7
YELLOWSTONE (A12-7)	4.3
BAR PP 7K426	4.3
NAI-14-133	4.3
PST-K15-172	4.3
A16-1	4.0
A16-2	4.0
BLUE KNIGHT	4.0
DLFPS-340/3444	4.0
DLFPS-340/3548	4.0
GO-2628	4.0
KH3492	4.0
DLFPS-340/3364	3.7
DLFPS-340/3446	3.7
NAI-15-80	3.7
BAR PP 7236V	3.3
GO-2425	3.3
RAD 553	3.3
SKYE	3.3
A06-8	3.0
A15-6	3.0
BAR PP 79366	3.0
DLFPS-340/3438	3.0
DLFPS-340/3549	3.0
DLFPS-340/3551	3.0
DLFPS-340/3552	3.0
GO-22B23	3.0
NK-1	3.0
ORION (PST-K13-143)	3.0
A11-38	2.7
A12-34	2.7
A13-1	2.7
BAR PP 7309V	2.7
DLFPS-340/3500	2.7
BAR PP 71213	2.3

TABLE 34.
(CONT'D)

MESOTRIONE DAMAGE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2018 DATA

MESOTRIONE DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	NJ2
PST-K13-139	2.3
PST-T14-39	2.3
SELWAY	2.3
NAI-14-178	2.0
RAD-1776	2.0
A16-17	1.0
LSD VALUE	1.4
C.V. (%)	17.3

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.

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
AT RALEIGH, NC 1/
2018 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
AFTER MIDNIGHT	8.0	7.3	7.7
J-1138	8.0	7.0	7.5
BAR PP 79494	8.0	6.7	7.3
A10-280	8.0	6.0	7.0
BAR PP 7309V	8.0	6.0	7.0
SKYE	7.7	6.3	7.0
BAR PP 7236V	7.7	6.0	6.8
GO-2425	7.3	6.3	6.8
GO-2628	7.3	6.3	6.8
NAI-13-132	7.7	6.0	6.8
A15-6	8.0	5.3	6.7
GO-22B23	7.7	5.7	6.7
J-3510	8.0	5.3	6.7
MIDNIGHT	7.3	6.0	6.7
A16-17	7.7	5.3	6.5
PST-K11-118	8.0	5.0	6.5
PST-K13-141	7.3	5.7	6.5
A06-8	7.7	5.0	6.3
BARVETTE HGT®	6.0	6.7	6.3
DLFPS-340/3550	7.7	5.0	6.3
DLFPS-340/3552	8.0	4.7	6.3
J-1319	8.0	4.7	6.3
NK-1	7.7	5.0	6.3
PPG-KB 1131	7.3	5.0	6.2
PPG-KB 1304	8.0	4.3	6.2
BARSERATI (BAR PP 110358)	6.0	6.0	6.0
BLUE DEVIL	7.3	4.7	6.0
DLFPS-340/3553	7.3	4.7	6.0
NAI-13-9	7.0	5.0	6.0
A11-26	7.0	4.7	5.8
AKB3128	7.0	4.7	5.8
DLFPS-340/3548	7.7	4.0	5.8
PST-11-7	6.7	5.0	5.8
PST-K15-167	7.0	4.7	5.8
DLFPS-340/3551	7.0	4.3	5.7
PROSPERITY	7.7	3.7	5.7
PST-K15-172	6.3	5.0	5.7
A12-34	6.7	4.3	5.5
A16-7	7.0	4.0	5.5
DLFPS-340/3444	7.3	3.7	5.5
DLFPS-340/3500	7.3	3.7	5.5
KH3492	7.3	3.7	5.5

TABLE 35.
(CONT'D)

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
AT RALEIGH, NC 1/
2018 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
PST-K15-157	6.3	4.7	5.5
PST-K15-177	6.3	4.7	5.5
SELWAY	6.7	4.3	5.5
A13-1	6.0	4.7	5.3
BAR PP 71213	7.3	3.3	5.3
BAR PP 79366	6.0	4.7	5.3
J-2726	7.0	3.7	5.3
RAD 553	6.7	4.0	5.3
DLFPS-340/3455	6.0	4.3	5.2
DLFPS-340/3494	6.3	4.0	5.2
PST-T14-39	6.7	3.7	5.2
SHAMROCK	7.3	3.0	5.2
DLFPS-340/3556	6.0	4.0	5.0
NAI-13-14	6.0	4.0	5.0
PIVOT	6.0	4.0	5.0
BABE	6.0	3.7	4.8
NAI-15-84	6.3	3.3	4.8
A11-40	6.7	2.7	4.7
A99-2897	5.7	3.7	4.7
DLFPS-340/3549	6.0	3.3	4.7
LTP-11-41	6.7	2.7	4.7
ORION (PST-K13-143)	6.0	3.3	4.7
A11-38	6.7	2.3	4.5
DLFPS-340/3364	6.3	2.7	4.5
DLFPS-340/3446	6.0	3.0	4.5
NAI-14-178	6.0	3.0	4.5
NAI-A16-3	5.7	3.3	4.5
A16-2	5.7	3.0	4.3
DLFPS-340/3438	5.7	2.7	4.2
AKB3179	5.3	2.7	4.0
BAR PP 7K426	4.3	3.7	4.0
A16-1	5.3	2.3	3.8
AKB3241	4.3	3.0	3.7
MVS-130	5.0	2.3	3.7
YELLOWSTONE (A12-7)	4.7	2.3	3.5
NAI-14-176	4.7	2.3	3.5
NAI-14-122	4.0	2.7	3.3
NAI-14-132	4.0	2.7	3.3
NAI-14-187	4.7	2.0	3.3
NAI-15-80	4.7	2.0	3.3
NAI-14-128	4.0	2.3	3.2
PST-K13-139	3.3	3.0	3.2

TABLE 35.
(CONT'D)

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
AT RALEIGH, NC 1/
2018 DATA

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

NAME	AUGUST	SEPTEMBER	MEAN
RAD-1776	3.7	2.7	3.2
KENBLUE	4.0	2.0	3.0
NAI-14-133	4.0	2.0	3.0
PPG-KB 1320	3.3	2.0	2.7
BLUE KNIGHT	3.0	2.0	2.5
LSD VALUE	2.4	2.1	1.8
C.V. (%)	20.9	30.5	20.4

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 36. PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 AT RALEIGH, NC 2/
 2018 DATA

NAME	PERCENT ESTABLISHMENT		MEAN
	DECEMBER	FEBRUARY	
DLFPS-340/3444	71.7	76.7	74.2
SKYE	71.7	76.7	74.2
BAR PP 7236V	70.0	76.7	73.3
KENBLUE	71.7	73.3	72.5
RAD-1776	70.0	75.0	72.5
BAR PP 7309V	68.3	73.3	70.8
A16-1	65.0	75.0	70.0
BAR PP 7K426	66.7	71.7	69.2
DLFPS-340/3549	65.0	73.3	69.2
GO-2425	66.7	71.7	69.2
BARSERATI (BAR PP 110358)	63.3	70.0	66.7
DLFPS-340/3551	61.7	71.7	66.7
GO-2628	65.0	68.3	66.7
LTP-11-41	61.7	71.7	66.7
MIDNIGHT	61.7	71.7	66.7
A16-17	63.3	68.3	65.8
J-3510	63.3	68.3	65.8
PIVOT	63.3	68.3	65.8
PST-K13-139	61.7	70.0	65.8
SELWAY	63.3	68.3	65.8
BLUE DEVIL	61.7	68.3	65.0
DLFPS-340/3446	60.0	70.0	65.0
J-1138	61.7	68.3	65.0
GO-22B23	61.7	66.7	64.2
NAI-A16-3	61.7	66.7	64.2
PST-T14-39	60.0	68.3	64.2
A11-40	60.0	66.7	63.3
KH3492	63.3	63.3	63.3
BAR PP 79366	58.3	66.7	62.5
DLFPS-340/3455	58.3	66.7	62.5
DLFPS-340/3548	58.3	66.7	62.5
A10-280	53.3	70.0	61.7
BARVETTE HGT®	55.0	68.3	61.7
J-2726	56.7	66.7	61.7
NK-1	56.7	66.7	61.7
PST-K13-141	56.7	66.7	61.7
PST-K15-172	56.7	66.7	61.7
SHAMROCK	53.3	70.0	61.7
A11-38	58.3	63.3	60.8
A15-6	55.0	66.7	60.8
AKB3128	56.7	65.0	60.8
DLFPS-340/3552	55.0	66.7	60.8

TABLE 36. PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 (CONT'D) AT RALEIGH, NC 2/
 2018 DATA

NAME	PERCENT ESTABLISHMENT		MEAN
	DECEMBER	FEBRUARY	
PPG-KB 1320	55.0	66.7	60.8
DLFPS-340/3494	56.7	63.3	60.0
NAI-15-84	55.0	65.0	60.0
PPG-KB 1131	55.0	65.0	60.0
AKB3179	51.7	66.7	59.2
DLFPS-340/3556	55.0	63.3	59.2
J-1319	56.7	61.7	59.2
NAI-13-14	56.7	61.7	59.2
PST-K15-167	56.7	61.7	59.2
RAD 553	55.0	63.3	59.2
YELLOWSTONE (A12-7)	53.3	63.3	58.3
DLFPS-340/3550	55.0	60.0	57.5
NAI-14-187	51.7	63.3	57.5
ORION (PST-K13-143)	51.7	63.3	57.5
PST-K11-118	55.0	60.0	57.5
NAI-13-132	51.7	61.7	56.7
PPG-KB 1304	51.7	61.7	56.7
PROSPERITY	53.3	60.0	56.7
PST-11-7	53.3	60.0	56.7
BLUE KNIGHT	51.7	60.0	55.8
DLFPS-340/3438	51.7	60.0	55.8
DLFPS-340/3553	50.0	61.7	55.8
NAI-13-9	51.7	60.0	55.8
A11-26	51.7	58.3	55.0
A16-7	50.0	60.0	55.0
BAR PP 79494	50.0	60.0	55.0
MVS-130	51.7	58.3	55.0
NAI-14-176	50.0	60.0	55.0
A06-8	48.3	60.0	54.2
A13-1	50.0	58.3	54.2
A16-2	48.3	60.0	54.2
AFTER MIDNIGHT	51.7	56.7	54.2
AKB3241	50.0	58.3	54.2
BABE	50.0	58.3	54.2
BAR PP 71213	48.3	60.0	54.2
NAI-14-122	50.0	58.3	54.2
NAI-14-132	48.3	58.3	53.3
PST-K15-177	46.7	58.3	52.5
A99-2897	46.7	56.7	51.7
PST-K15-157	46.7	56.7	51.7
DLFPS-340/3500	45.0	56.7	50.8
NAI-14-128	46.7	55.0	50.8

TABLE 36. PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
 (CONT'D) AT RALEIGH, NC 2/
 2018 DATA

NAME	PERCENT ESTABLISHMENT		MEAN
	DECEMBER	FEBRUARY	
NAI-14-178	46.7	55.0	50.8
A12-34	46.7	53.3	50.0
NAI-14-133	45.0	55.0	50.0
DLFPS-340/3364	43.3	55.0	49.2
NAI-15-80	41.7	50.0	45.8
LSD VALUE	22.3	16.4	18.1
C.V. (%)	16.9	11.8	13.6

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 37.

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2018 DATA

NAME	PERCENT ESTABLISHMENT			MEAN
	2 WEEKS AFTER PLANTING	3 WEEKS AFTER PLANTING	4 WEEKS AFTER PLANTING	
A16-2	12.7	60.0	46.7	39.8
GO-22B23	8.3	56.7	48.3	37.8
MIDNIGHT	17.3	50.0	41.7	36.3
BAR PP 7236V	12.0	46.7	46.7	35.1
PPG-KB 1304	12.3	50.0	41.7	34.7
GO-2628	11.3	50.0	40.0	33.8
RAD-1776	15.3	46.7	36.7	32.9
BARSERATI (BAR PP 110358)	11.0	53.3	33.3	32.6
YELLOWSTONE (A12-7)	11.3	43.3	41.7	32.1
BAR PP 7K426	11.3	50.0	33.3	31.6
DLFPS-340/3438	8.0	50.0	36.7	31.6
A16-1	11.0	46.7	36.7	31.4
BABE	14.3	38.3	40.0	30.9
A15-6	10.0	50.0	31.7	30.6
DLFPS-340/3444	11.7	46.7	33.3	30.6
GO-2425	10.0	46.7	35.0	30.6
KH3492	10.7	33.3	46.7	30.2
NAI-A16-3	13.0	43.3	34.3	30.2
A11-26	11.7	46.7	30.0	29.4
DLFPS-340/3551	6.3	50.0	31.7	29.3
DLFPS-340/3552	9.3	40.0	38.3	29.2
J-3510	11.7	43.3	31.7	28.9
BAR PP 7309V	10.0	50.0	23.3	27.8
BARVETTE HGT®	14.0	40.0	28.3	27.4
RAD 553	9.0	43.3	30.0	27.4
DLFPS-340/3549	7.0	43.3	31.7	27.3
PPG-KB 1320	8.3	46.7	26.7	27.2
A16-7	7.7	46.7	26.7	27.0
SELWAY	8.7	33.3	38.3	26.8
KENBLUE	11.0	43.3	25.0	26.4
J-1138	14.0	46.7	18.3	26.3
SHAMROCK	12.7	36.7	29.3	26.2
J-1319	15.7	36.7	26.0	26.1
SKYE	6.7	43.3	28.3	26.1
LTP-11-41	11.3	36.7	30.0	26.0
PST-11-7	10.7	45.0	21.7	25.8
A11-38	6.3	46.7	23.3	25.4
A12-34	6.3	46.7	23.3	25.4
PST-K15-167	8.3	43.3	23.3	25.0
NAI-13-14	10.0	38.3	25.0	24.4
PST-T14-39	8.3	40.0	25.0	24.4

TABLE 37.
(CONT'D)

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2018 DATA

NAME	PERCENT ESTABLISHMENT			MEAN
	2 WEEKS AFTER PLANTING	3 WEEKS AFTER PLANTING	4 WEEKS AFTER PLANTING	
PPG-KB 1131	12.7	33.3	26.7	24.2
AFTER MIDNIGHT	12.0	43.3	16.7	24.0
DLFPS-340/3494	5.7	50.0	15.0	23.6
PST-K15-172	10.0	33.3	26.7	23.3
PST-K15-177	10.3	40.0	18.3	22.9
BAR PP 79494	6.3	36.7	25.0	22.7
NK-1	7.3	23.3	36.7	22.4
NAI-14-132	7.0	36.7	21.7	21.8
NAI-14-122	7.7	33.3	23.3	21.4
DLFPS-340/3455	9.0	40.0	15.0	21.3
A16-17	13.7	30.0	20.0	21.2
AKB3128	13.0	36.7	13.3	21.0
A11-40	16.7	33.3	12.7	20.9
BLUE DEVIL	7.7	36.7	18.3	20.9
DLFPS-340/3556	9.0	36.7	16.7	20.8
ORION (PST-K13-143)	7.3	36.7	18.3	20.8
NAI-13-132	14.7	28.3	18.3	20.4
PROSPERITY	9.0	28.3	23.3	20.2
PIVOT	7.0	30.0	23.3	20.1
PST-K11-118	5.7	41.7	12.0	19.8
MVS-130	9.3	33.3	15.0	19.2
NAI-14-133	9.0	26.7	21.7	19.1
DLFPS-340/3500	6.0	36.7	13.3	18.7
DLFPS-340/3553	6.0	33.3	16.7	18.7
NAI-15-80	8.7	25.0	21.7	18.4
A99-2897	8.3	33.3	13.3	18.3
BAR PP 79366	9.7	30.0	15.0	18.2
AKB3179	8.3	33.3	11.7	17.8
NAI-14-128	6.7	33.3	13.3	17.8
NAI-15-84	9.0	31.7	11.7	17.4
A10-280	8.7	30.0	13.3	17.3
BAR PP 71213	15.0	30.0	6.7	17.2
NAI-14-176	6.7	33.3	11.7	17.2
BLUE KNIGHT	8.0	33.3	10.0	17.1
DLFPS-340/3550	6.3	33.3	11.7	17.1
PST-K15-157	7.3	23.3	20.0	16.9
PST-K13-141	7.7	26.7	15.0	16.4
AKB3241	5.7	26.7	16.7	16.3
NAI-13-9	6.3	23.3	18.3	16.0
J-2726	7.7	28.3	11.7	15.9
A13-1	12.7	23.3	10.0	15.3

TABLE 37.
(CONT'D)

PERCENT ESTABLISHMENT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2018 DATA

NAME	PERCENT ESTABLISHMENT			MEAN
	2 WEEKS AFTER PLANTING	3 WEEKS AFTER PLANTING	4 WEEKS AFTER PLANTING	
DLFPS-340/3548	7.0	26.7	11.7	15.1
A06-8	7.3	25.0	11.0	14.4
PST-K13-139	5.7	25.0	10.0	13.6
NAI-14-178	6.3	18.3	11.7	12.1
DLFPS-340/3364	4.0	20.0	11.7	11.9
NAI-14-187	5.3	20.0	5.0	10.1
DLFPS-340/3446	4.3	16.7	8.3	9.8
LSD VALUE	19.0	51.0	42.7	27.8
C.V. (%)	52.4	40.0	65.9	41.4

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR KENTUCKY BLUEGRASS CULTIVARS */
 2018 DATA
 TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
A06-8	5.7	13.3	DLFPS-340/3553	5.5	13.3
A10-280	5.9	40.0	DLFPS-340/3556	5.7	20.0
A11-26	5.8	20.0	GO-22B23	6.1	73.3
A11-38	5.4	13.3	GO-2425	6.1	53.3
A11-40	5.7	20.0	GO-2628	6.2	73.3
A12-34	5.2	0.0	J-1138	6.1	60.0
YELLOWSTONE (A12-7)	5.8	13.3	J-1319	5.7	40.0
A13-1	5.7	26.7	J-2726	5.7	33.3
A15-6	5.5	6.7	J-3510	6.0	66.7
A16-1	5.4	0.0	KENBLUE	4.9	20.0
A16-17	5.9	40.0	KH3492	5.8	33.3
A16-2	5.7	13.3	LTP-11-41	5.9	26.7
A16-7	5.6	13.3	MIDNIGHT	5.9	40.0
A99-2897	5.6	13.3	MVS-130	5.4	13.3
AFTER MIDNIGHT	5.8	46.7	NAI-13-132	5.8	46.7
AKB3128	5.8	26.7	NAI-13-14	5.9	46.7
AKB3179	5.7	33.3	NAI-13-9	5.8	46.7
AKB3241	5.6	33.3	NAI-14-122	5.4	20.0
BABE	5.7	20.0	NAI-14-128	5.5	20.0
BAR PP 71213	5.6	26.7	NAI-14-132	5.5	13.3
BAR PP 7236V	5.9	40.0	NAI-14-133	5.5	20.0
BAR PP 7309V	5.8	33.3	NAI-14-176	5.6	33.3
BAR PP 79366	5.9	26.7	NAI-14-178	5.4	26.7
BAR PP 79494	5.8	33.3	NAI-14-187	5.3	6.7
BAR PP 7K426	5.7	20.0	NAI-15-80	5.2	6.7
BARSERATI (BAR PP 110358)	6.1	46.7	NAI-15-84	5.3	0.0
BARVETTE HGT®	6.2	60.0	NAI-A16-3	5.9	33.3
BLUE DEVIL	5.6	13.3	NK-1	5.4	0.0
BLUE KNIGHT	4.6	0.0	ORION (PST-K13-143)	5.5	13.3
DLFPS-340/3364	4.5	0.0	PIVOT	5.5	6.7
DLFPS-340/3438	5.5	6.7	PPG-KB 1131	5.6	20.0
DLFPS-340/3444	5.2	0.0	PPG-KB 1304	6.1	46.7
DLFPS-340/3446	5.4	13.3	PPG-KB 1320	5.3	0.0
DLFPS-340/3455	5.5	13.3	PROSPERITY	5.6	26.7
DLFPS-340/3494	5.9	33.3	PST-11-7	5.8	40.0
DLFPS-340/3500	5.7	20.0	PST-K11-118	5.9	33.3
DLFPS-340/3548	5.3	6.7	PST-K13-139	5.5	13.3
DLFPS-340/3549	5.5	20.0	PST-K13-141	5.6	13.3
DLFPS-340/3550	5.8	33.3	PST-K15-157	5.5	26.7
DLFPS-340/3551	5.6	33.3	PST-K15-167	5.4	0.0
DLFPS-340/3552	5.8	26.7	PST-K15-172	5.6	20.0

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR KENTUCKY BLUEGRASS CULTIVARS */
 (CONT'D) 2012-16 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PST-K15-177	5.5	6.7
PST-T14-39	5.6	13.3
RAD 553	5.5	20.0
RAD-1776	5.5	20.0
SELWAY	5.6	13.3
SHAMROCK	5.4	6.7
SKYE	5.9	53.3
LSD VALUE	0.2	
C.V. (%)	9.4	

*/ 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.